



Carbon dating cancer: defining the chronology of metastatic progression in colorectal cancer

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| Keywords: | <p>metastatic colorectal carcinoma, cancer evolution, synchronous metastases, phylogenetic tree, tumour age, whole genome sequencing</p> |
| Abstract: | <p>Background Patients often ask oncologists how long a cancer has been present before causing symptoms or spreading to other organs. The evolutionary trajectory of cancers can be defined using phylogenetic approaches but lack of chronological references makes dating the exact onset of tumours very challenging.</p> <p>Patients and Methods Here we describe the case of a colorectal cancer patient presenting with synchronous lung metastasis and metachronous thyroid, chest wall and urinary tract metastases over the course of five years. The chest wall metastasis was caused by needle tract seeding, implying a known time of onset.</p> <p>Using whole genome sequencing data from primary and metastatic sites we inferred the complete chronology of the cancer by exploiting the time of needle tract seeding as an in vivo 'stopwatch'. This approach allowed us to follow the progression of the disease back in time, dating each ancestral node of the phylogenetic tree in the past history of the tumour. We used a Bayesian phylogenomic approach, which accounts for possible dynamic changes in mutational rate, to reconstruct the phylogenetic tree and effectively "carbon date" the malignant progression.</p> <p>Results The primary colon cancer emerged between five and eight years prior to the clinical diagnosis. The primary tumour metastasised to the lung and the thyroid within a year from its onset. The thyroid lesion presented as a tumour-to-tumour deposit within a benign Hurthle adenoma. Despite rapid metastatic progression from the primary tumour, the patient showed an indolent disease course. Primary cancer and metastases were microsatellite stable and displayed low chromosomal instability. Neo-antigen analysis suggested minimal immunogenicity.</p> <p>Conclusion Our data provide the first in vivo experimental evidence documenting the timing of metastatic progression in colorectal cancer, and suggest that genomic instability might be more important than the metastatic potential of the primary cancer in dictating colorectal cancer fate.</p> |
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16 **Key message:**

17 Using whole genome sequencing of metastatic sites and primary colorectal cancer (CRC) in a patient
18 with an iatrogenic metastasis, we provide the first experimental evidence documenting the timing of
19 synchronous metastases in CRC. We show that genomic instability might be more important than the
20 metastatic potential of the primary cancer in dictating CRC progression.
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Abstract

Background

Patients often ask oncologists how long a cancer has been present before causing symptoms or spreading to other organs. The evolutionary trajectory of cancers can be defined using phylogenetic approaches but lack of chronological references makes dating the exact onset of tumours very challenging.

Patients and Methods

Here we describe the case of a colorectal cancer patient presenting with synchronous lung metastasis and metachronous thyroid, chest wall and urinary tract metastases over the course of five years. The chest wall metastasis was caused by needle tract seeding, implying a known time of onset.

Using whole genome sequencing data from primary and metastatic sites we inferred the complete chronology of the cancer by exploiting the time of needle tract seeding as an *in vivo* 'stopwatch'. This approach allowed us to follow the progression of the disease back in time, dating each ancestral node of the phylogenetic tree in the past history of the tumour. We used a Bayesian phylogenomic approach, which accounts for possible dynamic changes in mutational rate, to reconstruct the phylogenetic tree and effectively "carbon date" the malignant progression.

Results

The primary colon cancer emerged between five and eight years prior to the clinical diagnosis. The primary tumour metastasised to the lung and the thyroid within a year from its onset. The thyroid lesion presented as a tumour-to-tumour deposit within a benign Hurthle adenoma. Despite rapid metastatic progression from the primary tumour, the patient showed an indolent disease course. Primary cancer and metastases were microsatellite stable and displayed low chromosomal instability. Neo-antigen analysis suggested minimal immunogenicity.

Conclusion

Our data provide the first *in vivo* experimental evidence documenting the timing of metastatic progression in colorectal cancer and suggest that genomic instability might be more important than the metastatic potential of the primary cancer in dictating colorectal cancer fate.

Key words: metastatic colorectal carcinoma, cancer evolution, synchronous metastases, phylogenetic tree, tumour age, mutational analysis, whole genome sequencing.

Introduction

Colorectal cancer (CRC) is the second most common cancer in Europe and the USA [1]. Synchronous and metachronous metastases contribute to the high mortality of CRC [2] and, despite improvements in the management of metastatic CRC, 5-year mortality remains up to 50% [1, 3, 4] with a worse outcome for synchronous versus metachronous metastasis (5-year relative survival 7.2% versus 17.6%) [2]. Discussion around the optimal management of synchronous metastasis from CRC is still open but it is reasonable to hypothesize that the difference in outcome between synchronous and metachronous metastases may not be entirely attributable to clinical variables. International large-scale sequencing efforts will likely identify cancer pathways associated with the molecular makeup of synchronous and metachronous metastatic spread. Critical questions remain open: what is the chronological evolution of a synchronously presenting metastatic CRC? Can we tailor screening and follow-up strategies according to the expected pattern of metastatic progression?

Whole Genome Sequencing (WGS) of distinct metastases allows reconstruction of cancer evolutionary trees but the lack of defined temporal milestones limits the ability to infer the exact timing of cancer progression.

Needle tract seeding is a rare but well-documented phenomenon after diagnostic core needle biopsies and causes metastatic growth of the cancer along the needle tract [5]. Here we performed WGS of primary and multiple metastatic sites of a CRC patient who developed an iatrogenic metastasis due to needle tract seeding. Exploiting the mutational load of this metastasis along with the exact timing of its onset, we calculated the chronology of the primary CRC and metastatic sites.

METHODS

Ethical approval

Formalin fixed paraffin embedded (FFPE) material was acquired under the diagnostic samples/pathology archives surplus to clinical requirements protocol at NHS Ayrshire and Arran. The

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3 patient provided full written informed consent for the analyses as detailed, and for the case to be
4 published.
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7 **Next-Generation Sequencing, Phylogenetic Reconstruction and Neo-Antigen Load**

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9 Targeted Exome Sequencing was performed in all samples using the Comprehensive Cancer Panel
10 (ThermoFisher Scientific, Waltham, MA USA) which detects mutations in 409 cancer related genes.
11 WGS. Whole-genome sequencing was performed at 30x depth of coverage on all the samples with
12 the exception of the urinary tract metastasis, which was excluded from this analysis due to low tumour
13 content. Phylogenetic analysis and modelling of adjustment in mutational rate was performed using
14 Bayesian Markov Chain Monte Carlo (MCMC) simulations. For neo-antigen analysis, we considered
15 variants in the colon primary tumour, in the lung and thyroid metastases and in the Hurthle adenoma.
16 Somatic variants were called with the same Mutect2-Platypus protocol used for the Phylogenetic
17 analysis.
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24 **The full method list can be found online in the Supplementary Material**

25 **Results**

26 **Needle tract seeding as stopwatch to calibrate cancer evolution**

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28 In November 2008 a 68 year old Caucasian male underwent anterior resection for a pT3pN2(4/17)
29 EMVI negative, poorly differentiated adenocarcinoma of the sigmoid colon. Pre-operative staging
30 revealed a solitary left upper lobe lung lesion of uncertain significance, which was kept under active
31 radiological surveillance for nearly 3 years and remained stable (Fig. 1; Supplementary Table S1).
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40 Repeat imaging in July 2011 demonstrated an increase in size of the left upper lobe lung lesion in
41 addition to a new nodule in the left lobe of the thyroid. CT-guided lung biopsy (November 2011)
42 confirmed metastatic colorectal carcinoma with supportive immunohistochemical staining reaction:
43 positive for CK20, CDX2 and CEA but negative for TTF-1 (Fig. 1; Fig. 2A and 2B). The patient
44 proceeded to left upper video-assisted thoracoscopic lobectomy in January 2012. Left thyroid
45 lobectomy (August 2012) demonstrated a follicular Hurthle cell adenoma of the thyroid, within which
46 there was a single tumour-to-tumour deposit of metastatic colorectal cancer (Fig. 1; Fig. 2A and 2C).
47 The patient underwent periodic follow-up with tumour markers and imaging thereafter and remained
48 disease-free.
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In September 2013, 5 years from the initial diagnosis, FDG-PET-CT demonstrated a focal unresectable left posterior chest wall mass at the site of previous lung biopsy; histology confirmed metastatic adenocarcinoma from the sigmoid primary in keeping with seeding of malignant cells from the needle biopsy performed two years before. Radical chemo-radiotherapy to the left posterior chest wall mass was completed in February 2014 but repeat CT in May and August 2014 demonstrated residual disease at this site in addition to a new abnormality in the upper pole of the left kidney. Renal and left ureteric biopsy demonstrated metastatic colorectal cancer, with immunohistochemical staining positive for CDX2, CK20, CK7 and BerEP4 [(Fig. 1; Fig. 2A and 2D; Supplementary Fig. S1) a detailed description of the case can be found in the Supplementary Material]. Primary tumour and metastatic deposits showed similar histopathologic characteristics, resembling that of a traditional poorly-differentiated (G3) adenocarcinoma (Fig. 1; Fig. 2). No microsatellite instability (MSI)-like features (i.e. presence of mucinous and signet ring cells differentiation; medullary growth pattern; presence of tumour intraepithelial lymphocytes; Crohn's like lymphocytic reaction) were observed.

Genomic profiling

Targeted sequencing of 409 cancer related genes in both the primary CRC and all metastatic sites (lung, thyroid, chest wall and urinary tract) of our case revealed the presence of clonal non-sense mutations in *APC* (Gln1367*), as well as missense mutations in *CTNNB1* (Leu156Gln), *KRAS* (Gly12Asp) and *TP53* (Ser215Ile) (Fig. 2E; Supplementary Tables S2 and S3). The same mutations were not detected in the normal tissue or in the Hurthle adenoma (Fig. 2E). Two genes included in our panel showed discordance between primary and metastatic cancer: *ADAMTS20*, a metalloproteinase involved with cancer invasion and migration [6], and *AKAP9* an A-kinase anchor protein which binds to the regulatory subunit of protein kinase A [7]. The *ADAMTS20* missense mutation Arg1885Thr was observed in the primary cancer but was not detected in either the lung, thyroid or chest wall metastases. Conversely, the *AKAP9* missense mutation Ala3077Pro was found in all the metastatic sites but was not detected in the primary cancer. All these mutations were also found using WGS furthermore *ADAMTS20* and *AKAP9* were validated by Sanger Sequencing (Supplementary Fig. S2). All lesions were microsatellite stable (MSS) [8]. Copy number analysis based on WGS data revealed a relative low level of chromosomal instability, with LOH of chromosome (chr) 5, gain of chr7, and a focal amplification on chr13q12.2-12.3, encompassing the *VEGFR1* [9] and *CDX2* [10] genes (Fig. 2F; Supplementary Fig. S3 and Supplementary Table S4). These aberrations were clonal in all the CRC

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3 lesions, whereas the Hurthle adenoma showed a distinct profile characterised only by loss of chr2,
4 chr9 and chr22. Primary tumour and metastatic sites displayed the same dominant, age related,
5 mutational signature 1 which has previously observed in CRC as well as other cancer types [11]
6 ([Supplementary Fig. S4](#)).
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9 10 11 **Timing Progression**

12 Phylogenetic reconstruction from multiple samples of the same malignancy allows us to turn static
13 snapshots of cancer genomes into the tumour evolutionary history by exploiting genomic intra-tumour
14 heterogeneity (ITH) [12]. However, although phylogenetic trees inform on the relationship between
15 different samples, estimating the exact chronology of the events without a temporal reference remains
16 extremely challenging.
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21 In this exceptional case, the temporal reference is given by the date of seeding along the needle tract
22 that initiated the chest wall metastasis. This information allowed 'calibration' of the timing for the
23 whole tree and allowed us to reconstruct the progression of the disease back in time, dating each
24 ancestral node in the past history of the tumour.
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29 The phylogenetic tree was inferred using a Maximum Likelihood approach and timed using a
30 Bayesian phylogenomics framework, accounting for possible dynamic changes in mutational rate, to
31 effectively "carbon date" the malignant progression and reveal the complete chronology of the
32 different lesions in this patient ([Fig. 3A](#); see [Supplementary Table S5](#) for the list of mutations used to
33 infer the phylogeny). In the field of evolutionary biology, this type of approach is widely used to time
34 the onset of new species by exploiting temporal information from the fossil record [13].
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40 By considering the time of chest wall metastasis biopsy as time zero (September 2013) and the node
41 between the chest wall biopsy and the lung biopsy (needle-tract seeding event) as a reference, we
42 estimated that metastatic disease originated 9.26 years before, giving rise to the lung and thyroid
43 metastases in parallel. The primary cancer instead originated between 9.96 and 13.17 years before
44 ([Fig. 3A and 3B](#); [Supplementary Fig. S5](#)). Hence, the primary adenocarcinoma emerged between five
45 and eight years before clinical diagnosis (2000-2003). Despite the long latency between biological
46 onset of the primary cancer and clinical presentation, within just one year from its inception the
47 tumour began metastasising to the lung and to the thyroid where the metastasis grew within a Hurthle
48 adenoma. Phylogenetic analysis revealed that the lung and thyroid metastasis were more closely
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3 related to one another than to the primary tumour. A schematic representation of the timeline of
4 malignant progression is reported in [Fig. 3B](#).
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7 8 **Neo-antigen Load**

9 In order to test the contribution of anti-tumor immunity in regulating CRC evolution we applied the
10 pipeline described in [Supplementary Fig. S6](#) (see also supplementary methods) to the samples
11 subjected to multi-region WGS. The analysis resulted in a remarkably low number of predicted strong
12 human leukocyte antigen (HLA) binders [(Colon= 51; Thyroid Metastasis=5 and Lung Metastasis=7)
13 [Supplementary Table S6](#)].
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17 18 **Discussion**

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21 Several studies have applied mathematical modelling to calculate the time-lapse between the onset of
22 primary and metastatic spread [14, 15]. CRC modelling suggests that metastases can develop in less
23 than two years from the primary cancer [15]. However, these types of analysis remain difficult to
24 interpret and hard to generalise due to the lack of temporal references. Here we exploited the
25 occurrence of a needle tract metastasis to define the exact chronology of primary onset and
26 metastatic spread. Our observations suggest that this process might be faster than expected,
27 occurring within the initial twelve months from the primary onset. Similar patterns of early metastatic
28 divergence have been reported in other tumour types using an analogous phylogenomic approach,
29 where in the case of metachronous lesions, the time between primary and metastatic resection was
30 used as a reference [16].
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39 Despite rapid metastatic transformation, our patient showed an indolent course of disease. How can
40 we explain the discordance between the early metastatic dissemination and a relatively favourable
41 prognosis in a patient with synchronous metastasis? The pattern of disease progression we observed
42 is quite uncommon for a CRC patient but, in our opinion, does not account for the favourable
43 outcome. Solitary lung metastases are observed in 11% of colon cancer patients; surgical resection
44 can be curative in some cases but prognosis remains modest [17]. Thyroid and urinary tract
45 metastasis are uncommon and are usually associated with poor prognosis and multi-metastatic
46 disease. CRC metastases to a thyroid adenoma (tumour-to-tumour metastasis) are even less
47 frequent and have always been associated with poor outcome [18]. Although the resection of both
48 lung and the thyroid metastases might have contributed to the improved survival of our patient, the
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3 analysis of his molecular makeup suggests that a rather unusual pattern of low genomic instability
4 may have contributed to the indolent course of disease.
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8 In keeping with previous evidence from large-scale genomic studies [19], targeted sequencing
9 showed clonal mutations in genes accounting for the “breakthrough” and “expansion” phase of the
10 primary CRC [20] such as *APC*, *CTNNB1*, *KRAS* and *TP53*. As expected, all these mutations were
11 also detected in metastatic sites. In contrast, discrepancies between the primary and metastatic sites
12 were observed for *ADAMTS20* and *AKAP9*. In line with our observation, *ADAMTS20* mutations were
13 detected in a large series of primary CRC but not in their matching synchronous metastasis [6]
14 suggesting this mutation might promote invasion of the primary cancer but might not be critical for cell
15 fitness in metastatic sites. The anchor protein-coding gene *AKAP9* has also been investigated in CRC
16 and found to be up-regulated in CRC with nodal metastasis [21] suggesting a pro-metastatic role for
17 this gene. The molecular pathology of our patient appears common to many other sporadic CRCs.
18 Although the clonal or private mutations described above may have allowed our patient’s cancer cells
19 to metastasise and survive in different environments, this does not explain the slow pattern of
20 progression, suggesting the reason for our patient’s indolent disease may lie elsewhere.
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29 MSI and chromosomal instability (CIN) can be used to classify CRCs with different molecular and
30 prognostic features [22]. Interestingly our patient showed no MSI and relatively few and clonal
31 chromosomal aberrations, with a focal amplification in 13p12.2-12.3 encompassing the *VEGFR2* and
32 *CDX2* loci, genes previously found over-expressed in synchronous versus metachronous metastatic
33 CRC [23]. Different lines of evidence suggest that high CIN occurring at early stages of neoplastic
34 transformation might represent a hallmark of aggressive behaviour [24, 25] thus the lack of it might
35 explain the indolent course of disease observed in our patient.
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41 A final interesting point relates to the contribution of the tumour microenvironment to CRC evolution:
42 low neo-antigen burden has been associated with worse prognosis in early-stage lung cancer [26]. In
43 our case, the primary cancer displayed low number of neo-antigens and the lack of anti-tumour
44 immunity against the primary cancer might explain the early metastatic spread.
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49 Genomic instability [25] and tumour-stroma interactions [27] represent synergic drivers of cancer
50 progression. The genomic data suggest that in this patient these two hallmarks of cancer evolution
51 might have been uncoupled: while the lack of immune surveillance against the primary tumour might
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3 have promoted early cancer metastasis, the relative stability in genomic aberrations might account for
4 the slow rate of progression.
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10 11 12 13 14 15 **ACKNOWLEDGMENTS**

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Figure Legends

Figure 1. Overview of clinical, radiological and pathological progression of a CRC patient. The patient underwent anterior resection for a pT_{4p}N₂ sigmoid cancer in November 2008. A lung nodule of unknown significance at the time of diagnosis was kept under surveillance and was subsequently proven to be metastatic in nature (biopsy in November 2011) and was resected in January 2012. An FDG-avid thyroid nodule was resected in August 2012 and showed a Hurthle adenoma containing foci of metastatic CRC. Two years after the lung biopsy, a chest wall mass on the site of previous lung biopsy was histologically confirmed and treated with chemo-radiotherapy. Six months after treatment the chest wall metastasis showed disease progression and a new site of metastasis along the left ureter was histologically confirmed during the insertion of a urinary stent. The timeline shows the dates that metastatic sites became apparent on imaging. Haematoxylin and Eosin (H&E) staining as well as FDG-PET images of primary and metastatic sites are shown.

Figure 2. Histopathology and molecular profiling of the primary CRC and metastatic sites. (A) microscopy of the primary and metastatic sites including H&E staining, proliferation (nuclear Ki-67) and apoptosis (Caspase-3). (B) microscopy of the CRC lung metastasis that led to the needle tract seeding to the chest wall. Cells stained negative for TTF1 and positive for CDK20, CDX2 and CEA. (C) gross pathology and microscopy of the Hurthle adenoma containing a CRC metastasis. Macroscopic examination showed the Hurthle adenoma containing a haemorrhagic or cystic area. Different magnifications show the Hurthle adenomatous cells (background large eosinophilic cells) with an invasive front of CRC metastasis. The dotted line indicates the border between the normal thyroid and the Hurthle adenoma. The black rectangle indicates the area of invasive CRC within the adenoma. (D) shows microscopy of the urothelial metastasis. H&E and CDK20 staining confirmed the colonic origin of the metastasis. (E) Drivers of CRC detected by WGS and validated by targeted exome sequencing. (F) Copy number changes in primary and metastatic sites.

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3 **Figure 3. Chronology of the patient's CRC evolution. (A)** Whole-genome sequencing of multiple
4 lesions from the patient's malignancy allowed phylogenetic reconstruction of the tumour tree. In the
5 phylogenetic tree, dates within brackets indicate the time of clinical diagnosis whereas dates in bold
6 highlight the estimated times of the different lesions. **(B)** Illustrative cartoon of the patient disease
7 progression and samples taken. At time t_c the first colorectal cancer cell arose, giving rise to the
8 primary tumour. At time t_l the first metastatic clone emerged, giving rise to the lung metastasis,
9 quickly followed by a second metastasis to the thyroid emerging at time t_t . At time t_c^R the sample from
10 the primary tumour was collected (resection) and analysed. During the lung biopsy, the needle tract
11 seeding event spread cancer cells in the chest wall at time t_{cw} . A few weeks later, at time t_l^R the lung
12 metastasis was resected and profiled. Finally at time t_{cw}^R the chest wall metastasis was also sampled.
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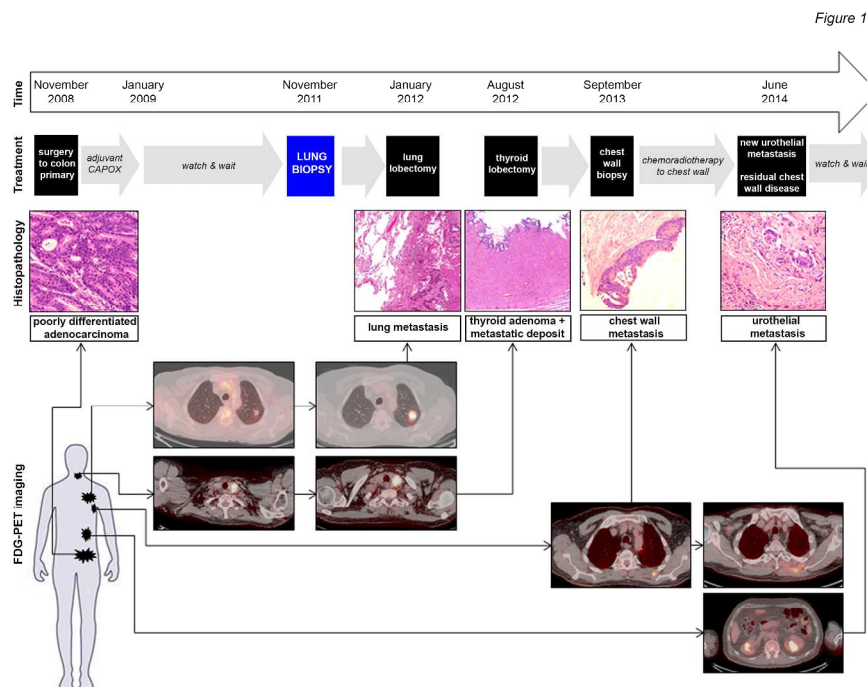


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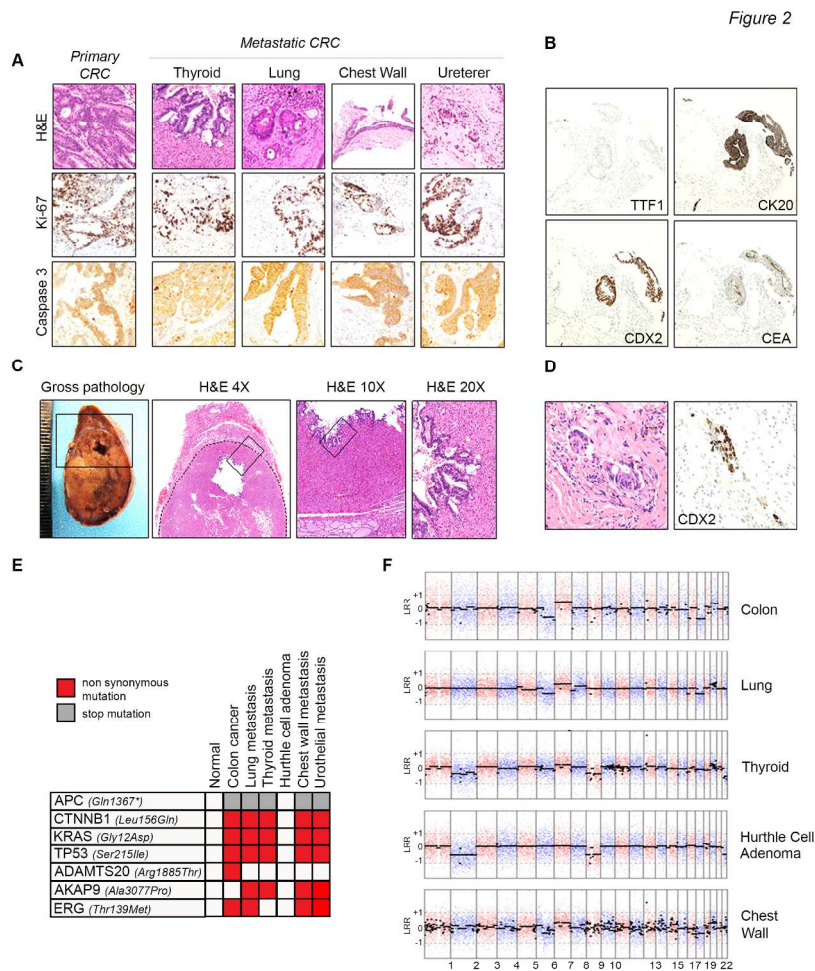


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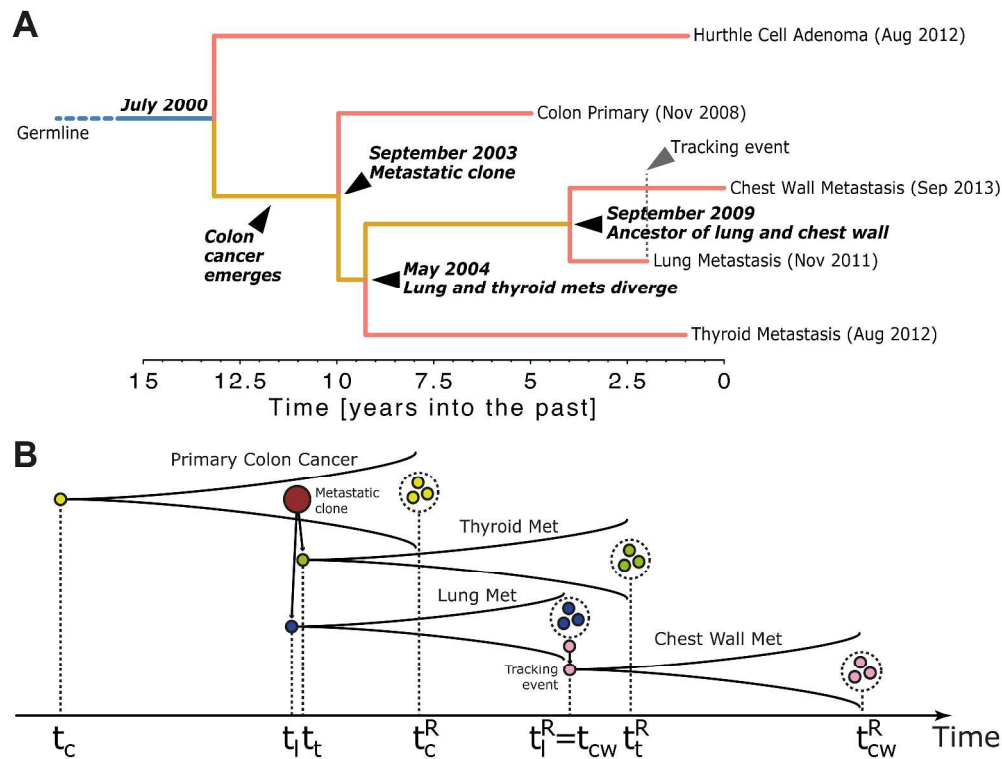


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At time t_c the first colorectal cancer cell arose, giving rise to the primary tumour. At time t_l the first metastatic clone emerged, giving rise to the lung metastasis, quickly followed by a second metastasis to the thyroid emerging at time t_t . At time t_c^R the sample from the primary tumour was collected (resection) and analysed. During the lung biopsy, the needle tract seeding event spread cancer cells in the chest wall at time t_{cw} . A few weeks later, at time t_l^R the lung metastasis was resected and profiled. Finally at time t_{cw}^R the chest wall metastasis was also sampled.

592x446mm (300 x 300 DPI)

Supplementary Material

Carbon dating cancer: defining the chronology of metastatic progression in colorectal cancer

Hazel Lote, Inma Spiteri, Luca Ermini, Alexandra Vatsiou, Aileen Roy, Alex McDonald, Noori Maka, Margaret Balsitis, Nabanita Bose, Michele Simbolo, Andrea Mafficini, Andrea Lampis, Jens C Hahne, Francesco Trevisani, Zakaria Eltahir, Giulia Mentrasti, Caroline Findlay, Eddie A J Kalkman, Marco Punta, Benjamin Werner, Stefano Lise, Athena Aktipis, Carlo Maley, Mel Greaves, Jeff White, Matteo Fassan, Aldo Scarpa, Andrea Sottoriva & Nicola Valeri

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Detailed description of the Case

In October 2008, a 68 year old Caucasian male presented with a 1 month history of altered bowel habit and abdominal pain. Colonoscopy confirmed invasive adenocarcinoma of the sigmoid colon and pre-operative staging demonstrated a solitary left upper lobe lung lesion of uncertain significance. The CRC multidisciplinary meeting decided to proceed with bowel resection and active surveillance of the lung nodule.

The patient underwent an anterior resection in November 2008: histopathology review showed a TNM6 stage pT3pN2(4/17) EMVI negative, poorly differentiated adenocarcinoma. Adjuvant Capecitabine and Oxaliplatin chemotherapy was started in November 2008 and discontinued due to intolerable toxicity in January 2009.

In July 2009, CT imaging demonstrated an increase in size of the left upper lobe lung lesion. FDG-PET-CT demonstrated increased FDG-avidity of the lung lesion. As the patient was asymptomatic and had previously experienced considerable toxicity on chemotherapy a watch-and-wait approach was taken (3-monthly clinical reviews with 6-monthly CT imaging). The patient remained clinically and radiologically stable with steady CEAs between 2009 and 2011.

Following nearly 3 years of clinical stability, CT imaging in July 2011 demonstrated an increase in the size of the left upper lobe lung lesion in addition to a new nodule in the left lobe of the thyroid. FDG-PET-CT showed increased FDG uptake in the left upper lobe lung lesion and thyroid lesion (September 2011). CT-guided lung biopsy (November 2011) confirmed metastatic colorectal carcinoma with supportive immunohistochemical staining reaction: positive for CK20, CDX2 and CEA but negative for TTF-1. The patient proceeded to a left upper video-assisted thoracoscopic lobectomy in January 2012. Fine-needle aspiration of the thyroid nodule was inconclusive but left thyroid lobectomy (August 2012) demonstrated a follicular Hurthle cell adenoma of the thyroid, within which there was a single deposit of metastatic colorectal cancer. The patient underwent periodic follow-up with tumour markers and imaging thereafter and remained disease-free.

In September 2013, 5 years from the initial diagnosis, FDG-PET-CT demonstrated a focal unresectable left posterior chest wall mass at the site of previous lung biopsy; histology confirmed the diagnosis of metastatic adenocarcinoma from the sigmoid primary in keeping with seeding of malignant cells from the needle biopsy performed two years before. Radical chemo-radiotherapy (50Gy in 25# + capecitabine) to the left posterior chest wall mass was completed in February 2014 but repeat CT in May and August 2014 demonstrated residual disease at this site in addition to a new abnormality in the upper pole of the left kidney. Renal and left ureteric biopsy demonstrated

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3 metastatic colorectal cancer, with immunohistochemical staining positive for CDX2, CK20, CK7 and
4 BerEP4. CEA had risen to 43.5 ng/ml.

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6 The patient declined chemotherapy and had been on watch and wait for 12 months between August
7 2014 and August 2015 when he was started on FOLFIRI chemotherapy due to disease progression.
8
9 Most recent imaging (October 2015) showed stable disease after 6 cycles.

10 11 12 **METHODS: MATERIALS**

13 14 15 **DNA extraction and sample preparation**

16 DNA from formalin fixed paraffin embedded (FFPE) tissue was prepared after enrichment for
17 neoplastic cellularity to at least 70% using manual microdissection of 10 consecutive 4- μ m FFPE
18 sections, purified using the QIAamp DNA FFPE Tissue Kit (Qiagen) Samples were sheared in a
19 Bioruptor (Diagenode) for a total of 3 minutes (pulses of 30second ON/30second OFF during 6
20 minutes). After sonication and prior to library preparation, the DNA was repaired using the NEBnext
21 FFPE DNA repair mix (New England Biolabs) following the manufacturer's recommendations.
22 Sheared DNA was purified with 3X AMPure beads and libraries were further prepared using the
23 NEBnext Ultra DNA library prep kit for Illumina (New England Biolabs) following the manufacturer's
24 protocol. Library fragments ranging from 250-500bp were size-selected using agarose gel
25 electrophoresis and sequenced on an Illumina HiSeq2500 sequencer.
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33 34 **Targeted Exome sequencing**

35 Comprehensive Cancer Panel sequencing was used to detect mutations profiling of 409 genes in all
36 samples. Details on target regions of the commercial panel are at <http://www.lifetechnologies.com>. 40
37 ng of DNA were used in each multiplex PCR amplification. The quality of the obtained libraries was
38 evaluated by the Agilent 2100 Bioanalyzer on-chip electrophoresis (Agilent Technologies). Emulsion
39 PCR was performed with the OneTouch2 system (Life Technologies). Sequencing was run on the Ion
40 Proton (Life Technologies) loaded with Ion PI Chip v2. Data analysis, including alignment to the hg19
41 human reference genome and variant calling, was done using the Torrent Suite Software v.4.2 (Life
42 Technologies). Filtered variants were annotated using the SnpEff software v.3.1. Alignments were
43 visually verified with the Integrative Genomics Viewer; IGV v.2.3, Broad Institute. We obtained high-
44 quality nucleotide sequences covering 7Gb. A mean coverage of 563x was achieved, with 84% target
45 bases covering more than 50x for all samples.
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Whole Genome Sequencing, SNV calling and Mutational Signatures

Whole-genome sequencing at 30x depth of coverage was performed on all the samples with the exception of the urinary tract metastasis, which was excluded from this analysis due to low tumour content. Residual adapter trimming was performed with Skewer and alignment with BWA v0.7.12. PCR duplicates were removed using Picard. To eliminate soft-clipping effects observed using mapDamage [1], we considered only reads that were properly paired mapped with a quality threshold ≥ 10 . SNVs were firstly called between pairs of tumour-normal with Mutect2 and the merged SNV calls across the five tumour samples were then used as a prior for joint-calling using Platypus [2]. Only SNVs with minimum coverage of 10 and identified by a minimum of 3 variants in at least one tumour sample were considered. Mean SNV coverage after filtering was 28.6x. Resulting variant allele frequencies were adjusted for histopathologically estimated purity. SNVs in noncoding regions with only *PASS* and *alleleBias* filter and VAF $\geq 30\%$ were used for phylogenetic reconstruction to avoid phylogenetic bias from potentially driver mutations. Hurthle adenoma mutations found in the thyroid lesion were excluded from the thyroid sample. MSIsensor [3] was used to test Microsatellite Instability (MSI). Copy number log-ratios were computed with CNVkit [4] and B-Allele-Frequencies were estimated with PureCN [5]. WGS data have been submitted to the European Nucleotide Archive EMBL-EBI under accession number PRJEB12626. Mutational signatures were derived using the deconstructSigs software [6].

Neo-antigen presentation analysis

The estimation of the number of neoantigens in the different tumour samples was performed according to the protocol outlined in Figure S6. Here we discuss each step in details.

Somatic and germline variant calls. For neoantigen analysis, we considered variants in the colon primary tumour, in the lung and thyroid metastases and in the Hurthle adenoma. Somatic variants were called with the same Mutect2-Platypus protocol described in the paragraph "Whole Genome Sequencing, SNV calling and Mutational Signatures". Note, however that while frameshift variants and in-frame indels (annotation according to VEP [6], see next paragraph) were retained if they had *PASS* or *alleleBias* in the Platypus output FILTER column, all other somatic variants we considered for neoantigen analysis were retained if they had *PASS*, *alleleBias*, *Q20*, *QD*, *SC* or *HapScore* in the Platypus output FILTER column. Germline variants were called with Platypus [2] (run against the

germline BAM file only, i.e. not with a germline-tumour joint call), requiring a minimum coverage of 10 and a minimum of 1 read carrying the variant allele. All germline variants had to have a *PASS* in the Platypus FILTER column and a Platypus genotype quality phred score of at least 10. Finally in all cases, be it germline or somatic, when multiple alleles were called at the same genomic position, only the most frequent allele was considered for subsequent analysis.

Annotation of variants. We run the annotation program VEP [6] on the Platypus-generated variants for each of the samples discussed above (including the germline). For neopeptide generation, we considered the following VEP categories (though not when occurring in combination with splice_acceptor_variant or splice_donor_variant): *missense_variant*, *inframe_insertion*, *inframe_deletion*, *frameshift_variant*, *stop_gained*, *stop_lost*, *start_lost*. Zygosity of germline variants was assigned according to Platypus genotype calls. **Because of the nature of the somatic variants we observed in our samples their zygosity was not relevant for the generation of neopeptides (see also next paragraph).**

Generation of putative neopeptides. We generated neopeptides of length 9 and 10 as follows: We extracted reference genome protein transcript sequences from the Homo_sapiens.GRCh37.75.pep.all.fa file, downloaded from the ENSEMBL website (http://ftp.ensembl.org/pub/release-75/fasta/homo_sapiens/pep/). For each tumour variant, we generated neopeptide sequences as follows: First, we extracted the canonical ENSEMBL transcript sequence(s) of the protein(s) on which the variant occurred (the canonical transcript(s) was (were) chosen according to what indicated by the VEP annotation). Next, we mutated the ENSEMBL transcript sequence(s) according to the variant observed (e.g. 582|R/C meant that we mutated from arginine to cysteine the amino acid at position 582). Finally, we generated the putative neopeptides by sliding a 9 (and, separately, a 10)-amino acid-long window along the mutated ENSEMBL sequence. Single amino acid missense mutations generate 9 (or 10) neopeptides except in cases where the mutation falls within 9 (or 10) amino acid positions of the start/end of the protein; in the same way mutations featuring multiple mutated amino acids typically produce $9 [(or\ 10)+(n-1)]$ neopeptides, where n is the number of mutated amino acids. We observed no case of somatic mutations falling within 10 amino acids of each other or within 10 amino acids of a heterozygous germline mutation (these cases would call for special attention if both close-by mutations were heterozygous; indeed, generating the correct peptides would require establishing whether or not the mutations are in phase). In one case, a somatic mutation fell within 10 amino acids of a homozygous germline mutation and

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3 thus we generated peptides including both the somatic and the germline mutation. In tumour samples,
4 almost all somatic variants that we called turned out to be missense mutations. The only exceptions
5 were 4 *stop_gained* variants. However, since all of these *stop gained* variants occurred in transcripts
6 devoid of any other somatic variant, they had no effect on the generation of neopeptides. Similarly,
7 although germline *frameshift*, *start gained*, *stop gained* and *stop lost* variants can also affect
8 neopeptide generation, none of the ones we observed fell within transcripts featuring somatic
9 variants.
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15 *Generation of germline peptides and removal from final list.* In order to produce our final list of
16 predicted neopeptides, we needed to verify that the peptides we had generated from the somatic
17 variants did not occur elsewhere in the germline protein transcript sequences. To this end, we
18 considered all ENSEMBL transcripts (i.e. canonical or otherwise) and modified the original transcripts
19 according to the germline missense mutations, homozygous frameshift and homozygous stop gained
20 mutations they carried. In the case of homozygous stop gained mutations (13 occurrences),
21 transcripts were truncated at the position of the gained stop. In the same way, transcripts carrying
22 homozygous frameshift mutations (70) were truncated at the position of the earliest (if more than one
23 was present) frameshift mutation. Note that we did not generate any germline peptides for the
24 frameshifted continuation of these transcripts. We further simplified the generation of germline
25 peptides by ignoring the effects of heterozygous *stop-gained* (31) and frameshift mutations (60),
26 *stop_lost* (9), *start_lost* mutations (10) and cases of *frameshift_variants* that were additionally
27 annotated as *splice_acceptor_variant* (4) or *splice_donor_variant* (3). We also observed 75 pairs of
28 heterozygous variants falling within 10 positions of each other and treated all such pairs as if the
29 mutations were not in phase (i.e. we did not generate native peptides featuring both mutations). While
30 all the above cases would require special consideration in order to extract the correct native peptides,
31 we reasoned that ignoring these few special cases would likely have a small impact on neo-peptide
32 filtering.
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44 Next, for all ENSEMBL transcripts, we slid a 9 (and 10)-amino acid-long window along the modified
45 (or the original, if no mutation was found) transcript sequence, from its start to its end (in fact, the end
46 minus 8 or 9 amino acid positions). We took into consideration the zygosity of the variants, with
47 heterozygous mutations generating two sets of native peptides (one set featuring the variant and one
48 set not featuring it) and homozygous mutations generating only the set of peptides featuring the
49 variant. If any of the so-generated peptides was part of the list of previously derived putative
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3 neopeptides we removed them from the list. The final lists of neopeptides comprised 910, 284, 114
4 and 0 neopeptides for the colon primary tumor, the thyroid and lung metastases and the Hurthle
5 adenoma, respectively (the Hurthle adenoma had no protein-modifying variant according to our
6 variant calling protocol).
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10 *Prediction of HLA types.* We predicted the HLA type of the patient by running the program polysolver
11 (version 1.0d) [7] on the germline BAM file (we set polysolver parameters to: -race = Caucasian, -
12 includeFreq = 1, -insertCalc = 0). Predicted 4-digit HLA types were as follows (2 alleles each for
13 genes HLA-A, HLA-B and HLA-C): hla_a_31_01, hla_a_02_01; hla_b_07_02; hla_b_44_02;
14 hla_c_07_02, hla_c_05_01. Four-digit HLA type predictions were consistent across all samples (both
15 germline and tumor).
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21 *Generation of predicted strong and weak HLA binders.* For predicting strong and weak HLA binders,
22 we used the program NetMHC (version 4.0) [8]. We ran NetMHC (default parameters) on the
23 predicted neopeptide lists. For each list (one list per tumour sample) we run NetMHC a total of 6
24 times, that is, one for each of the 6 polysolver-predicted HLA types. NetMHC defines strong binders
25 as those having %rank<0.5, while weak binders are those with %rank<2 (see
26 <http://www.cbs.dtu.dk/services/NetMHC/output.php>). Results for each tumour sample are shown in
27 Table S6. In column 3 and 4, we report the number of unique weak and strong binders. Unique
28 means that if a peptide was predicted as a binder, strong or weak, for multiple HLA types only the
29 lowest rank was taken into consideration. So, for example, if a peptide was predicted as a weak
30 binder for one HLA type and as a strong binder for another HLA type, it was counted only among the
31 strong binders. For comparison, the number of non-unique strong binders in the colon primary
32 tumour, in the thyroid metastasis and in the lung metastasis was 52, 6 and 7, respectively. In column
33 5, we additionally report the number of unique neopeptides for which NetMHC predicted an HLA
34 affinity <500nM, as this criterion is also widely used in the field. Note that in the absence of protein
35 expression data, we report the whole set of predicted unique neopeptides independent on whether
36 the protein from which they originated might be expressed or not.
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47 **Phylogenetic analysis and modelling of adjustment in mutational rate**

48 SNVs were merged into a super-matrix containing six taxa (colon primary, chest wall metastasis, lung
49 metastasis, thyroid metastasis, Hurthle cell adenoma and buffy coat) and a total of 16,475 genome
50 positions.
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3 The matrix was employed for Maximum Likelihood (ML) searches using GTRGAMMA model in
4 RAxML v8.2.8 [7]. The best ML tree was inferred from 100 random starting trees, and all parameters
5 were estimated. Node support was assessed both with 1000 nonparametric bootstrap replicates and
6 the SH-like procedures [8]. The tree of topology was further assessed using the Extended
7 Likelihood Weights (ELW) test [9]. The best ELW tree topology (ELW score of -86988.866141)
8 matches the topology of the best ML tree inferred. In order to infer the temporal evolution of the
9 tumours and to further explore the tree topology, Bayesian Markov Chain Monte Carlo (MCMC)
10 simulations were performed using BEAST 1.8.0. The same supermatrix employed in the previous ML
11 analysis was used as input for the simulations. MCMC chains of 1000 million states were run using a
12 GTR + G (4 gamma categories) evolutionary model, and an exponential growth model as tree prior
13 [10-14]. Time 0 was set to the date of the most recently collected specimen (Chest Wall biopsy in
14 September 2013). An uncorrelated log-normal relaxed clock model was applied and the clock rate
15 was estimated by Beast 1.8 following an exponential distribution with mean of 3.0×10^{-8}
16 substitutions/per site/per cell division/per month. The age of the node chest wall metastasis - lung
17 metastasis (biopsy) known from clinical data was used as tree calibration node. This node age, was
18 not used as a fixed time point (2011) but was estimated in a time range in order to incorporate pre-
19 2011 evolutionary events. The node age was estimated following a normal distribution with mean of
20 36.0 months from time 0 (central 95% probability range of 24.2-47.8 months from time 0). This node
21 based on the inferred ML tree and clinical data was kept monophyletic during the MCMC runs.
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33 MCMC runs were analysed with TRACER 1.6 (<http://beast.bio.ed.ac.uk/Tracer>) indicating
34 convergence and adequate mixing of the Markov chains. The Bayesian phylogenetic tree was
35 obtained using the maximum clade credibility topology criterion with TreeAnnotator 1.8.2, after
36 removing the first 10% trees as burn-in. The tree topology was drawn using Figtree 1.4.2
37 (<http://tree.bio.ed.ac.uk/software/figtree/>).
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43 Estimating evolutionary timescales from genetic data is a complex procedure that typically involves
44 the use of the molecular clock technique, which allows estimation of lineage divergence time from a
45 common ancestor using mutation rate and genetic data [15]. The simplest molecular clock approach
46 assumes a constant mutation rate throughout the whole tree but an overwhelming evidence of rate
47 variation among phylogenetic lineages has challenged this approach [16]. A relaxed molecular clock
48 approach incorporating the assumption of rate homogeneity and accommodating rate variation from
49 lineage to lineage is therefore more suitable [15]. Here we used MCMC simulations for performing
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3 phylogenetics inference under a relaxed clock model which has the benefit of being able to co-
4 estimate tree topology and divergence times and to allow mutation rate to change from lineage to
5 lineage [17]. This dual inference is meaningful as mutation rates can directly impact on branch length
6 estimation, which in turn can affect the inferred tree topology. This approach is widely used in
7 phylogenetics studies but a limitation is that it yields estimates of relative rather than absolute ages
8 and thus the molecular clock must be calibrated against independent evidence, similar to techniques
9 used in fossil records.
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15 In order to obtain *absolute* time calibrated phylogenetic trees we allowed Beast 1.8 to estimate the
16 time of the internal-Chest Wall Met - Lung Met phylogenetic node rather than the clinical node record,
17 since these calculations appropriately incorporate both calibration uncertainties and hidden past
18 splitting events [17]. The presence of time stamped samples at the tips of the tree were therefore
19 employed to aid calibration inference [18]. The use of both node and tip timestamps for tree
20 calibrations yield more precise and accurate evolutionary timescales than either calibration strategy
21 can achieve alone [19]. The time stamps at the tips refer to the clinical data, when each specimen
22 was sampled. The time stamp at the node refers to the clinical needle seeding. "Tips and nodes are
23 complementary not competing approaches to the calibration of molecular clocks. All of these forms of
24 calibration information were incorporated into the MCMC implementation as appropriate.
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SUPPLEMENTARY TABLES

| Table S1. Carcinoembryonic Antigen (CEA) measurements (ng/ml) | |
|---|-------------|
| DATE | CEA (ng/ml) |
| 28/10/08 | 1.4 |
| 11/11/08 | 1.1 |
| 1/12/08 | 2.6 |
| 22/12/08 | 3.6 |
| 12/01/09 | 4.9 |
| 02/02/09 | 4.6 |
| 16/02/09 | 3.9 |
| 23/3/09 | 2.1 |
| 31/03/09 | 1.3 |
| 11/05/09 | 1.8 |
| 06/07/09 | 1.9 |
| 28/09/09 | 2.2 |
| 06/11/09 | 2.5 |
| 05/01/10 | 3.2 |
| 07/04/10 | 2.3 |
| 24/05/10 | 1.9 |
| 21/09/10 | 2.4 |
| 26/11/10 | 3.3 |
| 19/01/11 | 4.5 |
| 27/04/11 | 4.9 |
| 05/08/11 | 6.2 |
| 13/09/11 | 6.3 |
| 02/02/12 | 1.7 |
| 03/05/12 | 2.1 |
| 06/06/12 | 2.6 |
| 18/09/12 | 2.4 |
| 19/12/12 | 2.5 |
| 19/03/13 | 3.6 |
| 29/04/14 | 30.1 |
| 20/05/14 | 30.1 |
| 17/06/14 | 41.3 |
| 25/11/14 | 43.5 |

Table S2. Mapped Reads, Depth and Coverage of targeted NGS in primary CRC, metastatic deposits and normal tissues

| Sample Name | Mapped Reads | On Target | Mean Depth | Covered >50x | Uniformity |
|---------------|--------------|-----------|------------|--------------|------------|
| Normal Colon | 9,015,031 | 82.1% | 630.2 | 87% | 68.6% |
| Colon Primary | 5,667,218 | 91.4% | 528.0 | 81% | 61.8% |
| Lung Met | 8,356,524 | 97.1% | 450.6 | 76% | 63.0% |
| Hurtle Adeno | 12,209,268 | 95.8% | 624.2 | 88% | 80.8% |
| Thyroid Met | 8,532,183 | 96.7% | 454.1 | 87% | 75.3% |
| Chest Wall | 11,167,770 | 97.1% | 619.9 | 88% | 81.4% |
| Urothelial | 11,567,450 | 96.6% | 631.4 | 83% | 80.4% |

Table S3. Aminoacid changes and Variant Allele Frequency (VAF) in clonal and private mutations detected by targeted NGS

| | Colon Primary | VAF (%) | Lung Met | VAF (%) | Thyroid Met | VAF (%) | Chest Wall | VAF (%) | Urothelial Met | VAF (%) |
|-----------------|---------------|---------|------------|---------|-------------|---------|------------|---------|----------------|---------|
| <i>ADAMTS20</i> | Arg1885Thr | 24 | | | | | | | | |
| <i>AKAP9</i> | | | Ala3077Pro | 16 | Ala3077Pro | 13 | Ala3077Pro | 16 | | |
| <i>APC</i> | Gln1367* | 44 | Gln1367* | 31 | Gln1367* | 19 | Gln1367* | 21 | Gln1367* | 5 |
| <i>CTNNB1</i> | Leu156Gln | 36 | Leu156Gln | 23 | Leu156Gln | 11 | Leu156Gln | 6 | Leu156Gln | 4 |
| <i>KRAS</i> | Gly12Asp | 40 | Gly12Asp | 15 | Gly12Asp | 12 | Gly12Asp | 17 | Gly12Asp | 3 |
| <i>TP53</i> | Ser215Ile | 56 | Ser215Ile | 22 | Ser215Ile | 14 | Ser215Ile | 24 | Ser215Ile | 4 |

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| Table S4. List of genes amplified in 13q12.2 in the case report |
|---|
| PDX1 |
| URAD |
| FLT3 |
| PAN3 |
| FLT1 (VEGFR1) |
| POMP |
| SLC46A3 |
| MTUS2 |
| SLC7A1 |
| UBL3 |
| KATNAL1 |
| HMGB1 |
| USPL1 |
| ALOX5AP |
| CDX2 |

Table S6. Predicted strong and weak (unique) HLA binders

| Sample | # of variants | # of weak binders | # of strong binders | # with affinity <500nM |
|-----------------|---------------|-------------------|---------------------|------------------------|
| Colon (primary) | 51 | 109 | 51 | 104 |
| Thyroid | 17 | 37 | 5 | 21 |
| Lung | 7 | 15 | 7 | 14 |
| Hurtle adenoma | 0 | 0 | 0 | 0 |

SUPPLEMENTARY FIGURES

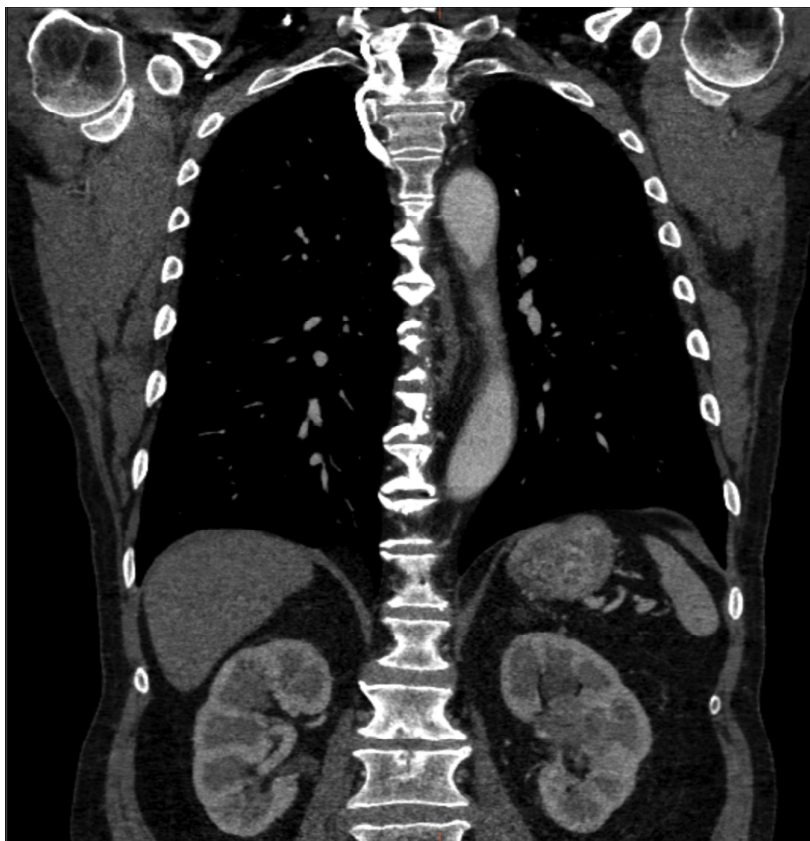


Figure S1. CT image of urinary tract metastasis. Coronal image from May 2014 demonstrating left urinary tract metastasis. This was present on repeat CT in August 2014 and biopsy confirmed that this represented metastatic colorectal adenocarcinoma.

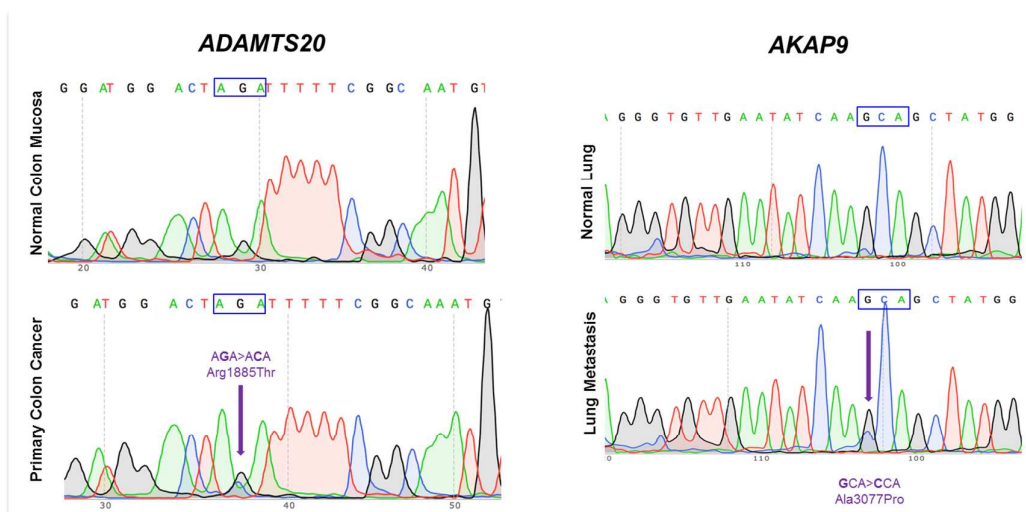


Figure S2. Sanger Sequencing validation of ADAMTS20 and AKAP9 mutations. Normal colon mucosa and lung parenchyma were used as controls. Purple arrows indicate mutations.

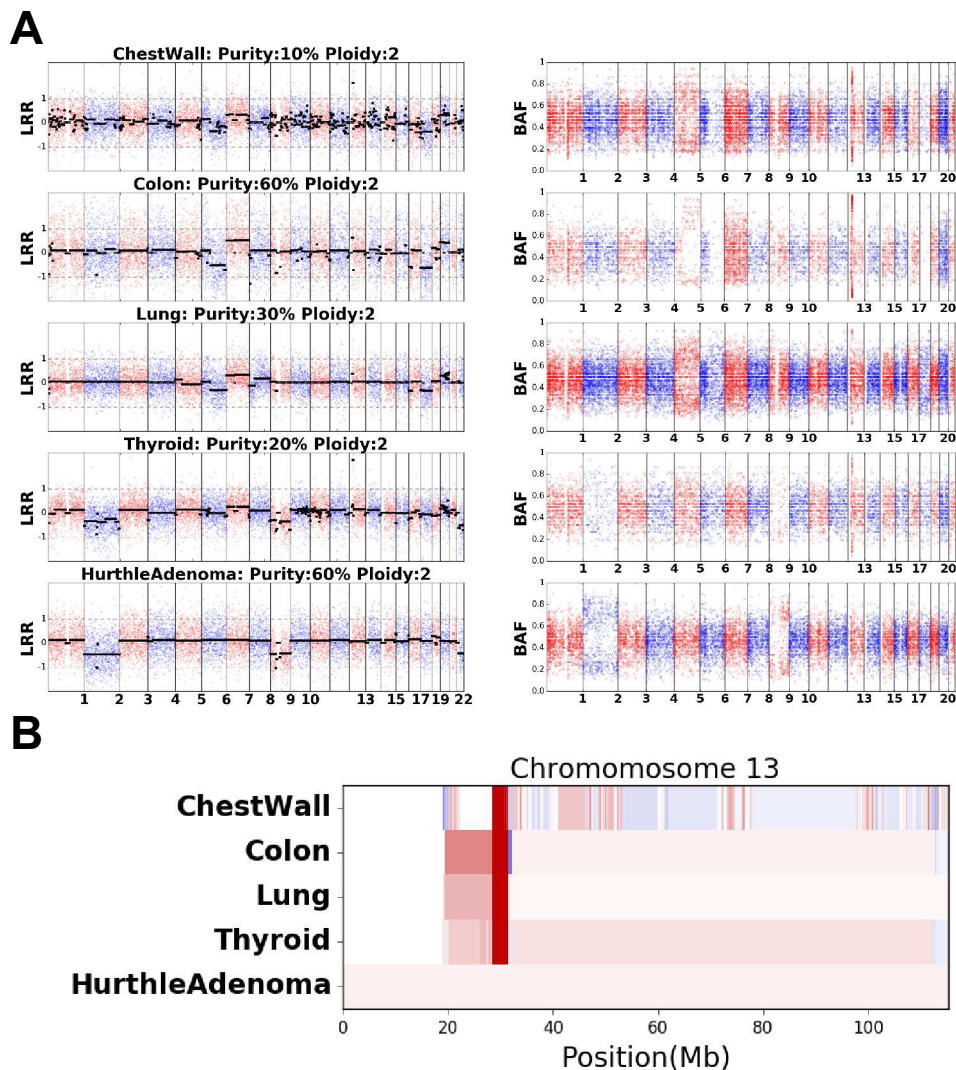


Figure S3. Copy number profiles.

(A) Whole-genome sequencing was used to reconstruct the copy number status of all the samples. Relatively few copy number alterations were found, the most notable being LOH of chr5 (APC) and a focal amplification in chromosome 13q12.2-12.3, involving VEGFR. Copy number profiles were clonal and identified in all CRC samples but not in the Hurthle adenoma, which was characterised only by a distinct profile with loss of chr2, chr9 and chr22. Unsurprisingly, the thyroid lesion sample was contaminated with Hurthle adenoma cells, thus displaying the adenoma copy number profile as sub-clonal in the sample. (B) Zoom in on the focal amplification on chromosome 13, encompassing VEGFR1 and CDX2.

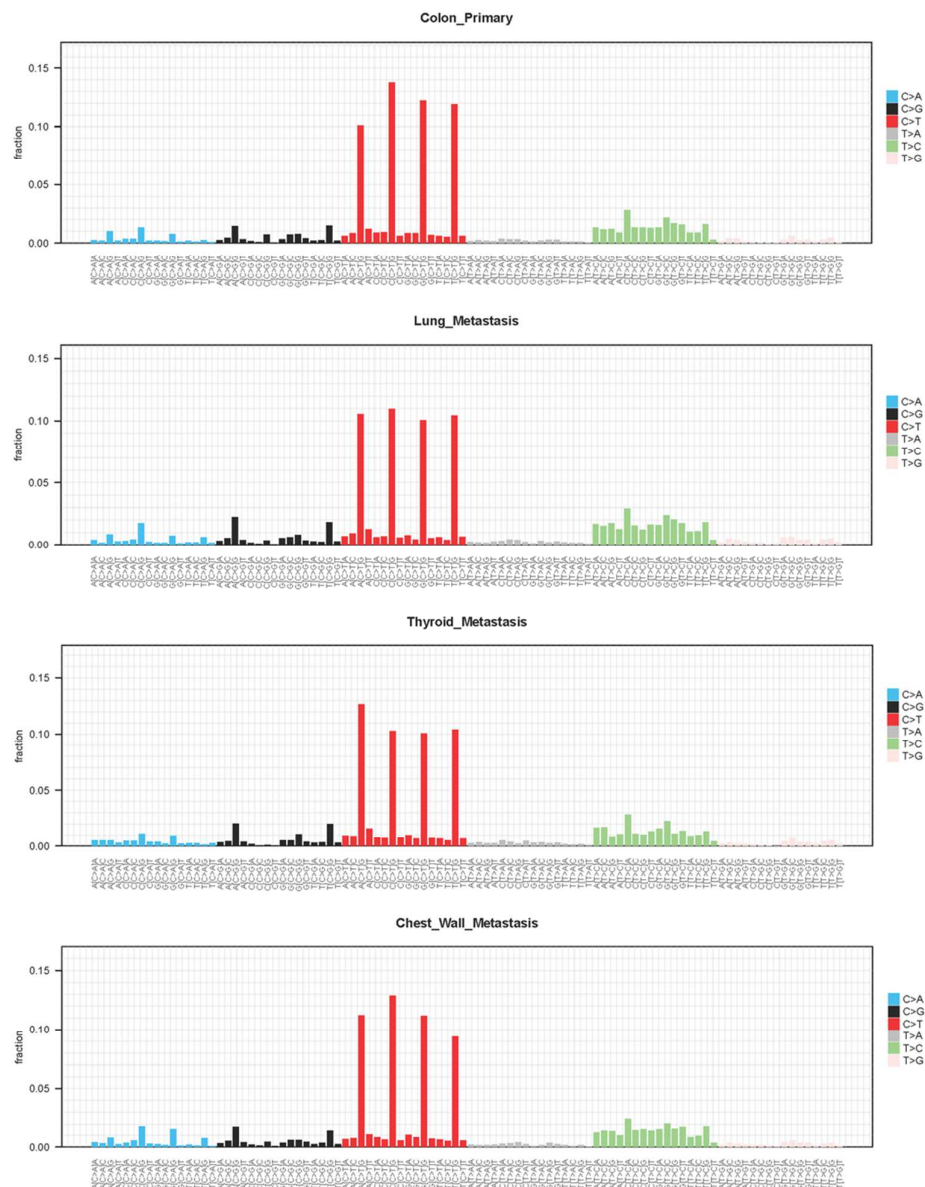


Figure S4. Mutational Signatures in primary CRC and metastases. Primary Colon Cancer showed Signature.1A : 0.769 & Signature.6 : 0.132 & Signature.R3 : 0.069; Lung Metastasis showed Signature.1A : 0.775 & Signature.21 : 0.06 & Signature.R3 : 0.128; Thyroid Metastasis showed; Signature.1A : 0.868 & Signature.R3 : 0.094; Chest Wall Metastasis showed Signature.1A : 0.767 & Signature.6 : 0.111 & Signature.R3 : 0.084

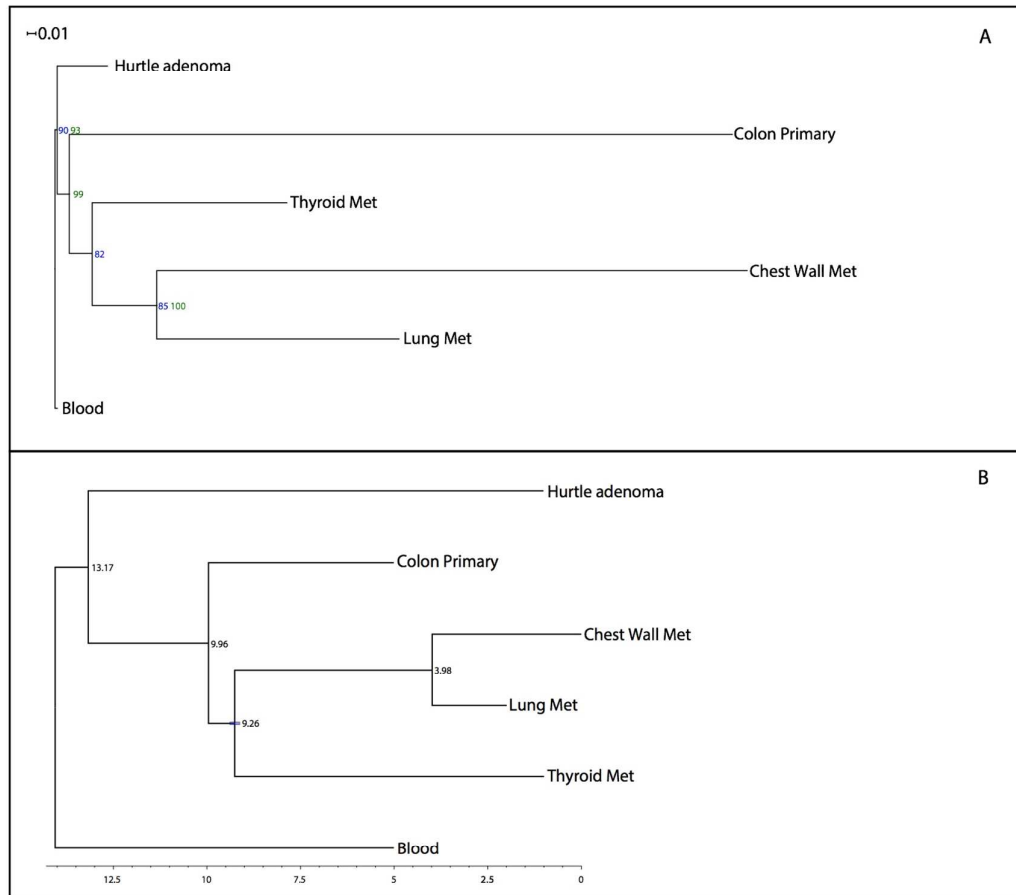


Figure S5. Phylogenomics approach.

(A) RAXML estimation. Reconstruction of tumour phylogeny using Maximum Likelihood (see Methods). Numbers in the nodes represent bootstrap values (blue) or SH-like values (green)

(B) Beast divergence dating. Maximum clade credibility tree and calculation of the timeline of progression using a Bayesian approach that leverages on the date of the tracking event. Numbers on the nodes represent months back in time from September 2013. The violet shaded box represents 95% confidence intervals for the estimates.

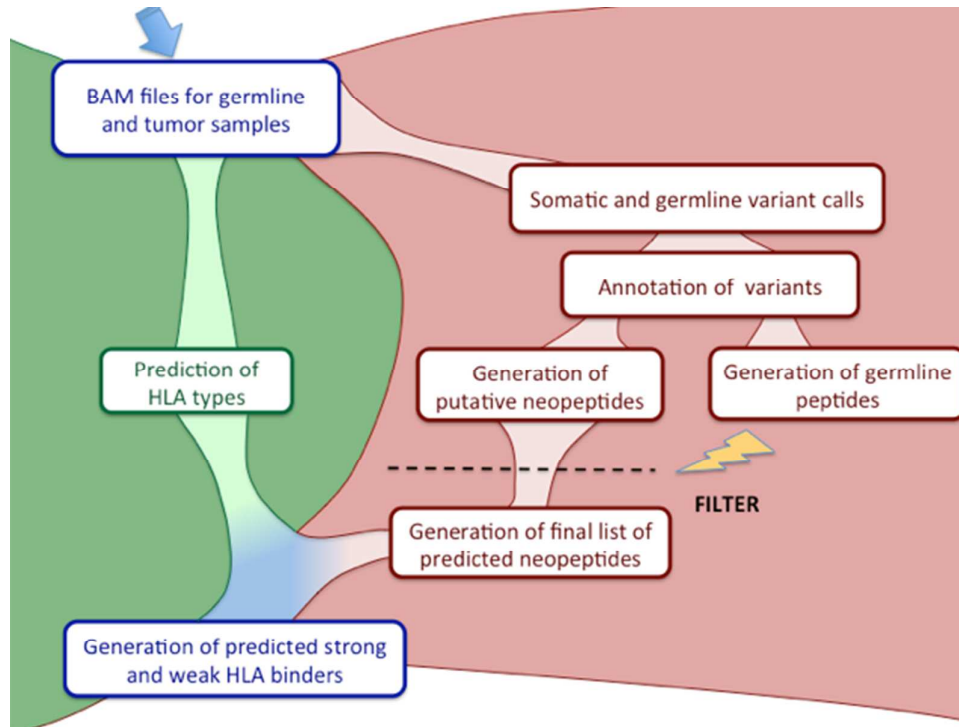


Figure S6. Outline of the protocol used for the prediction of neoantigens.

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| Chr | Pos | Ref>Alt | AF_Blood | AF_Colon Primary | AF_Hurthle Adenoma | AF_Lung Met |
|-----|---------|---------|----------|---------------------|-----------------------|----------------|
| 1 | 1168357 | C>A | 0 | 0 | 0 | 0 |
| 1 | 1197507 | A>G | 0 | 0.611666667 | 0 | 0 |
| 1 | 1197516 | C>T | 0 | 0 | 0 | 0 |
| 1 | 1485255 | G>A | 0 | 0 | 0 | 0.4166667 |
| 1 | 1700847 | G>A | 0 | 0 | 0 | 0.35 |
| 1 | 1742775 | A>C | 0 | 0.391666667 | 0 | 0 |
| 1 | 1754432 | C>A | 0 | 0.616666667 | 0 | 0 |
| 1 | 1754509 | A>G | 0 | 0 | 0 | 0.6266667 |
| 1 | 1769237 | G>C | 0 | 0 | 0 | 0.37 |
| 1 | 1771333 | T>C | 0 | 0 | 0 | 0.6066667 |
| 1 | 1805666 | C>T | 0 | 0.435 | 0 | 0 |
| 1 | 2063452 | G>A | 0 | 0.4 | 0 | 0 |
| 1 | 2081349 | G>A | 0 | 0.445 | 0 | 0 |
| 1 | 2238807 | T>C | 0 | 0 | 0 | 0 |
| 1 | 6002352 | A>G | 0 | 0.438333333 | 0 | 0 |
| 1 | 6255044 | G>A | 0 | 0 | 0 | 0.5333333 |
| 1 | 6400884 | C>T | 0 | 0 | 0 | 0 |
| 1 | 6583391 | A>G | 0 | 0.666666667 | 0 | 0 |
| 1 | 6583440 | A>G | 0 | 0 | 0 | 0.3033333 |
| 1 | 6644240 | C>T | 0 | 0.606666667 | 0 | 0 |
| 1 | 6905971 | A>G | 0 | 0.666666667 | 0 | 0 |
| 1 | 7122112 | G>A | 0 | 0.588333333 | 0 | 0 |
| 1 | 7302771 | A>G | 0 | 0.333333333 | 0 | 0 |
| 1 | 7303957 | C>A | 0 | 0 | 0 | 0 |
| 1 | 7472182 | G>T | 0 | 0 | 0 | 0.6266667 |
| 1 | 7750127 | A>G | 0 | 0 | 0 | 0.3033333 |
| 1 | 7900947 | C>T | 0 | 0 | 0 | 0.6466667 |
| 1 | 7910198 | A>T | 0 | 0 | 0 | 0.6466667 |
| 1 | 7999128 | A>C | 0 | 0.483333333 | 0 | 0.7066667 |
| 1 | 8395560 | G>T | 0 | 0 | 0 | 0 |
| 1 | 8428279 | T>C | 0 | 0.4 | 0.333333333 | 0.3266667 |
| 1 | 8500026 | G>C | 0 | 0 | 0 | 0 |
| 1 | 8511369 | A>G | 0 | 0.351666667 | 0 | 0.3233333 |
| 1 | 8535251 | C>T | 0 | 0.488333333 | 0 | 0 |
| 1 | 8625509 | G>T | 0 | 0.666666667 | 0 | 0 |
| 1 | 8628327 | C>T | 0 | 0.455 | 0 | 0 |
| 1 | 9068924 | G>A | 0 | 0.455 | 0 | 0 |
| 1 | 9081278 | T>A | 0 | 0.583333333 | 0 | 0.35 |
| 1 | 9635502 | G>A | 0 | 0 | 0.313333333 | 0 |
| 1 | 9772079 | C>T | 0 | 0.416666667 | 0 | 0 |
| 1 | 9772424 | C>T | 0 | 0 | 0 | 0.4766667 |
| 1 | 9773297 | A>G | 0 | 0.385 | 0 | 0 |
| 1 | 9870639 | G>C | 0 | 0 | 0 | 0.3433333 |
| 1 | 9874426 | C>T | 0 | 0.625 | 0 | 0 |
| 1 | 9937041 | C>T | 0 | 0 | 0 | 0 |
| 1 | 9943176 | G>A | 0 | 0.666666667 | 0 | 0 |
| 1 | 9960202 | T>C | 0 | 0 | 0 | 0.43 |

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|----|---|----------|-----|---|-------------|-------|-----------|
| 1 | 1 | 9960222 | A>G | 0 | 0 | 0 | 0.4766667 |
| 2 | 1 | 10029677 | T>C | 0 | 0 | 0 | 0.5566667 |
| 3 | 1 | 10063983 | C>T | 0 | 0.701666667 | 0 | 0 |
| 4 | 1 | 10064895 | T>A | 0 | 0 | 0 | 0.4766667 |
| 5 | 1 | 10071934 | A>G | 0 | 0 | 0 | 0.43 |
| 6 | 1 | 10146923 | A>T | 0 | 0.715 | 0 | 0 |
| 7 | 1 | 10154009 | C>T | 0 | 0.345 | 0 | 0 |
| 8 | 1 | 10184014 | T>G | 0 | 0 | 0 | 0.4 |
| 9 | 1 | 10190184 | C>T | 0 | 0 | 0 | 0.6666667 |
| 10 | 1 | 10211091 | G>C | 0 | 0.391666667 | 0 | 0 |
| 11 | 1 | 10290675 | A>G | 0 | 0 | 0 | 0 |
| 12 | 1 | 10329498 | A>G | 0 | 0 | 0 | 0.3466667 |
| 13 | 1 | 10344666 | T>C | 0 | 0.476666667 | 0 | 0 |
| 14 | 1 | 10354858 | A>G | 0 | 0 | 0 | 0.3833333 |
| 15 | 1 | 10426769 | G>A | 0 | 0 | 0 | 0.5 |
| 16 | 1 | 10426782 | C>G | 0 | 0.346666667 | 0 | 0.4333333 |
| 17 | 1 | 10526515 | A>G | 0 | 0 | 0 | 0 |
| 18 | 1 | 10560216 | G>T | 0 | 0.416666667 | 0 | 0.3233333 |
| 19 | 1 | 10668561 | G>A | 0 | 0 | 0 | 0 |
| 20 | 1 | 10680725 | A>G | 0 | 0 | 0 | 0 |
| 21 | 1 | 11020632 | G>A | 0 | 0 | 0 | 0 |
| 22 | 1 | 11020697 | C>T | 0 | 0 | 0 | 0 |
| 23 | 1 | 11028096 | G>A | 0 | 0 | 0.46 | 0 |
| 24 | 1 | 11032884 | C>T | 0 | 0.416666667 | 0 | 0 |
| 25 | 1 | 11074783 | A>G | 0 | 0 | 0 | 0.57 |
| 26 | 1 | 11302251 | C>T | 0 | 0 | 0.455 | 0 |
| 27 | 1 | 11303481 | G>A | 0 | 0.49 | 0 | 0 |
| 28 | 1 | 11785209 | C>T | 0 | 0.555 | 0 | 0 |
| 29 | 1 | 12021949 | C>A | 0 | 0.323333333 | 0 | 0 |
| 30 | 1 | 12058408 | G>T | 0 | 0.316666667 | 0 | 0 |
| 31 | 1 | 12143680 | G>T | 0 | 0 | 0 | 0 |
| 32 | 1 | 12314708 | A>G | 0 | 0.588333333 | 0 | 0 |
| 33 | 1 | 12390891 | G>C | 0 | 0 | 0 | 0.4766667 |
| 34 | 1 | 12411538 | A>G | 0 | 0.356666667 | 0 | 0 |
| 35 | 1 | 12482151 | A>G | 0 | 0.785 | 0 | 0 |
| 36 | 1 | 12493645 | A>G | 0 | 0 | 0 | 0 |
| 37 | 1 | 12553342 | G>C | 0 | 0 | 0 | 0.43 |
| 38 | 1 | 12720857 | A>G | 0 | 0 | 0 | 0 |
| 39 | 1 | 13830014 | A>G | 0 | 0.526666667 | 0 | 0 |
| 40 | 1 | 14112535 | G>A | 0 | 0.316666667 | 0 | 0 |
| 41 | 1 | 14149081 | A>G | 0 | 0 | 0 | 0 |
| 42 | 1 | 15054169 | T>C | 0 | 0.346666667 | 0 | 0 |
| 43 | 1 | 15080909 | C>A | 0 | 0.576666667 | 0 | 0.52 |
| 44 | 1 | 15140984 | G>A | 0 | 0 | 0 | 0.4166667 |
| 45 | 1 | 15281235 | A>G | 0 | 0.303333333 | 0 | 0 |
| 46 | 1 | 15424239 | A>G | 0 | 0.416666667 | 0 | 0 |
| 47 | 1 | 15614140 | G>A | 0 | 0.666666667 | 0 | 0 |
| 48 | 1 | 15709555 | A>G | 0 | 0 | 0 | 0 |
| 49 | 1 | 15844900 | A>T | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 1 | 15845914 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1 | 15854665 | C>T | 0 | 0 | 0 | 0.50666667 |
| 3 | 1 | 15862188 | T>G | 0 | 0.3033333333 | 0 | 0 |
| 4 | 1 | 15864630 | A>G | 0 | 0 | 0.3333333333 | 0 |
| 5 | 1 | 16214271 | G>C | 0 | 0.4166666667 | 0 | 0.5 |
| 6 | 1 | 16233732 | A>T | 0 | 0.6666666667 | 0 | 0 |
| 7 | 1 | 16253361 | C>G | 0 | 0 | 0 | 0 |
| 8 | 1 | 16274996 | A>C | 0 | 0 | 0 | 0 |
| 9 | 1 | 16561347 | C>G | 0 | 0.4766666667 | 0 | 0 |
| 10 | 1 | 16591770 | A>G | 0 | 0.5 | 0 | 0 |
| 11 | 1 | 16621947 | A>G | 0 | 0 | 0 | 0 |
| 12 | 1 | 16640667 | G>A | 0 | 0 | 0 | 0 |
| 13 | 1 | 16654385 | T>A | 0 | 0.435 | 0 | 0 |
| 14 | 1 | 16708946 | A>G | 0 | 0 | 0 | 0.42666667 |
| 15 | 1 | 16721292 | T>A | 0 | 0.4166666667 | 0 | 0 |
| 16 | 1 | 16734492 | C>G | 0 | 0.6066666667 | 0 | 0 |
| 17 | 1 | 17317658 | T>C | 0 | 0 | 0 | 0 |
| 18 | 1 | 17336142 | A>G | 0 | 0 | 0 | 0.4 |
| 19 | 1 | 17402971 | C>G | 0 | 0.3333333333 | 0 | 0 |
| 20 | 1 | 17757591 | C>G | 0 | 0 | 0 | 0.30333333 |
| 21 | 1 | 17988645 | G>A | 0 | 0.555 | 0 | 0 |
| 22 | 1 | 18508941 | A>G | 0 | 0 | 0.3566666667 | 0.34 |
| 23 | 1 | 18627872 | C>T | 0 | 0.3133333333 | 0 | 0 |
| 24 | 1 | 19273170 | T>C | 0 | 0.3616666667 | 0 | 0.51333333 |
| 25 | 1 | 19280198 | G>A | 0 | 0 | 0 | 0 |
| 26 | 1 | 19458307 | T>C | 0 | 0 | 0 | 0.68333333 |
| 27 | 1 | 19554438 | A>G | 0 | 0 | 0 | 0.38333333 |
| 28 | 1 | 19584476 | G>A | 0 | 0 | 0 | 0 |
| 29 | 1 | 19680424 | C>T | 0 | 0 | 0 | 0 |
| 30 | 1 | 19730568 | T>A | 0 | 0.625 | 0 | 0 |
| 31 | 1 | 19749113 | T>C | 0 | 0.5883333333 | 0 | 0.38 |
| 32 | 1 | 20023831 | G>A | 0 | 0 | 0 | 0.49666667 |
| 33 | 1 | 20213857 | A>G | 0 | 0.555 | 0 | 0 |
| 34 | 1 | 20406857 | T>C | 0 | 0.555 | 0 | 0 |
| 35 | 1 | 20626158 | G>A | 0 | 0 | 0 | 0.38333333 |
| 36 | 1 | 20827623 | A>C | 0 | 0 | 0 | 0 |
| 37 | 1 | 21041095 | A>G | 0 | 0 | 0 | 0 |
| 38 | 1 | 21154758 | T>C | 0 | 0.3766666667 | 0 | 0 |
| 39 | 1 | 21200556 | A>G | 0 | 0.3616666667 | 0 | 0 |
| 40 | 1 | 21343287 | T>C | 0 | 0 | 0 | 0.55666667 |
| 41 | 1 | 21550063 | A>G | 0 | 0 | 0 | 0.66666667 |
| 42 | 1 | 21550158 | T>C | 0 | 0 | 0 | 0 |
| 43 | 1 | 21963191 | C>T | 0 | 0.625 | 0 | 0 |
| 44 | 1 | 22026088 | G>C | 0 | 0 | 0 | 0 |
| 45 | 1 | 22034830 | C>A | 0 | 0.46 | 0 | 0 |
| 46 | 1 | 22047122 | T>G | 0 | 0.4866666667 | 0 | 0.38666667 |
| 47 | 1 | 22144562 | A>G | 0 | 0 | 0 | 0.64666667 |
| 48 | 1 | 22153127 | G>T | 0 | 0.3333333333 | 0 | 0 |
| 49 | 1 | 22171549 | A>G | 0 | 0.5266666667 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 22386711 | A>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 1 | 22807085 | T>C | 0 | 0.466666667 | 0 | 0.37 |
| 3 | 1 | 23039559 | G>A | 0 | 0 | 0 | 0 |
| 4 | 1 | 23043010 | G>A | 0 | 0 | 0 | 0.35 |
| 5 | 1 | 23053087 | A>G | 0 | 0 | 0 | 0.68333333 |
| 6 | 1 | 23053167 | A>G | 0 | 0.435 | 0 | 0 |
| 7 | 1 | 23067548 | C>T | 0 | 0.666666667 | 0 | 0 |
| 8 | 1 | 23194176 | A>C | 0 | 0 | 0 | 0.4166667 |
| 9 | 1 | 23416530 | T>C | 0 | 0 | 0 | 0.5566667 |
| 10 | 1 | 23463187 | A>G | 0 | 0 | 0 | 0.82 |
| 11 | 1 | 23655040 | C>T | 0 | 0.53 | 0 | 0 |
| 12 | 1 | 23801296 | A>G | 0 | 0.641666667 | 0 | 0 |
| 13 | 1 | 23854376 | T>C | 0 | 0.416666667 | 0 | 0 |
| 14 | 1 | 24110067 | G>A | 0 | 0 | 0 | 0.51333333 |
| 15 | 1 | 24186823 | T>C | 0 | 0.463333333 | 0 | 0 |
| 16 | 1 | 24224126 | G>A | 0 | 0 | 0 | 0 |
| 17 | 1 | 24254562 | G>C | 0 | 0.455 | 0 | 0.30333333 |
| 18 | 1 | 24403526 | A>G | 0 | 0.351666667 | 0 | 0 |
| 19 | 1 | 24403527 | A>G | 0 | 0.351666667 | 0 | 0 |
| 20 | 1 | 24788995 | G>A | 0 | 0 | 0 | 0 |
| 21 | 1 | 24925498 | T>C | 0 | 0.391666667 | 0 | 0 |
| 22 | 1 | 25074371 | G>C | 0 | 0.351666667 | 0 | 0 |
| 23 | 1 | 25089843 | T>C | 0 | 0 | 0 | 0 |
| 24 | 1 | 25279623 | T>C | 0 | 0.648333333 | 0 | 0 |
| 25 | 1 | 25668080 | A>G | 0 | 0.463333333 | 0 | 0 |
| 26 | 1 | 25673383 | T>C | 0 | 0 | 0 | 0 |
| 27 | 1 | 25781161 | C>T | 0 | 0 | 0 | 0 |
| 28 | 1 | 25787533 | A>T | 0 | 0.385 | 0 | 0 |
| 29 | 1 | 25801698 | A>T | 0 | 0.416666667 | 0 | 0 |
| 30 | 1 | 25814817 | G>A | 0 | 0 | 0.313333333 | 0 |
| 31 | 1 | 25976290 | G>A | 0 | 0 | 0 | 0 |
| 32 | 1 | 26006631 | A>G | 0 | 0 | 0 | 0.7566667 |
| 33 | 1 | 26213357 | A>G | 0 | 0.416666667 | 0 | 0.44333333 |
| 34 | 1 | 26293341 | C>T | 0 | 0.351666667 | 0 | 0 |
| 35 | 1 | 26379226 | A>G | 0 | 0.785 | 0 | 0 |
| 36 | 1 | 26566050 | T>C | 0 | 0.641666667 | 0 | 0 |
| 37 | 1 | 26613388 | T>C | 0 | 0.313333333 | 0 | 0 |
| 38 | 1 | 26624270 | C>T | 0 | 0 | 0 | 0 |
| 39 | 1 | 26656276 | A>G | 0 | 0 | 0 | 0 |
| 40 | 1 | 26659799 | A>G | 0 | 0.391666667 | 0 | 0 |
| 41 | 1 | 26750158 | T>C | 0 | 0 | 0 | 0 |
| 42 | 1 | 26761675 | T>G | 0 | 0 | 0 | 0.6266667 |
| 43 | 1 | 26762439 | A>C | 0 | 0.77 | 0 | 0.3966667 |
| 44 | 1 | 26895076 | T>C | 0 | 0.455 | 0 | 0.6666667 |
| 45 | 1 | 27280923 | T>C | 0 | 0.435 | 0 | 0 |
| 46 | 1 | 27323514 | C>T | 0 | 0.476666667 | 0 | 0 |
| 47 | 1 | 27332928 | C>T | 0 | 0 | 0 | 0 |
| 48 | 1 | 27430810 | C>T | 0 | 0 | 0.441666667 | 0 |
| 49 | 1 | 27432035 | C>G | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 27604558 | C>T | 0 | 0 | 0 | 0.3933333 |
| 2 | 1 | 27606183 | C>G | 0 | 0.476666667 | 0 | 0 |
| 3 | 1 | 27650247 | C>G | 0 | 0 | 0 | 0.37 |
| 4 | 1 | 27744958 | A>G | 0 | 0 | 0 | 0 |
| 5 | 1 | 27758933 | G>A | 0 | 0.323333333 | 0 | 0 |
| 6 | 1 | 27801413 | T>A | 0 | 0.391666667 | 0 | 0 |
| 7 | 1 | 27862802 | A>C | 0 | 0 | 0 | 0 |
| 8 | 1 | 27868037 | C>G | 0 | 0.416666667 | 0 | 0 |
| 9 | 1 | 27878698 | G>A | 0 | 0 | 0 | 0 |
| 10 | 1 | 27879628 | C>A | 0 | 0 | 0 | 0 |
| 11 | 1 | 27879648 | C>T | 0 | 0 | 0 | 0 |
| 12 | 1 | 27891594 | G>A | 0 | 0 | 0 | 0 |
| 13 | 1 | 27894002 | T>C | 0 | 0 | 0 | 0 |
| 14 | 1 | 27894028 | C>T | 0 | 0 | 0 | 0 |
| 15 | 1 | 27894062 | C>T | 0 | 0 | 0 | 0 |
| 16 | 1 | 27924475 | C>T | 0 | 0 | 0 | 0 |
| 17 | 1 | 28106938 | T>C | 0 | 0 | 0 | 0.5966667 |
| 18 | 1 | 28146917 | G>A | 0 | 0 | 0 | 1 |
| 19 | 1 | 28148262 | C>T | 0 | 0.4 | 0 | 0 |
| 20 | 1 | 28165928 | T>A | 0 | 0.313333333 | 0 | 0.58 |
| 21 | 1 | 28207414 | T>G | 0 | 0 | 0.37 | 0 |
| 22 | 1 | 28328520 | A>G | 0 | 0.346666667 | 0 | 0 |
| 23 | 1 | 28391972 | C>T | 0 | 0 | 0 | 0 |
| 24 | 1 | 28395883 | C>G | 0 | 0.641666667 | 0 | 0 |
| 25 | 1 | 28550904 | A>G | 0 | 0 | 0 | 0 |
| 26 | 1 | 28801253 | A>C | 0 | 0.416666667 | 0 | 0.49 |
| 27 | 1 | 28888360 | G>A | 0 | 0.396666667 | 0 | 0 |
| 28 | 1 | 28938701 | A>C | 0 | 0.303333333 | 0 | 0 |
| 29 | 1 | 29014744 | A>G | 0 | 0.376666667 | 0 | 0 |
| 30 | 1 | 29024583 | C>T | 0 | 0.385 | 0 | 0 |
| 31 | 1 | 29041197 | A>G | 0 | 0 | 0 | 0 |
| 32 | 1 | 29087986 | T>C | 0 | 0 | 0 | 0.49 |
| 33 | 1 | 29088777 | A>G | 0 | 0 | 0 | 0.3333333 |
| 34 | 1 | 29267125 | T>C | 0 | 0.513333333 | 0 | 0 |
| 35 | 1 | 29285901 | C>G | 0 | 0 | 0 | 0.38 |
| 36 | 1 | 29297484 | T>C | 0 | 0 | 0 | 0 |
| 37 | 1 | 29303440 | G>C | 0 | 0.356666667 | 0 | 0.7033333 |
| 38 | 1 | 29327680 | G>A | 0 | 0 | 0.333333333 | 0 |
| 39 | 1 | 29337390 | C>T | 0 | 0.361666667 | 0 | 0 |
| 40 | 1 | 29337706 | A>G | 0 | 0 | 0 | 0.52 |
| 41 | 1 | 29432523 | C>A | 0 | 0 | 0 | 0.6466667 |
| 42 | 1 | 29438081 | T>C | 0 | 0.438333333 | 0 | 0 |
| 43 | 1 | 29444758 | G>T | 0 | 0 | 0 | 0 |
| 44 | 1 | 29532126 | A>G | 0 | 0 | 0 | 0.37 |
| 45 | 1 | 29545167 | G>A | 0 | 0 | 0 | 0 |
| 46 | 1 | 29614547 | A>G | 0 | 0.49 | 0 | 0 |
| 47 | 1 | 29619856 | C>T | 0 | 0.333333333 | 0 | 0 |
| 48 | 1 | 31214567 | A>C | 0 | 0 | 0 | 0 |
| 49 | 1 | 31437469 | G>A | 0 | 0 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 31532954 | G>C | 0 | 0 | 0 | 0 |
| 2 | 1 | 31532955 | G>A | 0 | 0 | 0 | 0 |
| 3 | 1 | 31742970 | A>G | 0 | 0 | 0.333333333 | 0 |
| 4 | 1 | 31756797 | A>G | 0 | 0.416666667 | 0 | 0 |
| 5 | 1 | 32046328 | A>G | 0 | 0 | 0 | 0 |
| 6 | 1 | 32195906 | C>G | 0 | 0.666666667 | 0 | 0 |
| 7 | 1 | 32387845 | T>G | 0 | 0.476666667 | 0 | 0 |
| 8 | 1 | 32632475 | C>G | 0 | 0.588333333 | 0 | 0 |
| 9 | 1 | 32674010 | A>G | 0 | 0.435 | 0 | 0 |
| 10 | 1 | 32683931 | A>G | 0 | 0.635 | 0 | 0 |
| 11 | 1 | 32737713 | T>C | 0 | 0.313333333 | 0 | 0 |
| 12 | 1 | 32750759 | T>G | 0 | 0 | 0 | 0 |
| 13 | 1 | 32781632 | T>C | 0 | 0 | 0 | 0.6066667 |
| 14 | 1 | 32781644 | A>G | 0 | 0 | 0.303333333 | 0.6666667 |
| 15 | 1 | 32792950 | T>A | 0 | 0 | 0 | 0 |
| 16 | 1 | 32793015 | C>T | 0 | 0 | 0 | 0 |
| 17 | 1 | 32939557 | G>T | 0 | 0 | 0 | 0 |
| 18 | 1 | 33011816 | G>A | 0 | 0 | 0 | 0.5066667 |
| 19 | 1 | 33043008 | T>C | 0 | 0.555 | 0 | 0 |
| 20 | 1 | 33101099 | T>C | 0 | 0.333333333 | 0 | 0 |
| 21 | 1 | 33119360 | C>T | 0 | 0 | 0 | 0 |
| 22 | 1 | 33127122 | C>T | 0 | 0.356666667 | 0 | 0.35 |
| 23 | 1 | 33127123 | A>G | 0 | 0.356666667 | 0 | 0 |
| 24 | 1 | 33144657 | A>G | 0 | 0.416666667 | 0 | 0 |
| 25 | 1 | 33218647 | A>G | 0 | 0.715 | 0 | 0 |
| 26 | 1 | 33266399 | T>C | 0 | 0 | 0 | 0 |
| 27 | 1 | 33281514 | C>T | 0 | 0 | 0 | 0.36 |
| 28 | 1 | 33581188 | T>C | 0 | 0.455 | 0 | 0 |
| 29 | 1 | 33623510 | A>G | 0 | 0 | 0 | 0 |
| 30 | 1 | 33637507 | T>C | 0 | 0 | 0 | 0.7233333 |
| 31 | 1 | 33646805 | A>C | 0 | 0 | 0 | 0 |
| 32 | 1 | 33748239 | G>A | 0 | 0 | 0 | 0.75 |
| 33 | 1 | 33758138 | T>G | 0 | 0.555 | 0 | 0 |
| 34 | 1 | 34002102 | C>T | 0 | 0 | 0 | 0 |
| 35 | 1 | 34142585 | T>A | 0 | 0 | 0 | 0 |
| 36 | 1 | 34172430 | A>G | 0 | 0.666666667 | 0 | 0 |
| 37 | 1 | 34182024 | T>A | 0 | 0 | 0 | 0 |
| 38 | 1 | 34296991 | A>G | 0 | 0 | 0 | 0 |
| 39 | 1 | 34599442 | T>C | 0 | 0 | 0 | 0.4033333 |
| 40 | 1 | 34649191 | T>C | 0 | 0.356666667 | 0 | 0 |
| 41 | 1 | 35372540 | G>T | 0 | 0 | 0 | 0 |
| 42 | 1 | 35475850 | A>G | 0 | 0 | 0 | 0 |
| 43 | 1 | 35489413 | C>T | 0 | 0.416666667 | 0 | 0 |
| 44 | 1 | 35779115 | G>A | 0 | 0.445 | 0 | 0 |
| 45 | 1 | 35802742 | T>C | 0 | 0.49 | 0 | 0 |
| 46 | 1 | 35844940 | C>T | 0 | 0.361666667 | 0 | 0 |
| 47 | 1 | 35959964 | C>T | 0 | 0 | 0 | 0.4033333 |
| 48 | 1 | 35959965 | A>G | 0 | 0 | 0 | 0.4433333 |
| 49 | 1 | 35984370 | C>T | 0 | 0.388333333 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 36068377 | A>G | 0 | 0.513333333 | 0 | 0 |
| 2 | 1 | 36091280 | A>G | 0 | 0 | 0 | 0.74 |
| 3 | 1 | 36104593 | G>A | 0 | 0.37 | 0 | 0 |
| 4 | 1 | 36407405 | G>C | 0 | 0 | 0 | 0 |
| 5 | 1 | 36482016 | G>C | 0 | 0.333333333 | 0 | 0 |
| 6 | 1 | 36586432 | A>G | 0 | 0.445 | 0 | 0 |
| 7 | 1 | 36646372 | C>G | 0 | 0 | 0 | 0 |
| 8 | 1 | 36748273 | C>G | 0 | 0 | 0 | 0 |
| 9 | 1 | 36830857 | T>C | 0 | 0.353333333 | 0 | 0 |
| 10 | 1 | 36841442 | C>T | 0 | 0 | 0 | 0 |
| 11 | 1 | 36841443 | A>G | 0 | 0 | 0 | 0 |
| 12 | 1 | 36861586 | A>G | 0 | 0.391666667 | 0 | 0 |
| 13 | 1 | 37488740 | C>T | 0 | 0 | 0 | 0 |
| 14 | 1 | 37972165 | G>A | 0 | 0.606666667 | 0 | 0 |
| 15 | 1 | 38003885 | G>A | 0 | 0.303333333 | 0 | 0 |
| 16 | 1 | 38013646 | A>G | 0 | 0.416666667 | 0 | 0 |
| 17 | 1 | 38017867 | G>A | 0 | 0.666666667 | 0 | 0 |
| 18 | 1 | 38159250 | C>T | 0 | 0.385 | 0 | 0.33333333 |
| 19 | 1 | 38166706 | G>A | 0 | 0.666666667 | 0 | 0 |
| 20 | 1 | 38212034 | C>G | 0 | 0.448333333 | 0 | 0.31333333 |
| 21 | 1 | 38270746 | A>G | 0 | 0 | 0 | 0 |
| 22 | 1 | 38408919 | C>T | 0 | 0.323333333 | 0 | 0 |
| 23 | 1 | 38439287 | G>A | 0 | 0.333333333 | 0 | 0 |
| 24 | 1 | 39331352 | C>T | 0 | 0.666666667 | 0 | 0 |
| 25 | 1 | 39909900 | A>G | 0 | 0.526666667 | 0 | 0 |
| 26 | 1 | 40036847 | G>C | 0 | 0 | 0 | 0 |
| 27 | 1 | 40151471 | C>G | 0 | 0.303333333 | 0 | 0 |
| 28 | 1 | 40246312 | T>C | 0 | 0.715 | 0 | 0 |
| 29 | 1 | 40321745 | G>A | 0 | 0.391666667 | 0 | 0 |
| 30 | 1 | 40340970 | A>G | 0 | 0.833333333 | 0 | 0 |
| 31 | 1 | 40518788 | C>T | 0 | 0 | 0 | 0 |
| 32 | 1 | 40725996 | C>G | 0 | 0.606666667 | 0 | 0 |
| 33 | 1 | 40743390 | T>C | 0 | 0 | 0 | 0 |
| 34 | 1 | 40958640 | A>G | 0 | 0.391666667 | 0 | 0.4766667 |
| 35 | 1 | 41113720 | G>A | 0 | 0.513333333 | 0 | 0 |
| 36 | 1 | 41220149 | A>G | 0 | 0 | 0 | 0 |
| 37 | 1 | 41236517 | G>A | 0 | 0 | 0 | 0 |
| 38 | 1 | 41464030 | T>A | 0 | 0.313333333 | 0 | 0.57333333 |
| 39 | 1 | 41484752 | A>G | 0 | 0 | 0 | 0.4666667 |
| 40 | 1 | 41506365 | C>T | 0 | 0.333333333 | 0 | 0 |
| 41 | 1 | 41540944 | T>A | 0 | 0 | 0 | 0 |
| 42 | 1 | 41557536 | A>G | 0 | 0 | 0.606666667 | 0 |
| 43 | 1 | 41577146 | A>G | 0 | 0.476666667 | 0 | 0 |
| 44 | 1 | 41616375 | G>A | 0 | 0.323333333 | 0 | 0 |
| 45 | 1 | 41841858 | T>C | 0 | 0 | 0 | 0 |
| 46 | 1 | 42018656 | A>G | 0 | 0.43 | 0 | 0 |
| 47 | 1 | 42018699 | C>G | 0 | 0 | 0.323333333 | 0 |
| 48 | 1 | 42069241 | A>G | 0 | 0 | 0 | 0 |
| 49 | 1 | 42172235 | A>G | 0 | 0 | 0 | 0.86333333 |

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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 1 | 42263713 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1 | 42315619 | T>C | 0 | 0 | 0 | 0 |
| 3 | 1 | 42657403 | C>T | 0 | 0 | 0 | 0 |
| 4 | 1 | 42972859 | G>A | 0 | 0.4383333333 | 0 | 0.31666667 |
| 5 | 1 | 42993772 | G>A | 0 | 0 | 0 | 0 |
| 6 | 1 | 43027009 | G>A | 0 | 0 | 0 | 0 |
| 7 | 1 | 43102540 | A>G | 0 | 0 | 0 | 0.75333333 |
| 8 | 1 | 43162303 | G>A | 0 | 0 | 0 | 0 |
| 9 | 1 | 43240162 | A>G | 0 | 0.3133333333 | 0.3166666667 | 0.55666667 |
| 10 | 1 | 43276034 | G>A | 0 | 0.3566666667 | 0 | 0 |
| 11 | 1 | 43767293 | G>A | 0 | 0 | 0 | 0 |
| 12 | 1 | 43856909 | C>T | 0 | 0 | 0 | 0.42666667 |
| 13 | 1 | 44063517 | G>A | 0 | 0 | 0 | 0 |
| 14 | 1 | 44088822 | T>C | 0 | 0 | 0 | 0 |
| 15 | 1 | 44123136 | G>T | 0 | 0 | 0 | 0.62666667 |
| 16 | 1 | 44323374 | A>G | 0 | 0.5 | 0 | 0 |
| 17 | 1 | 44378524 | A>G | 0 | 0 | 0 | 0 |
| 18 | 1 | 44687647 | C>T | 0 | 0 | 0 | 0 |
| 19 | 1 | 44687692 | C>T | 0 | 0 | 0 | 0 |
| 20 | 1 | 44687706 | C>T | 0 | 0 | 0 | 0 |
| 21 | 1 | 44701815 | C>T | 0 | 0 | 0 | 0 |
| 22 | 1 | 44726909 | C>T | 0 | 0 | 0 | 0 |
| 23 | 1 | 44759766 | A>G | 0 | 0 | 0 | 0 |
| 24 | 1 | 44778325 | A>T | 0 | 0 | 0 | 0 |
| 25 | 1 | 44778343 | T>A | 0 | 0 | 0 | 0 |
| 26 | 1 | 44798684 | C>T | 0 | 0 | 0 | 0 |
| 27 | 1 | 44810640 | T>G | 0 | 0 | 0 | 0 |
| 28 | 1 | 44898106 | T>C | 0 | 0.6133333333 | 0 | 0 |
| 29 | 1 | 44947134 | T>C | 0 | 0 | 0 | 0.47666667 |
| 30 | 1 | 44973392 | A>G | 0 | 0 | 0 | 0 |
| 31 | 1 | 44979038 | A>G | 0 | 0 | 0 | 0 |
| 32 | 1 | 45021416 | A>G | 0 | 0.3333333333 | 0 | 0.44333333 |
| 33 | 1 | 45048184 | G>T | 0 | 0.46 | 0.325 | 0 |
| 34 | 1 | 45055192 | G>A | 0 | 0.445 | 0 | 0 |
| 35 | 1 | 45103870 | G>T | 0 | 0 | 0 | 0 |
| 36 | 1 | 45103887 | C>T | 0 | 0 | 0 | 0 |
| 37 | 1 | 45116116 | T>A | 0 | 0 | 0 | 0 |
| 38 | 1 | 45116195 | C>T | 0 | 0 | 0 | 0 |
| 39 | 1 | 45230045 | T>C | 0 | 0.37 | 0 | 0 |
| 40 | 1 | 45231695 | A>G | 0 | 0 | 0.3083333333 | 0.72 |
| 41 | 1 | 45232495 | T>C | 0 | 0 | 0 | 0 |
| 42 | 1 | 45367054 | T>C | 0 | 0.3083333333 | 0 | 0.66666667 |
| 43 | 1 | 45373347 | G>C | 0 | 0 | 0 | 0.40333333 |
| 44 | 1 | 45397697 | T>C | 0 | 0 | 0 | 0 |
| 45 | 1 | 45420514 | A>G | 0 | 0.5133333333 | 0 | 0 |
| 46 | 1 | 45421116 | G>C | 0 | 0.4633333333 | 0 | 0.33333333 |
| 47 | 1 | 45449508 | T>A | 0 | 0.4316666667 | 0 | 0 |
| 48 | 1 | 45565702 | A>G | 0 | 0 | 0 | 0 |
| 49 | 1 | 45598997 | T>A | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 45801317 | C>T | 0 | 0.441666667 | 0 | 0 |
| 2 | 1 | 45945898 | C>T | 0 | 0 | 0 | 0 |
| 3 | 1 | 46020914 | T>C | 0 | 0 | 0 | 0.5266667 |
| 4 | 1 | 46022288 | C>T | 0 | 0.416666667 | 0 | 0 |
| 5 | 1 | 46095903 | A>G | 0 | 0.385 | 0 | 0 |
| 6 | 1 | 46281121 | T>C | 0 | 0 | 0 | 0.95333333 |
| 7 | 1 | 46284724 | G>A | 0 | 0 | 0 | 0 |
| 8 | 1 | 46291285 | G>A | 0 | 0 | 0 | 0.69 |
| 9 | 1 | 46359646 | T>G | 0 | 0.303333333 | 0 | 0 |
| 10 | 1 | 46431229 | C>T | 0 | 0 | 0 | 0.45333333 |
| 11 | 1 | 46541084 | T>C | 0 | 0.445 | 0 | 0 |
| 12 | 1 | 46572776 | T>C | 0 | 0.37 | 0 | 0 |
| 13 | 1 | 46725192 | A>C | 0 | 0.323333333 | 0 | 0 |
| 14 | 1 | 46860864 | C>T | 0 | 0 | 0 | 0.38 |
| 15 | 1 | 47101549 | G>A | 0 | 0 | 0 | 0 |
| 16 | 1 | 47732873 | C>A | 0 | 0.416666667 | 0 | 0 |
| 17 | 1 | 47733879 | A>G | 0 | 0.385 | 0 | 0.54 |
| 18 | 1 | 47734565 | G>A | 0 | 0.416666667 | 0 | 0 |
| 19 | 1 | 47778750 | T>C | 0 | 0 | 0 | 0 |
| 20 | 1 | 47810630 | T>C | 0 | 0.555 | 0 | 0 |
| 21 | 1 | 48780756 | C>T | 0 | 0 | 0 | 0.5366667 |
| 22 | 1 | 48781012 | T>C | 0 | 0 | 0 | 0.46 |
| 23 | 1 | 49352469 | C>T | 0 | 0.385 | 0 | 0 |
| 24 | 1 | 49383862 | C>T | 0 | 0 | 0 | 0 |
| 25 | 1 | 49448572 | T>G | 0 | 0.526666667 | 0 | 0 |
| 26 | 1 | 49477069 | G>A | 0 | 0.595 | 0 | 0 |
| 27 | 1 | 49534288 | T>A | 0 | 0.333333333 | 0 | 0.5566667 |
| 28 | 1 | 49537255 | A>G | 0 | 0 | 0 | 0 |
| 29 | 1 | 49560875 | G>A | 0 | 0.351666667 | 0 | 0 |
| 30 | 1 | 49583208 | G>A | 0 | 0 | 0 | 0 |
| 31 | 1 | 49724437 | A>C | 0 | 0 | 0 | 1 |
| 32 | 1 | 49751532 | G>T | 0 | 0 | 0 | 0.5566667 |
| 33 | 1 | 49769206 | A>C | 0 | 0 | 0.333333333 | 0 |
| 34 | 1 | 49790820 | A>G | 0 | 0 | 0 | 0 |
| 35 | 1 | 49846600 | C>G | 0 | 0 | 0 | 0 |
| 36 | 1 | 49946749 | T>C | 0 | 0 | 0.333333333 | 0 |
| 37 | 1 | 49980802 | T>C | 0 | 0 | 0 | 0.5 |
| 38 | 1 | 50029123 | C>T | 0 | 0.455 | 0 | 0 |
| 39 | 1 | 50030427 | A>G | 0 | 0 | 0 | 0 |
| 40 | 1 | 50068162 | T>C | 0 | 0.555 | 0 | 0 |
| 41 | 1 | 50121217 | C>T | 0 | 0.333333333 | 0 | 0 |
| 42 | 1 | 50121276 | C>A | 0 | 0.351666667 | 0 | 0 |
| 43 | 1 | 50171549 | T>C | 0 | 0.416666667 | 0 | 0 |
| 44 | 1 | 50172718 | C>G | 0 | 0 | 0 | 0.57333333 |
| 45 | 1 | 50172803 | A>G | 0 | 0.521666667 | 0.435 | 0 |
| 46 | 1 | 50172831 | C>T | 0 | 0.521666667 | 0 | 0 |
| 47 | 1 | 50181818 | G>A | 0 | 0 | 0 | 0.5566667 |
| 48 | 1 | 50205435 | A>T | 0 | 0.5 | 0 | 0 |
| 49 | 1 | 50206993 | A>G | 0 | 0 | 0 | 0.4766667 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 50384558 | G>T | 0 | 0 | 0 | 0.4033333 |
| 2 | 1 | 50386556 | C>T | 0 | 0 | 0 | 0.4166667 |
| 3 | 1 | 50423522 | C>T | 0 | 0 | 0 | 0 |
| 4 | 1 | 50919105 | C>T | 0 | 0 | 0 | 0 |
| 5 | 1 | 50977674 | C>T | 0 | 0 | 0 | 0 |
| 6 | 1 | 51000038 | C>T | 0 | 0.316666667 | 0 | 0 |
| 7 | 1 | 51082573 | A>G | 0 | 0.32 | 0 | 0 |
| 8 | 1 | 51113029 | A>C | 0 | 0.313333333 | 0 | 0 |
| 9 | 1 | 51138685 | A>T | 0 | 0.476666667 | 0 | 0 |
| 10 | 1 | 51223989 | A>G | 0 | 0 | 0.416666667 | 0.8766667 |
| 11 | 1 | 51226267 | C>A | 0 | 0 | 0 | 0 |
| 12 | 1 | 51235136 | C>T | 0 | 0.666666667 | 0 | 0 |
| 13 | 1 | 51354777 | A>G | 0 | 0.416666667 | 0 | 0 |
| 14 | 1 | 51355970 | A>G | 0 | 0.416666667 | 0 | 0.6066667 |
| 15 | 1 | 51356039 | G>A | 0 | 0.705 | 0.416666667 | 0.8133333 |
| 16 | 1 | 51373950 | C>T | 0 | 0 | 0 | 0 |
| 17 | 1 | 51407169 | A>G | 0 | 0 | 0 | 0.43 |
| 18 | 1 | 51793454 | C>T | 0 | 0 | 0 | 0 |
| 19 | 1 | 51803305 | G>C | 0 | 0 | 0 | 0 |
| 20 | 1 | 51942049 | C>T | 0 | 0.385 | 0 | 0 |
| 21 | 1 | 51945013 | A>G | 0 | 0 | 0 | 0 |
| 22 | 1 | 52267723 | C>T | 0 | 0 | 0 | 0 |
| 23 | 1 | 52267724 | A>G | 0 | 0 | 0 | 0.4166667 |
| 24 | 1 | 52492395 | G>A | 0 | 0 | 0 | 0.6266667 |
| 25 | 1 | 52492491 | A>T | 0 | 0.46 | 0 | 0 |
| 26 | 1 | 52505768 | G>C | 0 | 0 | 0 | 0 |
| 27 | 1 | 52550275 | G>C | 0 | 0.351666667 | 0 | 0 |
| 28 | 1 | 52652748 | T>G | 0 | 0.606666667 | 0 | 0 |
| 29 | 1 | 52661727 | G>A | 0 | 0.345 | 0 | 0 |
| 30 | 1 | 52792630 | A>C | 0 | 0.378333333 | 0 | 0 |
| 31 | 1 | 52795526 | T>G | 0 | 0 | 0 | 0.31 |
| 32 | 1 | 52809329 | A>G | 0 | 0.641666667 | 0 | 0 |
| 33 | 1 | 52828862 | G>C | 0 | 0.416666667 | 0 | 0 |
| 34 | 1 | 52848471 | C>T | 0 | 0.303333333 | 0 | 0 |
| 35 | 1 | 52876602 | G>T | 0 | 0 | 0 | 0 |
| 36 | 1 | 52898840 | G>A | 0 | 0.438333333 | 0 | 0 |
| 37 | 1 | 52904562 | C>T | 0 | 0 | 0 | 0 |
| 38 | 1 | 52916874 | C>G | 0 | 0.476666667 | 0 | 0 |
| 39 | 1 | 52923153 | G>A | 0 | 0.333333333 | 0 | 0 |
| 40 | 1 | 52971679 | C>T | 0 | 0 | 0 | 0 |
| 41 | 1 | 52973730 | C>T | 0 | 0.316666667 | 0 | 0 |
| 42 | 1 | 53002576 | G>A | 0 | 0 | 0 | 0.3433333 |
| 43 | 1 | 53118376 | A>G | 0 | 0.313333333 | 0 | 0 |
| 44 | 1 | 53234529 | A>G | 0 | 0.555 | 0 | 0.3233333 |
| 45 | 1 | 53259727 | G>A | 0 | 0.37 | 0 | 0.34 |
| 46 | 1 | 53282694 | A>G | 0 | 0.333333333 | 0 | 0 |
| 47 | 1 | 53350683 | C>T | 0 | 0 | 0 | 0 |
| 48 | 1 | 53405507 | C>A | 0 | 0 | 0 | 0 |
| 49 | 1 | 53415902 | T>C | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 53424162 | T>C | 0 | 0.316666667 | 0 | 0 |
| 2 | 1 | 53473110 | T>C | 0 | 0.49 | 0 | 0 |
| 3 | 1 | 53474400 | A>G | 0 | 0.333333333 | 0 | 0 |
| 4 | 1 | 53492947 | G>A | 0 | 0 | 0 | 0 |
| 5 | 1 | 53679568 | G>A | 0 | 0.445 | 0 | 0 |
| 6 | 1 | 54078114 | T>C | 0 | 0.333333333 | 0 | 0.76333333 |
| 7 | 1 | 54143423 | T>C | 0 | 0 | 0 | 0 |
| 8 | 1 | 54241200 | A>G | 0 | 0 | 0 | 0.43333333 |
| 9 | 1 | 54285857 | G>A | 0 | 0.416666667 | 0 | 0 |
| 10 | 1 | 54324579 | G>A | 0 | 0 | 0 | 0 |
| 11 | 1 | 54347696 | C>T | 0 | 0 | 0 | 0 |
| 12 | 1 | 54390306 | A>G | 0 | 0 | 0 | 0.69666667 |
| 13 | 1 | 54499028 | T>C | 0 | 0 | 0 | 0.46333333 |
| 14 | 1 | 54506085 | T>C | 0 | 0 | 0.351666667 | 0 |
| 15 | 1 | 54539885 | T>C | 0 | 0.476666667 | 0 | 0 |
| 16 | 1 | 54612524 | G>A | 0 | 1 | 0 | 0.63 |
| 17 | 1 | 54653488 | T>C | 0 | 0 | 0 | 0 |
| 18 | 1 | 54723731 | G>A | 0 | 0 | 0 | 0 |
| 19 | 1 | 54812239 | A>G | 0 | 0 | 0 | 0.37 |
| 20 | 1 | 54812765 | A>G | 0 | 0 | 0 | 0.53666667 |
| 21 | 1 | 55104203 | A>G | 0 | 0.351666667 | 0 | 0 |
| 22 | 1 | 55127155 | T>G | 0 | 0 | 0 | 0.49666667 |
| 23 | 1 | 55339438 | G>T | 0 | 0 | 0 | 0 |
| 24 | 1 | 55346238 | A>G | 0 | 0.476666667 | 0 | 0 |
| 25 | 1 | 55449061 | A>G | 0 | 0 | 0 | 0 |
| 26 | 1 | 55554768 | G>A | 0 | 0.388333333 | 0.333333333 | 0 |
| 27 | 1 | 57039613 | A>G | 0 | 0.37 | 0 | 0 |
| 28 | 1 | 57146742 | G>A | 0 | 0 | 0 | 0 |
| 29 | 1 | 57200137 | A>C | 0 | 0 | 0 | 0 |
| 30 | 1 | 57514923 | T>C | 0 | 0.49 | 0 | 0.37 |
| 31 | 1 | 57797825 | A>G | 0 | 0.345 | 0 | 0.41666667 |
| 32 | 1 | 57857993 | G>A | 0 | 0 | 0 | 0.38 |
| 33 | 1 | 58027987 | A>G | 0 | 0.385 | 0 | 0.51333333 |
| 34 | 1 | 58030448 | T>A | 0 | 0 | 0 | 0.33333333 |
| 35 | 1 | 58032960 | C>G | 0 | 0 | 0 | 0 |
| 36 | 1 | 58517202 | T>C | 0 | 0.303333333 | 0.356666667 | 0 |
| 37 | 1 | 58518499 | T>C | 0 | 0 | 0 | 0.30333333 |
| 38 | 1 | 58682291 | C>T | 0 | 0 | 0 | 0 |
| 39 | 1 | 58691197 | C>T | 0 | 0.416666667 | 0 | 0 |
| 40 | 1 | 59247564 | A>C | 0 | 0 | 0 | 0 |
| 41 | 1 | 59248748 | A>G | 0 | 0 | 0 | 0 |
| 42 | 1 | 59813123 | T>G | 0 | 0.435 | 0 | 0.45 |
| 43 | 1 | 59813417 | C>G | 0 | 0.476666667 | 0 | 0 |
| 44 | 1 | 59846965 | G>A | 0 | 0 | 0 | 0.49 |
| 45 | 1 | 59930664 | T>A | 0 | 0.476666667 | 0 | 0 |
| 46 | 1 | 59930676 | T>C | 0 | 0.513333333 | 0 | 0 |
| 47 | 1 | 59931106 | G>T | 0 | 0 | 0 | 0 |
| 48 | 1 | 59938510 | G>C | 0 | 0.37 | 0 | 0 |
| 49 | 1 | 60001070 | T>C | 0 | 0.416666667 | 0 | 0.5 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 60003279 | G>C | 0 | 0.438333333 | 0 | 0 |
| 2 | 1 | 60029462 | C>A | 0 | 0.323333333 | 0 | 0 |
| 3 | 1 | 60029854 | A>T | 0 | 0 | 0 | 0 |
| 4 | 1 | 60051175 | C>T | 0 | 0 | 0 | 0.5 |
| 5 | 1 | 60053911 | G>A | 0 | 0 | 0 | 0 |
| 6 | 1 | 60056008 | T>C | 0 | 0.455 | 0 | 0 |
| 7 | 1 | 60056737 | C>T | 0 | 0.388333333 | 0 | 0.3566667 |
| 8 | 1 | 60057335 | T>A | 0 | 0.4 | 0 | 0 |
| 9 | 1 | 60057689 | T>A | 0 | 0.37 | 0 | 0 |
| 10 | 1 | 60078620 | C>T | 0 | 0 | 0.313333333 | 0 |
| 11 | 1 | 60078637 | T>C | 0 | 0 | 0 | 0 |
| 12 | 1 | 60082201 | T>G | 0 | 0 | 0 | 0 |
| 13 | 1 | 60304075 | A>G | 0 | 0.466666667 | 0 | 0 |
| 14 | 1 | 60304762 | T>G | 0 | 0.303333333 | 0 | 0 |
| 15 | 1 | 60305410 | C>T | 0 | 0.46 | 0 | 0 |
| 16 | 1 | 60305635 | A>T | 0 | 0 | 0.37 | 0 |
| 17 | 1 | 60461228 | G>A | 0 | 0.416666667 | 0 | 0 |
| 18 | 1 | 61617304 | C>G | 0 | 0 | 0 | 0 |
| 19 | 1 | 61632565 | A>G | 0 | 0 | 0.366666667 | 0.36 |
| 20 | 1 | 61650009 | A>G | 0 | 0 | 0 | 0 |
| 21 | 1 | 61650167 | A>C | 0 | 0 | 0 | 0 |
| 22 | 1 | 62154226 | G>C | 0 | 0 | 0 | 0 |
| 23 | 1 | 62360127 | G>A | 0 | 0 | 0 | 0.44 |
| 24 | 1 | 62376517 | A>C | 0 | 0.385 | 0 | 0 |
| 25 | 1 | 62378093 | C>T | 0 | 0.385 | 0 | 0 |
| 26 | 1 | 62378094 | T>C | 0 | 0.385 | 0 | 0 |
| 27 | 1 | 62383475 | T>C | 0 | 0 | 0 | 0.7533333 |
| 28 | 1 | 62414187 | C>T | 0 | 0 | 0 | 0.4866667 |
| 29 | 1 | 62525112 | A>G | 0 | 0 | 0 | 0 |
| 30 | 1 | 62719304 | C>T | 0 | 0.416666667 | 0 | 0.6666667 |
| 31 | 1 | 62719342 | G>C | 0 | 0.555 | 0 | 0.4033333 |
| 32 | 1 | 62742201 | T>A | 0 | 0.431666667 | 0 | 0.54 |
| 33 | 1 | 62931272 | C>G | 0 | 0.361666667 | 0 | 0.7833333 |
| 34 | 1 | 63035644 | T>C | 0 | 0.403333333 | 0 | 0 |
| 35 | 1 | 63888856 | A>G | 0 | 0 | 0 | 0.43 |
| 36 | 1 | 64007453 | T>C | 0 | 0 | 0 | 0 |
| 37 | 1 | 64468055 | T>C | 0 | 0 | 0 | 0.36 |
| 38 | 1 | 64533635 | T>C | 0 | 0 | 0 | 1 |
| 39 | 1 | 64630985 | G>A | 0 | 0.378333333 | 0 | 0 |
| 40 | 1 | 65106097 | G>A | 0 | 0 | 0 | 0.52 |
| 41 | 1 | 65240410 | T>C | 0 | 0.356666667 | 0 | 0 |
| 42 | 1 | 65304569 | T>C | 0 | 0.378333333 | 0.391666667 | 0 |
| 43 | 1 | 65360257 | T>C | 0 | 0.416666667 | 0 | 0 |
| 44 | 1 | 65621066 | C>G | 0 | 0 | 0 | 0 |
| 45 | 1 | 65672944 | C>G | 0 | 0.455 | 0 | 0 |
| 46 | 1 | 65895702 | T>C | 0 | 0 | 0 | 0 |
| 47 | 1 | 65928089 | A>G | 0 | 0 | 0 | 0 |
| 48 | 1 | 65929040 | C>G | 0 | 0.416666667 | 0.323333333 | 0 |
| 49 | 1 | 65931084 | G>A | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 1 | 66019532 | A>C | 0 | 0 | 0 | 0 |
| 2 | 1 | 66327862 | A>G | 0 | 0 | 0 | 1 |
| 3 | 1 | 66431938 | T>C | 0 | 0.3783333333 | 0 | 0 |
| 4 | 1 | 66487847 | A>C | 0 | 0.46 | 0 | 0.4 |
| 5 | 1 | 66583770 | C>T | 0 | 0 | 0 | 0.37 |
| 6 | 1 | 66654574 | G>T | 0 | 0.3333333333 | 0 | 0 |
| 7 | 1 | 66665794 | A>C | 0 | 0 | 0 | 1 |
| 8 | 1 | 66801877 | G>A | 0 | 0 | 0 | 0 |
| 9 | 1 | 67033691 | G>A | 0 | 0 | 0 | 0 |
| 10 | 1 | 67573322 | C>A | 0 | 0 | 0 | 0.5 |
| 11 | 1 | 67590072 | A>T | 0 | 0 | 0 | 0 |
| 12 | 1 | 67593597 | T>C | 0 | 0 | 0 | 0.71333333 |
| 13 | 1 | 67646962 | A>G | 0 | 0 | 0 | 0.49 |
| 14 | 1 | 67649820 | A>G | 0 | 0 | 0 | 0 |
| 15 | 1 | 67701345 | A>G | 0 | 0.416666667 | 0 | 0 |
| 16 | 1 | 67860796 | T>C | 0 | 0 | 0 | 0.33333333 |
| 17 | 1 | 68264545 | A>G | 0 | 0 | 0 | 0 |
| 18 | 1 | 68264546 | G>A | 0 | 0.37 | 0 | 0.3166667 |
| 19 | 1 | 68958177 | C>G | 0 | 0 | 0 | 0 |
| 20 | 1 | 70371813 | G>T | 0 | 0 | 0 | 0.6066667 |
| 21 | 1 | 70391020 | T>C | 0 | 0 | 0 | 0.83333333 |
| 22 | 1 | 70412668 | T>G | 0 | 0.3083333333 | 0 | 0 |
| 23 | 1 | 70548665 | G>T | 0 | 0 | 0 | 0 |
| 24 | 1 | 70742915 | T>C | 0 | 0.356666667 | 0 | 0 |
| 25 | 1 | 70789518 | G>C | 0 | 0 | 0 | 0.4166667 |
| 26 | 1 | 70791811 | A>G | 0 | 0 | 0 | 0 |
| 27 | 1 | 70791812 | A>G | 0 | 0 | 0 | 0 |
| 28 | 1 | 70822161 | T>C | 0 | 0.3333333333 | 0.356666667 | 0.3966667 |
| 29 | 1 | 71502277 | C>A | 0 | 0.3033333333 | 0 | 0.44333333 |
| 30 | 1 | 71509930 | G>A | 0 | 0 | 0.3083333333 | 0 |
| 31 | 1 | 71917086 | G>A | 0 | 0 | 0 | 0 |
| 32 | 1 | 72092910 | T>C | 0 | 0.555 | 0 | 0 |
| 33 | 1 | 72236820 | A>C | 0 | 0 | 0 | 0 |
| 34 | 1 | 72378970 | T>G | 0 | 0 | 0 | 0.64 |
| 35 | 1 | 72551498 | T>C | 0 | 0 | 0.435 | 0 |
| 36 | 1 | 72622931 | A>G | 0 | 0 | 0 | 0 |
| 37 | 1 | 74494950 | C>T | 0 | 0.385 | 0 | 0 |
| 38 | 1 | 74511454 | G>A | 0 | 0.316666667 | 0 | 0 |
| 39 | 1 | 74511872 | T>C | 0 | 0.431666667 | 0 | 0 |
| 40 | 1 | 74512714 | G>A | 0 | 0.476666667 | 0 | 0 |
| 41 | 1 | 74566443 | A>T | 0 | 0 | 0.356666667 | 0 |
| 42 | 1 | 74587730 | A>G | 0 | 0 | 0 | 0.57333333 |
| 43 | 1 | 74597325 | C>T | 0 | 0 | 0 | 0 |
| 44 | 1 | 74792512 | T>C | 0 | 0.606666667 | 0 | 0 |
| 45 | 1 | 74798162 | A>T | 0 | 0.5333333333 | 0 | 0.40333333 |
| 46 | 1 | 75602858 | G>A | 0 | 0 | 0 | 0 |
| 47 | 1 | 75772700 | A>G | 0 | 0.625 | 0 | 0.54 |
| 48 | 1 | 75868685 | G>C | 0 | 0 | 0 | 0 |
| 49 | 1 | 75872837 | A>G | 0 | 0 | 0 | 0.38333333 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 75873441 | T>C | 0 | 0.313333333 | 0 | 0 |
| 2 | 1 | 75945993 | A>C | 0 | 0.391666667 | 0 | 0 |
| 3 | 1 | 76050405 | A>T | 0 | 0 | 0 | 0.4766667 |
| 4 | 1 | 76259035 | A>G | 0 | 0 | 0 | 0 |
| 5 | 1 | 76289601 | A>G | 0 | 0.43 | 0 | 0 |
| 6 | 1 | 76296217 | A>G | 0 | 0 | 0 | 0.6266667 |
| 7 | 1 | 76303265 | T>G | 0 | 0 | 0 | 0 |
| 8 | 1 | 76709293 | T>C | 0 | 0 | 0 | 0 |
| 9 | 1 | 77004187 | A>G | 0 | 0 | 0 | 0.52 |
| 10 | 1 | 77004188 | C>T | 0 | 0 | 0 | 0.6266667 |
| 11 | 1 | 77333178 | T>C | 0 | 0 | 0 | 0 |
| 12 | 1 | 77452083 | C>A | 0 | 0.333333333 | 0 | 0 |
| 13 | 1 | 77575981 | T>C | 0 | 0 | 0 | 0 |
| 14 | 1 | 77577052 | T>A | 0 | 0 | 0 | 0 |
| 15 | 1 | 77778044 | T>A | 0 | 0.445 | 0 | 0 |
| 16 | 1 | 77888675 | T>C | 0 | 0 | 0 | 0.8333333 |
| 17 | 1 | 77927144 | G>A | 0 | 0 | 0 | 0 |
| 18 | 1 | 77952137 | G>T | 0 | 0 | 0.346666667 | 0 |
| 19 | 1 | 78040619 | T>C | 0 | 0 | 0 | 0 |
| 20 | 1 | 78098196 | T>G | 0 | 0 | 0 | 0 |
| 21 | 1 | 78098258 | T>C | 0 | 0 | 0 | 0 |
| 22 | 1 | 78131466 | A>G | 0 | 0 | 0.346666667 | 1 |
| 23 | 1 | 78212499 | C>T | 0 | 0 | 0.333333333 | 0 |
| 24 | 1 | 78224120 | G>A | 0 | 0.388333333 | 0.308333333 | 0 |
| 25 | 1 | 78330217 | T>C | 0 | 0.345 | 0 | 0 |
| 26 | 1 | 78331775 | C>T | 0 | 0 | 0.303333333 | 0 |
| 27 | 1 | 78343876 | T>C | 0 | 0.506666667 | 0 | 0 |
| 28 | 1 | 78376192 | T>C | 0 | 0.758333333 | 0 | 0 |
| 29 | 1 | 78527570 | A>G | 0 | 0 | 0 | 0.44 |
| 30 | 1 | 78549942 | T>A | 0 | 0.416666667 | 0 | 0 |
| 31 | 1 | 78575576 | G>A | 0 | 0 | 0 | 0 |
| 32 | 1 | 78960366 | T>C | 0 | 0 | 0 | 0 |
| 33 | 1 | 82345435 | A>G | 0 | 0 | 0 | 0 |
| 34 | 1 | 84380984 | C>T | 0 | 0 | 0 | 0 |
| 35 | 1 | 84447263 | G>A | 0 | 0 | 0 | 0.6166667 |
| 36 | 1 | 84452318 | A>G | 0 | 0 | 0 | 0 |
| 37 | 1 | 84698167 | A>G | 0 | 0 | 0 | 0.69 |
| 38 | 1 | 85034316 | A>C | 0 | 0.303333333 | 0 | 0 |
| 39 | 1 | 85411622 | C>G | 0 | 0.5 | 0 | 0 |
| 40 | 1 | 85895309 | A>C | 0 | 0.798333333 | 0 | 0.5966667 |
| 41 | 1 | 85908484 | A>G | 0 | 0 | 0 | 0.7033333 |
| 42 | 1 | 85909445 | C>T | 0 | 0.678333333 | 0 | 0 |
| 43 | 1 | 85909788 | A>G | 0 | 0.435 | 0 | 0.4166667 |
| 44 | 1 | 86199492 | G>A | 0 | 0.435 | 0 | 0 |
| 45 | 1 | 86203463 | C>T | 0 | 0 | 0 | 0 |
| 46 | 1 | 86248022 | T>C | 0 | 0.43 | 0 | 0 |
| 47 | 1 | 86292447 | C>T | 0 | 0 | 0 | 0.6166667 |
| 48 | 1 | 86331829 | C>T | 0 | 0.313333333 | 0 | 0 |
| 49 | 1 | 86331895 | A>G | 0 | 0 | 0.476666667 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 86338554 | A>C | 0 | 0 | 0 | 0 |
| 2 | 1 | 86347901 | T>C | 0 | 0.438333333 | 0 | 0.4166667 |
| 3 | 1 | 86389373 | G>T | 0 | 0 | 0 | 0.4766667 |
| 4 | 1 | 86481814 | C>A | 0 | 0 | 0 | 0 |
| 5 | 1 | 86559670 | T>C | 0 | 0 | 0.606666667 | 0 |
| 6 | 1 | 86586408 | A>T | 0 | 0 | 0 | 0.4633333 |
| 7 | 1 | 87041531 | C>T | 0 | 0.323333333 | 0 | 0 |
| 8 | 1 | 87183369 | C>T | 0 | 0 | 0 | 0.7033333 |
| 9 | 1 | 87332908 | A>G | 0 | 0 | 0 | 0 |
| 10 | 1 | 89178772 | A>G | 0 | 0 | 0 | 0 |
| 11 | 1 | 89179642 | C>T | 0 | 0.356666667 | 0 | 0 |
| 12 | 1 | 89179707 | C>T | 0 | 0 | 0 | 0.3333333 |
| 13 | 1 | 89194812 | G>A | 0 | 0.353333333 | 0 | 0 |
| 14 | 1 | 89195643 | G>T | 0 | 0 | 0 | 0.89 |
| 15 | 1 | 89234076 | C>T | 0 | 0.666666667 | 0 | 0 |
| 16 | 1 | 89282612 | C>T | 0 | 0 | 0 | 0.4166667 |
| 17 | 1 | 89284575 | C>G | 0 | 0.313333333 | 0 | 0 |
| 18 | 1 | 89345521 | C>T | 0 | 0.555 | 0 | 0 |
| 19 | 1 | 89345667 | G>A | 0 | 0.521666667 | 0 | 0 |
| 20 | 1 | 89441933 | C>G | 0 | 0.32 | 0 | 0 |
| 21 | 1 | 89622620 | G>T | 0 | 0 | 0 | 0 |
| 22 | 1 | 89846596 | T>C | 0 | 0.333333333 | 0 | 0 |
| 23 | 1 | 90105877 | T>C | 0 | 0.333333333 | 0 | 0 |
| 24 | 1 | 90128603 | C>T | 0 | 0 | 0 | 0.3133333 |
| 25 | 1 | 90129413 | T>G | 0 | 0.533333333 | 0 | 0.5066667 |
| 26 | 1 | 90144867 | G>C | 0 | 0.351666667 | 0 | 0 |
| 27 | 1 | 90307661 | T>A | 0 | 0.351666667 | 0 | 0 |
| 28 | 1 | 90344323 | G>A | 0 | 0 | 0 | 0 |
| 29 | 1 | 90397102 | A>G | 0 | 0.333333333 | 0 | 0 |
| 30 | 1 | 90479419 | A>G | 0 | 0 | 0 | 0 |
| 31 | 1 | 91408737 | T>G | 0 | 0.37 | 0.323333333 | 0 |
| 32 | 1 | 91467517 | T>C | 0 | 0 | 0 | 0 |
| 33 | 1 | 91766270 | G>A | 0 | 0 | 0 | 0.4333333 |
| 34 | 1 | 91766396 | A>G | 0 | 0.555 | 0 | 0 |
| 35 | 1 | 91771858 | T>C | 0 | 0 | 0 | 0 |
| 36 | 1 | 91821925 | T>C | 0 | 0 | 0 | 0 |
| 37 | 1 | 92303023 | A>G | 0 | 0.395 | 0 | 0 |
| 38 | 1 | 92417489 | T>C | 0 | 0.385 | 0 | 0.35 |
| 39 | 1 | 92418990 | T>A | 0 | 0 | 0 | 0 |
| 40 | 1 | 92429968 | A>G | 0 | 0.361666667 | 0 | 0 |
| 41 | 1 | 92436092 | A>G | 0 | 0.351666667 | 0 | 0 |
| 42 | 1 | 92450824 | A>G | 0 | 0 | 0 | 0 |
| 43 | 1 | 92450852 | G>C | 0 | 0 | 0 | 0.6466667 |
| 44 | 1 | 92637595 | A>C | 0 | 0 | 0 | 0 |
| 45 | 1 | 92700297 | C>T | 0 | 0 | 0 | 0.4766667 |
| 46 | 1 | 92740405 | C>T | 0 | 0.666666667 | 0 | 0 |
| 47 | 1 | 92746974 | G>C | 0 | 0.445 | 0 | 0 |
| 48 | 1 | 92747870 | C>A | 0 | 0 | 0 | 0.4266667 |
| 49 | 1 | 92748122 | T>C | 0 | 0 | 0 | 0 |
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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 1 | 92748124 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1 | 92750664 | A>T | 0 | 0.445 | 0 | 0.44333333 |
| 3 | 1 | 92815239 | T>C | 0 | 0.3133333333 | 0 | 0 |
| 4 | 1 | 92847853 | A>G | 0 | 0 | 0 | 0.37 |
| 5 | 1 | 92999994 | T>G | 0 | 0.476666667 | 0 | 0 |
| 6 | 1 | 93001127 | T>A | 0 | 0 | 0 | 0 |
| 7 | 1 | 93012083 | G>A | 0 | 0 | 0 | 0 |
| 8 | 1 | 93014610 | C>A | 0 | 0.391666667 | 0 | 0 |
| 9 | 1 | 93058750 | A>C | 0 | 0 | 0 | 0 |
| 10 | 1 | 93059543 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 11 | 1 | 93106572 | G>A | 0 | 0.4383333333 | 0 | 0 |
| 12 | 1 | 93143899 | G>C | 0 | 0.416666667 | 0 | 0 |
| 13 | 1 | 93150498 | T>C | 0 | 0.666666667 | 0 | 0 |
| 14 | 1 | 93151008 | A>G | 0 | 0 | 0.361666667 | 0 |
| 15 | 1 | 93151028 | A>C | 0 | 0 | 0 | 0 |
| 16 | 1 | 93153257 | G>A | 0 | 0 | 0 | 0 |
| 17 | 1 | 93183284 | C>G | 0 | 0 | 0 | 0 |
| 18 | 1 | 93183312 | A>G | 0 | 0 | 0 | 0 |
| 19 | 1 | 93185283 | A>G | 0 | 0 | 0.356666667 | 0.4766667 |
| 20 | 1 | 93331917 | T>C | 0 | 0.3333333333 | 0.3333333333 | 0 |
| 21 | 1 | 93601133 | A>G | 0 | 0.555 | 0 | 0 |
| 22 | 1 | 93921011 | A>G | 0 | 0.391666667 | 0 | 0 |
| 23 | 1 | 93997764 | G>A | 0 | 0 | 0 | 0.34 |
| 24 | 1 | 94201963 | A>G | 0 | 0 | 0 | 0 |
| 25 | 1 | 94239778 | T>C | 0 | 0.445 | 0 | 0 |
| 26 | 1 | 94239779 | G>A | 0 | 0.3133333333 | 0 | 0 |
| 27 | 1 | 94288154 | T>C | 0 | 0 | 0 | 0.5566667 |
| 28 | 1 | 94539925 | C>A | 0 | 0 | 0 | 0.6666667 |
| 29 | 1 | 94564487 | C>G | 0 | 0 | 0 | 0 |
| 30 | 1 | 95534123 | A>G | 0 | 0 | 0 | 0.4766667 |
| 31 | 1 | 97252857 | T>C | 0 | 0 | 0 | 0.5566667 |
| 32 | 1 | 97257614 | T>C | 0 | 0 | 0 | 0.49 |
| 33 | 1 | 97562155 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 34 | 1 | 97585153 | A>T | 0 | 0 | 0 | 0 |
| 35 | 1 | 97599287 | T>C | 0 | 0 | 0.316666667 | 0 |
| 36 | 1 | 97627767 | G>C | 0 | 0 | 0 | 0 |
| 37 | 1 | 97865321 | T>A | 0 | 0 | 0 | 0.39333333 |
| 38 | 1 | 97946377 | T>A | 0 | 0 | 0 | 0 |
| 39 | 1 | 97986723 | G>T | 0 | 0 | 0 | 0 |
| 40 | 1 | 98058008 | C>T | 0 | 0.476666667 | 0 | 0 |
| 41 | 1 | 98127821 | A>G | 0 | 0 | 0 | 0.5566667 |
| 42 | 1 | 99131413 | A>T | 0 | 0.455 | 0.3783333333 | 0 |
| 43 | 1 | 99470328 | A>G | 0 | 0 | 0 | 0 |
| 44 | 1 | 1E+08 | T>C | 0 | 0.361666667 | 0 | 0 |
| 45 | 1 | 1.01E+08 | T>G | 0 | 0 | 0 | 0 |
| 46 | 1 | 1.01E+08 | G>A | 0 | 0 | 0 | 0.43 |
| 47 | 1 | 1.01E+08 | T>C | 0 | 0.32 | 0 | 0 |
| 48 | 1 | 1.01E+08 | A>C | 0 | 0.526666667 | 0 | 0 |
| 49 | 1 | 1.01E+08 | C>G | 0 | 0.5 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 1.01E+08 | T>G | 0 | 0 | 0 | 0.4533333 |
| 2 | 1 | 1.01E+08 | T>C | 0 | 0 | 0 | 0 |
| 3 | 1 | 1.01E+08 | C>T | 0 | 0 | 0.34 | 0 |
| 4 | 1 | 1.01E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 5 | 1 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.4033333 |
| 6 | 1 | 1.01E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 7 | 1 | 1.01E+08 | C>G | 0 | 0 | 0 | 0 |
| 8 | 1 | 1.01E+08 | A>C | 0 | 0 | 0 | 0 |
| 9 | 1 | 1.04E+08 | T>C | 0 | 0 | 0 | 0 |
| 10 | 1 | 1.08E+08 | T>G | 0 | 0 | 0 | 0 |
| 11 | 1 | 1.08E+08 | T>G | 0 | 0 | 0 | 0 |
| 12 | 1 | 1.08E+08 | C>A | 0 | 0.606666667 | 0 | 0 |
| 13 | 1 | 1.08E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 14 | 1 | 1.08E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 15 | 1 | 1.08E+08 | A>G | 0 | 0.463333333 | 0 | 0 |
| 16 | 1 | 1.08E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 1 | 1.08E+08 | T>C | 0 | 0 | 0.308333333 | 0 |
| 18 | 1 | 1.08E+08 | C>T | 0 | 0 | 0 | 0 |
| 19 | 1 | 1.09E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 20 | 1 | 1.09E+08 | G>A | 0 | 0 | 0 | 0.5733333 |
| 21 | 1 | 1.09E+08 | C>T | 0 | 0 | 0 | 0.7233333 |
| 22 | 1 | 1.09E+08 | T>G | 0 | 0.316666667 | 0 | 0 |
| 23 | 1 | 1.09E+08 | G>A | 0 | 0 | 0 | 0.4 |
| 24 | 1 | 1.1E+08 | T>C | 0 | 0 | 0 | 0.5933333 |
| 25 | 1 | 1.1E+08 | A>G | 0 | 0 | 0 | 0.5833333 |
| 26 | 1 | 1.1E+08 | A>G | 0 | 0.356666667 | 0 | 0 |
| 27 | 1 | 1.1E+08 | C>T | 0 | 0 | 0 | 0 |
| 28 | 1 | 1.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 29 | 1 | 1.11E+08 | A>G | 0 | 0 | 0 | 0.65 |
| 30 | 1 | 1.12E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 31 | 1 | 1.12E+08 | G>C | 0 | 0 | 0 | 0 |
| 32 | 1 | 1.12E+08 | A>G | 0 | 0 | 0 | 0 |
| 33 | 1 | 1.12E+08 | A>G | 0 | 0 | 0 | 0 |
| 34 | 1 | 1.12E+08 | C>A | 0 | 0.555 | 0 | 0 |
| 35 | 1 | 1.13E+08 | G>C | 0 | 0 | 0 | 0 |
| 36 | 1 | 1.13E+08 | T>C | 0 | 0 | 0 | 0 |
| 37 | 1 | 1.13E+08 | G>A | 0 | 0 | 0 | 0.3033333 |
| 38 | 1 | 1.13E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 39 | 1 | 1.14E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 40 | 1 | 1.14E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 41 | 1 | 1.14E+08 | G>A | 0 | 0 | 0 | 0 |
| 42 | 1 | 1.14E+08 | A>G | 0 | 0 | 0 | 0.35 |
| 43 | 1 | 1.14E+08 | G>C | 0 | 0.345 | 0 | 0 |
| 44 | 1 | 1.14E+08 | C>T | 0 | 0 | 0 | 0 |
| 45 | 1 | 1.14E+08 | G>A | 0 | 0 | 0 | 0.77 |
| 46 | 1 | 1.14E+08 | T>A | 0 | 0.391666667 | 0 | 0 |
| 47 | 1 | 1.14E+08 | A>G | 0 | 0 | 0 | 0.5566667 |
| 48 | 1 | 1.14E+08 | T>G | 0 | 0.416666667 | 0 | 0 |
| 49 | 1 | 1.14E+08 | C>T | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|---|------------|
| 1 | 1 | 1.14E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 2 | 1 | 1.14E+08 | G>A | 0 | 0 | 0 | 0.98 |
| 3 | 1 | 1.14E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 1 | 1.14E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 5 | 1 | 1.15E+08 | T>C | 0 | 0 | 0 | 0 |
| 6 | 1 | 1.15E+08 | C>G | 0 | 0.476666667 | 0 | 0 |
| 7 | 1 | 1.15E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 8 | 1 | 1.15E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 9 | 1 | 1.15E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 10 | 1 | 1.15E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 11 | 1 | 1.15E+08 | A>G | 0 | 0.555 | 0 | 0.30333333 |
| 12 | 1 | 1.15E+08 | T>C | 0 | 0 | 0 | 0.33333333 |
| 13 | 1 | 1.15E+08 | T>C | 0 | 0 | 0 | 0 |
| 14 | 1 | 1.15E+08 | C>T | 0 | 0.506666667 | 0 | 0 |
| 15 | 1 | 1.16E+08 | C>G | 0 | 0 | 0 | 0 |
| 16 | 1 | 1.16E+08 | T>A | 0 | 0.666666667 | 0 | 0 |
| 17 | 1 | 1.16E+08 | A>G | 0 | 0.833333333 | 0 | 0 |
| 18 | 1 | 1.16E+08 | G>C | 0 | 0.37 | 0 | 0.55666667 |
| 19 | 1 | 1.16E+08 | G>A | 0 | 0 | 0 | 0.54 |
| 20 | 1 | 1.17E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 21 | 1 | 1.17E+08 | G>A | 0 | 0 | 0 | 0 |
| 22 | 1 | 1.17E+08 | A>G | 0 | 0 | 0 | 0 |
| 23 | 1 | 1.17E+08 | G>A | 0 | 0 | 0 | 0 |
| 24 | 1 | 1.17E+08 | A>G | 0 | 0 | 0 | 0 |
| 25 | 1 | 1.18E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 26 | 1 | 1.18E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 27 | 1 | 1.18E+08 | T>G | 0 | 0.466666667 | 0 | 0 |
| 28 | 1 | 1.18E+08 | C>T | 0 | 0.521666667 | 0 | 0 |
| 29 | 1 | 1.19E+08 | A>G | 0 | 0 | 0 | 0.66666667 |
| 30 | 1 | 1.19E+08 | A>G | 0 | 0.595 | 0 | 0 |
| 31 | 1 | 1.19E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 32 | 1 | 1.19E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 33 | 1 | 1.19E+08 | A>G | 0 | 0.37 | 0 | 0.37 |
| 34 | 1 | 1.19E+08 | A>G | 0 | 0 | 0 | 0.42666667 |
| 35 | 1 | 1.2E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 36 | 1 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 1 | 1.2E+08 | T>G | 0 | 0 | 0 | 0 |
| 38 | 1 | 1.45E+08 | T>C | 0 | 0 | 0 | 0 |
| 39 | 1 | 1.45E+08 | T>C | 0 | 0 | 0 | 0 |
| 40 | 1 | 1.45E+08 | C>T | 0 | 0.316666667 | 0 | 0 |
| 41 | 1 | 1.46E+08 | T>G | 0 | 0 | 0 | 0.73 |
| 42 | 1 | 1.46E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 43 | 1 | 1.46E+08 | C>T | 0 | 0 | 0 | 0.35 |
| 44 | 1 | 1.47E+08 | A>G | 0 | 0 | 0 | 0 |
| 45 | 1 | 1.47E+08 | C>G | 0 | 0 | 0 | 0.35 |
| 46 | 1 | 1.47E+08 | G>C | 0 | 0 | 0 | 0.30333333 |
| 47 | 1 | 1.47E+08 | T>C | 0 | 0.346666667 | 0 | 0 |
| 48 | 1 | 1.47E+08 | A>G | 0 | 0 | 0 | 0 |
| 49 | 1 | 1.5E+08 | A>C | 0 | 0.37 | 0 | 0 |

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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 1 | 1.5E+08 | A>T | 0 | 0 | 0.3133333333 | 0.39333333 |
| 2 | 1 | 1.5E+08 | A>G | 0 | 0 | 0 | 0.32333333 |
| 3 | 1 | 1.5E+08 | G>A | 0 | 0 | 0 | 0.33333333 |
| 4 | 1 | 1.5E+08 | C>A | 0 | 0 | 0 | 0 |
| 5 | 1 | 1.5E+08 | G>A | 0 | 0.3916666667 | 0 | 0.98666667 |
| 6 | 1 | 1.5E+08 | A>C | 0 | 0 | 0 | 0 |
| 7 | 1 | 1.5E+08 | G>A | 0 | 0.6416666667 | 0 | 0 |
| 8 | 1 | 1.5E+08 | A>G | 0 | 0 | 0 | 0.36 |
| 9 | 1 | 1.5E+08 | G>A | 0 | 0 | 0 | 0.35 |
| 10 | 1 | 1.5E+08 | T>G | 0 | 0 | 0 | 0.34333333 |
| 11 | 1 | 1.5E+08 | A>T | 0 | 0 | 0 | 0.47666667 |
| 12 | 1 | 1.5E+08 | A>G | 0 | 0.3133333333 | 0 | 0 |
| 13 | 1 | 1.5E+08 | C>T | 0 | 0.31 | 0 | 0 |
| 14 | 1 | 1.5E+08 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 15 | 1 | 1.5E+08 | G>A | 0 | 0 | 0 | 0 |
| 16 | 1 | 1.51E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 17 | 1 | 1.51E+08 | G>A | 0 | 0.5266666667 | 0 | 0 |
| 18 | 1 | 1.51E+08 | G>A | 0 | 0.3916666667 | 0 | 0 |
| 19 | 1 | 1.51E+08 | A>G | 0 | 0.3916666667 | 0 | 0.33333333 |
| 20 | 1 | 1.51E+08 | A>G | 0 | 0 | 0.345 | 0 |
| 21 | 1 | 1.51E+08 | C>T | 0 | 0.9516666667 | 0 | 0.43 |
| 22 | 1 | 1.51E+08 | A>G | 0 | 0 | 0 | 0.47666667 |
| 23 | 1 | 1.51E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 24 | 1 | 1.51E+08 | A>G | 0 | 0 | 0 | 0.60666667 |
| 25 | 1 | 1.51E+08 | G>A | 0 | 0 | 0 | 0.43 |
| 26 | 1 | 1.51E+08 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 27 | 1 | 1.51E+08 | A>C | 0 | 0 | 0 | 0 |
| 28 | 1 | 1.51E+08 | T>C | 0 | 0.3816666667 | 0 | 0 |
| 29 | 1 | 1.51E+08 | C>T | 0 | 0 | 0 | 0.40333333 |
| 30 | 1 | 1.51E+08 | T>C | 0 | 0.3433333333 | 0 | 0 |
| 31 | 1 | 1.51E+08 | C>A | 0 | 0 | 0 | 0.83333333 |
| 32 | 1 | 1.51E+08 | T>C | 0 | 0 | 0 | 0.46 |
| 33 | 1 | 1.51E+08 | A>C | 0 | 0.385 | 0 | 0 |
| 34 | 1 | 1.51E+08 | A>G | 0 | 0.74 | 0 | 0 |
| 35 | 1 | 1.51E+08 | T>C | 0 | 0 | 0 | 0.35333333 |
| 36 | 1 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 1 | 1.51E+08 | T>C | 0 | 0.3033333333 | 0 | 0.40333333 |
| 38 | 1 | 1.51E+08 | A>G | 0 | 0 | 0 | 0.53666667 |
| 39 | 1 | 1.51E+08 | C>A | 0 | 0.4166666667 | 0 | 0 |
| 40 | 1 | 1.51E+08 | T>C | 0 | 0 | 0 | 0.51333333 |
| 41 | 1 | 1.52E+08 | G>A | 0 | 0.3516666667 | 0 | 0 |
| 42 | 1 | 1.52E+08 | G>A | 0 | 0 | 0 | 0 |
| 43 | 1 | 1.52E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 44 | 1 | 1.52E+08 | A>T | 0 | 0.345 | 0 | 0 |
| 45 | 1 | 1.52E+08 | A>G | 0 | 0 | 0 | 0.60666667 |
| 46 | 1 | 1.52E+08 | T>C | 0 | 0 | 0 | 0 |
| 47 | 1 | 1.52E+08 | C>T | 0 | 0 | 0 | 0 |
| 48 | 1 | 1.52E+08 | A>T | 0 | 0 | 0 | 0 |
| 49 | 1 | 1.52E+08 | T>C | 0 | 0.53 | 0 | 0.44 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 1.54E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1 | 1.54E+08 | C>T | 0 | 0 | 0 | 0 |
| 3 | 1 | 1.54E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 1 | 1.54E+08 | G>A | 0 | 0 | 0 | 0 |
| 5 | 1 | 1.54E+08 | G>A | 0 | 0 | 0 | 0 |
| 6 | 1 | 1.54E+08 | T>C | 0 | 0.441666667 | 0 | 0 |
| 7 | 1 | 1.54E+08 | C>T | 0 | 0 | 0 | 0 |
| 8 | 1 | 1.54E+08 | T>A | 0 | 0.356666667 | 0 | 0 |
| 9 | 1 | 1.54E+08 | G>A | 0 | 0.378333333 | 0 | 0 |
| 10 | 1 | 1.54E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 11 | 1 | 1.54E+08 | A>G | 0 | 0 | 0.303333333 | 0 |
| 12 | 1 | 1.54E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 13 | 1 | 1.54E+08 | A>G | 0 | 0 | 0 | 0 |
| 14 | 1 | 1.54E+08 | G>A | 0 | 0 | 0 | 0 |
| 15 | 1 | 1.54E+08 | T>C | 0 | 0 | 0 | 0.34 |
| 16 | 1 | 1.54E+08 | A>G | 0 | 0.333333333 | 0 | 0.64 |
| 17 | 1 | 1.54E+08 | T>A | 0 | 0.341666667 | 0 | 0 |
| 18 | 1 | 1.54E+08 | A>G | 0 | 0.316666667 | 0 | 0.4766667 |
| 19 | 1 | 1.54E+08 | T>C | 0 | 0.583333333 | 0 | 0.3433333 |
| 20 | 1 | 1.54E+08 | T>C | 0 | 0.49 | 0 | 0.4166667 |
| 21 | 1 | 1.54E+08 | G>A | 0 | 0 | 0 | 0 |
| 22 | 1 | 1.54E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 23 | 1 | 1.54E+08 | C>T | 0 | 0.378333333 | 0 | 0 |
| 24 | 1 | 1.54E+08 | C>T | 0 | 0 | 0 | 0 |
| 25 | 1 | 1.54E+08 | T>G | 0 | 0 | 0.391666667 | 0.5133333 |
| 26 | 1 | 1.54E+08 | G>T | 0 | 0 | 0 | 0 |
| 27 | 1 | 1.54E+08 | C>T | 0 | 0 | 0 | 0 |
| 28 | 1 | 1.54E+08 | G>C | 0 | 0.313333333 | 0 | 0 |
| 29 | 1 | 1.54E+08 | A>G | 0 | 0 | 0 | 0.4 |
| 30 | 1 | 1.55E+08 | A>G | 0 | 0 | 0.416666667 | 0 |
| 31 | 1 | 1.55E+08 | T>G | 0 | 0 | 0 | 0 |
| 32 | 1 | 1.55E+08 | A>G | 0 | 0.316666667 | 0 | 0.4166667 |
| 33 | 1 | 1.55E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 34 | 1 | 1.55E+08 | A>G | 0 | 0 | 0 | 0 |
| 35 | 1 | 1.55E+08 | G>A | 0 | 0 | 0 | 0.6066667 |
| 36 | 1 | 1.55E+08 | C>T | 0 | 0 | 0 | 0.4333333 |
| 37 | 1 | 1.55E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 38 | 1 | 1.55E+08 | G>T | 0 | 0 | 0 | 0 |
| 39 | 1 | 1.55E+08 | T>C | 0 | 0.43 | 0 | 0 |
| 40 | 1 | 1.56E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 1 | 1.56E+08 | A>T | 0 | 0 | 0 | 0 |
| 42 | 1 | 1.56E+08 | C>T | 0 | 0 | 0 | 0 |
| 43 | 1 | 1.56E+08 | A>T | 0 | 0.416666667 | 0 | 0 |
| 44 | 1 | 1.56E+08 | C>T | 0 | 0.526666667 | 0 | 0 |
| 45 | 1 | 1.56E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 46 | 1 | 1.56E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 47 | 1 | 1.56E+08 | A>G | 0 | 0.346666667 | 0 | 0 |
| 48 | 1 | 1.56E+08 | T>G | 0 | 0.333333333 | 0 | 0.3166667 |
| 49 | 1 | 1.56E+08 | T>G | 0 | 0 | 0 | 0.52 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 1.56E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1 | 1.56E+08 | A>G | 0 | 0.445 | 0 | 0 |
| 3 | 1 | 1.56E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 1 | 1.56E+08 | T>A | 0 | 0 | 0 | 0 |
| 5 | 1 | 1.56E+08 | T>G | 0 | 0 | 0 | 0 |
| 6 | 1 | 1.56E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 7 | 1 | 1.56E+08 | G>C | 0 | 0 | 0.625 | 0 |
| 8 | 1 | 1.56E+08 | C>T | 0 | 0.361666667 | 0 | 0 |
| 9 | 1 | 1.56E+08 | G>A | 0 | 0.431666667 | 0 | 0 |
| 10 | 1 | 1.56E+08 | A>G | 0 | 0 | 0 | 0.57333333 |
| 11 | 1 | 1.56E+08 | C>T | 0 | 0.666666667 | 0 | 0.3566667 |
| 12 | 1 | 1.56E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 13 | 1 | 1.57E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 14 | 1 | 1.57E+08 | A>C | 0 | 0.346666667 | 0 | 0 |
| 15 | 1 | 1.57E+08 | C>T | 0 | 0.513333333 | 0 | 0 |
| 16 | 1 | 1.57E+08 | G>T | 0 | 0 | 0 | 0 |
| 17 | 1 | 1.57E+08 | G>T | 0 | 0 | 0 | 0.4666667 |
| 18 | 1 | 1.57E+08 | C>T | 0 | 0 | 0 | 0.3266667 |
| 19 | 1 | 1.57E+08 | A>G | 0 | 0 | 0 | 0.3266667 |
| 20 | 1 | 1.58E+08 | T>G | 0 | 0 | 0 | 0 |
| 21 | 1 | 1.58E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 1 | 1.58E+08 | C>T | 0 | 0.463333333 | 0 | 0 |
| 23 | 1 | 1.58E+08 | A>C | 0 | 0 | 0 | 0 |
| 24 | 1 | 1.58E+08 | T>G | 0 | 0.385 | 0 | 0 |
| 25 | 1 | 1.6E+08 | A>G | 0 | 0 | 0 | 0.6466667 |
| 26 | 1 | 1.6E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 27 | 1 | 1.6E+08 | C>T | 0 | 0 | 0 | 0 |
| 28 | 1 | 1.6E+08 | G>T | 0 | 0 | 0 | 0 |
| 29 | 1 | 1.6E+08 | C>T | 0 | 0 | 0 | 0 |
| 30 | 1 | 1.6E+08 | G>A | 0 | 0.606666667 | 0 | 0 |
| 31 | 1 | 1.6E+08 | A>G | 0 | 0 | 0 | 0 |
| 32 | 1 | 1.6E+08 | G>A | 0 | 0 | 0 | 0 |
| 33 | 1 | 1.6E+08 | G>A | 0 | 0 | 0 | 0.6 |
| 34 | 1 | 1.61E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 35 | 1 | 1.61E+08 | T>C | 0 | 0.486666667 | 0 | 0 |
| 36 | 1 | 1.61E+08 | A>G | 0 | 0.345 | 0 | 0 |
| 37 | 1 | 1.61E+08 | C>T | 0 | 0 | 0 | 0.40333333 |
| 38 | 1 | 1.61E+08 | A>T | 0 | 0.351666667 | 0 | 0 |
| 39 | 1 | 1.61E+08 | T>C | 0 | 0 | 0 | 0.43333333 |
| 40 | 1 | 1.61E+08 | A>C | 0 | 0.606666667 | 0 | 0.6466667 |
| 41 | 1 | 1.61E+08 | T>C | 0 | 0 | 0 | 0 |
| 42 | 1 | 1.61E+08 | C>G | 0 | 0.32 | 0 | 0 |
| 43 | 1 | 1.62E+08 | T>C | 0 | 0 | 0.303333333 | 0 |
| 44 | 1 | 1.62E+08 | A>T | 0 | 0 | 0 | 0 |
| 45 | 1 | 1.62E+08 | A>G | 0 | 0 | 0 | 0 |
| 46 | 1 | 1.62E+08 | T>G | 0 | 0.32 | 0 | 0.6666667 |
| 47 | 1 | 1.62E+08 | C>T | 0 | 0.435 | 0 | 0 |
| 48 | 1 | 1.62E+08 | C>A | 0 | 0.333333333 | 0 | 0 |
| 49 | 1 | 1.62E+08 | A>G | 0 | 0 | 0 | 0.33333333 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 1.62E+08 | T>A | 0 | 0.316666667 | 0 | 0.48666667 |
| 2 | 1 | 1.62E+08 | G>C | 0 | 0 | 0 | 0 |
| 3 | 1 | 1.62E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 4 | 1 | 1.62E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 1 | 1.62E+08 | C>T | 0 | 0 | 0 | 0 |
| 6 | 1 | 1.63E+08 | A>G | 0 | 0 | 0.555 | 0 |
| 7 | 1 | 1.63E+08 | C>T | 0 | 0.513333333 | 0 | 0.3266667 |
| 8 | 1 | 1.63E+08 | C>A | 0 | 0 | 0 | 0 |
| 9 | 1 | 1.63E+08 | A>T | 0 | 0 | 0 | 0 |
| 10 | 1 | 1.63E+08 | A>T | 0 | 0 | 0 | 0.4166667 |
| 11 | 1 | 1.63E+08 | A>G | 0 | 0 | 0 | 0 |
| 12 | 1 | 1.63E+08 | G>A | 0 | 0 | 0 | 0 |
| 13 | 1 | 1.63E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 14 | 1 | 1.63E+08 | G>C | 0 | 0.351666667 | 0 | 0 |
| 15 | 1 | 1.65E+08 | A>T | 0 | 0 | 0 | 0 |
| 16 | 1 | 1.65E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 1 | 1.65E+08 | T>C | 0 | 0 | 0.356666667 | 0 |
| 18 | 1 | 1.65E+08 | G>A | 0 | 0 | 0 | 0 |
| 19 | 1 | 1.65E+08 | G>A | 0 | 0 | 0 | 0 |
| 20 | 1 | 1.65E+08 | T>C | 0 | 0 | 0 | 0 |
| 21 | 1 | 1.65E+08 | C>T | 0 | 0 | 0 | 0 |
| 22 | 1 | 1.65E+08 | A>G | 0 | 0.435 | 0 | 0.5966667 |
| 23 | 1 | 1.65E+08 | G>C | 0 | 0 | 0 | 0 |
| 24 | 1 | 1.65E+08 | T>C | 0 | 0 | 0 | 0.6133333 |
| 25 | 1 | 1.65E+08 | C>T | 0 | 0 | 0 | 0.5266667 |
| 26 | 1 | 1.65E+08 | A>G | 0 | 0 | 0 | 0 |
| 27 | 1 | 1.66E+08 | C>T | 0 | 0 | 0 | 0.5566667 |
| 28 | 1 | 1.66E+08 | T>C | 0 | 0 | 0 | 0 |
| 29 | 1 | 1.66E+08 | A>G | 0 | 0 | 0.323333333 | 0 |
| 30 | 1 | 1.67E+08 | C>T | 0 | 0 | 0 | 0 |
| 31 | 1 | 1.67E+08 | C>T | 0 | 0.686666667 | 0 | 0.3133333 |
| 32 | 1 | 1.67E+08 | A>C | 0 | 0 | 0.37 | 0.8 |
| 33 | 1 | 1.67E+08 | T>C | 0 | 0.405 | 0 | 0 |
| 34 | 1 | 1.68E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 35 | 1 | 1.68E+08 | T>C | 0 | 0.37 | 0 | 0.3833333 |
| 36 | 1 | 1.68E+08 | A>T | 0 | 0.32 | 0 | 0 |
| 37 | 1 | 1.68E+08 | C>A | 0 | 0.37 | 0 | 0 |
| 38 | 1 | 1.68E+08 | G>A | 0 | 0.323333333 | 0 | 0 |
| 39 | 1 | 1.68E+08 | C>A | 0 | 0.513333333 | 0 | 0 |
| 40 | 1 | 1.69E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 41 | 1 | 1.69E+08 | T>C | 0 | 0 | 0 | 0.6666667 |
| 42 | 1 | 1.69E+08 | T>A | 0 | 0.521666667 | 0 | 0 |
| 43 | 1 | 1.69E+08 | G>T | 0 | 0 | 0 | 0 |
| 44 | 1 | 1.69E+08 | A>G | 0 | 0 | 0 | 0 |
| 45 | 1 | 1.69E+08 | T>G | 0 | 0.385 | 0.416666667 | 0 |
| 46 | 1 | 1.69E+08 | A>T | 0 | 0.455 | 0 | 0.3933333 |
| 47 | 1 | 1.69E+08 | T>C | 0 | 0 | 0 | 0.3333333 |
| 48 | 1 | 1.7E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 1 | 1.7E+08 | C>A | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 1 | 1.7E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1 | 1.7E+08 | A>T | 0 | 0 | 0 | 0 |
| 3 | 1 | 1.7E+08 | T>C | 0 | 0 | 0 | 0 |
| 4 | 1 | 1.7E+08 | A>T | 0 | 0.3133333333 | 0 | 0 |
| 5 | 1 | 1.7E+08 | C>A | 0 | 0 | 0 | 0.55666667 |
| 6 | 1 | 1.7E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 7 | 1 | 1.7E+08 | A>C | 0 | 0.416666667 | 0 | 0 |
| 8 | 1 | 1.7E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 9 | 1 | 1.71E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 10 | 1 | 1.71E+08 | G>C | 0 | 0.3433333333 | 0 | 0 |
| 11 | 1 | 1.71E+08 | T>C | 0 | 0.3233333333 | 0 | 0 |
| 12 | 1 | 1.71E+08 | A>T | 0 | 0 | 0 | 0.68666667 |
| 13 | 1 | 1.72E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 14 | 1 | 1.72E+08 | T>C | 0 | 0 | 0 | 0 |
| 15 | 1 | 1.72E+08 | A>T | 0 | 0 | 0 | 0.64 |
| 16 | 1 | 1.72E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 1 | 1.72E+08 | C>T | 0 | 0.4 | 0 | 0.33333333 |
| 18 | 1 | 1.72E+08 | C>A | 0 | 0.476666667 | 0 | 0.33333333 |
| 19 | 1 | 1.72E+08 | G>T | 0 | 0.476666667 | 0 | 0 |
| 20 | 1 | 1.72E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 21 | 1 | 1.72E+08 | G>A | 0 | 0.3133333333 | 0 | 0 |
| 22 | 1 | 1.72E+08 | G>T | 0 | 0 | 0 | 0 |
| 23 | 1 | 1.72E+08 | G>A | 0 | 0 | 0 | 0.50666667 |
| 24 | 1 | 1.72E+08 | A>T | 0 | 0 | 0 | 0.59666667 |
| 25 | 1 | 1.72E+08 | A>T | 0 | 0 | 0 | 0 |
| 26 | 1 | 1.72E+08 | C>T | 0 | 0 | 0 | 0.41666667 |
| 27 | 1 | 1.72E+08 | G>A | 0 | 0 | 0 | 0 |
| 28 | 1 | 1.72E+08 | C>A | 0 | 0.435 | 0 | 0 |
| 29 | 1 | 1.72E+08 | T>G | 0 | 0 | 0 | 0 |
| 30 | 1 | 1.72E+08 | C>G | 0 | 0.555 | 0 | 0 |
| 31 | 1 | 1.72E+08 | T>C | 0 | 0 | 0 | 0.52666667 |
| 32 | 1 | 1.72E+08 | A>T | 0 | 0.526666667 | 0 | 0 |
| 33 | 1 | 1.72E+08 | T>C | 0 | 0.5 | 0 | 0 |
| 34 | 1 | 1.73E+08 | T>C | 0 | 0 | 0 | 0.35 |
| 35 | 1 | 1.73E+08 | G>A | 0 | 0 | 0 | 0.58666667 |
| 36 | 1 | 1.73E+08 | G>T | 0 | 0 | 0 | 0 |
| 37 | 1 | 1.73E+08 | C>A | 0 | 0 | 0 | 0.71333333 |
| 38 | 1 | 1.73E+08 | G>A | 0 | 0 | 0 | 0 |
| 39 | 1 | 1.74E+08 | A>G | 0 | 0 | 0.3333333333 | 0.32333333 |
| 40 | 1 | 1.74E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 1 | 1.74E+08 | A>C | 0 | 0.695 | 0 | 0 |
| 42 | 1 | 1.74E+08 | G>A | 0 | 0.49 | 0 | 0 |
| 43 | 1 | 1.74E+08 | G>A | 0 | 0 | 0 | 0.62666667 |
| 44 | 1 | 1.74E+08 | G>A | 0 | 0 | 0 | 0 |
| 45 | 1 | 1.74E+08 | A>G | 0 | 0 | 0 | 0.50666667 |
| 46 | 1 | 1.74E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 47 | 1 | 1.74E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 48 | 1 | 1.74E+08 | A>G | 0 | 0 | 0 | 0.37 |
| 49 | 1 | 1.74E+08 | T>A | 0 | 0 | 0 | 0.33333333 |

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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 1 | 1.74E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1 | 1.74E+08 | C>T | 0 | 0 | 0 | 0.50666667 |
| 3 | 1 | 1.74E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 1 | 1.75E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 1 | 1.75E+08 | G>A | 0 | 0 | 0 | 0.60666667 |
| 6 | 1 | 1.75E+08 | A>G | 0 | 0.3083333333 | 0 | 0 |
| 7 | 1 | 1.75E+08 | C>G | 0 | 0.435 | 0 | 0 |
| 8 | 1 | 1.75E+08 | A>C | 0 | 0.3333333333 | 0 | 0 |
| 9 | 1 | 1.75E+08 | T>C | 0 | 0 | 0 | 0 |
| 10 | 1 | 1.75E+08 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 11 | 1 | 1.75E+08 | C>G | 0 | 0 | 0 | 0 |
| 12 | 1 | 1.75E+08 | G>A | 0 | 0 | 0 | 0.38 |
| 13 | 1 | 1.75E+08 | T>C | 0 | 0.6133333333 | 0 | 0 |
| 14 | 1 | 1.75E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 15 | 1 | 1.75E+08 | A>T | 0 | 0 | 0 | 0 |
| 16 | 1 | 1.75E+08 | T>C | 0 | 0.3033333333 | 0 | 0 |
| 17 | 1 | 1.75E+08 | T>C | 0 | 0.7783333333 | 0 | 0.47666667 |
| 18 | 1 | 1.76E+08 | A>C | 0 | 0.4933333333 | 0 | 0 |
| 19 | 1 | 1.76E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 20 | 1 | 1.76E+08 | G>C | 0 | 0 | 0 | 0 |
| 21 | 1 | 1.76E+08 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 22 | 1 | 1.76E+08 | T>A | 0 | 0 | 0 | 0 |
| 23 | 1 | 1.76E+08 | G>C | 0 | 0 | 0 | 0 |
| 24 | 1 | 1.77E+08 | T>G | 0 | 0 | 0 | 0 |
| 25 | 1 | 1.77E+08 | C>T | 0 | 0.6066666667 | 0 | 0 |
| 26 | 1 | 1.77E+08 | C>T | 0 | 0 | 0 | 0 |
| 27 | 1 | 1.77E+08 | G>T | 0 | 0 | 0 | 0 |
| 28 | 1 | 1.77E+08 | T>A | 0 | 0.3516666667 | 0 | 0 |
| 29 | 1 | 1.77E+08 | T>C | 0 | 0 | 0 | 0 |
| 30 | 1 | 1.77E+08 | G>T | 0 | 0 | 0 | 0 |
| 31 | 1 | 1.77E+08 | T>C | 0 | 0 | 0 | 0 |
| 32 | 1 | 1.78E+08 | C>T | 0 | 0.3033333333 | 0 | 0 |
| 33 | 1 | 1.78E+08 | T>C | 0 | 0 | 0 | 0 |
| 34 | 1 | 1.78E+08 | A>G | 0 | 0.455 | 0 | 0.47666667 |
| 35 | 1 | 1.78E+08 | A>C | 0 | 0 | 0 | 0 |
| 36 | 1 | 1.78E+08 | C>T | 0 | 0 | 0 | 0.39333333 |
| 37 | 1 | 1.78E+08 | T>C | 0 | 0.3466666667 | 0 | 0.51333333 |
| 38 | 1 | 1.78E+08 | A>G | 0 | 0.3166666667 | 0.3233333333 | 0.56666667 |
| 39 | 1 | 1.79E+08 | G>C | 0 | 0 | 0 | 0.37 |
| 40 | 1 | 1.79E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 1 | 1.79E+08 | C>T | 0 | 0 | 0 | 0 |
| 42 | 1 | 1.79E+08 | C>T | 0 | 0 | 0.4483333333 | 0 |
| 43 | 1 | 1.79E+08 | T>C | 0 | 0 | 0 | 0 |
| 44 | 1 | 1.79E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 45 | 1 | 1.79E+08 | G>A | 0 | 0 | 0 | 0 |
| 46 | 1 | 1.79E+08 | T>C | 0 | 0 | 0 | 0 |
| 47 | 1 | 1.79E+08 | T>C | 0 | 0 | 0 | 0.46333333 |
| 48 | 1 | 1.8E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 1 | 1.8E+08 | A>G | 0 | 0 | 0 | 0.45 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 1.8E+08 | A>G | 0 | 0 | 0 | 0.57333333 |
| 2 | 1 | 1.8E+08 | A>G | 0 | 0.345 | 0 | 0 |
| 3 | 1 | 1.8E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 1 | 1.8E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 1 | 1.8E+08 | G>C | 0 | 0 | 0 | 0 |
| 6 | 1 | 1.8E+08 | G>C | 0 | 0.5 | 0 | 0 |
| 7 | 1 | 1.8E+08 | A>G | 0 | 0 | 0 | 0 |
| 8 | 1 | 1.8E+08 | C>T | 0 | 0 | 0.361666667 | 0 |
| 9 | 1 | 1.8E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 10 | 1 | 1.8E+08 | A>G | 0 | 0.506666667 | 0 | 0 |
| 11 | 1 | 1.8E+08 | A>T | 0 | 0.316666667 | 0 | 0.4766667 |
| 12 | 1 | 1.8E+08 | C>G | 0 | 0.476666667 | 0 | 0 |
| 13 | 1 | 1.8E+08 | G>A | 0 | 0.555 | 0 | 0.34333333 |
| 14 | 1 | 1.8E+08 | C>T | 0 | 0 | 0 | 0 |
| 15 | 1 | 1.8E+08 | C>T | 0 | 0 | 0 | 0 |
| 16 | 1 | 1.81E+08 | T>C | 0 | 0 | 0 | 0.6666667 |
| 17 | 1 | 1.81E+08 | T>C | 0 | 0 | 0 | 0.38333333 |
| 18 | 1 | 1.81E+08 | G>A | 0 | 0.476666667 | 0 | 0 |
| 19 | 1 | 1.81E+08 | T>C | 0 | 0.306666667 | 0 | 0.44 |
| 20 | 1 | 1.81E+08 | T>G | 0 | 0.391666667 | 0 | 0 |
| 21 | 1 | 1.81E+08 | T>G | 0 | 0 | 0 | 0.4066667 |
| 22 | 1 | 1.81E+08 | T>C | 0 | 0.5 | 0 | 0 |
| 23 | 1 | 1.81E+08 | A>C | 0 | 0 | 0 | 0 |
| 24 | 1 | 1.82E+08 | C>T | 0 | 0.49 | 0 | 0 |
| 25 | 1 | 1.83E+08 | A>G | 0 | 0 | 0 | 0 |
| 26 | 1 | 1.83E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 27 | 1 | 1.83E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 28 | 1 | 1.83E+08 | A>G | 0 | 0 | 0 | 0 |
| 29 | 1 | 1.83E+08 | G>A | 0 | 0 | 0 | 0.4166667 |
| 30 | 1 | 1.83E+08 | A>G | 0 | 0 | 0 | 0.5 |
| 31 | 1 | 1.83E+08 | T>C | 0 | 0.438333333 | 0.37 | 0.5566667 |
| 32 | 1 | 1.83E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 33 | 1 | 1.83E+08 | A>G | 0 | 0 | 0.393333333 | 0 |
| 34 | 1 | 1.83E+08 | T>C | 0 | 0 | 0 | 0.30333333 |
| 35 | 1 | 1.83E+08 | C>T | 0 | 0 | 0 | 1 |
| 36 | 1 | 1.83E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 37 | 1 | 1.83E+08 | C>T | 0 | 0 | 0 | 0.69333333 |
| 38 | 1 | 1.83E+08 | A>C | 0 | 0 | 0 | 0.38 |
| 39 | 1 | 1.83E+08 | A>G | 0 | 0 | 0 | 0 |
| 40 | 1 | 1.84E+08 | A>T | 0 | 0 | 0.353333333 | 0.38333333 |
| 41 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0.6266667 |
| 42 | 1 | 1.84E+08 | G>T | 0 | 0.5 | 0 | 0 |
| 43 | 1 | 1.84E+08 | A>G | 0 | 0 | 0 | 0.51333333 |
| 44 | 1 | 1.84E+08 | A>G | 0 | 0.513333333 | 0 | 0.35 |
| 45 | 1 | 1.84E+08 | C>A | 0 | 0.606666667 | 0 | 0 |
| 46 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0.5966667 |
| 47 | 1 | 1.84E+08 | G>A | 0 | 0.448333333 | 0 | 0.34333333 |
| 48 | 1 | 1.84E+08 | A>G | 0 | 0 | 0 | 0.33333333 |
| 49 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 50 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 51 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 52 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 53 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 54 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 55 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 56 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 57 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 58 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 59 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 60 | 1 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 1.85E+08 | A>G | 0 | 0 | 0.346666667 | 0 |
| 2 | 1 | 1.85E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 3 | 1 | 1.85E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 4 | 1 | 1.85E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 5 | 1 | 1.85E+08 | A>G | 0 | 0 | 0 | 0 |
| 6 | 1 | 1.85E+08 | A>G | 0 | 0.32 | 0 | 0 |
| 7 | 1 | 1.85E+08 | A>G | 0 | 0.431666667 | 0 | 0 |
| 8 | 1 | 1.85E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 9 | 1 | 1.85E+08 | A>C | 0 | 0 | 0.555 | 0 |
| 10 | 1 | 1.85E+08 | G>A | 0 | 0 | 0.476666667 | 0 |
| 11 | 1 | 1.85E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 12 | 1 | 1.85E+08 | A>G | 0 | 0 | 0 | 0.6133333 |
| 13 | 1 | 1.85E+08 | C>T | 0 | 0 | 0 | 0.4766667 |
| 14 | 1 | 1.86E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 15 | 1 | 1.86E+08 | G>T | 0 | 0.333333333 | 0 | 0 |
| 16 | 1 | 1.86E+08 | G>C | 0 | 0 | 0 | 0 |
| 17 | 1 | 1.86E+08 | A>G | 0 | 0.43 | 0 | 0 |
| 18 | 1 | 1.86E+08 | A>G | 0 | 0.513333333 | 0 | 0.4766667 |
| 19 | 1 | 1.87E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 20 | 1 | 1.9E+08 | G>C | 0 | 0.555 | 0 | 0 |
| 21 | 1 | 1.9E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 22 | 1 | 1.9E+08 | T>G | 0 | 0 | 0 | 0 |
| 23 | 1 | 1.9E+08 | C>A | 0 | 0 | 0 | 0 |
| 24 | 1 | 1.9E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 25 | 1 | 1.9E+08 | T>G | 0 | 0.513333333 | 0 | 0 |
| 26 | 1 | 1.9E+08 | C>G | 0 | 0 | 0 | 0 |
| 27 | 1 | 1.93E+08 | G>A | 0 | 0 | 0 | 0 |
| 28 | 1 | 1.93E+08 | A>G | 0 | 0 | 0.351666667 | 0 |
| 29 | 1 | 1.93E+08 | T>C | 0 | 0 | 0 | 0.5 |
| 30 | 1 | 1.96E+08 | T>G | 0 | 0.333333333 | 0 | 0.3233333 |
| 31 | 1 | 1.96E+08 | G>A | 0 | 0 | 0 | 0.4433333 |
| 32 | 1 | 1.97E+08 | A>C | 0 | 0 | 0.303333333 | 0 |
| 33 | 1 | 1.97E+08 | C>A | 0 | 0 | 0 | 0.52 |
| 34 | 1 | 1.97E+08 | A>G | 0 | 0.438333333 | 0 | 0.3033333 |
| 35 | 1 | 1.97E+08 | A>C | 0 | 0.316666667 | 0 | 0 |
| 36 | 1 | 1.97E+08 | T>C | 0 | 0.588333333 | 0 | 0 |
| 37 | 1 | 1.97E+08 | A>G | 0 | 0.356666667 | 0 | 0.6666667 |
| 38 | 1 | 1.98E+08 | G>A | 0 | 0 | 0 | 0 |
| 39 | 1 | 1.98E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 40 | 1 | 1.98E+08 | C>T | 0 | 0 | 0 | 0 |
| 41 | 1 | 1.98E+08 | G>A | 0 | 0.476666667 | 0 | 0 |
| 42 | 1 | 1.98E+08 | T>A | 0 | 0 | 0 | 0.3833333 |
| 43 | 1 | 2E+08 | T>A | 0 | 0 | 0 | 0 |
| 44 | 1 | 2E+08 | T>C | 0 | 0.308333333 | 0 | 0 |
| 45 | 1 | 2E+08 | C>G | 0 | 0.493333333 | 0 | 0 |
| 46 | 1 | 2.01E+08 | T>A | 0 | 0 | 0 | 0.4333333 |
| 47 | 1 | 2.02E+08 | A>G | 0 | 0.521666667 | 0 | 0 |
| 48 | 1 | 2.02E+08 | C>T | 0 | 0.463333333 | 0 | 0 |
| 49 | 1 | 2.02E+08 | G>A | 0 | 0 | 0 | 0.5333333 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 2.02E+08 | G>A | 0 | 0.346666667 | 0 | 0 |
| 2 | 1 | 2.02E+08 | A>G | 0 | 0.303333333 | 0 | 0.59666667 |
| 3 | 1 | 2.02E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 4 | 1 | 2.03E+08 | C>T | 0 | 0 | 0 | 0.42666667 |
| 5 | 1 | 2.03E+08 | T>C | 0 | 0 | 0 | 0.62666667 |
| 6 | 1 | 2.03E+08 | A>G | 0 | 0.445 | 0.388333333 | 0 |
| 7 | 1 | 2.03E+08 | T>C | 0 | 0 | 0 | 0 |
| 8 | 1 | 2.03E+08 | A>G | 0 | 0 | 0 | 0 |
| 9 | 1 | 2.04E+08 | G>A | 0 | 0.385 | 0 | 0 |
| 10 | 1 | 2.04E+08 | T>C | 0 | 0 | 0 | 0 |
| 11 | 1 | 2.04E+08 | C>T | 0 | 0 | 0 | 0.69 |
| 12 | 1 | 2.04E+08 | T>C | 0 | 0.323333333 | 0 | 0 |
| 13 | 1 | 2.04E+08 | T>A | 0 | 0.606666667 | 0 | 0 |
| 14 | 1 | 2.04E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 15 | 1 | 2.04E+08 | C>T | 0 | 0.486666667 | 0 | 0.62666667 |
| 16 | 1 | 2.04E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 1 | 2.04E+08 | A>G | 0 | 0 | 0 | 0 |
| 18 | 1 | 2.04E+08 | T>C | 0 | 0 | 0 | 0.41 |
| 19 | 1 | 2.04E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 20 | 1 | 2.04E+08 | G>A | 0 | 0.396666667 | 0 | 0 |
| 21 | 1 | 2.05E+08 | C>T | 0 | 0.365 | 0 | 0 |
| 22 | 1 | 2.05E+08 | A>G | 0 | 0.438333333 | 0 | 0.46 |
| 23 | 1 | 2.05E+08 | T>C | 0 | 0 | 0 | 0 |
| 24 | 1 | 2.05E+08 | G>C | 0 | 0 | 0 | 0 |
| 25 | 1 | 2.05E+08 | C>T | 0 | 0 | 0 | 0 |
| 26 | 1 | 2.05E+08 | A>G | 0 | 0 | 0 | 0.66666667 |
| 27 | 1 | 2.05E+08 | C>A | 0 | 0 | 0 | 0.41666667 |
| 28 | 1 | 2.05E+08 | C>T | 0 | 0 | 0 | 0.33333333 |
| 29 | 1 | 2.05E+08 | T>C | 0 | 0 | 0.315 | 0.55666667 |
| 30 | 1 | 2.05E+08 | G>A | 0 | 0.606666667 | 0 | 0 |
| 31 | 1 | 2.05E+08 | C>T | 0 | 0.316666667 | 0 | 0 |
| 32 | 1 | 2.06E+08 | A>C | 0 | 0 | 0 | 0 |
| 33 | 1 | 2.06E+08 | G>C | 0 | 0.313333333 | 0 | 0 |
| 34 | 1 | 2.06E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 35 | 1 | 2.07E+08 | A>G | 0 | 0.376666667 | 0 | 0.33333333 |
| 36 | 1 | 2.07E+08 | T>G | 0 | 0 | 0 | 0.87 |
| 37 | 1 | 2.07E+08 | G>A | 0 | 0 | 0 | 0 |
| 38 | 1 | 2.07E+08 | G>A | 0 | 0 | 0 | 0.47666667 |
| 39 | 1 | 2.07E+08 | C>T | 0 | 0 | 0 | 0.35666667 |
| 40 | 1 | 2.07E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 1 | 2.07E+08 | C>G | 0 | 0.555 | 0 | 0 |
| 42 | 1 | 2.07E+08 | A>G | 0 | 0.583333333 | 0 | 0 |
| 43 | 1 | 2.07E+08 | T>G | 0 | 0.681666667 | 0 | 0.48666667 |
| 44 | 1 | 2.08E+08 | T>C | 0 | 0 | 0 | 0.41666667 |
| 45 | 1 | 2.08E+08 | A>T | 0 | 0.388333333 | 0 | 0 |
| 46 | 1 | 2.08E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 47 | 1 | 2.1E+08 | G>A | 0 | 0.666666667 | 0 | 0 |
| 48 | 1 | 2.1E+08 | G>A | 0 | 0.595 | 0 | 0 |
| 49 | 1 | 2.1E+08 | C>T | 0 | 0 | 0 | 0.69333333 |

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|----|---|----------|-----|---|-------------|------|-----------|
| 1 | 1 | 2.1E+08 | A>C | 0 | 0 | 0 | 0.3433333 |
| 2 | 1 | 2.1E+08 | T>G | 0 | 0.316666667 | 0 | 0 |
| 3 | 1 | 2.1E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 1 | 2.11E+08 | A>G | 0 | 0 | 0 | 0.4266667 |
| 5 | 1 | 2.11E+08 | A>C | 0 | 0 | 0 | 0 |
| 6 | 1 | 2.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | 1 | 2.11E+08 | C>T | 0 | 0 | 0 | 0.3933333 |
| 8 | 1 | 2.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 9 | 1 | 2.11E+08 | G>T | 0 | 0 | 0 | 0 |
| 10 | 1 | 2.11E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 11 | 1 | 2.11E+08 | C>A | 0 | 0 | 0 | 0.3333333 |
| 12 | 1 | 2.11E+08 | C>T | 0 | 0.313333333 | 0 | 0.3166667 |
| 13 | 1 | 2.11E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 14 | 1 | 2.11E+08 | C>T | 0 | 0 | 0 | 0 |
| 15 | 1 | 2.11E+08 | C>G | 0 | 0.5 | 0 | 0 |
| 16 | 1 | 2.11E+08 | A>G | 0 | 0.313333333 | 0 | 0 |
| 17 | 1 | 2.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 18 | 1 | 2.11E+08 | T>C | 0 | 0 | 0 | 0.3433333 |
| 19 | 1 | 2.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 20 | 1 | 2.11E+08 | G>A | 0 | 0 | 0 | 0.35 |
| 21 | 1 | 2.11E+08 | A>C | 0 | 0 | 0 | 0 |
| 22 | 1 | 2.11E+08 | C>A | 0 | 0.361666667 | 0 | 0 |
| 23 | 1 | 2.11E+08 | C>A | 0 | 0 | 0 | 0.4333333 |
| 24 | 1 | 2.11E+08 | T>A | 0 | 0 | 0 | 0 |
| 25 | 1 | 2.11E+08 | A>G | 0 | 0 | 0 | 0 |
| 26 | 1 | 2.11E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 27 | 1 | 2.11E+08 | C>T | 0 | 0 | 0.37 | 0 |
| 28 | 1 | 2.11E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 29 | 1 | 2.11E+08 | C>T | 0 | 0.445 | 0 | 0.3933333 |
| 30 | 1 | 2.12E+08 | G>C | 0 | 0.431666667 | 0 | 0 |
| 31 | 1 | 2.12E+08 | C>G | 0 | 0 | 0 | 0.5566667 |
| 32 | 1 | 2.12E+08 | A>G | 0 | 0.513333333 | 0 | 0.3966667 |
| 33 | 1 | 2.12E+08 | C>A | 0 | 0 | 0 | 0.5966667 |
| 34 | 1 | 2.12E+08 | A>C | 0 | 0 | 0 | 0 |
| 35 | 1 | 2.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 36 | 1 | 2.12E+08 | A>G | 0 | 0 | 0 | 0 |
| 37 | 1 | 2.13E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 38 | 1 | 2.13E+08 | C>T | 0 | 0 | 0 | 0.3433333 |
| 39 | 1 | 2.13E+08 | C>T | 0 | 0 | 0 | 0 |
| 40 | 1 | 2.13E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 1 | 2.13E+08 | G>A | 0 | 0 | 0 | 0 |
| 42 | 1 | 2.13E+08 | A>G | 0 | 0.32 | 0 | 0 |
| 43 | 1 | 2.13E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 44 | 1 | 2.13E+08 | A>G | 0 | 0 | 0 | 0.5566667 |
| 45 | 1 | 2.13E+08 | T>C | 0 | 0 | 0 | 0.5933333 |
| 46 | 1 | 2.13E+08 | G>A | 0 | 0.385 | 0 | 0.4433333 |
| 47 | 1 | 2.13E+08 | G>A | 0 | 0.513333333 | 0 | 0.6266667 |
| 48 | 1 | 2.13E+08 | C>T | 0 | 0 | 0 | 0.7566667 |
| 49 | 1 | 2.13E+08 | C>A | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 1 | 2.13E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1 | 2.14E+08 | T>G | 0 | 0 | 0 | 0 |
| 3 | 1 | 2.14E+08 | T>G | 0 | 0 | 0 | 0 |
| 4 | 1 | 2.14E+08 | T>C | 0 | 0.3133333333 | 0 | 0 |
| 5 | 1 | 2.15E+08 | A>G | 0 | 0.53 | 0 | 0 |
| 6 | 1 | 2.15E+08 | T>C | 0 | 0 | 0 | 0.72333333 |
| 7 | 1 | 2.15E+08 | T>G | 0 | 0 | 0 | 0 |
| 8 | 1 | 2.16E+08 | C>T | 0 | 0 | 0 | 0 |
| 9 | 1 | 2.16E+08 | T>C | 0 | 0.346666667 | 0 | 0 |
| 10 | 1 | 2.17E+08 | A>G | 0 | 0.3333333333 | 0 | 0.38333333 |
| 11 | 1 | 2.17E+08 | A>G | 0 | 0 | 0 | 0.95333333 |
| 12 | 1 | 2.17E+08 | C>T | 0 | 0.346666667 | 0 | 0 |
| 13 | 1 | 2.17E+08 | G>C | 0 | 0 | 0 | 0.5866667 |
| 14 | 1 | 2.17E+08 | T>C | 0 | 0 | 0 | 0 |
| 15 | 1 | 2.17E+08 | T>C | 0 | 0 | 0 | 0 |
| 16 | 1 | 2.18E+08 | G>C | 0 | 0 | 0 | 0.4766667 |
| 17 | 1 | 2.18E+08 | C>T | 0 | 0 | 0 | 0 |
| 18 | 1 | 2.18E+08 | T>C | 0 | 0.32 | 0 | 0 |
| 19 | 1 | 2.18E+08 | A>T | 0 | 0 | 0 | 0.4866667 |
| 20 | 1 | 2.19E+08 | A>G | 0 | 0 | 0 | 0 |
| 21 | 1 | 2.19E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 1 | 2.19E+08 | C>A | 0 | 0.555 | 0 | 0 |
| 23 | 1 | 2.2E+08 | C>T | 0 | 0 | 0.345 | 0 |
| 24 | 1 | 2.2E+08 | A>G | 0 | 0.555 | 0.3433333333 | 0 |
| 25 | 1 | 2.2E+08 | C>G | 0 | 0.3333333333 | 0 | 0 |
| 26 | 1 | 2.2E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 27 | 1 | 2.2E+08 | A>C | 0 | 0.476666667 | 0 | 0 |
| 28 | 1 | 2.21E+08 | C>A | 0 | 0.445 | 0 | 0.71333333 |
| 29 | 1 | 2.21E+08 | G>A | 0 | 0 | 0 | 0.5366667 |
| 30 | 1 | 2.21E+08 | G>A | 0 | 0 | 0 | 0.52 |
| 31 | 1 | 2.21E+08 | C>G | 0 | 0.715 | 0 | 0 |
| 32 | 1 | 2.21E+08 | G>A | 0 | 0 | 0 | 0 |
| 33 | 1 | 2.21E+08 | C>T | 0 | 0.8333333333 | 0 | 0.98 |
| 34 | 1 | 2.21E+08 | A>G | 0 | 0.5 | 0 | 0.37 |
| 35 | 1 | 2.22E+08 | A>G | 0 | 0 | 0 | 0.86333333 |
| 36 | 1 | 2.22E+08 | A>T | 0 | 0 | 0 | 0 |
| 37 | 1 | 2.23E+08 | C>T | 0 | 0 | 0 | 0 |
| 38 | 1 | 2.23E+08 | G>C | 0 | 0 | 0 | 0 |
| 39 | 1 | 2.23E+08 | C>T | 0 | 0 | 0 | 0.6466667 |
| 40 | 1 | 2.23E+08 | T>A | 0 | 0 | 0 | 0 |
| 41 | 1 | 2.23E+08 | G>C | 0 | 0 | 0 | 0.79333333 |
| 42 | 1 | 2.24E+08 | G>A | 0 | 0 | 0 | 0 |
| 43 | 1 | 2.24E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 44 | 1 | 2.24E+08 | G>A | 0 | 0.351666667 | 0 | 0 |
| 45 | 1 | 2.24E+08 | C>T | 0 | 0.445 | 0 | 0.35333333 |
| 46 | 1 | 2.24E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 47 | 1 | 2.24E+08 | A>G | 0 | 0 | 0 | 0.3166667 |
| 48 | 1 | 2.25E+08 | C>T | 0 | 0.416666667 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 2.25E+08 | G>A | 0 | 0 | 0 | 0.4633333 |
| 2 | 1 | 2.25E+08 | A>G | 0 | 0 | 0 | 0.3566667 |
| 3 | 1 | 2.25E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 1 | 2.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 5 | 1 | 2.25E+08 | T>A | 0 | 0 | 0 | 0 |
| 6 | 1 | 2.25E+08 | A>G | 0 | 0 | 0 | 0.38 |
| 7 | 1 | 2.26E+08 | G>A | 0 | 0 | 0 | 0 |
| 8 | 1 | 2.26E+08 | T>C | 0 | 0 | 0 | 0 |
| 9 | 1 | 2.26E+08 | A>G | 0 | 0 | 0 | 0 |
| 10 | 1 | 2.26E+08 | C>T | 0 | 0 | 0 | 0 |
| 11 | 1 | 2.27E+08 | C>G | 0 | 0 | 0 | 0.5966667 |
| 12 | 1 | 2.27E+08 | T>C | 0 | 0 | 0 | 0 |
| 13 | 1 | 2.27E+08 | C>T | 0 | 0 | 0 | 0 |
| 14 | 1 | 2.27E+08 | A>C | 0 | 0 | 0 | 0.4633333 |
| 15 | 1 | 2.27E+08 | T>C | 0 | 0.316666667 | 0 | 0 |
| 16 | 1 | 2.27E+08 | A>G | 0 | 0.446666667 | 0 | 0 |
| 17 | 1 | 2.27E+08 | T>C | 0 | 0 | 0.333333333 | 0.6333333 |
| 18 | 1 | 2.27E+08 | A>T | 0 | 0.313333333 | 0 | 0 |
| 19 | 1 | 2.27E+08 | G>A | 0 | 0.58 | 0 | 0 |
| 20 | 1 | 2.27E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 21 | 1 | 2.27E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 1 | 2.28E+08 | T>G | 0 | 0.37 | 0 | 0 |
| 23 | 1 | 2.28E+08 | G>C | 0 | 0.476666667 | 0 | 0 |
| 24 | 1 | 2.28E+08 | A>T | 0 | 0.351666667 | 0 | 0 |
| 25 | 1 | 2.28E+08 | G>T | 0 | 0 | 0 | 0 |
| 26 | 1 | 2.28E+08 | G>C | 0 | 0 | 0 | 0 |
| 27 | 1 | 2.28E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 28 | 1 | 2.29E+08 | A>G | 0 | 0 | 0 | 0 |
| 29 | 1 | 2.29E+08 | T>C | 0 | 0 | 0 | 0.36 |
| 30 | 1 | 2.3E+08 | C>T | 0 | 0 | 0 | 0.7066667 |
| 31 | 1 | 2.3E+08 | G>T | 0 | 0 | 0 | 0 |
| 32 | 1 | 2.3E+08 | A>G | 0 | 0.313333333 | 0 | 0.37 |
| 33 | 1 | 2.3E+08 | G>A | 0 | 0 | 0 | 0.4333333 |
| 34 | 1 | 2.3E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 35 | 1 | 2.31E+08 | T>C | 0 | 0 | 0 | 0.7333333 |
| 36 | 1 | 2.31E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 37 | 1 | 2.31E+08 | A>G | 0 | 0.356666667 | 0 | 0.3233333 |
| 38 | 1 | 2.32E+08 | T>C | 0 | 0 | 0 | 0 |
| 39 | 1 | 2.32E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 40 | 1 | 2.32E+08 | C>T | 0 | 0 | 0 | 0 |
| 41 | 1 | 2.32E+08 | C>T | 0 | 0 | 0 | 0 |
| 42 | 1 | 2.33E+08 | T>C | 0 | 0 | 0 | 0 |
| 43 | 1 | 2.33E+08 | G>A | 0 | 0 | 0 | 0 |
| 44 | 1 | 2.33E+08 | T>G | 0 | 0.346666667 | 0 | 0 |
| 45 | 1 | 2.33E+08 | C>T | 0 | 0.313333333 | 0 | 0 |
| 46 | 1 | 2.33E+08 | C>T | 0 | 0 | 0 | 0 |
| 47 | 1 | 2.33E+08 | A>G | 0 | 0 | 0 | 0 |
| 48 | 1 | 2.33E+08 | A>C | 0 | 0 | 0 | 0.5066667 |
| 49 | 1 | 2.33E+08 | G>A | 0 | 0.476666667 | 0 | 0 |

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|----|---|----------|-----|---|--------------|--------------|-----------|
| 1 | 1 | 2.34E+08 | A>G | 0 | 0 | 0 | 0.4633333 |
| 2 | 1 | 2.34E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 1 | 2.34E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 1 | 2.34E+08 | A>G | 0 | 0 | 0.3333333333 | 0.4266667 |
| 5 | 1 | 2.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 6 | 1 | 2.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | 1 | 2.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 8 | 1 | 2.34E+08 | T>G | 0 | 0 | 0.326666667 | 0 |
| 9 | 1 | 2.35E+08 | T>C | 0 | 0 | 0 | 0 |
| 10 | 1 | 2.35E+08 | A>G | 0 | 0.345 | 0 | 0 |
| 11 | 1 | 2.35E+08 | A>G | 0 | 0.4 | 0 | 0 |
| 12 | 1 | 2.35E+08 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 13 | 1 | 2.35E+08 | G>A | 0 | 0 | 0 | 0 |
| 14 | 1 | 2.35E+08 | C>G | 0 | 0 | 0 | 0 |
| 15 | 1 | 2.35E+08 | T>C | 0 | 0 | 0 | 0 |
| 16 | 1 | 2.35E+08 | T>A | 0 | 0 | 0 | 0 |
| 17 | 1 | 2.35E+08 | T>C | 0 | 0 | 0 | 0 |
| 18 | 1 | 2.35E+08 | A>G | 0 | 0.366666667 | 0 | 0 |
| 19 | 1 | 2.36E+08 | A>G | 0 | 0 | 0 | 0.38 |
| 20 | 1 | 2.36E+08 | C>A | 0 | 0.476666667 | 0 | 0 |
| 21 | 1 | 2.36E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 1 | 2.36E+08 | G>A | 0 | 0 | 0 | 0 |
| 23 | 1 | 2.36E+08 | C>T | 0 | 0 | 0 | 0 |
| 24 | 1 | 2.36E+08 | C>G | 0 | 0.3333333333 | 0 | 0.5 |
| 25 | 1 | 2.36E+08 | G>A | 0 | 0 | 0 | 0.7833333 |
| 26 | 1 | 2.36E+08 | C>T | 0 | 0 | 0 | 0.3633333 |
| 27 | 1 | 2.36E+08 | A>T | 0 | 0 | 0 | 0.7133333 |
| 28 | 1 | 2.36E+08 | T>C | 0 | 0 | 0 | 0.4766667 |
| 29 | 1 | 2.36E+08 | A>G | 0 | 0 | 0 | 0.49 |
| 30 | 1 | 2.36E+08 | T>G | 0 | 0.416666667 | 0 | 0 |
| 31 | 1 | 2.36E+08 | T>G | 0 | 0.606666667 | 0 | 0 |
| 32 | 1 | 2.36E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 33 | 1 | 2.36E+08 | C>T | 0 | 0 | 0 | 0 |
| 34 | 1 | 2.36E+08 | A>C | 0 | 0.351666667 | 0 | 0 |
| 35 | 1 | 2.36E+08 | G>T | 0 | 0 | 0 | 0 |
| 36 | 1 | 2.36E+08 | T>C | 0 | 0.3783333333 | 0 | 0 |
| 37 | 1 | 2.36E+08 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 38 | 1 | 2.37E+08 | G>T | 0 | 0 | 0 | 0 |
| 39 | 1 | 2.37E+08 | A>T | 0 | 0 | 0 | 0 |
| 40 | 1 | 2.37E+08 | C>A | 0 | 0 | 0 | 0 |
| 41 | 1 | 2.37E+08 | T>C | 0 | 0 | 0 | 0.5 |
| 42 | 1 | 2.37E+08 | A>G | 0 | 0 | 0 | 0 |
| 43 | 1 | 2.37E+08 | C>T | 0 | 0.555 | 0 | 1 |
| 44 | 1 | 2.37E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 45 | 1 | 2.37E+08 | T>C | 0 | 0 | 0 | 0.3633333 |
| 46 | 1 | 2.37E+08 | C>T | 0 | 0 | 0 | 0.3033333 |
| 47 | 1 | 2.38E+08 | T>C | 0 | 0.466666667 | 0 | 0.37 |
| 48 | 1 | 2.38E+08 | A>G | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 2.38E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 2 | 1 | 2.38E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 3 | 1 | 2.38E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 4 | 1 | 2.38E+08 | A>G | 0 | 0 | 0 | 0.3566667 |
| 5 | 1 | 2.4E+08 | A>G | 0 | 0 | 0 | 0 |
| 6 | 1 | 2.4E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 7 | 1 | 2.4E+08 | A>G | 0 | 0 | 0 | 0 |
| 8 | 1 | 2.4E+08 | G>C | 0 | 0.333333333 | 0 | 0 |
| 9 | 1 | 2.4E+08 | C>T | 0 | 0.416666667 | 0 | 0.4933333 |
| 10 | 1 | 2.4E+08 | T>C | 0 | 0 | 0 | 0 |
| 11 | 1 | 2.41E+08 | A>T | 0 | 0.4 | 0 | 0 |
| 12 | 1 | 2.41E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 13 | 1 | 2.41E+08 | G>A | 0 | 0.58 | 0 | 0 |
| 14 | 1 | 2.41E+08 | C>T | 0 | 0 | 0 | 0 |
| 15 | 1 | 2.41E+08 | A>T | 0 | 0.521666667 | 0 | 0 |
| 16 | 1 | 2.41E+08 | A>G | 0 | 0 | 0 | 0.6466667 |
| 17 | 1 | 2.41E+08 | A>C | 0 | 0 | 0.346666667 | 0 |
| 18 | 1 | 2.41E+08 | G>A | 0 | 0 | 0 | 0 |
| 19 | 1 | 2.41E+08 | A>C | 0 | 0.346666667 | 0 | 0.4533333 |
| 20 | 1 | 2.41E+08 | T>A | 0 | 0.5 | 0 | 0 |
| 21 | 1 | 2.42E+08 | A>G | 0 | 0 | 0 | 0.3966667 |
| 22 | 1 | 2.42E+08 | A>G | 0 | 0 | 0 | 0.6466667 |
| 23 | 1 | 2.42E+08 | T>C | 0 | 0.606666667 | 0 | 0 |
| 24 | 1 | 2.42E+08 | C>G | 0 | 0.58 | 0 | 0.4766667 |
| 25 | 1 | 2.42E+08 | G>A | 0 | 0.32 | 0 | 0 |
| 26 | 1 | 2.42E+08 | C>T | 0 | 0 | 0 | 0.3166667 |
| 27 | 1 | 2.42E+08 | C>T | 0 | 0 | 0 | 0 |
| 28 | 1 | 2.42E+08 | G>A | 0 | 0 | 0 | 0 |
| 29 | 1 | 2.42E+08 | G>C | 0 | 0 | 0 | 0 |
| 30 | 1 | 2.42E+08 | T>C | 0 | 0 | 0 | 0.6666667 |
| 31 | 1 | 2.42E+08 | A>G | 0 | 0 | 0 | 0.4166667 |
| 32 | 1 | 2.42E+08 | G>A | 0 | 0.513333333 | 0 | 0 |
| 33 | 1 | 2.42E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 34 | 1 | 2.43E+08 | C>T | 0 | 0.396666667 | 0 | 0.58 |
| 35 | 1 | 2.43E+08 | T>C | 0 | 0.316666667 | 0 | 0 |
| 36 | 1 | 2.43E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 1 | 2.43E+08 | T>C | 0 | 0.455 | 0 | 0.43 |
| 38 | 1 | 2.43E+08 | A>G | 0 | 0.313333333 | 0 | 0 |
| 39 | 1 | 2.44E+08 | G>C | 0 | 0 | 0 | 0 |
| 40 | 1 | 2.44E+08 | A>C | 0 | 0 | 0 | 0 |
| 41 | 1 | 2.44E+08 | A>C | 0 | 0 | 0 | 0 |
| 42 | 1 | 2.44E+08 | G>A | 0 | 0.361666667 | 0 | 0 |
| 43 | 1 | 2.44E+08 | T>C | 0 | 0 | 0 | 0 |
| 44 | 1 | 2.44E+08 | C>A | 0 | 0 | 0 | 0.3033333 |
| 45 | 1 | 2.44E+08 | A>G | 0 | 0 | 0.303333333 | 0 |
| 46 | 1 | 2.44E+08 | C>T | 0 | 0 | 0 | 0.3233333 |
| 47 | 1 | 2.44E+08 | A>T | 0 | 0 | 0 | 0 |
| 48 | 1 | 2.44E+08 | T>C | 0 | 0.555 | 0 | 0.4166667 |
| 49 | 1 | 2.44E+08 | A>G | 0 | 0.356666667 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | 1 | 2.45E+08 | T>C | 0 | 0.32 | 0 | 0 |
| 2 | 1 | 2.45E+08 | G>A | 0 | 0.333333333 | 0 | 0.53333333 |
| 3 | 1 | 2.45E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 4 | 1 | 2.45E+08 | G>A | 0 | 0 | 0 | 0 |
| 5 | 1 | 2.45E+08 | T>C | 0 | 0 | 0 | 0 |
| 6 | 1 | 2.45E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 7 | 1 | 2.45E+08 | T>C | 0 | 0.391666667 | 0 | 0.63333333 |
| 8 | 1 | 2.45E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 9 | 1 | 2.45E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 10 | 1 | 2.45E+08 | C>T | 0 | 0 | 0 | 0.51333333 |
| 11 | 1 | 2.45E+08 | G>C | 0 | 0 | 0.548333333 | 0 |
| 12 | 1 | 2.45E+08 | T>A | 0 | 0 | 0 | 0 |
| 13 | 1 | 2.45E+08 | T>C | 0 | 0 | 0 | 0 |
| 14 | 1 | 2.45E+08 | G>A | 0 | 0 | 0 | 0.54 |
| 15 | 1 | 2.45E+08 | C>T | 0 | 0 | 0 | 0.39333333 |
| 16 | 1 | 2.45E+08 | A>T | 0 | 0.351666667 | 0 | 0 |
| 17 | 1 | 2.45E+08 | C>T | 0 | 0 | 0 | 0.43 |
| 18 | 1 | 2.45E+08 | A>G | 0 | 0 | 0 | 0.43 |
| 19 | 1 | 2.45E+08 | T>C | 0 | 0.435 | 0 | 0 |
| 20 | 1 | 2.45E+08 | C>T | 0 | 0 | 0 | 0.33333333 |
| 21 | 1 | 2.45E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 22 | 1 | 2.45E+08 | G>A | 0 | 0 | 0 | 0 |
| 23 | 1 | 2.45E+08 | A>G | 0 | 0 | 0 | 0.43 |
| 24 | 1 | 2.45E+08 | A>G | 0 | 0.316666667 | 0 | 0 |
| 25 | 1 | 2.45E+08 | T>C | 0 | 0 | 0 | 0 |
| 26 | 1 | 2.45E+08 | G>A | 0 | 0 | 0.333333333 | 0 |
| 27 | 1 | 2.45E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 28 | 1 | 2.46E+08 | G>C | 0 | 0 | 0 | 0.55666667 |
| 29 | 1 | 2.46E+08 | A>C | 0 | 0.455 | 0 | 0.60666667 |
| 30 | 1 | 2.46E+08 | T>C | 0 | 0.325 | 0 | 0 |
| 31 | 1 | 2.46E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 32 | 1 | 2.46E+08 | A>C | 0 | 0.5 | 0 | 0 |
| 33 | 1 | 2.46E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 34 | 1 | 2.46E+08 | A>G | 0 | 0.303333333 | 0.303333333 | 0 |
| 35 | 1 | 2.46E+08 | C>A | 0 | 0 | 0 | 0 |
| 36 | 1 | 2.46E+08 | T>C | 0 | 0.346666667 | 0 | 0 |
| 37 | 1 | 2.46E+08 | G>C | 0 | 0 | 0 | 0.52 |
| 38 | 1 | 2.46E+08 | T>C | 0 | 0 | 0 | 0.83333333 |
| 39 | 1 | 2.46E+08 | A>T | 0 | 0 | 0.333333333 | 0.35666667 |
| 40 | 1 | 2.46E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 1 | 2.46E+08 | C>T | 0 | 0.641666667 | 0 | 0 |
| 42 | 1 | 2.46E+08 | G>A | 0 | 0 | 0.416666667 | 0 |
| 43 | 1 | 2.47E+08 | G>A | 0 | 0 | 0 | 0 |
| 44 | 1 | 2.47E+08 | A>G | 0 | 0 | 0 | 0 |
| 45 | 1 | 2.47E+08 | C>T | 0 | 0.476666667 | 0 | 0.35666667 |
| 46 | 1 | 2.47E+08 | T>C | 0 | 0 | 0.416666667 | 0.31 |
| 47 | 1 | 2.47E+08 | G>C | 0 | 0.513333333 | 0 | 0 |
| 48 | 1 | 2.47E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 49 | 1 | 2.47E+08 | G>A | 0 | 0.361666667 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 1 | 2.47E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1 | 2.47E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 3 | 1 | 2.47E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 1 | 2.48E+08 | G>A | 0 | 0.303333333 | 0 | 0 |
| 5 | 1 | 2.48E+08 | C>G | 0 | 0 | 0.476666667 | 0 |
| 6 | 1 | 2.49E+08 | A>T | 0 | 0 | 0 | 0 |
| 7 | 2 | 1368250 | C>T | 0 | 0 | 0 | 0.6466667 |
| 8 | 2 | 1438836 | A>G | 0 | 0.455 | 0 | 0 |
| 9 | 2 | 1822398 | T>C | 0 | 0 | 0 | 0 |
| 10 | 2 | 1841868 | C>T | 0 | 0.333333333 | 0 | 0.5333333 |
| 11 | 2 | 1909384 | T>C | 0 | 0 | 0 | 0.74 |
| 12 | 2 | 2141877 | T>G | 0 | 0.396666667 | 0 | 0 |
| 13 | 2 | 2205261 | A>G | 0 | 0 | 0 | 0 |
| 14 | 2 | 3249114 | C>T | 0 | 0.5 | 0 | 0 |
| 15 | 2 | 3460630 | T>A | 0 | 0.5 | 0 | 0 |
| 16 | 2 | 3519981 | T>A | 0 | 0.351666667 | 0 | 0 |
| 17 | 2 | 3595320 | A>G | 0 | 0 | 0 | 0.4633333 |
| 18 | 2 | 3645715 | A>G | 0 | 0.43 | 0 | 0 |
| 19 | 2 | 3657222 | C>T | 0 | 0 | 0 | 0 |
| 20 | 2 | 3691003 | C>T | 0 | 0.445 | 0 | 0 |
| 21 | 2 | 3716848 | A>G | 0 | 0 | 0 | 0.6266667 |
| 22 | 2 | 7031726 | A>G | 0 | 0 | 0 | 0.3433333 |
| 23 | 2 | 7070993 | T>G | 0 | 0.625 | 0 | 0.5133333 |
| 24 | 2 | 8929596 | A>T | 0 | 0 | 0 | 0 |
| 25 | 2 | 8964563 | G>C | 0 | 0.416666667 | 0 | 0 |
| 26 | 2 | 9036158 | A>G | 0 | 0 | 0.513333333 | 0.3566667 |
| 27 | 2 | 9571891 | C>G | 0 | 0 | 0 | 0 |
| 28 | 2 | 9595518 | T>C | 0 | 0.403333333 | 0 | 0.3133333 |
| 29 | 2 | 9643721 | A>G | 0 | 0.37 | 0 | 0 |
| 30 | 2 | 9654333 | C>T | 0 | 0 | 0 | 0.4266667 |
| 31 | 2 | 9691657 | C>T | 0 | 0 | 0 | 0 |
| 32 | 2 | 9992734 | T>C | 0 | 0.476666667 | 0 | 0 |
| 33 | 2 | 10002802 | C>A | 0 | 0 | 0 | 0.57 |
| 34 | 2 | 10065918 | C>A | 0 | 0 | 0 | 0 |
| 35 | 2 | 10067778 | G>T | 0 | 0 | 0 | 0 |
| 36 | 2 | 10071764 | G>A | 0 | 0.435 | 0 | 0 |
| 37 | 2 | 10343639 | A>G | 0 | 0.313333333 | 0 | 0 |
| 38 | 2 | 10516818 | T>C | 0 | 0.316666667 | 0 | 0.5966667 |
| 39 | 2 | 10559126 | T>A | 0 | 0 | 0.32 | 0 |
| 40 | 2 | 10559146 | G>A | 0 | 0 | 0.345 | 0 |
| 41 | 2 | 10877288 | T>C | 0 | 0.346666667 | 0 | 0 |
| 42 | 2 | 10933694 | C>T | 0 | 0.346666667 | 0.416666667 | 0.8333333 |
| 43 | 2 | 10944314 | G>A | 0 | 0 | 0.513333333 | 0 |
| 44 | 2 | 11279991 | C>T | 0 | 0 | 0.303333333 | 0.5266667 |
| 45 | 2 | 11298397 | C>A | 0 | 0 | 0.346666667 | 0 |
| 46 | 2 | 11395094 | T>A | 0 | 0 | 0 | 0.87 |
| 47 | 2 | 11604452 | T>A | 0 | 0.303333333 | 0.526666667 | 0 |
| 48 | 2 | 11949759 | T>C | 0 | 0.346666667 | 0 | 0 |
| 49 | 2 | 15410492 | G>T | 0 | 0.308333333 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 15501868 | T>C | 0 | 0.376666667 | 0 | 0 |
| 2 | 17804664 | C>T | 0 | 0.49 | 0 | 0 |
| 2 | 17824890 | G>A | 0 | 0.666666667 | 0 | 0 |
| 2 | 17910206 | A>G | 0 | 0.6 | 0 | 0 |
| 2 | 17910228 | C>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 18088197 | G>A | 0 | 0 | 0 | 0.5366667 |
| 2 | 18768263 | C>G | 0 | 0 | 0 | 0 |
| 2 | 18768279 | T>C | 0 | 0 | 0 | 0 |
| 2 | 20120629 | T>C | 0 | 0 | 0 | 0 |
| 2 | 20126774 | C>G | 0 | 0.5 | 0 | 0 |
| 2 | 20163567 | A>G | 0 | 0 | 0 | 0.4166667 |
| 2 | 20245847 | T>C | 0 | 0.445 | 0 | 0 |
| 2 | 20460989 | C>T | 0 | 0 | 0.555 | 0 |
| 2 | 21351281 | G>A | 0 | 0 | 0 | 0 |
| 2 | 23735227 | G>A | 0 | 0.416666667 | 0 | 0.5133333 |
| 2 | 23803037 | A>G | 0 | 0.476666667 | 0 | 0.3033333 |
| 2 | 24018858 | T>C | 0 | 0.303333333 | 0 | 0.7033333 |
| 2 | 24088209 | C>G | 0 | 0.435 | 0 | 0 |
| 2 | 24099724 | G>A | 0 | 0.313333333 | 0 | 0 |
| 2 | 24099817 | A>G | 0 | 0 | 0 | 0 |
| 2 | 24119779 | G>A | 0 | 0 | 0 | 0 |
| 2 | 24121816 | C>T | 0 | 0 | 0 | 0 |
| 2 | 24148866 | A>G | 0 | 0 | 0 | 0 |
| 2 | 24148891 | A>T | 0 | 0 | 0 | 0 |
| 2 | 24183716 | T>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 24254448 | C>G | 0 | 0 | 0.308333333 | 0.5433333 |
| 2 | 24294118 | T>C | 0 | 0 | 0 | 0.4433333 |
| 2 | 24294131 | C>G | 0 | 0 | 0 | 0.4766667 |
| 2 | 24525336 | A>G | 0 | 0 | 0 | 0.6666667 |
| 2 | 24752021 | T>C | 0 | 0.303333333 | 0 | 0 |
| 2 | 24754898 | T>C | 0 | 0 | 0 | 0 |
| 2 | 24900423 | C>G | 0 | 0 | 0 | 0.4166667 |
| 2 | 24904805 | C>G | 0 | 0.37 | 0 | 0 |
| 2 | 24983992 | T>C | 0 | 0.465 | 0.303333333 | 0 |
| 2 | 25019431 | T>C | 0 | 0.391666667 | 0 | 0 |
| 2 | 25034678 | T>G | 0 | 0.575 | 0 | 0.36 |
| 2 | 25048327 | T>C | 0 | 0 | 0 | 0 |
| 2 | 25048329 | A>G | 0 | 0 | 0 | 0 |
| 2 | 25083927 | T>C | 0 | 0 | 0 | 0.3033333 |
| 2 | 25128442 | C>T | 0 | 0.606666667 | 0 | 0 |
| 2 | 25185348 | T>C | 0 | 0 | 0 | 0 |
| 2 | 25330956 | C>G | 0 | 0 | 0 | 0.5266667 |
| 2 | 25337096 | T>C | 0 | 0.476666667 | 0 | 0 |
| 2 | 25348668 | A>T | 0 | 0 | 0 | 0 |
| 2 | 25493971 | C>T | 0 | 0 | 0.333333333 | 0 |
| 2 | 25622062 | C>T | 0 | 0 | 0 | 0.3266667 |
| 2 | 25626244 | T>C | 0 | 0.333333333 | 0.316666667 | 0 |
| 2 | 25627541 | T>C | 0 | 0 | 0 | 0.43 |
| 2 | 25641483 | A>G | 0 | 0 | 0 | 0.43 |

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|---|----------|-----|---|--------------|--------------|------------|
| 2 | 25681743 | C>T | 0 | 0 | 0.3133333333 | 0.32333333 |
| 2 | 25750183 | A>G | 0 | 0 | 0 | 0 |
| 2 | 25773035 | C>T | 0 | 0 | 0 | 0.31 |
| 2 | 25796012 | T>C | 0 | 0.3666666667 | 0 | 0.97333333 |
| 2 | 25799339 | C>T | 0 | 0 | 0 | 0 |
| 2 | 25805996 | A>G | 0 | 0 | 0 | 0.68666667 |
| 2 | 25836086 | T>G | 0 | 0.555 | 0 | 0 |
| 2 | 25860855 | T>A | 0 | 0 | 0 | 0 |
| 2 | 25860926 | T>C | 0 | 0 | 0 | 0 |
| 2 | 25975499 | C>T | 0 | 0 | 0 | 0 |
| 2 | 26052101 | T>A | 0 | 0.4 | 0 | 0 |
| 2 | 26053405 | T>G | 0 | 0.8333333333 | 0 | 0 |
| 2 | 26096204 | C>T | 0 | 0 | 0 | 0.55666667 |
| 2 | 26096205 | A>G | 0 | 0 | 0 | 0.55666667 |
| 2 | 26154259 | G>A | 0 | 0 | 0 | 0.32333333 |
| 2 | 26317704 | G>A | 0 | 0.445 | 0 | 0 |
| 2 | 26400716 | A>G | 0 | 0.345 | 0 | 0 |
| 2 | 26483202 | A>G | 0 | 0.3516666667 | 0 | 0 |
| 2 | 26494270 | A>G | 0 | 0.4166666667 | 0 | 0 |
| 2 | 26511911 | T>G | 0 | 0.7016666667 | 0 | 0.33333333 |
| 2 | 26606485 | A>G | 0 | 0.5066666667 | 0 | 0.33333333 |
| 2 | 26838800 | T>A | 0 | 0 | 0 | 0 |
| 2 | 26950656 | G>C | 0 | 0 | 0 | 0 |
| 2 | 26996193 | A>C | 0 | 0.455 | 0.3333333333 | 0 |
| 2 | 27319647 | A>G | 0 | 0 | 0 | 0 |
| 2 | 27513363 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 2 | 27533698 | C>T | 0 | 0.445 | 0 | 0 |
| 2 | 27542932 | G>A | 0 | 0.4 | 0 | 0 |
| 2 | 27563183 | T>C | 0 | 0 | 0 | 0 |
| 2 | 27568294 | C>T | 0 | 0.3033333333 | 0.3333333333 | 0 |
| 2 | 27622340 | C>G | 0 | 0.5 | 0 | 0 |
| 2 | 27654808 | C>T | 0 | 0.3516666667 | 0 | 0 |
| 2 | 27666484 | A>G | 0 | 0.3133333333 | 0 | 0.50666667 |
| 2 | 27679740 | C>T | 0 | 0 | 0 | 0 |
| 2 | 27722816 | A>G | 0 | 0 | 0.3233333333 | 0.41666667 |
| 2 | 27817817 | G>A | 0 | 0 | 0 | 0 |
| 2 | 27824681 | G>A | 0 | 0.345 | 0 | 0 |
| 2 | 27834767 | A>G | 0 | 0.6866666667 | 0 | 0 |
| 2 | 28060831 | T>C | 0 | 0 | 0 | 0 |
| 2 | 28190439 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 2 | 28523027 | G>A | 0 | 0.4666666667 | 0 | 0 |
| 2 | 28529667 | A>G | 0 | 0.5133333333 | 0 | 0 |
| 2 | 28553333 | C>T | 0 | 0.4166666667 | 0 | 0 |
| 2 | 28760355 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 2 | 29010082 | C>T | 0 | 0 | 0 | 0.33333333 |
| 2 | 29044320 | A>G | 0 | 0.4166666667 | 0 | 0.34333333 |
| 2 | 29082184 | A>T | 0 | 0.4166666667 | 0 | 0 |
| 2 | 29226900 | C>T | 0 | 0 | 0 | 0.37 |
| 2 | 30748172 | G>A | 0 | 0.37 | 0 | 0.51333333 |

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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 31233285 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 31285628 | A>T | 0 | 0.455 | 0 | 0 |
| 2 | 31285629 | A>G | 0 | 0.455 | 0 | 0 |
| 2 | 31339794 | C>T | 0 | 0 | 0 | 0 |
| 2 | 32110468 | C>T | 0 | 0.346666667 | 0 | 0.49 |
| 2 | 32123563 | G>A | 0 | 0 | 0 | 0 |
| 2 | 32195823 | G>A | 0 | 0.5 | 0.388333333 | 0.3433333 |
| 2 | 32200059 | A>G | 0 | 0.313333333 | 0.333333333 | 0.6266667 |
| 2 | 32257809 | A>G | 0 | 0.391666667 | 0 | 0 |
| 2 | 32257966 | A>G | 0 | 0.391666667 | 0 | 0 |
| 2 | 32290191 | C>T | 0 | 0 | 0 | 0 |
| 2 | 32326499 | G>A | 0 | 0 | 0 | 0 |
| 2 | 32326522 | A>G | 0 | 0 | 0 | 0 |
| 2 | 32326799 | A>G | 0 | 0 | 0 | 0 |
| 2 | 32353323 | G>C | 0 | 0.535 | 0 | 0.3033333 |
| 2 | 32359354 | A>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 32421277 | G>A | 0 | 0.4 | 0 | 0 |
| 2 | 32446260 | A>G | 0 | 0.351666667 | 0 | 0.37 |
| 2 | 32451747 | T>C | 0 | 0.32 | 0 | 0.37 |
| 2 | 32470991 | A>G | 0 | 0 | 0 | 0 |
| 2 | 32486901 | T>C | 0 | 0 | 0 | 0 |
| 2 | 32587584 | T>C | 0 | 0.416666667 | 0 | 0 |
| 2 | 32629259 | G>A | 0 | 0.486666667 | 0 | 0 |
| 2 | 32635989 | T>C | 0 | 0.416666667 | 0 | 0 |
| 2 | 32639473 | G>A | 0 | 0.361666667 | 0 | 0 |
| 2 | 32671219 | C>T | 0 | 0.555 | 0 | 0 |
| 2 | 32709083 | T>C | 0 | 0.555 | 0 | 0 |
| 2 | 32761261 | G>T | 0 | 0 | 0 | 0.8333333 |
| 2 | 32762155 | G>T | 0 | 0 | 0 | 0.3933333 |
| 2 | 32792298 | C>A | 0 | 0 | 0 | 0 |
| 2 | 32792300 | C>G | 0 | 0 | 0 | 0 |
| 2 | 32838636 | C>T | 0 | 0 | 0 | 0 |
| 2 | 32885904 | T>C | 0 | 0 | 0 | 0.6066667 |
| 2 | 32886549 | T>C | 0 | 0 | 0 | 0 |
| 2 | 32892645 | G>A | 0 | 0 | 0 | 0.44 |
| 2 | 32892758 | C>T | 0 | 0.303333333 | 0 | 0 |
| 2 | 32931756 | T>C | 0 | 0 | 0 | 0 |
| 2 | 33242071 | A>G | 0 | 0 | 0.463333333 | 0.3033333 |
| 2 | 33269535 | C>T | 0 | 0 | 0 | 0 |
| 2 | 33271883 | T>C | 0 | 0.333333333 | 0 | 0 |
| 2 | 33367368 | C>T | 0 | 0.5 | 0 | 0 |
| 2 | 33725737 | C>T | 0 | 0 | 0 | 0.4166667 |
| 2 | 33749869 | G>A | 0 | 0.316666667 | 0 | 0 |
| 2 | 37106114 | G>T | 0 | 0.476666667 | 0 | 0 |
| 2 | 37110335 | T>C | 0 | 0 | 0 | 0 |
| 2 | 37117739 | A>G | 0 | 0.666666667 | 0 | 0 |
| 2 | 37214534 | C>T | 0 | 0.455 | 0 | 0 |
| 2 | 37300606 | T>C | 0 | 0.37 | 0 | 0.5 |
| 2 | 37313778 | T>C | 0 | 0 | 0 | 0.5566667 |

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|---|----------|-----|---|-------------|-------------|------------|
| 2 | 37320200 | A>G | 0 | 0.476666667 | 0 | 0 |
| 2 | 37581220 | A>C | 0 | 0 | 0 | 0 |
| 2 | 38184144 | T>C | 0 | 0 | 0 | 0 |
| 2 | 38186383 | T>C | 0 | 0.356666667 | 0 | 0 |
| 2 | 38187320 | A>G | 0 | 0.32 | 0 | 0 |
| 2 | 38187444 | C>A | 0 | 0.391666667 | 0 | 0 |
| 2 | 38188084 | G>A | 0 | 0.695 | 0 | 0 |
| 2 | 38207715 | A>G | 0 | 0.403333333 | 0 | 0 |
| 2 | 38235203 | A>G | 0 | 0.463333333 | 0 | 0.49333333 |
| 2 | 38235565 | T>A | 0 | 0 | 0 | 0.5566667 |
| 2 | 38274026 | A>T | 0 | 1 | 0 | 0.3166667 |
| 2 | 38597861 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 38598788 | T>C | 0 | 0 | 0 | 0 |
| 2 | 38598838 | G>A | 0 | 0.625 | 0 | 0 |
| 2 | 38827608 | G>C | 0 | 0 | 0 | 0.69 |
| 2 | 39055102 | T>G | 0 | 0 | 0 | 0 |
| 2 | 39066314 | C>T | 0 | 0 | 0 | 0 |
| 2 | 39223497 | T>C | 0 | 0.356666667 | 0 | 0 |
| 2 | 39452339 | A>G | 0 | 0 | 0 | 0.33333333 |
| 2 | 39565058 | A>G | 0 | 0.606666667 | 0 | 0 |
| 2 | 39920171 | T>G | 0 | 0.303333333 | 0 | 0.33333333 |
| 2 | 40443372 | C>A | 0 | 0 | 0 | 0 |
| 2 | 40448148 | T>C | 0 | 0.455 | 0 | 0.35 |
| 2 | 40449486 | A>C | 0 | 0 | 0 | 0 |
| 2 | 40450283 | A>T | 0 | 0.416666667 | 0 | 0 |
| 2 | 40461864 | G>T | 0 | 0.351666667 | 0 | 0 |
| 2 | 42498982 | T>C | 0 | 0.333333333 | 0 | 0 |
| 2 | 42681649 | A>C | 0 | 0 | 0 | 0 |
| 2 | 42875216 | G>A | 0 | 0.303333333 | 0 | 0 |
| 2 | 43491634 | A>G | 0 | 0.533333333 | 0 | 0.4866667 |
| 2 | 43592343 | T>C | 0 | 0 | 0 | 0.37 |
| 2 | 43592756 | T>C | 0 | 0 | 0 | 0 |
| 2 | 43760354 | T>C | 0 | 0 | 0.513333333 | 0 |
| 2 | 43807949 | G>A | 0 | 0.606666667 | 0 | 0 |
| 2 | 43938922 | G>A | 0 | 0 | 0 | 0.34333333 |
| 2 | 43938933 | C>T | 0 | 0 | 0 | 0.3566667 |
| 2 | 43972191 | G>A | 0 | 0.37 | 0 | 0 |
| 2 | 44052866 | T>C | 0 | 0 | 0 | 0 |
| 2 | 44061024 | C>T | 0 | 0.333333333 | 0 | 0.58 |
| 2 | 44093551 | C>T | 0 | 0 | 0 | 0 |
| 2 | 44178034 | T>C | 0 | 0.4 | 0 | 0 |
| 2 | 44194725 | G>T | 0 | 0 | 0 | 0.5566667 |
| 2 | 44450759 | T>C | 0 | 0.416666667 | 0 | 0 |
| 2 | 44516154 | T>A | 0 | 0 | 0 | 0 |
| 2 | 44530284 | A>G | 0 | 0 | 0.476666667 | 0 |
| 2 | 44542289 | G>C | 0 | 0 | 0 | 0 |
| 2 | 44542299 | T>C | 0 | 0 | 0 | 0 |
| 2 | 44559307 | G>A | 0 | 0 | 0 | 0 |
| 2 | 44586403 | T>C | 0 | 0.476666667 | 0 | 0.74 |

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| 2 | 44673557 | T>C | 0 | 0 | 0 | 0 |
| 2 | 44760169 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 44822660 | G>C | 0 | 0.445 | 0 | 0 |
| 2 | 44892303 | G>A | 0 | 0 | 0.333333333 | 0 |
| 2 | 44893852 | G>C | 0 | 0.455 | 0 | 0 |
| 2 | 45655192 | C>T | 0 | 0 | 0 | 0.89 |
| 2 | 45715071 | T>A | 0 | 0 | 0 | 0.5333333 |
| 2 | 45789436 | G>A | 0 | 0 | 0 | 0.3433333 |
| 2 | 45945756 | T>C | 0 | 0 | 0 | 0.7766667 |
| 2 | 45952761 | A>G | 0 | 0.466666667 | 0.316666667 | 0 |
| 2 | 46086086 | G>A | 0 | 0 | 0 | 0.3333333 |
| 2 | 46093629 | G>C | 0 | 0.476666667 | 0 | 0 |
| 2 | 46162697 | A>G | 0 | 0.833333333 | 0 | 0 |
| 2 | 46275648 | G>A | 0 | 0 | 0 | 0 |
| 2 | 46350696 | G>C | 0 | 0 | 0 | 0 |
| 2 | 46393244 | T>C | 0 | 0 | 0 | 0 |
| 2 | 46393259 | T>C | 0 | 0 | 0 | 0 |
| 2 | 46820500 | A>G | 0 | 0.346666667 | 0 | 0 |
| 2 | 46820505 | T>G | 0 | 0 | 0 | 0.3133333 |
| 2 | 46834971 | T>C | 0 | 0 | 0.356666667 | 0 |
| 2 | 46955892 | T>A | 0 | 0.46 | 0 | 0 |
| 2 | 47046779 | C>A | 0 | 0.416666667 | 0 | 0 |
| 2 | 47046883 | G>A | 0 | 0.476666667 | 0 | 0 |
| 2 | 47130708 | C>T | 0 | 0.555 | 0 | 0 |
| 2 | 47180324 | A>G | 0 | 0 | 0 | 0.5333333 |
| 2 | 47387641 | T>G | 0 | 0 | 0 | 0 |
| 2 | 47597683 | T>G | 0 | 0.555 | 0 | 0.3433333 |
| 2 | 47657424 | C>T | 0 | 0 | 0 | 0.4266667 |
| 2 | 48038627 | G>A | 0 | 0.416666667 | 0 | 0.35 |
| 2 | 48082910 | C>G | 0 | 0.391666667 | 0 | 0.3166667 |
| 2 | 48111158 | G>A | 0 | 0 | 0.416666667 | 0 |
| 2 | 48576828 | T>C | 0 | 0 | 0 | 0 |
| 2 | 48673960 | A>G | 0 | 0 | 0 | 0 |
| 2 | 48797366 | C>T | 0 | 0 | 0 | 0.3566667 |
| 2 | 48847684 | T>C | 0 | 0 | 0 | 0.4566667 |
| 2 | 48880196 | A>G | 0 | 0.303333333 | 0 | 0 |
| 2 | 48900691 | T>C | 0 | 0.323333333 | 0 | 0 |
| 2 | 48931406 | C>G | 0 | 0 | 0 | 0 |
| 2 | 48932046 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 48972311 | C>T | 0 | 0 | 0 | 0 |
| 2 | 49236263 | A>T | 0 | 0 | 0 | 0 |
| 2 | 50234993 | T>C | 0 | 0 | 0.391666667 | 0 |
| 2 | 50235005 | T>C | 0 | 0 | 0.351666667 | 0 |
| 2 | 50246979 | C>A | 0 | 0.333333333 | 0 | 0 |
| 2 | 50574676 | C>A | 0 | 0 | 0 | 0 |
| 2 | 50574691 | G>A | 0 | 0 | 0 | 0 |
| 2 | 50587914 | C>A | 0 | 0 | 0 | 0.4166667 |
| 2 | 50590333 | A>T | 0 | 0 | 0 | 0 |
| 2 | 51089212 | C>T | 0 | 0.555 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|------------|
| 2 | 51198550 | G>A | 0 | 0 | 0.43 | 0 |
| 2 | 51244060 | T>C | 0 | 0.351666667 | 0.356666667 | 0 |
| 2 | 53938704 | A>G | 0 | 0.4 | 0 | 0 |
| 2 | 53958317 | C>T | 0 | 0 | 0 | 0.4 |
| 2 | 54054576 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 54098581 | T>C | 0 | 0 | 0 | 0.54 |
| 2 | 54160292 | G>A | 0 | 0 | 0 | 0.30333333 |
| 2 | 54187365 | A>G | 0 | 0 | 0 | 0 |
| 2 | 54354637 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 54378125 | A>G | 0 | 0 | 0 | 0.3566667 |
| 2 | 54400106 | T>C | 0 | 0 | 0 | 1 |
| 2 | 54400618 | G>A | 0 | 0.555 | 0 | 0 |
| 2 | 54446842 | A>G | 0 | 0.351666667 | 0 | 0 |
| 2 | 54483893 | T>C | 0 | 0.313333333 | 0 | 0 |
| 2 | 54494026 | A>G | 0 | 0 | 0.666666667 | 0 |
| 2 | 54505378 | T>G | 0 | 0 | 0 | 0.6966667 |
| 2 | 54702047 | T>C | 0 | 0 | 0 | 0.74 |
| 2 | 55266813 | A>G | 0 | 0.555 | 0 | 0 |
| 2 | 55486987 | C>A | 0 | 0 | 0 | 0 |
| 2 | 55488333 | A>C | 0 | 0.416666667 | 0 | 0 |
| 2 | 55493408 | T>C | 0 | 0 | 0 | 0.91 |
| 2 | 55524805 | A>C | 0 | 0 | 0 | 0.65 |
| 2 | 55527867 | G>A | 0 | 0.37 | 0 | 0 |
| 2 | 55755720 | T>C | 0 | 0 | 0 | 0 |
| 2 | 55763675 | T>C | 0 | 0 | 0 | 0 |
| 2 | 55869617 | A>G | 0 | 0 | 0 | 0.5266667 |
| 2 | 55874922 | C>T | 0 | 0.403333333 | 0 | 0 |
| 2 | 55880235 | A>G | 0 | 0 | 0 | 0 |
| 2 | 56145002 | G>C | 0 | 0 | 0 | 0 |
| 2 | 56547213 | A>C | 0 | 0 | 0 | 0.38 |
| 2 | 56563413 | T>C | 0 | 0.513333333 | 0 | 0 |
| 2 | 56583678 | A>G | 0 | 0.555 | 0 | 0 |
| 2 | 56586176 | C>T | 0 | 0 | 0 | 0.3566667 |
| 2 | 58247389 | C>T | 0 | 0.416666667 | 0 | 0 |
| 2 | 58373038 | C>G | 0 | 0 | 0 | 0.44 |
| 2 | 58394182 | T>A | 0 | 0.346666667 | 0 | 0 |
| 2 | 58407532 | G>T | 0 | 0.53 | 0 | 0 |
| 2 | 60746594 | C>A | 0 | 0 | 0 | 0 |
| 2 | 60754049 | C>G | 0 | 0 | 0 | 0 |
| 2 | 60989837 | G>C | 0 | 0.303333333 | 0 | 0.57 |
| 2 | 61208286 | G>C | 0 | 0.333333333 | 0 | 0 |
| 2 | 61222021 | T>C | 0 | 0.448333333 | 0 | 0 |
| 2 | 61264510 | A>G | 0 | 0 | 0 | 0.4166667 |
| 2 | 61264667 | G>A | 0 | 0 | 0 | 0 |
| 2 | 61271728 | T>C | 0 | 0 | 0 | 0.3233333 |
| 2 | 61303174 | T>G | 0 | 0.476666667 | 0 | 0.3333333 |
| 2 | 61320158 | T>C | 0 | 0.37 | 0 | 0 |
| 2 | 61320160 | C>T | 0 | 0.388333333 | 0 | 0 |
| 2 | 61329942 | T>G | 0 | 0.306666667 | 0 | 0 |

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|---|----------|-----|---|--------------|-------|------------|
| 2 | 61549102 | A>G | 0 | 0.5 | 0 | 0 |
| 2 | 61593213 | G>A | 0 | 0 | 0 | 0.43 |
| 2 | 61627523 | T>C | 0 | 0 | 0 | 0.43333333 |
| 2 | 61635951 | T>A | 0 | 0.5133333333 | 0 | 0 |
| 2 | 61663043 | A>G | 0 | 0 | 0 | 0 |
| 2 | 61689171 | A>G | 0 | 0 | 0 | 0.85333333 |
| 2 | 61694269 | T>C | 0 | 0 | 0 | 0.37 |
| 2 | 61695497 | G>T | 0 | 0 | 0 | 0 |
| 2 | 61696179 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 2 | 62064741 | C>T | 0 | 0.3466666667 | 0 | 0 |
| 2 | 62107121 | T>C | 0 | 0.3516666667 | 0 | 0.41666667 |
| 2 | 62159275 | C>A | 0 | 0.4766666667 | 0 | 0 |
| 2 | 62181092 | T>C | 0 | 0.5133333333 | 0 | 0 |
| 2 | 62182958 | T>C | 0 | 0.4316666667 | 0 | 0 |
| 2 | 62212387 | G>A | 0 | 0 | 0 | 0 |
| 2 | 62230252 | T>C | 0 | 0 | 0.385 | 0 |
| 2 | 62231499 | A>G | 0 | 0.3616666667 | 0 | 0 |
| 2 | 62250100 | A>G | 0 | 0 | 0 | 0.50666667 |
| 2 | 62286179 | T>C | 0 | 0 | 0 | 0 |
| 2 | 62354793 | G>A | 0 | 0.5066666667 | 0 | 0 |
| 2 | 62354811 | C>T | 0 | 0.4383333333 | 0 | 0 |
| 2 | 62362721 | T>C | 0 | 0 | 0 | 0 |
| 2 | 62976342 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 2 | 62979220 | G>A | 0 | 0 | 0 | 0 |
| 2 | 62979664 | A>G | 0 | 0.4766666667 | 0 | 0 |
| 2 | 63047121 | A>G | 0 | 0 | 0 | 0 |
| 2 | 63251232 | A>G | 0 | 0.37 | 0 | 0.49333333 |
| 2 | 63359216 | C>A | 0 | 0 | 0 | 0 |
| 2 | 63364411 | G>A | 0 | 0.4766666667 | 0 | 0 |
| 2 | 63440422 | G>T | 0 | 0 | 0 | 0 |
| 2 | 63577305 | A>C | 0 | 0 | 0 | 0.73333333 |
| 2 | 63585761 | A>T | 0 | 0.5133333333 | 0 | 0 |
| 2 | 63616527 | A>G | 0 | 0.3333333333 | 0 | 0.63333333 |
| 2 | 63618428 | T>C | 0 | 0 | 0 | 0.59666667 |
| 2 | 63619168 | T>C | 0 | 0 | 0 | 0 |
| 2 | 63680635 | A>G | 0 | 0 | 0 | 0.59333333 |
| 2 | 63724143 | A>G | 0 | 0 | 0 | 0.31333333 |
| 2 | 63757380 | G>T | 0 | 0 | 0 | 0 |
| 2 | 63760837 | T>C | 0 | 0 | 0 | 0.34333333 |
| 2 | 64107916 | C>T | 0 | 0.8333333333 | 0 | 0 |
| 2 | 64154303 | G>A | 0 | 0.455 | 0 | 0 |
| 2 | 64157904 | A>G | 0 | 0 | 0 | 0.33333333 |
| 2 | 64159238 | T>C | 0 | 0 | 0 | 0.41666667 |
| 2 | 64165764 | G>A | 0 | 0.37 | 0 | 0 |
| 2 | 65477700 | A>G | 0 | 0.3133333333 | 0 | 0 |
| 2 | 65478715 | A>G | 0 | 0.5883333333 | 0 | 0 |
| 2 | 65484691 | C>T | 0 | 0.37 | 0 | 0 |
| 2 | 65484728 | T>C | 0 | 0.3166666667 | 0 | 0.44 |
| 2 | 65552886 | T>C | 0 | 0.49 | 0 | 0 |

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| 2 | 65599035 | G>C | 0 | 0 | 0.396666667 | 0 |
| 2 | 66713466 | A>G | 0 | 0.445 | 0 | 0 |
| 2 | 66713596 | C>T | 0 | 0.483333333 | 0 | 0 |
| 2 | 66713690 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 66713904 | T>C | 0 | 0.466666667 | 0 | 0 |
| 2 | 66714073 | C>T | 0 | 0.695 | 0 | 0 |
| 2 | 66757621 | C>T | 0 | 0.455 | 0 | 0 |
| 2 | 66764446 | C>A | 0 | 0 | 0 | 0 |
| 2 | 68377680 | A>C | 0 | 0.333333333 | 0.365 | 0 |
| 2 | 68764713 | G>A | 0 | 0 | 0 | 0 |
| 2 | 68767536 | G>C | 0 | 0.476666667 | 0.351666667 | 0 |
| 2 | 69283930 | T>C | 0 | 0.416666667 | 0 | 0 |
| 2 | 69318321 | A>C | 0 | 0 | 0 | 0.4166667 |
| 2 | 69335786 | A>G | 0 | 0 | 0 | 0 |
| 2 | 69572322 | C>A | 0 | 0.316666667 | 0 | 0 |
| 2 | 69572323 | A>G | 0 | 0.316666667 | 0 | 0 |
| 2 | 69577784 | T>C | 0 | 0 | 0.351666667 | 0.43 |
| 2 | 69603496 | G>A | 0 | 0 | 0 | 0.3466667 |
| 2 | 69631192 | A>G | 0 | 0.32 | 0 | 0 |
| 2 | 69635014 | A>T | 0 | 0 | 0 | 0 |
| 2 | 69648930 | A>G | 0 | 0 | 0 | 0 |
| 2 | 69653944 | G>T | 0 | 0 | 0 | 0 |
| 2 | 69789820 | A>G | 0 | 0 | 0 | 0 |
| 2 | 69789936 | T>C | 0 | 0 | 0 | 0.5066667 |
| 2 | 69822514 | T>C | 0 | 0 | 0 | 0.37 |
| 2 | 69849834 | G>C | 0 | 0 | 0.346666667 | 0 |
| 2 | 69987154 | C>T | 0 | 0.343333333 | 0 | 0 |
| 2 | 70101632 | T>C | 0 | 0.4 | 0 | 0 |
| 2 | 70404155 | C>G | 0 | 0.313333333 | 0 | 0 |
| 2 | 70450781 | A>G | 0 | 0 | 0.345 | 0 |
| 2 | 70749620 | A>G | 0 | 0.438333333 | 0 | 0.4766667 |
| 2 | 70974405 | C>G | 0 | 0 | 0 | 0 |
| 2 | 71131648 | T>C | 0 | 0 | 0 | 0 |
| 2 | 71422941 | C>T | 0 | 0 | 0 | 0.3866667 |
| 2 | 71428791 | A>G | 0 | 0.385 | 0 | 0.5966667 |
| 2 | 71623960 | T>C | 0 | 0 | 0.388333333 | 0 |
| 2 | 71820521 | G>A | 0 | 0.435 | 0 | 0.3766667 |
| 2 | 71820522 | G>A | 0 | 0.435 | 0 | 0.3766667 |
| 2 | 72485609 | T>C | 0 | 0.303333333 | 0 | 0.5133333 |
| 2 | 72550713 | T>C | 0 | 0.506666667 | 0.333333333 | 0 |
| 2 | 72596739 | C>T | 0 | 0 | 0 | 0.3333333 |
| 2 | 72635593 | C>T | 0 | 0 | 0.378333333 | 0 |
| 2 | 72636251 | A>G | 0 | 0.476666667 | 0 | 0 |
| 2 | 72657562 | T>C | 0 | 0.595 | 0 | 0 |
| 2 | 72659987 | C>T | 0 | 0 | 0 | 0.52 |
| 2 | 72687759 | A>G | 0 | 0 | 0 | 0.3033333 |
| 2 | 72697981 | G>A | 0 | 0 | 0 | 0 |
| 2 | 72737233 | A>G | 0 | 0.455 | 0 | 0 |
| 2 | 73031932 | G>A | 0 | 0 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 73245244 | A>G | 0 | 0.555 | 0 | 0 |
| 2 | 73269552 | A>G | 0 | 0 | 0 | 0 |
| 2 | 73688585 | G>A | 0 | 0.555 | 0 | 0 |
| 2 | 73708455 | C>T | 0 | 0 | 0 | 0.4766667 |
| 2 | 73770910 | G>A | 0 | 0 | 0 | 0 |
| 2 | 73959588 | T>C | 0 | 0 | 0 | 0.5866667 |
| 2 | 74176253 | G>A | 0 | 0 | 0 | 0.4433333 |
| 2 | 74394567 | A>G | 0 | 0.416666667 | 0 | 0.4433333 |
| 2 | 74431300 | T>C | 0 | 0 | 0 | 0.6533333 |
| 2 | 74438192 | G>A | 0 | 0.303333333 | 0 | 0 |
| 2 | 74439662 | C>T | 0 | 0 | 0 | 0 |
| 2 | 74508094 | A>G | 0 | 0 | 0 | 0.5566667 |
| 2 | 74605348 | C>T | 0 | 0 | 0 | 0 |
| 2 | 74715004 | G>A | 0 | 0.351666667 | 0 | 0 |
| 2 | 74773977 | G>T | 0 | 0 | 0 | 0 |
| 2 | 74826154 | T>C | 0 | 0.346666667 | 0 | 0.3333333 |
| 2 | 74826165 | T>G | 0 | 0 | 0 | 0 |
| 2 | 74839552 | A>G | 0 | 0 | 0 | 0 |
| 2 | 75761185 | A>G | 0 | 0 | 0 | 0 |
| 2 | 77096177 | A>C | 0 | 0.428333333 | 0 | 0 |
| 2 | 77162732 | A>T | 0 | 0 | 0 | 0.4 |
| 2 | 77179140 | T>A | 0 | 0.303333333 | 0 | 0 |
| 2 | 77179154 | C>T | 0 | 0.416666667 | 0 | 0 |
| 2 | 77390502 | T>G | 0 | 0.476666667 | 0 | 0 |
| 2 | 77393715 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 77409168 | G>A | 0 | 0.521666667 | 0 | 0 |
| 2 | 77546339 | T>C | 0 | 0.555 | 0 | 0 |
| 2 | 77657676 | T>C | 0 | 0 | 0 | 0 |
| 2 | 79695650 | T>C | 0 | 0 | 0 | 0.37 |
| 2 | 79695732 | C>T | 0 | 0 | 0.37 | 0 |
| 2 | 79695739 | A>G | 0 | 0.445 | 0 | 0.8633333 |
| 2 | 79882692 | T>C | 0 | 0 | 0 | 0 |
| 2 | 79919441 | G>A | 0 | 0 | 0 | 0.6066667 |
| 2 | 80080208 | A>G | 0 | 0 | 0 | 0.7333333 |
| 2 | 80437864 | C>G | 0 | 0 | 0 | 0.4333333 |
| 2 | 80466870 | T>C | 0 | 0.438333333 | 0 | 0.5233333 |
| 2 | 80769018 | G>T | 0 | 0 | 0 | 1 |
| 2 | 80797341 | G>T | 0 | 0.416666667 | 0 | 0.3166667 |
| 2 | 84680761 | A>C | 0 | 0 | 0 | 0 |
| 2 | 84790267 | T>C | 0 | 0.37 | 0 | 0 |
| 2 | 84802761 | A>C | 0 | 0 | 0 | 0.62 |
| 2 | 84816602 | A>G | 0 | 0.391666667 | 0 | 0 |
| 2 | 84866655 | A>G | 0 | 0 | 0.345 | 0 |
| 2 | 84893552 | T>A | 0 | 0 | 0 | 0 |
| 2 | 84893673 | T>C | 0 | 0 | 0 | 0.5866667 |
| 2 | 85050108 | C>T | 0 | 0.416666667 | 0 | 0 |
| 2 | 85219576 | G>A | 0 | 0.32 | 0 | 0 |
| 2 | 85249211 | C>A | 0 | 0 | 0.316666667 | 0.37 |
| 2 | 85257888 | T>C | 0 | 0.521666667 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|------------|
| 2 | 85382154 | A>G | 0 | 0 | 0 | 0 |
| 2 | 85452781 | T>C | 0 | 0.595 | 0 | 0 |
| 2 | 85513838 | A>G | 0 | 0.303333333 | 0 | 0.83333333 |
| 2 | 85588801 | T>C | 0 | 0.303333333 | 0.325 | 0.5666667 |
| 2 | 85589824 | T>C | 0 | 0.333333333 | 0 | 0 |
| 2 | 85854015 | A>G | 0 | 0 | 0 | 0 |
| 2 | 86112744 | A>G | 0 | 0.315 | 0 | 0 |
| 2 | 86486601 | C>T | 0 | 0 | 0 | 0 |
| 2 | 86486636 | A>G | 0 | 0 | 0 | 0.3433333 |
| 2 | 86742663 | C>T | 0 | 0.348333333 | 0 | 0 |
| 2 | 86828845 | T>G | 0 | 0.648333333 | 0 | 0.3833333 |
| 2 | 86908755 | A>T | 0 | 0.385 | 0 | 0 |
| 2 | 87025845 | T>C | 0 | 0.391666667 | 0 | 0 |
| 2 | 87032137 | A>G | 0 | 0 | 0 | 0 |
| 2 | 88349151 | G>A | 0 | 0.37 | 0 | 0 |
| 2 | 88878019 | A>G | 0 | 0 | 0 | 0.38 |
| 2 | 95779604 | C>T | 0 | 0 | 0 | 0.4166667 |
| 2 | 96039353 | T>G | 0 | 0 | 0 | 0.5066667 |
| 2 | 96993268 | G>C | 0 | 0 | 0 | 0 |
| 2 | 97269072 | C>T | 0 | 0.385 | 0 | 0 |
| 2 | 97274592 | T>A | 0 | 0 | 0 | 0 |
| 2 | 97287049 | A>G | 0 | 0.435 | 0 | 0.3266667 |
| 2 | 97290472 | C>T | 0 | 0.53 | 0 | 0 |
| 2 | 97299997 | G>A | 0 | 0.391666667 | 0 | 0 |
| 2 | 97390776 | C>G | 0 | 0 | 0 | 0 |
| 2 | 97394739 | G>C | 0 | 0.351666667 | 0 | 0 |
| 2 | 97444958 | A>G | 0 | 0 | 0.513333333 | 0 |
| 2 | 97526205 | G>A | 0 | 0 | 0 | 0 |
| 2 | 98422959 | G>A | 0 | 0.316666667 | 0 | 0 |
| 2 | 98455010 | T>C | 0 | 0 | 0 | 0.5066667 |
| 2 | 98463398 | A>C | 0 | 0.403333333 | 0 | 0.5266667 |
| 2 | 98495032 | T>C | 0 | 0 | 0.32 | 0 |
| 2 | 98539474 | A>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 98558435 | C>T | 0 | 0 | 0 | 0.3433333 |
| 2 | 98832237 | T>C | 0 | 0 | 0 | 0.45 |
| 2 | 99070430 | T>C | 0 | 0 | 0 | 0 |
| 2 | 99294442 | T>C | 0 | 0 | 0.385 | 0.4166667 |
| 2 | 99296695 | T>C | 0 | 0 | 0 | 0 |
| 2 | 99330825 | T>C | 0 | 0 | 0 | 0.43 |
| 2 | 99411735 | T>C | 0 | 0.396666667 | 0 | 0 |
| 2 | 99661407 | A>G | 0 | 0 | 0 | 0.4333333 |
| 2 | 99661759 | A>G | 0 | 0 | 0 | 0.6333333 |
| 2 | 99665125 | C>T | 0 | 0 | 0 | 0 |
| 2 | 99763227 | A>G | 0 | 0 | 0 | 0.3266667 |
| 2 | 99765245 | T>C | 0 | 0.37 | 0 | 0 |
| 2 | 99772861 | A>G | 0 | 0 | 0 | 0 |
| 2 | 99803017 | C>G | 0 | 0.455 | 0 | 0 |
| 2 | 1E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1E+08 | C>T | 0 | 0.416666667 | 0 | 0 |

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| 2 | 1E+08 | A>G | 0 | 0 | 0 | 0.5366667 |
| 2 | 1E+08 | T>C | 0 | 0 | 0.535 | 0.3333333 |
| 2 | 1E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 2 | 1E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 1E+08 | T>C | 0 | 0 | 0 | 0.5966667 |
| 2 | 1.01E+08 | T>C | 0 | 0.455 | 0 | 0.4166667 |
| 2 | 1.01E+08 | T>C | 0 | 0.37 | 0 | 0.37 |
| 2 | 1.01E+08 | G>A | 0 | 0.303333333 | 0 | 0 |
| 2 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.5366667 |
| 2 | 1.02E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.02E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.02E+08 | G>A | 0 | 0.346666667 | 0 | 0 |
| 2 | 1.02E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 2 | 1.02E+08 | A>G | 0 | 0.526666667 | 0 | 0 |
| 2 | 1.02E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.02E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.02E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.02E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.02E+08 | C>G | 0 | 0 | 0 | 0.3766667 |
| 2 | 1.02E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.02E+08 | A>G | 0 | 0 | 0 | 0.8966667 |
| 2 | 1.02E+08 | T>A | 0 | 0.625 | 0 | 0 |
| 2 | 1.02E+08 | C>G | 0 | 0.513333333 | 0 | 0 |
| 2 | 1.02E+08 | G>C | 0 | 0.313333333 | 0 | 0.5866667 |
| 2 | 1.02E+08 | G>T | 0 | 0 | 0 | 0.4433333 |
| 2 | 1.02E+08 | C>A | 0 | 0 | 0 | 0.4933333 |
| 2 | 1.02E+08 | T>C | 0 | 0.435 | 0 | 0.3233333 |
| 2 | 1.02E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 2 | 1.02E+08 | C>T | 0 | 0.308333333 | 0 | 0 |
| 2 | 1.02E+08 | A>T | 0 | 0 | 0.333333333 | 0 |
| 2 | 1.03E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 2 | 1.03E+08 | C>T | 0 | 0 | 0 | 0.4766667 |
| 2 | 1.06E+08 | G>A | 0 | 0 | 0 | 0.7066667 |
| 2 | 1.06E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 2 | 1.09E+08 | T>G | 0 | 0.356666667 | 0 | 0 |
| 2 | 1.1E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.1E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.1E+08 | T>C | 0 | 0 | 0 | 0.5766667 |
| 2 | 1.1E+08 | G>A | 0 | 0 | 0 | 0.3333333 |
| 2 | 1.1E+08 | A>G | 0 | 0.345 | 0 | 0 |
| 2 | 1.11E+08 | G>C | 0 | 0 | 0 | 0.73 |
| 2 | 1.11E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 2 | 1.11E+08 | C>T | 0 | 0 | 0 | 0.4333333 |
| 2 | 1.12E+08 | C>T | 0 | 0.37 | 0.323333333 | 0 |
| 2 | 1.12E+08 | G>A | 0 | 0 | 0 | 0.54 |
| 2 | 1.12E+08 | A>G | 0 | 0 | 0 | 0.4633333 |
| 2 | 1.12E+08 | C>T | 0 | 0 | 0 | 0.5133333 |
| 2 | 1.13E+08 | T>A | 0 | 0.476666667 | 0 | 0 |
| 2 | 1.13E+08 | A>G | 0 | 0.4 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 2 | 1.13E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 3 | 2 | 1.13E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 4 | 2 | 1.13E+08 | C>T | 0 | 0 | 0 | 0 |
| 5 | 2 | 1.13E+08 | A>G | 0 | 0 | 0 | 0 |
| 6 | 2 | 1.13E+08 | T>C | 0 | 0.46 | 0 | 0 |
| 7 | 2 | 1.13E+08 | C>T | 0 | 0.463333333 | 0 | 0 |
| 8 | 2 | 1.13E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 9 | 2 | 1.13E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 10 | 2 | 1.13E+08 | C>T | 0 | 0.333333333 | 0 | 0.4766667 |
| 11 | 2 | 1.13E+08 | A>G | 0 | 0.686666667 | 0 | 0 |
| 12 | 2 | 1.13E+08 | T>C | 0 | 0.5 | 0 | 0 |
| 13 | 2 | 1.14E+08 | C>T | 0 | 0.435 | 0 | 0 |
| 14 | 2 | 1.16E+08 | T>A | 0 | 0 | 0 | 0 |
| 15 | 2 | 1.16E+08 | C>A | 0 | 0.445 | 0 | 0 |
| 16 | 2 | 1.16E+08 | C>T | 0 | 0 | 0.391666667 | 0 |
| 17 | 2 | 1.16E+08 | C>T | 0 | 0 | 0 | 0.4766667 |
| 18 | 2 | 1.16E+08 | C>T | 0 | 0 | 0.641666667 | 0 |
| 19 | 2 | 1.16E+08 | T>C | 0 | 0 | 0 | 0 |
| 20 | 2 | 1.16E+08 | A>G | 0 | 0.346666667 | 0 | 0 |
| 21 | 2 | 1.17E+08 | G>T | 0 | 0.351666667 | 0 | 0 |
| 22 | 2 | 1.17E+08 | A>C | 0 | 0.448333333 | 0 | 0 |
| 23 | 2 | 1.17E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 24 | 2 | 1.19E+08 | G>C | 0 | 0.385 | 0 | 0.4333333 |
| 25 | 2 | 1.2E+08 | C>T | 0 | 0 | 0 | 0 |
| 26 | 2 | 1.2E+08 | G>A | 0 | 0.353333333 | 0 | 0 |
| 27 | 2 | 1.2E+08 | C>T | 0 | 0 | 0 | 0.4533333 |
| 28 | 2 | 1.2E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 29 | 2 | 1.2E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 30 | 2 | 1.2E+08 | T>C | 0 | 0 | 0 | 0 |
| 31 | 2 | 1.2E+08 | G>A | 0 | 0.686666667 | 0 | 0 |
| 32 | 2 | 1.2E+08 | T>C | 0 | 0.313333333 | 0 | 0 |
| 33 | 2 | 1.21E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 34 | 2 | 1.21E+08 | G>C | 0 | 0.438333333 | 0 | 0 |
| 35 | 2 | 1.21E+08 | A>G | 0 | 0 | 0 | 0.5566667 |
| 36 | 2 | 1.21E+08 | C>T | 0 | 0.435 | 0 | 0 |
| 37 | 2 | 1.21E+08 | A>G | 0 | 0 | 0.476666667 | 0 |
| 38 | 2 | 1.21E+08 | T>C | 0 | 0.313333333 | 0 | 0 |
| 39 | 2 | 1.21E+08 | G>A | 0 | 0.346666667 | 0 | 0 |
| 40 | 2 | 1.21E+08 | A>G | 0 | 0.613333333 | 0 | 0 |
| 41 | 2 | 1.21E+08 | C>T | 0 | 0 | 0 | 0.31 |
| 42 | 2 | 1.21E+08 | T>C | 0 | 0 | 0.346666667 | 0 |
| 43 | 2 | 1.21E+08 | T>G | 0 | 0 | 0 | 0 |
| 44 | 2 | 1.21E+08 | C>T | 0 | 0 | 0 | 0 |
| 45 | 2 | 1.21E+08 | T>C | 0 | 0.438333333 | 0 | 0 |
| 46 | 2 | 1.21E+08 | G>A | 0 | 0 | 0 | 0.5066667 |
| 47 | 2 | 1.21E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 48 | 2 | 1.22E+08 | T>C | 0 | 0.391666667 | 0 | 0.4533333 |
| 49 | 2 | 1.22E+08 | A>G | 0 | 0 | 0 | 0 |
| 50 | 2 | 1.22E+08 | C>T | 0 | 0.385 | 0 | 0.5833333 |
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| 2 | 1.22E+08 | A>G | 0 | 0 | 0 | 0.4166667 |
| 2 | 1.22E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.22E+08 | G>A | 0 | 0.455 | 0 | 0.91 |
| 2 | 1.22E+08 | G>A | 0 | 0 | 0 | 0.3866667 |
| 2 | 1.22E+08 | T>C | 0 | 0.526666667 | 0 | 0 |
| 2 | 1.22E+08 | G>C | 0 | 0.445 | 0 | 0 |
| 2 | 1.22E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.22E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.22E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.25E+08 | C>T | 0 | 0.343333333 | 0 | 0 |
| 2 | 1.25E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 1.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.25E+08 | G>A | 0 | 0 | 0 | 0.3333333 |
| 2 | 1.25E+08 | A>G | 0 | 0 | 0.388333333 | 0 |
| 2 | 1.25E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 2 | 1.25E+08 | G>A | 0 | 0.49 | 0 | 0 |
| 2 | 1.28E+08 | A>G | 0 | 0.513333333 | 0 | 0 |
| 2 | 1.28E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 1.28E+08 | T>G | 0 | 0 | 0 | 0.3633333 |
| 2 | 1.28E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 2 | 1.28E+08 | A>G | 0 | 0.316666667 | 0 | 0 |
| 2 | 1.28E+08 | C>G | 0 | 0.625 | 0 | 0 |
| 2 | 1.28E+08 | T>C | 0 | 0 | 0.346666667 | 0 |
| 2 | 1.28E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 2 | 1.29E+08 | T>C | 0 | 0 | 0 | 0.6833333 |
| 2 | 1.29E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.29E+08 | T>G | 0 | 0 | 0 | 0.45 |
| 2 | 1.29E+08 | T>C | 0 | 0.58 | 0 | 0 |
| 2 | 1.29E+08 | A>C | 0 | 0 | 0 | 0 |
| 2 | 1.29E+08 | T>A | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.29E+08 | A>C | 0 | 0.455 | 0 | 0 |
| 2 | 1.32E+08 | A>G | 0 | 0.356666667 | 0 | 0 |
| 2 | 1.32E+08 | G>A | 0 | 0.666666667 | 0 | 0 |
| 2 | 1.32E+08 | A>T | 0 | 0.513333333 | 0 | 0 |
| 2 | 1.32E+08 | G>C | 0 | 0.385 | 0 | 0 |
| 2 | 1.32E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.32E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.32E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 2 | 1.33E+08 | T>C | 0 | 0 | 0 | 0.36 |
| 2 | 1.33E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 1.33E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.34E+08 | A>G | 0 | 0.5 | 0 | 0.7133333 |
| 2 | 1.34E+08 | G>A | 0 | 0.606666667 | 0 | 0 |
| 2 | 1.34E+08 | C>A | 0 | 0.303333333 | 0 | 0 |
| 2 | 1.34E+08 | A>T | 0 | 0.333333333 | 0 | 0.52 |
| 2 | 1.35E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 1.35E+08 | A>G | 0 | 0 | 0.343333333 | 0 |
| 2 | 1.35E+08 | G>A | 0 | 0 | 0.513333333 | 0 |
| 2 | 1.35E+08 | C>A | 0 | 0 | 0 | 0.6466667 |

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| 2 | 2 | 1.35E+08 | G>C | 0 | 0.313333333 | 0 | 0.3933333 |
| 3 | 2 | 1.36E+08 | T>C | 0 | 0.4 | 0 | 0 |
| 4 | 2 | 1.36E+08 | C>A | 0 | 0.356666667 | 0 | 0.3433333 |
| 5 | 2 | 1.36E+08 | C>T | 0 | 0.333333333 | 0 | 0.3766667 |
| 6 | 2 | 1.36E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 7 | 2 | 1.36E+08 | G>A | 0 | 0 | 0.333333333 | 0.5966667 |
| 8 | 2 | 1.36E+08 | C>A | 0 | 0 | 0.308333333 | 0 |
| 9 | 2 | 1.36E+08 | C>G | 0 | 0.401666667 | 0 | 0 |
| 10 | 2 | 1.36E+08 | A>G | 0 | 0.51 | 0 | 0.3033333 |
| 11 | 2 | 1.36E+08 | C>A | 0 | 0 | 0.333333333 | 0 |
| 12 | 2 | 1.36E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 13 | 2 | 1.36E+08 | T>C | 0 | 0 | 0.351666667 | 0 |
| 14 | 2 | 1.36E+08 | A>G | 0 | 0.308333333 | 0 | 0 |
| 15 | 2 | 1.36E+08 | A>G | 0 | 0.416666667 | 0 | 0.3166667 |
| 16 | 2 | 1.36E+08 | A>G | 0 | 0 | 0.303333333 | 0 |
| 17 | 2 | 1.36E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 18 | 2 | 1.36E+08 | T>C | 0 | 0 | 0 | 0 |
| 19 | 2 | 1.36E+08 | T>A | 0 | 0 | 0 | 0 |
| 20 | 2 | 1.36E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 21 | 2 | 1.37E+08 | G>T | 0 | 0.49 | 0 | 0 |
| 22 | 2 | 1.37E+08 | A>C | 0 | 0 | 0 | 0 |
| 23 | 2 | 1.37E+08 | C>T | 0 | 0 | 0 | 0 |
| 24 | 2 | 1.37E+08 | A>G | 0 | 0 | 0 | 0.7933333 |
| 25 | 2 | 1.38E+08 | G>A | 0 | 0 | 0 | 0 |
| 26 | 2 | 1.38E+08 | G>T | 0 | 0 | 0 | 0.3433333 |
| 27 | 2 | 1.38E+08 | G>A | 0 | 0 | 0.361666667 | 0 |
| 28 | 2 | 1.38E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 29 | 2 | 1.39E+08 | G>A | 0 | 0 | 0 | 0.37 |
| 30 | 2 | 1.39E+08 | G>A | 0 | 0.678333333 | 0 | 0 |
| 31 | 2 | 1.39E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 32 | 2 | 1.41E+08 | A>C | 0 | 0 | 0 | 0 |
| 33 | 2 | 1.41E+08 | T>A | 0 | 0 | 0 | 0 |
| 34 | 2 | 1.41E+08 | A>G | 0 | 0 | 0 | 0 |
| 35 | 2 | 1.41E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 36 | 2 | 1.42E+08 | C>G | 0 | 0 | 0 | 0 |
| 37 | 2 | 1.42E+08 | T>A | 0 | 0 | 0.361666667 | 0.3166667 |
| 38 | 2 | 1.42E+08 | G>A | 0 | 0 | 0 | 0.3566667 |
| 39 | 2 | 1.42E+08 | A>G | 0 | 0 | 0 | 0.37 |
| 40 | 2 | 1.42E+08 | G>A | 0 | 0.476666667 | 0 | 0 |
| 41 | 2 | 1.42E+08 | G>A | 0 | 0 | 0 | 0.3566667 |
| 42 | 2 | 1.42E+08 | T>C | 0 | 0.438333333 | 0 | 0.3433333 |
| 43 | 2 | 1.42E+08 | A>T | 0 | 0 | 0 | 0 |
| 44 | 2 | 1.42E+08 | C>T | 0 | 0 | 0 | 0 |
| 45 | 2 | 1.44E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 46 | 2 | 1.44E+08 | A>T | 0 | 0.356666667 | 0 | 0 |
| 47 | 2 | 1.44E+08 | T>C | 0 | 0 | 0 | 0 |
| 48 | 2 | 1.45E+08 | T>G | 0 | 0 | 0 | 0 |
| 49 | 2 | 1.45E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 50 | 2 | 1.45E+08 | A>G | 0 | 0 | 0 | 0 |
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| 2 | 1.45E+08 | T>C | 0 | 0 | 0.416666667 | 0 |
| 2 | 1.45E+08 | A>G | 0 | 0 | 0 | 0.60666667 |
| 2 | 1.49E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.49E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.49E+08 | A>G | 0 | 0 | 0 | 0.6 |
| 2 | 1.49E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.49E+08 | G>A | 0 | 0 | 0 | 0.58 |
| 2 | 1.49E+08 | G>T | 0 | 0.356666667 | 0 | 0 |
| 2 | 1.49E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.49E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.49E+08 | G>C | 0 | 0 | 0 | 0 |
| 2 | 1.49E+08 | C>G | 0 | 0 | 0 | 0.4933333 |
| 2 | 1.49E+08 | A>T | 0 | 0 | 0 | 0 |
| 2 | 1.49E+08 | T>C | 0 | 0.316666667 | 0 | 0 |
| 2 | 1.49E+08 | C>T | 0 | 0.533333333 | 0 | 0.3166667 |
| 2 | 1.49E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.49E+08 | C>G | 0 | 0.555 | 0 | 0 |
| 2 | 1.49E+08 | A>G | 0 | 0 | 0 | 0.45 |
| 2 | 1.49E+08 | T>C | 0 | 0 | 0 | 0.3033333 |
| 2 | 1.49E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.5E+08 | G>C | 0 | 0 | 0 | 0 |
| 2 | 1.5E+08 | T>C | 0 | 0 | 0 | 0.6666667 |
| 2 | 1.5E+08 | G>A | 0 | 0.49 | 0 | 0 |
| 2 | 1.52E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.52E+08 | A>C | 0 | 0.385 | 0 | 0 |
| 2 | 1.52E+08 | G>A | 0 | 0.333333333 | 0.361666667 | 0 |
| 2 | 1.52E+08 | T>G | 0 | 0.521666667 | 0 | 0 |
| 2 | 1.52E+08 | A>G | 0 | 0 | 0 | 0.44 |
| 2 | 1.52E+08 | T>C | 0 | 0 | 0 | 0.4533333 |
| 2 | 1.52E+08 | G>C | 0 | 0 | 0 | 0.69 |
| 2 | 1.52E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.53E+08 | A>T | 0 | 0 | 0 | 0 |
| 2 | 1.53E+08 | C>A | 0 | 0 | 0 | 0.8066667 |
| 2 | 1.53E+08 | C>T | 0 | 0 | 0 | 0.4033333 |
| 2 | 1.53E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.53E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.53E+08 | T>C | 0 | 0 | 0.476666667 | 0 |
| 2 | 1.53E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.53E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.53E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.53E+08 | T>C | 0 | 0 | 0 | 0.4066667 |
| 2 | 1.53E+08 | A>G | 0 | 0.32 | 0 | 0 |
| 2 | 1.54E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.54E+08 | A>G | 0 | 0 | 0 | 0.3133333 |
| 2 | 1.55E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.55E+08 | A>G | 0 | 0.595 | 0 | 0 |
| 2 | 1.55E+08 | A>T | 0 | 0.528333333 | 0 | 0 |
| 2 | 1.55E+08 | G>A | 0 | 0 | 0 | 0.6266667 |

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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 1.55E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 2 | 1.56E+08 | T>A | 0 | 0 | 0 | 0 |
| 2 | 1.56E+08 | G>A | 0 | 0.555 | 0 | 0.3166667 |
| 2 | 1.56E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 2 | 1.56E+08 | C>T | 0 | 0.466666667 | 0 | 0 |
| 2 | 1.56E+08 | T>C | 0 | 0 | 0 | 0.7633333 |
| 2 | 1.57E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.57E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.57E+08 | T>C | 0 | 0 | 0 | 0.4766667 |
| 2 | 1.57E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.57E+08 | A>C | 0 | 0 | 0 | 0 |
| 2 | 1.58E+08 | G>A | 0 | 0 | 0 | 0.6066667 |
| 2 | 1.58E+08 | T>C | 0 | 0.445 | 0.385 | 0 |
| 2 | 1.59E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.59E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 2 | 1.59E+08 | T>C | 0 | 0 | 0 | 0.3933333 |
| 2 | 1.59E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.59E+08 | C>T | 0 | 0 | 0 | 0.5 |
| 2 | 1.59E+08 | A>C | 0 | 0 | 0 | 0.5 |
| 2 | 1.59E+08 | G>T | 0 | 0.306666667 | 0 | 0.3266667 |
| 2 | 1.59E+08 | C>T | 0 | 0 | 0.333333333 | 0 |
| 2 | 1.59E+08 | G>A | 0 | 0 | 0 | 0.3233333 |
| 2 | 1.59E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.59E+08 | A>T | 0 | 0 | 0 | 0 |
| 2 | 1.59E+08 | C>A | 0 | 0.5 | 0 | 0.38 |
| 2 | 1.59E+08 | G>C | 0 | 0 | 0 | 0.5133333 |
| 2 | 1.59E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.59E+08 | A>C | 0 | 0 | 0 | 0 |
| 2 | 1.6E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.6E+08 | G>A | 0 | 0 | 0 | 0.4166667 |
| 2 | 1.6E+08 | C>T | 0 | 0.513333333 | 0 | 0 |
| 2 | 1.6E+08 | G>A | 0 | 0 | 0 | 0.7133333 |
| 2 | 1.6E+08 | T>G | 0 | 0 | 0 | 0 |
| 2 | 1.6E+08 | T>A | 0 | 0 | 0 | 0.5566667 |
| 2 | 1.6E+08 | T>C | 0 | 0 | 0 | 0.4333333 |
| 2 | 1.6E+08 | T>C | 0 | 0 | 0 | 0.4933333 |
| 2 | 1.6E+08 | G>A | 0 | 0.303333333 | 0 | 0 |
| 2 | 1.6E+08 | T>C | 0 | 0 | 0 | 0.4 |
| 2 | 1.6E+08 | T>C | 0 | 0 | 0 | 0.6666667 |
| 2 | 1.6E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.6E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.6E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.6E+08 | C>A | 0 | 0.385 | 0 | 0 |
| 2 | 1.6E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 2 | 1.6E+08 | A>T | 0 | 0.715 | 0 | 0.5566667 |
| 2 | 1.61E+08 | T>C | 0 | 0 | 0.303333333 | 0.7133333 |
| 2 | 1.61E+08 | A>G | 0 | 0.378333333 | 0 | 0.4766667 |
| 2 | 1.61E+08 | A>G | 0 | 0.37 | 0 | 0.5333333 |
| 2 | 1.61E+08 | G>C | 0 | 0.356666667 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 1.61E+08 | A>T | 0 | 0.506666667 | 0.32 | 0 |
| 2 | 1.61E+08 | T>C | 0 | 0.346666667 | 0 | 0 |
| 2 | 1.61E+08 | T>C | 0 | 0.323333333 | 0 | 0 |
| 2 | 1.61E+08 | A>C | 0 | 0 | 0 | 0 |
| 2 | 1.61E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.61E+08 | G>A | 0 | 0 | 0 | 0.5966667 |
| 2 | 1.61E+08 | A>G | 0 | 0.333333333 | 0 | 0.4533333 |
| 2 | 1.61E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.62E+08 | A>T | 0 | 0 | 0 | 0.57 |
| 2 | 1.62E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.62E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.63E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.63E+08 | C>T | 0 | 0.715 | 0.555 | 0 |
| 2 | 1.63E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 1.63E+08 | A>G | 0 | 0.356666667 | 0 | 0 |
| 2 | 1.63E+08 | G>T | 0 | 0 | 0 | 0 |
| 2 | 1.63E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.63E+08 | G>A | 0 | 0 | 0 | 0.69 |
| 2 | 1.63E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.64E+08 | C>G | 0 | 0 | 0 | 0.5966667 |
| 2 | 1.64E+08 | A>T | 0 | 0.308333333 | 0 | 0 |
| 2 | 1.65E+08 | A>C | 0 | 0 | 0 | 0.38 |
| 2 | 1.66E+08 | A>G | 0 | 0.356666667 | 0 | 0.37 |
| 2 | 1.66E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 2 | 1.67E+08 | A>G | 0 | 0 | 0 | 0.4 |
| 2 | 1.67E+08 | A>G | 0 | 0 | 0 | 0.6866667 |
| 2 | 1.68E+08 | G>C | 0 | 0.391666667 | 0 | 0 |
| 2 | 1.68E+08 | T>C | 0 | 0.333333333 | 0 | 0.8066667 |
| 2 | 1.68E+08 | G>A | 0 | 0 | 0.641666667 | 0 |
| 2 | 1.68E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.69E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.69E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.7E+08 | T>G | 0 | 0 | 0 | 0.4866667 |
| 2 | 1.7E+08 | T>C | 0 | 0 | 0 | 0.7533333 |
| 2 | 1.7E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 2 | 1.7E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.7E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.7E+08 | C>A | 0 | 0.351666667 | 0 | 0 |
| 2 | 1.7E+08 | A>C | 0 | 0 | 0 | 0 |
| 2 | 1.7E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.7E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 2 | 1.7E+08 | T>A | 0 | 0 | 0 | 0.5966667 |
| 2 | 1.7E+08 | A>G | 0 | 0 | 0.476666667 | 0 |
| 2 | 1.7E+08 | A>G | 0 | 0.595 | 0 | 0 |
| 2 | 1.7E+08 | A>G | 0 | 0.521666667 | 0 | 0 |
| 2 | 1.71E+08 | G>T | 0 | 0 | 0 | 0 |
| 2 | 1.71E+08 | A>G | 0 | 0 | 0.333333333 | 0 |
| 2 | 1.71E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 2 | 1.71E+08 | C>G | 0 | 0.37 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|------------|
| 2 | 1.71E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.71E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.71E+08 | T>C | 0 | 0.686666667 | 0 | 0 |
| 2 | 1.71E+08 | T>G | 0 | 0 | 0.58 | 0 |
| 2 | 1.71E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.71E+08 | G>A | 0 | 0 | 0 | 0.33333333 |
| 2 | 1.71E+08 | G>T | 0 | 0 | 0 | 0.43 |
| 2 | 1.71E+08 | C>A | 0 | 0 | 0 | 0.4 |
| 2 | 1.71E+08 | T>C | 0 | 0 | 0.303333333 | 0 |
| 2 | 1.72E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 2 | 1.72E+08 | A>G | 0 | 0.521666667 | 0 | 0 |
| 2 | 1.72E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 2 | 1.72E+08 | A>G | 0 | 0.303333333 | 0 | 0.3566667 |
| 2 | 1.72E+08 | C>T | 0 | 0 | 0 | 0.30333333 |
| 2 | 1.72E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.72E+08 | A>G | 0 | 0 | 0 | 0.6066667 |
| 2 | 1.72E+08 | A>C | 0 | 0 | 0 | 0.30333333 |
| 2 | 1.72E+08 | C>T | 0 | 0.396666667 | 0 | 0 |
| 2 | 1.72E+08 | C>A | 0 | 0.313333333 | 0 | 0 |
| 2 | 1.73E+08 | C>T | 0 | 0.333333333 | 0 | 0.31333333 |
| 2 | 1.73E+08 | T>C | 0 | 0.316666667 | 0 | 0 |
| 2 | 1.73E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.73E+08 | T>C | 0 | 0 | 0 | 0.3566667 |
| 2 | 1.73E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.73E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.73E+08 | A>G | 0 | 0 | 0 | 0.35333333 |
| 2 | 1.73E+08 | A>G | 0 | 0.356666667 | 0 | 0 |
| 2 | 1.73E+08 | T>A | 0 | 0 | 0 | 0 |
| 2 | 1.73E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.73E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.73E+08 | C>A | 0 | 0.513333333 | 0 | 0 |
| 2 | 1.73E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 2 | 1.74E+08 | C>T | 0 | 0 | 0 | 0.4766667 |
| 2 | 1.74E+08 | G>A | 0 | 0 | 0 | 0.43333333 |
| 2 | 1.74E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 2 | 1.74E+08 | T>C | 0 | 0.486666667 | 0 | 0 |
| 2 | 1.74E+08 | T>A | 0 | 0 | 0 | 0 |
| 2 | 1.75E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 1.75E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.75E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.75E+08 | G>A | 0 | 0.513333333 | 0 | 0 |
| 2 | 1.75E+08 | A>G | 0 | 0.435 | 0 | 0 |
| 2 | 1.75E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 2 | 1.75E+08 | C>G | 0 | 0.396666667 | 0 | 0 |
| 2 | 1.75E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.76E+08 | A>G | 0 | 0 | 0.476666667 | 0 |
| 2 | 1.76E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.76E+08 | C>G | 0 | 0 | 0 | 0.40333333 |
| 2 | 1.76E+08 | A>T | 0 | 0.908333333 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 1.76E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 1.76E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.76E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.76E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.77E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.77E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.77E+08 | G>T | 0 | 0.356666667 | 0 | 0 |
| 2 | 1.77E+08 | A>G | 0 | 0.385 | 0 | 0.4766667 |
| 2 | 1.77E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.78E+08 | T>C | 0 | 0 | 0 | 0.5266667 |
| 2 | 1.78E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.78E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.78E+08 | A>C | 0 | 0 | 0 | 0 |
| 2 | 1.79E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 2 | 1.79E+08 | G>C | 0 | 0.5 | 0 | 0 |
| 2 | 1.79E+08 | C>A | 0 | 0 | 0 | 0.3233333 |
| 2 | 1.79E+08 | T>C | 0 | 0.701666667 | 0 | 0 |
| 2 | 1.79E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.79E+08 | T>C | 0 | 0 | 0.416666667 | 0.4166667 |
| 2 | 1.79E+08 | T>C | 0 | 0.521666667 | 0.356666667 | 0.4166667 |
| 2 | 1.79E+08 | G>A | 0 | 0.435 | 0 | 0 |
| 2 | 1.79E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.79E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 1.79E+08 | C>T | 0 | 0.73 | 0 | 0 |
| 2 | 1.79E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.8E+08 | C>A | 0 | 0.666666667 | 0 | 0 |
| 2 | 1.8E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.8E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 2 | 1.8E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.8E+08 | C>T | 0 | 0 | 0.445 | 0 |
| 2 | 1.8E+08 | C>A | 0 | 0.37 | 0 | 0 |
| 2 | 1.8E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 1.8E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.8E+08 | C>G | 0 | 0.49 | 0 | 0 |
| 2 | 1.8E+08 | T>G | 0 | 0.37 | 0 | 0.4166667 |
| 2 | 1.8E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.8E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.81E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.81E+08 | A>G | 0 | 0 | 0.308333333 | 0.3933333 |
| 2 | 1.82E+08 | G>A | 0 | 0.555 | 0 | 0.4166667 |
| 2 | 1.82E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 1.83E+08 | A>G | 0 | 0 | 0.303333333 | 0.3033333 |
| 2 | 1.83E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.83E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 2 | 1.83E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.83E+08 | G>A | 0 | 0.381666667 | 0 | 0 |
| 2 | 1.83E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 2 | 1.84E+08 | T>G | 0 | 0 | 0 | 0 |
| 2 | 1.84E+08 | A>G | 0 | 0 | 0 | 0.5566667 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 2 | 1.84E+08 | T>C | 0 | 0.353333333 | 0 | 0 |
| 3 | 2 | 1.84E+08 | C>T | 0 | 0.375 | 0 | 0 |
| 4 | 2 | 1.87E+08 | A>G | 0 | 0 | 0.455 | 0 |
| 5 | 2 | 1.88E+08 | G>A | 0 | 0.313333333 | 0 | 0 |
| 6 | 2 | 1.89E+08 | G>A | 0 | 0 | 0 | 0 |
| 7 | 2 | 1.89E+08 | T>C | 0 | 0.385 | 0 | 0.38333333 |
| 8 | 2 | 1.9E+08 | C>A | 0 | 0 | 0 | 0 |
| 9 | 2 | 1.9E+08 | G>A | 0 | 0 | 0 | 0 |
| 10 | 2 | 1.9E+08 | G>A | 0 | 0.32 | 0 | 0 |
| 11 | 2 | 1.91E+08 | T>G | 0 | 0.555 | 0 | 0 |
| 12 | 2 | 1.91E+08 | A>C | 0 | 0.416666667 | 0 | 0 |
| 13 | 2 | 1.91E+08 | A>G | 0 | 0 | 0.385 | 0 |
| 14 | 2 | 1.91E+08 | G>C | 0 | 0 | 0 | 0 |
| 15 | 2 | 1.91E+08 | A>G | 0 | 0 | 0.455 | 0.3166667 |
| 16 | 2 | 1.91E+08 | G>T | 0 | 0.303333333 | 0 | 0 |
| 17 | 2 | 1.91E+08 | T>A | 0 | 0 | 0.416666667 | 0 |
| 18 | 2 | 1.91E+08 | A>G | 0 | 0.381666667 | 0 | 0.58 |
| 19 | 2 | 1.92E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 20 | 2 | 1.92E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 21 | 2 | 1.92E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 22 | 2 | 1.92E+08 | A>G | 0 | 0.316666667 | 0 | 0.36333333 |
| 23 | 2 | 1.92E+08 | A>C | 0 | 0.666666667 | 0 | 0 |
| 24 | 2 | 1.92E+08 | T>C | 0 | 0 | 0 | 0 |
| 25 | 2 | 1.92E+08 | C>T | 0 | 0 | 0 | 0 |
| 26 | 2 | 1.92E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 27 | 2 | 1.93E+08 | A>G | 0 | 0 | 0 | 0 |
| 28 | 2 | 1.97E+08 | C>G | 0 | 0 | 0 | 0 |
| 29 | 2 | 1.97E+08 | C>G | 0 | 0 | 0 | 0 |
| 30 | 2 | 1.97E+08 | G>T | 0 | 0 | 0 | 0 |
| 31 | 2 | 1.97E+08 | A>G | 0 | 0.303333333 | 0 | 0.59333333 |
| 32 | 2 | 1.97E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 33 | 2 | 1.97E+08 | A>G | 0 | 0 | 0 | 0 |
| 34 | 2 | 1.97E+08 | T>C | 0 | 0 | 0 | 0.62 |
| 35 | 2 | 1.97E+08 | T>A | 0 | 0 | 0 | 0.7766667 |
| 36 | 2 | 1.97E+08 | C>T | 0 | 0 | 0 | 0 |
| 37 | 2 | 1.98E+08 | G>A | 0 | 0 | 0 | 0 |
| 38 | 2 | 1.98E+08 | C>T | 0 | 0 | 0 | 0 |
| 39 | 2 | 1.98E+08 | T>A | 0 | 0.5 | 0 | 0 |
| 40 | 2 | 1.98E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 41 | 2 | 1.98E+08 | C>T | 0 | 0 | 0 | 0.46 |
| 42 | 2 | 1.98E+08 | A>G | 0 | 0 | 0 | 0.57333333 |
| 43 | 2 | 1.98E+08 | T>C | 0 | 0 | 0 | 0 |
| 44 | 2 | 1.98E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 45 | 2 | 1.98E+08 | T>C | 0 | 0.313333333 | 0.463333333 | 0 |
| 46 | 2 | 1.98E+08 | A>G | 0 | 0 | 0 | 0 |
| 47 | 2 | 1.98E+08 | T>C | 0 | 0 | 0 | 0 |
| 48 | 2 | 1.98E+08 | A>G | 0 | 0 | 0 | 0.5066667 |
| 49 | 2 | 1.98E+08 | T>G | 0 | 0.533333333 | 0 | 0.34333333 |
| 50 | 2 | 1.98E+08 | T>C | 0 | 0.37 | 0.32 | 0 |
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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 1.98E+08 | G>C | 0 | 0 | 0 | 0 |
| 2 | 1.98E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 1.98E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.98E+08 | G>C | 0 | 0.555 | 0 | 0 |
| 2 | 1.98E+08 | T>G | 0 | 0.606666667 | 0 | 0 |
| 2 | 1.98E+08 | C>T | 0 | 0 | 0 | 0.4 |
| 2 | 1.99E+08 | G>C | 0 | 0.308333333 | 0 | 0 |
| 2 | 1.99E+08 | C>T | 0 | 0.686666667 | 0 | 0 |
| 2 | 1.99E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 1.99E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 1.99E+08 | A>G | 0 | 0.438333333 | 0 | 0 |
| 2 | 1.99E+08 | C>T | 0 | 0 | 0.606666667 | 0 |
| 2 | 1.99E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 1.99E+08 | T>C | 0 | 0.385 | 0.445 | 0 |
| 2 | 2.01E+08 | T>A | 0 | 0.833333333 | 0 | 0 |
| 2 | 2.01E+08 | A>G | 0 | 0 | 0 | 0.3033333 |
| 2 | 2.01E+08 | A>T | 0 | 0 | 0 | 0 |
| 2 | 2.02E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 2 | 2.02E+08 | A>G | 0 | 0.303333333 | 0 | 0.3033333 |
| 2 | 2.02E+08 | T>C | 0 | 0.493333333 | 0 | 0 |
| 2 | 2.02E+08 | A>G | 0 | 0.43 | 0.476666667 | 0 |
| 2 | 2.02E+08 | A>G | 0 | 0 | 0.463333333 | 0.3033333 |
| 2 | 2.02E+08 | T>C | 0 | 0.356666667 | 0 | 0.63 |
| 2 | 2.02E+08 | T>C | 0 | 0 | 0 | 0.5133333 |
| 2 | 2.02E+08 | G>C | 0 | 0 | 0 | 0.5066667 |
| 2 | 2.02E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 2 | 2.02E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.02E+08 | A>G | 0 | 0.53 | 0 | 0.45 |
| 2 | 2.02E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.02E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 2 | 2.02E+08 | G>A | 0 | 0.313333333 | 0 | 0.4 |
| 2 | 2.02E+08 | G>A | 0 | 0.476666667 | 0 | 0.3966667 |
| 2 | 2.03E+08 | G>T | 0 | 0 | 0 | 0.8333333 |
| 2 | 2.03E+08 | A>G | 0 | 0.313333333 | 0 | 0 |
| 2 | 2.03E+08 | A>T | 0 | 0.43 | 0 | 0 |
| 2 | 2.03E+08 | T>C | 0 | 0.641666667 | 0 | 0 |
| 2 | 2.03E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 2 | 2.03E+08 | G>C | 0 | 0.303333333 | 0 | 0 |
| 2 | 2.03E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 2 | 2.03E+08 | G>A | 0 | 0.323333333 | 0 | 0 |
| 2 | 2.03E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.03E+08 | A>G | 0 | 0 | 0.341666667 | 0 |
| 2 | 2.03E+08 | T>C | 0 | 0.666666667 | 0 | 0 |
| 2 | 2.03E+08 | T>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 2.03E+08 | A>G | 0 | 0.333333333 | 0 | 0.6666667 |
| 2 | 2.03E+08 | C>G | 0 | 0.353333333 | 0 | 0 |
| 2 | 2.03E+08 | A>G | 0 | 0 | 0 | 0.43 |
| 2 | 2.03E+08 | G>C | 0 | 0.346666667 | 0 | 0 |
| 2 | 2.03E+08 | G>T | 0 | 0.333333333 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 2 | 2.03E+08 | T>G | 0 | 0.356666667 | 0 | 0 |
| 3 | 2 | 2.03E+08 | G>A | 0 | 0 | 0 | 0 |
| 4 | 2 | 2.03E+08 | G>A | 0 | 0.431666667 | 0 | 0 |
| 5 | 2 | 2.04E+08 | C>T | 0 | 0 | 0.356666667 | 0 |
| 6 | 2 | 2.04E+08 | C>T | 0 | 0 | 0 | 0.5066667 |
| 7 | 2 | 2.04E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 8 | 2 | 2.04E+08 | A>G | 0 | 0.385 | 0 | 0.4266667 |
| 9 | 2 | 2.04E+08 | A>G | 0 | 0.431666667 | 0 | 0.45 |
| 10 | 2 | 2.04E+08 | T>C | 0 | 0 | 0.448333333 | 0 |
| 11 | 2 | 2.04E+08 | C>G | 0 | 0.448333333 | 0 | 0.3166667 |
| 12 | 2 | 2.04E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 13 | 2 | 2.04E+08 | C>T | 0 | 0 | 0 | 0.5566667 |
| 14 | 2 | 2.04E+08 | A>G | 0 | 0 | 0 | 0 |
| 15 | 2 | 2.04E+08 | A>G | 0 | 0 | 0.313333333 | 0.5866667 |
| 16 | 2 | 2.04E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 17 | 2 | 2.04E+08 | C>T | 0 | 0 | 0 | 0 |
| 18 | 2 | 2.04E+08 | G>A | 0 | 0 | 0 | 0 |
| 19 | 2 | 2.04E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 20 | 2 | 2.04E+08 | A>G | 0 | 0.435 | 0 | 0 |
| 21 | 2 | 2.04E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 22 | 2 | 2.04E+08 | A>C | 0 | 0.333333333 | 0 | 0 |
| 23 | 2 | 2.04E+08 | A>G | 0 | 0.438333333 | 0 | 0 |
| 24 | 2 | 2.04E+08 | G>A | 0 | 0 | 0 | 0 |
| 25 | 2 | 2.04E+08 | A>G | 0 | 0 | 0 | 0.6266667 |
| 26 | 2 | 2.05E+08 | A>C | 0 | 0.356666667 | 0 | 0 |
| 27 | 2 | 2.05E+08 | C>T | 0 | 0 | 0.416666667 | 0 |
| 28 | 2 | 2.06E+08 | A>C | 0 | 0 | 0 | 0.3333333 |
| 29 | 2 | 2.06E+08 | A>T | 0 | 0 | 0 | 0 |
| 30 | 2 | 2.06E+08 | C>G | 0 | 0 | 0 | 0.4766667 |
| 31 | 2 | 2.06E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 32 | 2 | 2.06E+08 | G>T | 0 | 0 | 0 | 0.5966667 |
| 33 | 2 | 2.06E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 34 | 2 | 2.06E+08 | T>C | 0 | 0 | 0.333333333 | 0 |
| 35 | 2 | 2.06E+08 | T>G | 0 | 0 | 0 | 0.45 |
| 36 | 2 | 2.06E+08 | A>C | 0 | 0 | 0 | 0 |
| 37 | 2 | 2.06E+08 | C>G | 0 | 0.595 | 0 | 0 |
| 38 | 2 | 2.06E+08 | A>G | 0 | 0.666666667 | 0.333333333 | 0.37 |
| 39 | 2 | 2.07E+08 | A>G | 0 | 0 | 0 | 0 |
| 40 | 2 | 2.07E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 2 | 2.07E+08 | G>C | 0 | 0.401666667 | 0 | 0 |
| 42 | 2 | 2.07E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 43 | 2 | 2.07E+08 | T>A | 0 | 0.416666667 | 0 | 0 |
| 44 | 2 | 2.07E+08 | T>G | 0 | 0.463333333 | 0 | 0 |
| 45 | 2 | 2.07E+08 | T>C | 0 | 0.316666667 | 0 | 0 |
| 46 | 2 | 2.07E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 47 | 2 | 2.07E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 48 | 2 | 2.07E+08 | A>C | 0 | 0.666666667 | 0 | 0 |
| 49 | 2 | 2.08E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 50 | 2 | 2.08E+08 | T>G | 0 | 0 | 0 | 0 |
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| 2 | 2.08E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 2.08E+08 | G>T | 0 | 0 | 0 | 0.37 |
| 2 | 2.08E+08 | A>G | 0 | 0.356666667 | 0 | 0.31 |
| 2 | 2.09E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.09E+08 | A>G | 0 | 0.313333333 | 0 | 0 |
| 2 | 2.09E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.09E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.09E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 2 | 2.11E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.11E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.11E+08 | T>A | 0 | 0 | 0 | 0 |
| 2 | 2.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.11E+08 | C>T | 0 | 0 | 0 | 0.3533333 |
| 2 | 2.11E+08 | A>G | 0 | 0.303333333 | 0 | 0.3566667 |
| 2 | 2.11E+08 | G>A | 0 | 0.521666667 | 0.555 | 0 |
| 2 | 2.13E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.13E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 2 | 2.13E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.13E+08 | C>T | 0 | 0.391666667 | 0 | 0 |
| 2 | 2.13E+08 | A>G | 0 | 0 | 0 | 0.3433333 |
| 2 | 2.13E+08 | G>A | 0 | 0 | 0.303333333 | 0 |
| 2 | 2.13E+08 | G>A | 0 | 0.73 | 0 | 0 |
| 2 | 2.13E+08 | T>C | 0 | 0 | 0.416666667 | 0 |
| 2 | 2.13E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.13E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.13E+08 | T>C | 0 | 0.6 | 0 | 0 |
| 2 | 2.14E+08 | T>C | 0 | 0 | 0 | 0.3333333 |
| 2 | 2.14E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.14E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.14E+08 | A>G | 0 | 0 | 0.37 | 0.3266667 |
| 2 | 2.14E+08 | G>A | 0 | 0.588333333 | 0 | 0 |
| 2 | 2.14E+08 | A>C | 0 | 0 | 0.533333333 | 0.38 |
| 2 | 2.14E+08 | G>C | 0 | 0 | 0 | 0 |
| 2 | 2.14E+08 | C>T | 0 | 0.391666667 | 0 | 0 |
| 2 | 2.15E+08 | T>C | 0 | 0 | 0 | 0.6833333 |
| 2 | 2.15E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 2 | 2.15E+08 | T>A | 0 | 0 | 0 | 0 |
| 2 | 2.15E+08 | G>A | 0 | 0 | 0.303333333 | 0 |
| 2 | 2.15E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.15E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.15E+08 | A>C | 0 | 0 | 0.313333333 | 0 |
| 2 | 2.15E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 2 | 2.15E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 2 | 2.15E+08 | G>T | 0 | 0 | 0 | 0.4866667 |
| 2 | 2.16E+08 | T>C | 0 | 0 | 0 | 0.4166667 |
| 2 | 2.16E+08 | C>T | 0 | 0.4 | 0 | 0 |
| 2 | 2.16E+08 | G>C | 0 | 0.4 | 0 | 0 |
| 2 | 2.16E+08 | A>G | 0 | 0 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 2.16E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.16E+08 | T>C | 0 | 0 | 0 | 0.4266667 |
| 2 | 2.16E+08 | G>A | 0 | 0.43 | 0 | 0 |
| 2 | 2.16E+08 | T>C | 0 | 0.376666667 | 0.333333333 | 0 |
| 2 | 2.17E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.17E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.17E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.17E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 2 | 2.17E+08 | T>C | 0 | 0.5 | 0 | 0.6333333 |
| 2 | 2.17E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.17E+08 | T>C | 0 | 0.308333333 | 0 | 0 |
| 2 | 2.17E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 2 | 2.17E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 2.17E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 2.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.19E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 2 | 2.19E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.19E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.19E+08 | A>T | 0 | 0 | 0 | 0.61 |
| 2 | 2.19E+08 | C>T | 0 | 0.513333333 | 0 | 0 |
| 2 | 2.19E+08 | T>C | 0 | 0 | 0.316666667 | 0 |
| 2 | 2.19E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.19E+08 | T>C | 0 | 0 | 0 | 0.3133333 |
| 2 | 2.19E+08 | A>C | 0 | 0 | 0 | 0.6 |
| 2 | 2.19E+08 | A>T | 0 | 0 | 0 | 0.3233333 |
| 2 | 2.19E+08 | C>G | 0 | 0 | 0.493333333 | 0 |
| 2 | 2.2E+08 | C>T | 0 | 0 | 0.333333333 | 0 |
| 2 | 2.2E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | G>A | 0 | 0 | 0 | 0.6066667 |
| 2 | 2.2E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | A>G | 0 | 0.333333333 | 0.426666667 | 0 |
| 2 | 2.2E+08 | T>A | 0 | 0.356666667 | 0 | 0 |
| 2 | 2.2E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 2.2E+08 | A>T | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | G>T | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | T>A | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | T>G | 0 | 0 | 0 | 0.37 |
| 2 | 2.2E+08 | C>T | 0 | 0.438333333 | 0 | 0.37 |
| 2 | 2.2E+08 | A>T | 0 | 0 | 0 | 0 |
| 2 | 2.2E+08 | C>T | 0 | 0.416666667 | 0 | 0.3033333 |
| 2 | 2.2E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 2.22E+08 | T>C | 0 | 0.346666667 | 0 | 0 |
| 2 | 2.23E+08 | A>G | 0 | 0 | 0 | 0.4933333 |
| 2 | 2.23E+08 | A>G | 0 | 0 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|-----------|
| 2 | 2.23E+08 | T>C | 0 | 0.416666667 | 0.455 | 0 |
| 2 | 2.24E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 2 | 2.24E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 2 | 2.25E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 2 | 2.25E+08 | C>G | 0 | 0 | 0.333333333 | 0 |
| 2 | 2.25E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 2.25E+08 | A>T | 0 | 0 | 0 | 0 |
| 2 | 2.25E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.25E+08 | G>C | 0 | 0 | 0 | 0.5366667 |
| 2 | 2.25E+08 | A>T | 0 | 0.313333333 | 0 | 0 |
| 2 | 2.25E+08 | C>A | 0 | 0.351666667 | 0 | 0 |
| 2 | 2.26E+08 | C>T | 0 | 0 | 0 | 0.4166667 |
| 2 | 2.26E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 2.26E+08 | A>T | 0 | 0.476666667 | 0 | 0 |
| 2 | 2.26E+08 | A>G | 0 | 0 | 0 | 0.46 |
| 2 | 2.26E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 2.26E+08 | G>C | 0 | 0 | 0 | 0.3266667 |
| 2 | 2.26E+08 | G>T | 0 | 0 | 0 | 0 |
| 2 | 2.26E+08 | A>G | 0 | 0 | 0 | 0.52 |
| 2 | 2.28E+08 | A>G | 0 | 0 | 0.438333333 | 0 |
| 2 | 2.28E+08 | T>G | 0 | 0.606666667 | 0 | 0.35 |
| 2 | 2.28E+08 | A>G | 0 | 0.391666667 | 0 | 0 |
| 2 | 2.28E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.28E+08 | C>G | 0 | 0.435 | 0 | 0 |
| 2 | 2.28E+08 | G>C | 0 | 0 | 0.313333333 | 0 |
| 2 | 2.28E+08 | G>A | 0 | 0.333333333 | 0 | 0.4166667 |
| 2 | 2.28E+08 | C>T | 0 | 0 | 0.333333333 | 0 |
| 2 | 2.28E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.28E+08 | T>G | 0 | 0.37 | 0 | 0.3933333 |
| 2 | 2.28E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.29E+08 | T>C | 0 | 0.526666667 | 0 | 0 |
| 2 | 2.29E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 2 | 2.29E+08 | A>T | 0 | 0.333333333 | 0 | 0 |
| 2 | 2.29E+08 | T>C | 0 | 0 | 0.346666667 | 0.49 |
| 2 | 2.29E+08 | T>C | 0 | 0 | 0.416666667 | 0 |
| 2 | 2.29E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 2.3E+08 | G>A | 0 | 0 | 0.435 | 0 |
| 2 | 2.3E+08 | A>G | 0 | 0.391666667 | 0 | 0.4533333 |
| 2 | 2.3E+08 | C>T | 0 | 0 | 0 | 0.5566667 |
| 2 | 2.3E+08 | T>A | 0 | 0.37 | 0 | 0.5066667 |
| 2 | 2.3E+08 | T>C | 0 | 0 | 0 | 0.4333333 |
| 2 | 2.3E+08 | C>T | 0 | 0.635 | 0 | 0 |
| 2 | 2.3E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.31E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.31E+08 | T>C | 0 | 0.466666667 | 0 | 0 |
| 2 | 2.31E+08 | G>A | 0 | 0.303333333 | 0 | 0.72 |
| 2 | 2.31E+08 | A>C | 0 | 0 | 0.313333333 | 0 |
| 2 | 2.31E+08 | G>A | 0 | 0 | 0 | 0 |
| 2 | 2.31E+08 | A>G | 0 | 0 | 0 | 0.3333333 |

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| 2 | 2.31E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 2 | 2.31E+08 | T>A | 0 | 0.385 | 0 | 0 |
| 2 | 2.31E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 2 | 2.31E+08 | T>C | 0 | 0 | 0.416666667 | 0 |
| 2 | 2.31E+08 | C>A | 0 | 0 | 0.5 | 0 |
| 2 | 2.31E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 2.32E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 2.32E+08 | A>G | 0 | 0 | 0 | 0.64 |
| 2 | 2.32E+08 | C>T | 0 | 0 | 0 | 0 |
| 2 | 2.32E+08 | C>G | 0 | 0 | 0 | 0.4666667 |
| 2 | 2.32E+08 | T>C | 0 | 0 | 0 | 0.7033333 |
| 2 | 2.33E+08 | G>A | 0 | 0.833333333 | 0 | 0 |
| 2 | 2.33E+08 | G>A | 0 | 0.49 | 0 | 0 |
| 2 | 2.33E+08 | T>C | 0 | 0 | 0 | 0.7133333 |
| 2 | 2.33E+08 | C>T | 0 | 0.4 | 0 | 0 |
| 2 | 2.34E+08 | C>T | 0 | 0 | 0 | 0.4066667 |
| 2 | 2.34E+08 | G>T | 0 | 0 | 0 | 0 |
| 2 | 2.34E+08 | T>C | 0 | 0 | 0 | 0.3033333 |
| 2 | 2.34E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 2.34E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 2 | 2.34E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 2.34E+08 | T>C | 0 | 0.343333333 | 0.426666667 | 0 |
| 2 | 2.34E+08 | G>A | 0 | 0 | 0 | 0.7633333 |
| 2 | 2.34E+08 | T>C | 0 | 0.356666667 | 0.455 | 0 |
| 2 | 2.34E+08 | A>G | 0 | 0 | 0.455 | 0 |
| 2 | 2.34E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 2 | 2.34E+08 | T>G | 0 | 0 | 0 | 0.4666667 |
| 2 | 2.34E+08 | A>G | 0 | 0 | 0 | 0.3133333 |
| 2 | 2.34E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 2 | 2.34E+08 | A>G | 0 | 0 | 0 | 0.4533333 |
| 2 | 2.34E+08 | A>C | 0 | 0.463333333 | 0 | 0 |
| 2 | 2.35E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 2.36E+08 | T>G | 0 | 0.37 | 0 | 0 |
| 2 | 2.37E+08 | T>C | 0 | 0 | 0 | 0.5266667 |
| 2 | 2.37E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 2 | 2.37E+08 | T>G | 0 | 0 | 0 | 0 |
| 2 | 2.37E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.37E+08 | C>A | 0 | 0 | 0 | 0 |
| 2 | 2.37E+08 | A>G | 0 | 0 | 0 | 0.49 |
| 2 | 2.37E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.37E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 2 | 2.37E+08 | G>A | 0 | 0.378333333 | 0 | 0 |
| 2 | 2.37E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 2 | 2.37E+08 | C>G | 0 | 0.333333333 | 0 | 0.3933333 |
| 2 | 2.37E+08 | A>C | 0 | 0 | 0 | 0.3833333 |
| 2 | 2.37E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 2 | 2.39E+08 | T>G | 0 | 0 | 0.303333333 | 0 |
| 2 | 2.4E+08 | C>T | 0 | 0.513333333 | 0 | 0 |
| 2 | 2.4E+08 | A>C | 0 | 0 | 0 | 0 |

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|---|----------|-----|---|-------------|-------------|------------|
| 2 | 2.4E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 2 | 2.41E+08 | T>C | 0 | 0 | 0 | 0.39333333 |
| 2 | 2.42E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 2.42E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 2 | 2.42E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 2 | 2.43E+08 | A>G | 0 | 0 | 0 | 0 |
| 2 | 2.43E+08 | A>G | 0 | 0 | 0 | 0.45333333 |
| 2 | 2.43E+08 | C>G | 0 | 0 | 0 | 0.31333333 |
| 3 | 301854 | A>G | 0 | 0.555 | 0 | 0 |
| 3 | 410708 | C>T | 0 | 0 | 0 | 0 |
| 3 | 1134730 | C>T | 0 | 0 | 0 | 0 |
| 3 | 2409938 | G>A | 0 | 0.351666667 | 0 | 0 |
| 3 | 2458615 | C>G | 0 | 0 | 0.343333333 | 0 |
| 3 | 2463151 | A>G | 0 | 0.385 | 0 | 0 |
| 3 | 2523103 | G>T | 0 | 0 | 0 | 0 |
| 3 | 2690835 | G>A | 0 | 0.555 | 0 | 0 |
| 3 | 2712301 | C>T | 0 | 0 | 0 | 0 |
| 3 | 2712512 | G>T | 0 | 0 | 0 | 0 |
| 3 | 2731407 | C>T | 0 | 0 | 0 | 0 |
| 3 | 2745710 | A>C | 0 | 0 | 0 | 0 |
| 3 | 2819646 | G>C | 0 | 0.463333333 | 0 | 0.6666667 |
| 3 | 2831346 | T>C | 0 | 0 | 0 | 0 |
| 3 | 2937485 | G>A | 0 | 0.356666667 | 0 | 0 |
| 3 | 3063501 | C>T | 0 | 0 | 0 | 0.77 |
| 3 | 3085086 | T>G | 0 | 0 | 0 | 0 |
| 3 | 3087404 | A>G | 0 | 0 | 0 | 0 |
| 3 | 3087802 | A>T | 0 | 0.316666667 | 0 | 0 |
| 3 | 3851082 | T>C | 0 | 0 | 0.323333333 | 0 |
| 3 | 4456836 | A>G | 0 | 0 | 0 | 0.57333333 |
| 3 | 4479521 | A>G | 0 | 0.49 | 0 | 0 |
| 3 | 4683586 | C>T | 0 | 0.5 | 0 | 0 |
| 3 | 4720224 | G>A | 0 | 0 | 0 | 0 |
| 3 | 4792296 | T>A | 0 | 0 | 0 | 0 |
| 3 | 4809174 | A>G | 0 | 0 | 0 | 0 |
| 3 | 4810791 | C>T | 0 | 0.555 | 0 | 0 |
| 3 | 4847590 | A>T | 0 | 0 | 0 | 0 |
| 3 | 4875525 | G>A | 0 | 0.555 | 0 | 0 |
| 3 | 4884248 | T>C | 0 | 0.308333333 | 0 | 0 |
| 3 | 4912559 | C>T | 0 | 0.333333333 | 0 | 0 |
| 3 | 5188925 | G>A | 0 | 0 | 0 | 0 |
| 3 | 5215248 | C>T | 0 | 0.37 | 0 | 0 |
| 3 | 6929646 | G>A | 0 | 0.385 | 0 | 0.34333333 |
| 3 | 6989953 | A>G | 0 | 0 | 0.416666667 | 0 |
| 3 | 6997361 | C>T | 0 | 0.385 | 0 | 0 |
| 3 | 7039598 | T>G | 0 | 0 | 0 | 0 |
| 3 | 7154101 | T>C | 0 | 0.323333333 | 0 | 0.54333333 |
| 3 | 7209605 | A>G | 0 | 0 | 0 | 0.6266667 |
| 3 | 7427081 | C>G | 0 | 0 | 0 | 0 |
| 3 | 7573022 | G>T | 0 | 0 | 0 | 0.5 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 3 | 7616125 | G>A | 0 | 0 | 0 | 0.4166667 |
| 3 | 3 | 7704993 | C>T | 0 | 0 | 0 | 0 |
| 4 | 3 | 7714533 | C>T | 0 | 0 | 0 | 0.3833333 |
| 5 | 3 | 8566582 | A>G | 0 | 0.37 | 0 | 0 |
| 6 | 3 | 8956640 | A>G | 0 | 0.5 | 0 | 0 |
| 7 | 3 | 9084534 | C>T | 0 | 0 | 0 | 0 |
| 8 | 3 | 9410316 | G>A | 0 | 0.313333333 | 0 | 0 |
| 9 | 3 | 9468149 | C>T | 0 | 0.77 | 0 | 0 |
| 10 | 3 | 9498021 | C>G | 0 | 0.323333333 | 0 | 0 |
| 11 | 3 | 9517380 | G>A | 0 | 0.555 | 0 | 0 |
| 12 | 3 | 9547360 | G>A | 0 | 0 | 0 | 0 |
| 13 | 3 | 9573386 | G>T | 0 | 0 | 0 | 0 |
| 14 | 3 | 9573894 | A>G | 0 | 0.323333333 | 0 | 0.3333333 |
| 15 | 3 | 9749887 | T>C | 0 | 0.37 | 0 | 0 |
| 16 | 3 | 9782616 | C>A | 0 | 0 | 0 | 0 |
| 17 | 3 | 9946287 | T>G | 0 | 0 | 0 | 0 |
| 18 | 3 | 9946575 | T>C | 0 | 0.588333333 | 0 | 0 |
| 19 | 3 | 9968583 | G>C | 0 | 0 | 0 | 0.3966667 |
| 20 | 3 | 10079932 | C>T | 0 | 0 | 0 | 0 |
| 21 | 3 | 10079934 | A>C | 0 | 0 | 0 | 0 |
| 22 | 3 | 10121285 | T>C | 0 | 0 | 0 | 0.6066667 |
| 23 | 3 | 10146811 | T>C | 0 | 0.316666667 | 0 | 0 |
| 24 | 3 | 10223831 | C>T | 0 | 0.445 | 0 | 0 |
| 25 | 3 | 11358545 | G>A | 0 | 0.416666667 | 0 | 0 |
| 26 | 3 | 11370354 | C>A | 0 | 0.435 | 0 | 0 |
| 27 | 3 | 11394024 | T>G | 0 | 0 | 0 | 0.4033333 |
| 28 | 3 | 11582617 | G>A | 0 | 0 | 0 | 0 |
| 29 | 3 | 11618960 | G>A | 0 | 0.715 | 0 | 0 |
| 30 | 3 | 11865980 | T>C | 0 | 0.513333333 | 0 | 0 |
| 31 | 3 | 12139061 | A>G | 0 | 0 | 0 | 0 |
| 32 | 3 | 12159806 | A>G | 0 | 0.385 | 0 | 0 |
| 33 | 3 | 12185916 | G>A | 0 | 0 | 0 | 0 |
| 34 | 3 | 12429255 | T>A | 0 | 0 | 0 | 0 |
| 35 | 3 | 12437666 | T>G | 0 | 0 | 0.385 | 0.6266667 |
| 36 | 3 | 12607228 | G>A | 0 | 0 | 0.333333333 | 0 |
| 37 | 3 | 12639783 | G>T | 0 | 0.303333333 | 0 | 0 |
| 38 | 3 | 12702367 | A>G | 0 | 0 | 0 | 0 |
| 39 | 3 | 12845750 | T>C | 0 | 0.463333333 | 0 | 0 |
| 40 | 3 | 12946690 | C>T | 0 | 0 | 0 | 0 |
| 41 | 3 | 12954044 | G>A | 0 | 0.333333333 | 0 | 0 |
| 42 | 3 | 12992743 | T>C | 0 | 0 | 0 | 0.4 |
| 43 | 3 | 12992744 | T>A | 0 | 0 | 0 | 0.4 |
| 44 | 3 | 13459866 | C>G | 0 | 0 | 0 | 0 |
| 45 | 3 | 13645365 | C>T | 0 | 0 | 0 | 0 |
| 46 | 3 | 13645450 | T>C | 0 | 0 | 0 | 0.4533333 |
| 47 | 3 | 14231492 | A>G | 0 | 0 | 0 | 0 |
| 48 | 3 | 14233657 | G>A | 0 | 0.351666667 | 0.303333333 | 0 |
| 49 | 3 | 14234829 | A>G | 0 | 0 | 0 | 0.38 |
| 50 | 3 | 14237648 | G>A | 0 | 0 | 0 | 0.4166667 |
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|---|----------|-----|---|-------------|---|-----------|
| 3 | 14446278 | G>C | 0 | 0 | 0 | 0 |
| 3 | 14719228 | A>G | 0 | 0 | 0 | 0.3033333 |
| 3 | 14778343 | A>G | 0 | 0.376666667 | 0 | 0.3333333 |
| 3 | 14793379 | A>G | 0 | 0 | 0 | 0 |
| 3 | 14793813 | G>C | 0 | 0 | 0 | 0.4766667 |
| 3 | 15034714 | C>A | 0 | 0 | 0 | 0.64 |
| 3 | 15123941 | G>T | 0 | 0 | 0 | 0 |
| 3 | 15253168 | G>A | 0 | 0 | 0 | 0.43 |
| 3 | 15318758 | G>T | 0 | 0.345 | 0 | 0 |
| 3 | 15433973 | G>A | 0 | 0.333333333 | 0 | 0 |
| 3 | 15434749 | C>T | 0 | 0 | 0 | 0 |
| 3 | 15452596 | C>T | 0 | 0 | 0 | 0.9333333 |
| 3 | 15456919 | A>C | 0 | 0 | 0 | 0.7533333 |
| 3 | 15467940 | T>C | 0 | 0 | 0 | 0 |
| 3 | 15503762 | T>C | 0 | 0.333333333 | 0 | 0 |
| 3 | 15522859 | A>C | 0 | 0.356666667 | 0 | 0 |
| 3 | 15524461 | C>G | 0 | 0 | 0 | 0 |
| 3 | 15546228 | G>A | 0 | 0 | 0 | 0 |
| 3 | 15740964 | T>C | 0 | 0 | 0 | 0.4333333 |
| 3 | 16242324 | G>A | 0 | 0 | 0 | 0 |
| 3 | 16251282 | C>T | 0 | 0.351666667 | 0 | 0 |
| 3 | 16310044 | A>G | 0 | 0 | 0 | 0.4033333 |
| 3 | 16529727 | G>C | 0 | 0 | 0 | 0 |
| 3 | 16530723 | G>A | 0 | 0.445 | 0 | 0 |
| 3 | 16531233 | T>G | 0 | 0 | 0 | 0.7133333 |
| 3 | 16531261 | C>A | 0 | 0 | 0 | 0 |
| 3 | 16996712 | C>G | 0 | 0 | 0 | 0.35 |
| 3 | 17036515 | G>A | 0 | 0.416666667 | 0 | 0 |
| 3 | 17113557 | A>G | 0 | 0.455 | 0 | 0 |
| 3 | 17361159 | A>G | 0 | 0.445 | 0 | 0.46 |
| 3 | 17392775 | G>A | 0 | 0 | 0 | 0.5 |
| 3 | 17435046 | T>C | 0 | 0 | 0 | 0.7133333 |
| 3 | 17492466 | C>G | 0 | 0.416666667 | 0 | 0 |
| 3 | 17527440 | C>A | 0 | 0.385 | 0 | 0 |
| 3 | 17567927 | A>G | 0 | 0.445 | 0 | 0 |
| 3 | 17574064 | T>A | 0 | 0 | 0 | 0 |
| 3 | 17646277 | A>C | 0 | 0.308333333 | 0 | 0 |
| 3 | 17657573 | C>T | 0 | 0 | 0 | 0.6066667 |
| 3 | 17658346 | C>T | 0 | 0 | 0 | 0 |
| 3 | 17659487 | C>T | 0 | 0 | 0 | 0 |
| 3 | 17691345 | C>T | 0 | 0 | 0 | 0.5366667 |
| 3 | 17717982 | C>T | 0 | 0 | 0 | 0.4533333 |
| 3 | 17734384 | A>G | 0 | 0 | 0 | 0 |
| 3 | 19392827 | T>C | 0 | 0 | 0 | 0.49 |
| 3 | 19396882 | A>C | 0 | 0.416666667 | 0 | 0.5566667 |
| 3 | 19415559 | C>G | 0 | 0.356666667 | 0 | 0 |
| 3 | 19472522 | G>A | 0 | 0.5 | 0 | 0 |
| 3 | 19508354 | T>C | 0 | 0.378333333 | 0 | 0 |
| 3 | 19991275 | A>G | 0 | 0.476666667 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 3 | 20001256 | C>T | 0 | 0.476666667 | 0 | 0 |
| 3 | 3 | 20010132 | A>G | 0 | 0.356666667 | 0 | 0 |
| 4 | 3 | 20020967 | C>T | 0 | 0 | 0 | 0.6066667 |
| 5 | 3 | 20221029 | A>G | 0 | 0.758333333 | 0 | 0 |
| 6 | 3 | 21464025 | A>C | 0 | 0 | 0 | 0 |
| 7 | 3 | 21597174 | T>A | 0 | 0.391666667 | 0 | 0.3033333 |
| 8 | 3 | 21742909 | G>A | 0 | 0 | 0 | 0.7033333 |
| 9 | 3 | 23370407 | T>C | 0 | 0 | 0 | 0.9866667 |
| 10 | 3 | 23531001 | A>G | 0 | 0 | 0 | 0.4766667 |
| 11 | 3 | 23631357 | A>C | 0 | 0 | 0 | 0 |
| 12 | 3 | 24247735 | G>A | 0 | 0 | 0 | 0 |
| 13 | 3 | 24368382 | T>A | 0 | 0.476666667 | 0 | 0 |
| 14 | 3 | 24484587 | T>C | 0 | 0.343333333 | 0 | 0 |
| 15 | 3 | 25507950 | A>G | 0 | 0.416666667 | 0 | 0.4666667 |
| 16 | 3 | 27362955 | G>A | 0 | 0.448333333 | 0 | 0.4533333 |
| 17 | 3 | 28312923 | C>T | 0 | 0.635 | 0 | 0 |
| 18 | 3 | 28313479 | A>G | 0 | 0.356666667 | 0 | 0 |
| 19 | 3 | 28315271 | C>G | 0 | 0 | 0 | 0 |
| 20 | 3 | 28397478 | G>A | 0 | 0 | 0 | 0 |
| 21 | 3 | 28410634 | T>C | 0 | 0 | 0 | 0.74 |
| 22 | 3 | 28410808 | C>T | 0 | 0.385 | 0 | 0.64 |
| 23 | 3 | 28508094 | T>A | 0 | 0.4 | 0 | 0 |
| 24 | 3 | 28541174 | A>G | 0 | 0 | 0 | 0.4766667 |
| 25 | 3 | 29472924 | T>C | 0 | 0.351666667 | 0 | 0.4533333 |
| 26 | 3 | 29495297 | G>C | 0 | 0 | 0 | 0 |
| 27 | 3 | 29550349 | T>C | 0 | 0.428333333 | 0 | 0 |
| 28 | 3 | 29659777 | A>G | 0 | 0.308333333 | 0 | 0 |
| 29 | 3 | 29713780 | G>C | 0 | 0.445 | 0 | 0 |
| 30 | 3 | 29716409 | A>G | 0 | 0 | 0.4 | 0 |
| 31 | 3 | 29716951 | G>C | 0 | 0 | 0 | 0.3833333 |
| 32 | 3 | 29855096 | C>T | 0 | 0.303333333 | 0.455 | 0 |
| 33 | 3 | 29858404 | T>A | 0 | 0.505 | 0 | 0 |
| 34 | 3 | 29874115 | G>A | 0 | 0 | 0 | 0 |
| 35 | 3 | 29890789 | A>G | 0 | 0 | 0 | 0.4766667 |
| 36 | 3 | 30021388 | T>C | 0 | 0.833333333 | 0 | 0 |
| 37 | 3 | 30024416 | A>G | 0 | 0 | 0 | 0 |
| 38 | 3 | 30039939 | A>G | 0 | 0 | 0 | 0.3833333 |
| 39 | 3 | 30040102 | G>A | 0 | 0 | 0 | 0.4766667 |
| 40 | 3 | 30041898 | A>G | 0 | 0.476666667 | 0 | 0.3933333 |
| 41 | 3 | 30922070 | T>C | 0 | 0 | 0 | 0 |
| 42 | 3 | 31782882 | A>G | 0 | 0 | 0.308333333 | 0 |
| 43 | 3 | 31841461 | G>A | 0 | 0 | 0 | 0 |
| 44 | 3 | 31843848 | A>G | 0 | 0 | 0 | 0 |
| 45 | 3 | 31843861 | G>C | 0 | 0.316666667 | 0 | 0 |
| 46 | 3 | 31848638 | A>G | 0 | 0 | 0 | 0.52 |
| 47 | 3 | 31868922 | A>T | 0 | 0 | 0 | 0 |
| 48 | 3 | 31918587 | T>C | 0 | 0 | 0.303333333 | 0.3333333 |
| 49 | 3 | 31928247 | T>C | 0 | 0 | 0.328333333 | 0.4766667 |
| 50 | 3 | 31955478 | A>G | 0 | 0.445 | 0 | 0 |
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| 3 | 31964037 | G>T | 0 | 0.333333333 | 0 | 0 |
| 3 | 31970120 | C>T | 0 | 0.37 | 0 | 0 |
| 3 | 31998412 | T>G | 0 | 0.438333333 | 0 | 0 |
| 3 | 32156282 | C>T | 0 | 0 | 0 | 0 |
| 3 | 32156283 | A>G | 0 | 0 | 0 | 0 |
| 3 | 32289026 | T>C | 0 | 0 | 0 | 0.3566667 |
| 3 | 32307259 | A>G | 0 | 0 | 0 | 0 |
| 3 | 32368119 | T>C | 0 | 0.455 | 0 | 0 |
| 3 | 32453099 | G>T | 0 | 0.606666667 | 0 | 0 |
| 3 | 32537538 | G>C | 0 | 0.431666667 | 0 | 0.58 |
| 3 | 32738160 | A>G | 0 | 0.445 | 0 | 0 |
| 3 | 32813783 | C>G | 0 | 0.356666667 | 0 | 0 |
| 3 | 32872413 | G>C | 0 | 0 | 0 | 0.49 |
| 3 | 32933295 | G>A | 0 | 0 | 0 | 0 |
| 3 | 33041349 | C>G | 0 | 0 | 0 | 0 |
| 3 | 33253769 | A>T | 0 | 0.476666667 | 0 | 0 |
| 3 | 33324003 | A>G | 0 | 0.37 | 0 | 0 |
| 3 | 33325878 | G>A | 0 | 0.4 | 0 | 0.6666667 |
| 3 | 33333684 | A>C | 0 | 0.323333333 | 0 | 0 |
| 3 | 33339979 | T>C | 0 | 0.316666667 | 0 | 0 |
| 3 | 33410252 | A>G | 0 | 0 | 0 | 0.5066667 |
| 3 | 33454988 | A>G | 0 | 0 | 0 | 0 |
| 3 | 33469604 | T>G | 0 | 0 | 0 | 0.4166667 |
| 3 | 33718414 | C>A | 0 | 0.455 | 0 | 0 |
| 3 | 33741739 | C>T | 0 | 0 | 0 | 0.3833333 |
| 3 | 33741740 | A>G | 0 | 0 | 0 | 0.44 |
| 3 | 33752179 | T>C | 0 | 0.351666667 | 0 | 0 |
| 3 | 33878282 | T>C | 0 | 0.455 | 0 | 0 |
| 3 | 35827907 | A>G | 0 | 0.5 | 0 | 0 |
| 3 | 36505537 | T>G | 0 | 0.356666667 | 0 | 0.4633333 |
| 3 | 37338261 | T>C | 0 | 0.316666667 | 0 | 0 |
| 3 | 37358878 | C>T | 0 | 0.555 | 0 | 0 |
| 3 | 37383769 | G>A | 0 | 0.32 | 0 | 0 |
| 3 | 37468189 | C>G | 0 | 0 | 0 | 0 |
| 3 | 37468725 | C>T | 0 | 0.378333333 | 0 | 0 |
| 3 | 37654769 | A>G | 0 | 0 | 0 | 0.5 |
| 3 | 37666299 | C>T | 0 | 0 | 0 | 0 |
| 3 | 37666836 | T>A | 0 | 0 | 0 | 0 |
| 3 | 37696856 | T>C | 0 | 0 | 0 | 0.5566667 |
| 3 | 37699853 | T>G | 0 | 0 | 0 | 0 |
| 3 | 37726035 | T>C | 0 | 0 | 0 | 0 |
| 3 | 37850733 | A>T | 0 | 0.333333333 | 0 | 0 |
| 3 | 37850744 | G>T | 0 | 0.345 | 0 | 0 |
| 3 | 37954759 | T>C | 0 | 0 | 0 | 0 |
| 3 | 37963603 | A>G | 0 | 0 | 0 | 0 |
| 3 | 38221565 | T>C | 0 | 0.455 | 0 | 0 |
| 3 | 38444585 | C>T | 0 | 0.385 | 0 | 0 |
| 3 | 38448918 | T>A | 0 | 0 | 0 | 0.5566667 |
| 3 | 38827168 | T>C | 0 | 0 | 0 | 0.6666667 |

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| 1 | | | | | | | |
| 2 | 3 | 38976632 | C>T | 0 | 0.303333333 | 0.346666667 | 0 |
| 3 | 3 | 38977432 | T>C | 0 | 0 | 0 | 0.6666667 |
| 4 | 3 | 39102887 | G>A | 0 | 0 | 0 | 0.53 |
| 5 | 3 | 39112415 | T>C | 0 | 0 | 0 | 0 |
| 6 | 3 | 39229399 | C>T | 0 | 0 | 0 | 0 |
| 7 | 3 | 39437466 | T>C | 0 | 0 | 0 | 0 |
| 8 | 3 | 39881971 | G>A | 0 | 0 | 0 | 0.77 |
| 9 | 3 | 39929154 | G>C | 0 | 0.641666667 | 0 | 0.7233333 |
| 10 | 3 | 39974095 | C>A | 0 | 0.391666667 | 0 | 0.4 |
| 11 | 3 | 39999453 | T>C | 0 | 0.521666667 | 0 | 0 |
| 12 | 3 | 40015150 | T>A | 0 | 0 | 0 | 0.5866667 |
| 13 | 3 | 40016130 | T>A | 0 | 0 | 0 | 0 |
| 14 | 3 | 40017189 | A>G | 0 | 0.313333333 | 0 | 0.3333333 |
| 15 | 3 | 40041307 | G>C | 0 | 0.416666667 | 0 | 0.37 |
| 16 | 3 | 40183764 | G>A | 0 | 0.49 | 0 | 0 |
| 17 | 3 | 40197934 | C>T | 0 | 0.385 | 0 | 0.5066667 |
| 18 | 3 | 40282104 | G>C | 0 | 0 | 0 | 0 |
| 19 | 3 | 41321973 | T>C | 0 | 0 | 0 | 0.37 |
| 20 | 3 | 41324190 | T>A | 0 | 0 | 0 | 0 |
| 21 | 3 | 41348260 | A>G | 0 | 0 | 0 | 0 |
| 22 | 3 | 41385569 | C>T | 0 | 0.316666667 | 0 | 0 |
| 23 | 3 | 41401701 | G>A | 0 | 0.555 | 0 | 0 |
| 24 | 3 | 41415195 | A>C | 0 | 0 | 0 | 0.37 |
| 25 | 3 | 41417881 | G>T | 0 | 0.356666667 | 0 | 0 |
| 26 | 3 | 41418323 | A>T | 0 | 0 | 0.313333333 | 0 |
| 27 | 3 | 41432187 | T>C | 0 | 0 | 0 | 0.37 |
| 28 | 3 | 41497514 | A>C | 0 | 0.345 | 0 | 0.3433333 |
| 29 | 3 | 41582589 | T>C | 0 | 0 | 0.455 | 0 |
| 30 | 3 | 41583781 | A>T | 0 | 0.606666667 | 0 | 0 |
| 31 | 3 | 41660554 | G>T | 0 | 0 | 0 | 0 |
| 32 | 3 | 41660668 | G>A | 0 | 0 | 0 | 0 |
| 33 | 3 | 41668268 | C>T | 0 | 0 | 0 | 0.5133333 |
| 34 | 3 | 41731056 | C>A | 0 | 0 | 0 | 1 |
| 35 | 3 | 41806660 | T>A | 0 | 0.5 | 0 | 0.38 |
| 36 | 3 | 41846406 | C>T | 0 | 0 | 0 | 0.3233333 |
| 37 | 3 | 41867930 | A>G | 0 | 0 | 0 | 0.8 |
| 38 | 3 | 41873245 | T>A | 0 | 0.666666667 | 0 | 0 |
| 39 | 3 | 41875205 | T>C | 0 | 0 | 0 | 0 |
| 40 | 3 | 41953395 | C>A | 0 | 0.353333333 | 0 | 0.5433333 |
| 41 | 3 | 42222761 | C>T | 0 | 0.37 | 0 | 0 |
| 42 | 3 | 42779423 | T>A | 0 | 0.555 | 0 | 0 |
| 43 | 3 | 42831777 | T>C | 0 | 0.505 | 0 | 0.4166667 |
| 44 | 3 | 42834238 | G>A | 0 | 0 | 0 | 0.46 |
| 45 | 3 | 42858278 | T>G | 0 | 0 | 0 | 0.9533333 |
| 46 | 3 | 42860313 | T>C | 0 | 0.4 | 0 | 0 |
| 47 | 3 | 42863446 | T>C | 0 | 0 | 0.315 | 0.6066667 |
| 48 | 3 | 42884401 | G>A | 0 | 0.416666667 | 0 | 0 |
| 49 | 3 | 42902445 | C>A | 0 | 0.666666667 | 0 | 0.9533333 |
| 50 | 3 | 43095139 | C>T | 0 | 0 | 0 | 0 |
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|---|----------|-----|---|--------------|--------------|------------|
| 3 | 43344748 | T>C | 0 | 0 | 0 | 0 |
| 3 | 43359359 | G>A | 0 | 0.5 | 0 | 0 |
| 3 | 43381222 | T>C | 0 | 0 | 0 | 0.49333333 |
| 3 | 43426397 | T>C | 0 | 0.625 | 0 | 0 |
| 3 | 43534539 | T>A | 0 | 0.445 | 0 | 0 |
| 3 | 43644000 | A>G | 0 | 0.3133333333 | 0 | 0 |
| 3 | 44349942 | T>C | 0 | 0 | 0.3133333333 | 0 |
| 3 | 44602207 | A>G | 0 | 0.3616666667 | 0 | 0 |
| 3 | 44629374 | C>T | 0 | 0 | 0 | 0 |
| 3 | 44806316 | G>A | 0 | 0 | 0 | 0 |
| 3 | 44831880 | G>A | 0 | 0.555 | 0 | 0 |
| 3 | 44842783 | T>C | 0 | 0.555 | 0 | 0 |
| 3 | 44859641 | T>C | 0 | 0 | 0 | 0.47666667 |
| 3 | 44978842 | G>A | 0 | 0.3566666667 | 0 | 0 |
| 3 | 45164084 | C>T | 0 | 0.4166666667 | 0 | 0 |
| 3 | 45164134 | G>C | 0 | 0 | 0 | 0 |
| 3 | 45499031 | C>G | 0 | 0 | 0 | 0 |
| 3 | 45651099 | G>T | 0 | 0.555 | 0 | 0 |
| 3 | 45692840 | T>C | 0 | 0 | 0 | 0 |
| 3 | 45757072 | T>C | 0 | 0 | 0 | 0 |
| 3 | 45940418 | C>G | 0 | 0.3033333333 | 0 | 0 |
| 3 | 46493305 | G>A | 0 | 0 | 0 | 0 |
| 3 | 46773997 | A>T | 0 | 0.37 | 0 | 0 |
| 3 | 46835006 | T>C | 0 | 0.455 | 0 | 0 |
| 3 | 46835556 | T>G | 0 | 0.3916666667 | 0 | 0 |
| 3 | 46848310 | T>C | 0 | 0 | 0 | 0.33333333 |
| 3 | 46996203 | T>C | 0 | 0 | 0 | 0.41666667 |
| 3 | 47007832 | A>G | 0 | 0.4633333333 | 0 | 0 |
| 3 | 47022717 | A>G | 0 | 0.5333333333 | 0 | 0 |
| 3 | 47067697 | A>C | 0 | 0 | 0 | 0.62666667 |
| 3 | 47348831 | C>G | 0 | 0.4766666667 | 0 | 0.66666667 |
| 3 | 47480849 | T>A | 0 | 0 | 0 | 0 |
| 3 | 47480860 | T>C | 0 | 0 | 0 | 0 |
| 3 | 47614173 | C>T | 0 | 0 | 0 | 0 |
| 3 | 47658040 | G>A | 0 | 0 | 0 | 0 |
| 3 | 47667001 | C>A | 0 | 0.4633333333 | 0 | 0 |
| 3 | 47686199 | G>T | 0 | 0.4766666667 | 0 | 0 |
| 3 | 47753637 | A>T | 0 | 0.3466666667 | 0 | 0 |
| 3 | 47772094 | G>A | 0 | 0.3166666667 | 0 | 0 |
| 3 | 47779990 | G>A | 0 | 0.555 | 0 | 0 |
| 3 | 47792820 | A>C | 0 | 0.5 | 0 | 0 |
| 3 | 47813159 | G>A | 0 | 0.3466666667 | 0 | 0 |
| 3 | 47852696 | G>A | 0 | 0.3133333333 | 0 | 0 |
| 3 | 47861672 | T>C | 0 | 0 | 0 | 0 |
| 3 | 47904230 | T>G | 0 | 0.6666666667 | 0 | 0.39333333 |
| 3 | 47921197 | C>T | 0 | 0.3916666667 | 0 | 0 |
| 3 | 47947389 | T>C | 0 | 0.5133333333 | 0 | 0 |
| 3 | 47966569 | T>G | 0 | 0.445 | 0 | 0.44333333 |
| 3 | 47990349 | T>G | 0 | 0.3516666667 | 0 | 0.33333333 |

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|----|---|----------|-----|---|-------------|-------|-----------|
| 1 | | | | | | | |
| 2 | 3 | 48064118 | T>C | 0 | 0 | 0 | 0.37 |
| 3 | 3 | 48095737 | G>A | 0 | 0 | 0 | 0.3133333 |
| 4 | 3 | 48644040 | T>C | 0 | 0.356666667 | 0 | 0 |
| 5 | 3 | 48677621 | C>T | 0 | 0 | 0 | 0 |
| 6 | 3 | 48690548 | C>T | 0 | 0 | 0 | 0 |
| 7 | 3 | 48745078 | A>C | 0 | 0 | 0 | 0.5966667 |
| 8 | 3 | 48788953 | A>G | 0 | 0 | 0 | 0 |
| 9 | 3 | 48873669 | A>G | 0 | 0.5 | 0 | 0 |
| 10 | 3 | 49168965 | C>T | 0 | 0 | 0 | 0 |
| 11 | 3 | 49275478 | T>C | 0 | 0 | 0 | 0.58 |
| 12 | 3 | 49406658 | A>G | 0 | 0.416666667 | 0 | 0 |
| 13 | 3 | 49406915 | T>C | 0 | 0 | 0 | 0.52 |
| 14 | 3 | 49451877 | A>G | 0 | 0 | 0 | 0 |
| 15 | 3 | 49633592 | T>C | 0 | 0 | 0 | 0.6133333 |
| 16 | 3 | 49748539 | G>A | 0 | 0 | 0 | 0 |
| 17 | 3 | 49756319 | G>A | 0 | 0 | 0 | 0 |
| 18 | 3 | 49779914 | A>G | 0 | 0.445 | 0 | 0 |
| 19 | 3 | 49785522 | G>A | 0 | 0 | 0 | 0 |
| 20 | 3 | 49888253 | C>A | 0 | 0.606666667 | 0 | 0 |
| 21 | 3 | 49899035 | T>C | 0 | 0 | 0 | 0 |
| 22 | 3 | 49930009 | T>C | 0 | 0.908333333 | 0 | 0 |
| 23 | 3 | 49993663 | C>G | 0 | 0 | 0.345 | 0.38 |
| 24 | 3 | 50026755 | G>C | 0 | 0.361666667 | 0 | 0.64 |
| 25 | 3 | 50081856 | C>A | 0 | 0.351666667 | 0 | 0 |
| 26 | 3 | 50102101 | C>T | 0 | 0.445 | 0 | 0 |
| 27 | 3 | 50132576 | A>G | 0 | 0.391666667 | 0 | 0 |
| 28 | 3 | 50224671 | G>C | 0 | 0.37 | 0 | 0 |
| 29 | 3 | 50306382 | A>G | 0 | 0 | 0 | 0 |
| 30 | 3 | 50317806 | A>G | 0 | 0 | 0 | 0 |
| 31 | 3 | 50331318 | T>C | 0 | 1 | 0 | 0 |
| 32 | 3 | 50395762 | T>C | 0 | 0 | 0 | 0 |
| 33 | 3 | 50452250 | C>G | 0 | 0 | 0 | 0 |
| 34 | 3 | 50499554 | T>C | 0 | 0 | 0 | 0.6 |
| 35 | 3 | 50499767 | T>C | 0 | 0.521666667 | 0 | 0 |
| 36 | 3 | 50726073 | T>C | 0 | 0.351666667 | 0 | 0 |
| 37 | 3 | 50737624 | C>T | 0 | 0 | 0 | 0 |
| 38 | 3 | 50779620 | G>C | 0 | 0.583333333 | 0 | 0 |
| 39 | 3 | 50868883 | G>C | 0 | 0 | 0 | 0 |
| 40 | 3 | 50882396 | A>G | 0 | 0.391666667 | 0 | 0 |
| 41 | 3 | 50919450 | A>G | 0 | 0.333333333 | 0 | 0 |
| 42 | 3 | 50926198 | G>T | 0 | 0 | 0.445 | 0 |
| 43 | 3 | 50940918 | T>G | 0 | 0 | 0 | 0 |
| 44 | 3 | 50941780 | T>C | 0 | 0 | 0 | 0 |
| 45 | 3 | 50944743 | A>G | 0 | 0.346666667 | 0 | 0 |
| 46 | 3 | 51007238 | T>C | 0 | 0 | 0 | 0 |
| 47 | 3 | 51044897 | C>G | 0 | 0 | 0 | 0.37 |
| 48 | 3 | 51044941 | G>C | 0 | 0.333333333 | 0 | 0 |
| 49 | 3 | 51058713 | C>T | 0 | 0 | 0 | 0 |
| 50 | 3 | 51079632 | T>C | 0 | 0.513333333 | 0 | 0 |
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| 3 | 51097813 | A>G | 0 | 0.385 | 0 | 0 |
| 3 | 51132706 | T>C | 0 | 0 | 0.316666667 | 0 |
| 3 | 51237192 | C>T | 0 | 0.513333333 | 0 | 0.77333333 |
| 3 | 51240880 | C>A | 0 | 0.416666667 | 0 | 0.6666667 |
| 3 | 51290867 | G>A | 0 | 0 | 0 | 0.8966667 |
| 3 | 51305392 | G>A | 0 | 0 | 0 | 0.34333333 |
| 3 | 51327258 | C>T | 0 | 0 | 0 | 0 |
| 3 | 51327794 | T>G | 0 | 0.333333333 | 0 | 0 |
| 3 | 51334347 | C>T | 0 | 0 | 0 | 0 |
| 3 | 51370933 | A>G | 0 | 0 | 0 | 0 |
| 3 | 51383981 | C>T | 0 | 0.455 | 0 | 0.4766667 |
| 3 | 51385145 | A>G | 0 | 0.5 | 0.333333333 | 0 |
| 3 | 51385243 | T>C | 0 | 0 | 0 | 0 |
| 3 | 51385244 | G>A | 0 | 0 | 0 | 0 |
| 3 | 51401327 | C>T | 0 | 0 | 0 | 0 |
| 3 | 51402242 | T>C | 0 | 0 | 0 | 0 |
| 3 | 51406629 | A>G | 0 | 0 | 0 | 0.39333333 |
| 3 | 51609953 | A>G | 0 | 0 | 0 | 0.54 |
| 3 | 51611337 | A>G | 0 | 0.37 | 0 | 0 |
| 3 | 51649295 | G>T | 0 | 0.555 | 0 | 0.44333333 |
| 3 | 51686019 | A>G | 0 | 0 | 0.391666667 | 0.8566667 |
| 3 | 51690959 | C>G | 0 | 0 | 0 | 0.77 |
| 3 | 52282188 | G>C | 0 | 0 | 0 | 0 |
| 3 | 52423882 | T>C | 0 | 0 | 0 | 0.5366667 |
| 3 | 52493661 | A>G | 0 | 0.316666667 | 0 | 0 |
| 3 | 52521997 | G>C | 0 | 0 | 0 | 0 |
| 3 | 52601928 | C>G | 0 | 0.361666667 | 0 | 0 |
| 3 | 52613409 | T>C | 0 | 0.833333333 | 0 | 0 |
| 3 | 52631927 | T>C | 0 | 0 | 0 | 0 |
| 3 | 52684207 | T>C | 0 | 0.758333333 | 0 | 0 |
| 3 | 52950454 | C>G | 0 | 0.526666667 | 0 | 0 |
| 3 | 52953026 | T>C | 0 | 0.5 | 0 | 0 |
| 3 | 52953068 | G>A | 0 | 0.416666667 | 0 | 0 |
| 3 | 53011424 | G>A | 0 | 0.391666667 | 0 | 0 |
| 3 | 53054349 | C>T | 0 | 0.506666667 | 0 | 0 |
| 3 | 53135874 | C>T | 0 | 0 | 0 | 0 |
| 3 | 53141405 | A>G | 0 | 0.303333333 | 0 | 0.51333333 |
| 3 | 53285898 | A>G | 0 | 0 | 0.468333333 | 0.75333333 |
| 3 | 53714207 | G>T | 0 | 0 | 0 | 0 |
| 3 | 54168937 | A>C | 0 | 0 | 0 | 0 |
| 3 | 54276327 | A>G | 0 | 0 | 0 | 0.5266667 |
| 3 | 54320184 | T>A | 0 | 0.356666667 | 0 | 0.3166667 |
| 3 | 54444274 | A>G | 0 | 0.595 | 0 | 0.46333333 |
| 3 | 54504891 | G>C | 0 | 0.595 | 0 | 0 |
| 3 | 54635510 | T>C | 0 | 0.303333333 | 0 | 0.32333333 |
| 3 | 54698307 | G>C | 0 | 0.666666667 | 0 | 0 |
| 3 | 54756013 | C>A | 0 | 0.49 | 0 | 0 |
| 3 | 55024295 | C>T | 0 | 0.345 | 0 | 0 |
| 3 | 55079324 | A>G | 0 | 0.378333333 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------|-----------|
| 1 | | | | | | | |
| 2 | 3 | 55521788 | A>T | 0 | 0 | 0 | 0 |
| 3 | 3 | 55740675 | G>A | 0 | 0 | 0 | 0 |
| 4 | 3 | 56029109 | A>T | 0 | 0.333333333 | 0 | 0.5566667 |
| 5 | 3 | 56101269 | A>T | 0 | 0 | 0 | 0.5333333 |
| 6 | 3 | 56177371 | T>C | 0 | 0 | 0 | 0.89 |
| 7 | 3 | 56249636 | T>C | 0 | 0 | 0 | 0.5066667 |
| 8 | 3 | 56251604 | C>T | 0 | 0 | 0 | 0.91 |
| 9 | 3 | 56251864 | G>A | 0 | 0.303333333 | 0 | 0 |
| 10 | 3 | 56600328 | A>T | 0 | 0 | 0 | 0.4433333 |
| 11 | 3 | 56604092 | A>G | 0 | 0.431666667 | 0 | 0 |
| 12 | 3 | 56611606 | G>A | 0 | 0 | 0 | 0 |
| 13 | 3 | 56613116 | A>G | 0 | 0.908333333 | 0 | 0.77 |
| 14 | 3 | 56635732 | T>G | 0 | 0 | 0 | 0 |
| 15 | 3 | 56637395 | G>A | 0 | 0 | 0 | 1 |
| 16 | 3 | 56637439 | C>T | 0 | 0 | 0 | 0.9266667 |
| 17 | 3 | 56638044 | C>A | 0 | 0 | 0 | 0.3433333 |
| 18 | 3 | 56670953 | A>G | 0 | 0.678333333 | 0 | 0 |
| 19 | 3 | 56764571 | G>A | 0 | 0.378333333 | 0 | 0 |
| 20 | 3 | 56841148 | A>G | 0 | 0 | 0 | 0 |
| 21 | 3 | 56958043 | C>A | 0 | 0 | 0 | 0 |
| 22 | 3 | 57017780 | A>G | 0 | 0 | 0 | 0 |
| 23 | 3 | 57038868 | G>A | 0 | 0.378333333 | 0 | 0 |
| 24 | 3 | 57079187 | G>C | 0 | 0 | 0 | 0 |
| 25 | 3 | 57157820 | T>C | 0 | 0.356666667 | 0 | 0.5566667 |
| 26 | 3 | 57194086 | A>G | 0 | 0 | 0.315 | 0 |
| 27 | 3 | 57270598 | T>C | 0 | 0.416666667 | 0 | 0 |
| 28 | 3 | 57488421 | C>T | 0 | 0 | 0 | 0 |
| 29 | 3 | 57505552 | G>A | 0 | 0 | 0 | 0 |
| 30 | 3 | 57505576 | T>C | 0 | 0 | 0 | 0 |
| 31 | 3 | 57546319 | T>C | 0 | 0 | 0 | 0 |
| 32 | 3 | 57659632 | A>G | 0 | 0 | 0 | 0.4433333 |
| 33 | 3 | 57675968 | C>T | 0 | 0.385 | 0 | 0 |
| 34 | 3 | 57754195 | T>C | 0 | 0.513333333 | 0 | 0 |
| 35 | 3 | 57866792 | G>A | 0 | 0 | 0 | 0.3466667 |
| 36 | 3 | 57906467 | T>C | 0 | 0.323333333 | 0 | 0 |
| 37 | 3 | 58185339 | C>T | 0 | 0.385 | 0 | 0 |
| 38 | 3 | 58185360 | C>T | 0 | 0.5 | 0 | 0 |
| 39 | 3 | 58332823 | T>C | 0 | 0.32 | 0 | 0 |
| 40 | 3 | 58504889 | C>T | 0 | 0 | 0 | 0 |
| 41 | 3 | 58518392 | A>G | 0 | 0 | 0 | 0.7766667 |
| 42 | 3 | 58744467 | G>A | 0 | 0.695 | 0 | 0 |
| 43 | 3 | 58794051 | G>T | 0 | 0.361666667 | 0 | 0 |
| 44 | 3 | 58798266 | G>C | 0 | 0 | 0 | 1 |
| 45 | 3 | 58920409 | T>C | 0 | 0.416666667 | 0 | 0.89 |
| 46 | 3 | 58938192 | G>C | 0 | 0.5 | 0 | 0 |
| 47 | 3 | 60429872 | G>A | 0 | 0 | 0 | 0.3566667 |
| 48 | 3 | 60435475 | G>T | 0 | 0.4 | 0 | 0 |
| 49 | 3 | 60685805 | C>A | 0 | 0 | 0 | 0 |
| 50 | 3 | 60698063 | A>T | 0 | 0.345 | 0 | 0 |
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| 3 | 60700341 | A>G | 0 | 0 | 0 | 0.3466667 |
| 3 | 60779239 | C>T | 0 | 0 | 0 | 0 |
| 3 | 60864471 | C>T | 0 | 0 | 0 | 0 |
| 3 | 60873135 | G>T | 0 | 0.303333333 | 0 | 0 |
| 3 | 60946778 | T>C | 0 | 0.351666667 | 0 | 0 |
| 3 | 61030914 | A>C | 0 | 0 | 0 | 0 |
| 3 | 61031613 | C>T | 0 | 0 | 0 | 0 |
| 3 | 61033430 | A>G | 0 | 0 | 0 | 0 |
| 3 | 61087258 | A>G | 0 | 0.391666667 | 0.333333333 | 0 |
| 3 | 61087386 | G>A | 0 | 0 | 0 | 0 |
| 3 | 61087415 | G>T | 0 | 0.445 | 0 | 0 |
| 3 | 61090124 | A>G | 0 | 0.351666667 | 0 | 0 |
| 3 | 61129295 | C>T | 0 | 0 | 0 | 0.4433333 |
| 3 | 61173754 | C>T | 0 | 0 | 0.476666667 | 0 |
| 3 | 61175236 | T>G | 0 | 0 | 0 | 0 |
| 3 | 61659587 | C>A | 0 | 0.356666667 | 0 | 0 |
| 3 | 61669698 | G>A | 0 | 0.666666667 | 0 | 0 |
| 3 | 61739547 | A>G | 0 | 0 | 0 | 0 |
| 3 | 61889208 | T>C | 0 | 0.37 | 0 | 0 |
| 3 | 61938143 | C>T | 0 | 0.606666667 | 0 | 0 |
| 3 | 61938328 | T>A | 0 | 0.606666667 | 0 | 0 |
| 3 | 62094108 | C>T | 0 | 0.606666667 | 0 | 0 |
| 3 | 62358582 | G>A | 0 | 0 | 0 | 0 |
| 3 | 62386399 | T>C | 0 | 0.526666667 | 0 | 0 |
| 3 | 62406455 | C>A | 0 | 0 | 0 | 0 |
| 3 | 62448061 | C>T | 0 | 0 | 0 | 0 |
| 3 | 62565871 | A>T | 0 | 0 | 0.445 | 0 |
| 3 | 62727636 | T>A | 0 | 0.463333333 | 0 | 0 |
| 3 | 62728059 | G>A | 0 | 0 | 0 | 0.89 |
| 3 | 62755097 | A>G | 0 | 0.438333333 | 0 | 0.6666667 |
| 3 | 62769672 | A>G | 0 | 0.666666667 | 0 | 0 |
| 3 | 62860959 | G>C | 0 | 0 | 0 | 0 |
| 3 | 63340812 | G>A | 0 | 0.351666667 | 0 | 0 |
| 3 | 63361107 | C>T | 0 | 0.37 | 0 | 0.35 |
| 3 | 63366044 | G>A | 0 | 0 | 0 | 0.3633333 |
| 3 | 63595325 | A>G | 0 | 0.445 | 0 | 0 |
| 3 | 63828592 | T>G | 0 | 0.5 | 0 | 0 |
| 3 | 63833318 | A>C | 0 | 0 | 0 | 0 |
| 3 | 63870598 | A>G | 0 | 0.595 | 0 | 0 |
| 3 | 63907906 | C>T | 0 | 0.416666667 | 0 | 0 |
| 3 | 63935344 | A>G | 0 | 0 | 0 | 0.4633333 |
| 3 | 63976153 | C>G | 0 | 0.666666667 | 0 | 0 |
| 3 | 64162994 | A>G | 0 | 0.455 | 0 | 0.43 |
| 3 | 64186873 | A>G | 0 | 0.308333333 | 0 | 0 |
| 3 | 64199759 | G>A | 0 | 0 | 0 | 0 |
| 3 | 65448921 | A>G | 0 | 0 | 0 | 0.4166667 |
| 3 | 65466526 | A>G | 0 | 0.416666667 | 0.303333333 | 0 |
| 3 | 65541448 | G>A | 0 | 0.333333333 | 0 | 0 |
| 3 | 65551713 | A>G | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 3 | 65685873 | T>C | 0 | 0 | 0 | 0.3266667 |
| 3 | 3 | 65727040 | A>G | 0 | 0.416666667 | 0 | 0 |
| 4 | 3 | 65770158 | C>T | 0 | 0.356666667 | 0 | 0 |
| 5 | 3 | 65804713 | A>G | 0 | 0.313333333 | 0 | 0 |
| 6 | 3 | 65864057 | G>A | 0 | 0 | 0 | 0 |
| 7 | 3 | 65894192 | T>C | 0 | 0 | 0 | 0 |
| 8 | 3 | 65906472 | G>A | 0 | 0 | 0 | 0 |
| 9 | 3 | 65977572 | G>C | 0 | 0.323333333 | 0 | 0 |
| 10 | 3 | 65989083 | C>T | 0 | 0.555 | 0 | 0 |
| 11 | 3 | 66323946 | G>A | 0 | 0.416666667 | 0.416666667 | 0.8033333 |
| 12 | 3 | 66339583 | G>C | 0 | 0 | 0 | 0 |
| 13 | 3 | 66357297 | G>A | 0 | 0.476666667 | 0 | 0 |
| 14 | 3 | 66357966 | C>T | 0 | 0.32 | 0 | 0 |
| 15 | 3 | 66358222 | G>T | 0 | 0 | 0.32 | 0 |
| 16 | 3 | 66358699 | C>A | 0 | 0.476666667 | 0 | 0.3933333 |
| 17 | 3 | 66382560 | G>C | 0 | 0 | 0.313333333 | 0.4166667 |
| 18 | 3 | 66398247 | T>C | 0 | 0 | 0 | 0 |
| 19 | 3 | 67445892 | A>G | 0 | 0 | 0 | 0.5 |
| 20 | 3 | 67447688 | C>T | 0 | 0 | 0 | 0 |
| 21 | 3 | 67457371 | C>T | 0 | 0.5 | 0 | 0 |
| 22 | 3 | 67472635 | T>C | 0 | 0.391666667 | 0 | 0 |
| 23 | 3 | 67498881 | C>G | 0 | 0 | 0 | 0.3133333 |
| 24 | 3 | 67589439 | C>T | 0 | 0.555 | 0 | 0 |
| 25 | 3 | 68064694 | C>A | 0 | 0.583333333 | 0 | 0 |
| 26 | 3 | 68431819 | T>G | 0 | 0.666666667 | 0 | 0.3033333 |
| 27 | 3 | 68443788 | C>G | 0 | 0.37 | 0 | 0 |
| 28 | 3 | 68877961 | G>A | 0 | 0.416666667 | 0 | 1 |
| 29 | 3 | 68878248 | T>C | 0 | 0 | 0 | 0 |
| 30 | 3 | 68879751 | G>A | 0 | 0 | 0 | 0 |
| 31 | 3 | 68879936 | A>G | 0 | 0 | 0 | 0 |
| 32 | 3 | 68893329 | C>A | 0 | 0 | 0 | 0.3333333 |
| 33 | 3 | 68894034 | A>C | 0 | 0 | 0 | 0 |
| 34 | 3 | 68975801 | G>C | 0 | 0.37 | 0 | 0 |
| 35 | 3 | 69094741 | A>G | 0 | 0 | 0 | 0.3833333 |
| 36 | 3 | 69099209 | A>G | 0 | 0.315 | 0 | 0.57 |
| 37 | 3 | 69258510 | G>A | 0 | 0.666666667 | 0 | 0 |
| 38 | 3 | 69311332 | A>G | 0 | 0 | 0 | 0.6666667 |
| 39 | 3 | 69327084 | A>G | 0 | 0.476666667 | 0 | 0 |
| 40 | 3 | 69350545 | T>C | 0 | 0.37 | 0 | 0 |
| 41 | 3 | 69387184 | T>A | 0 | 0 | 0 | 0.4766667 |
| 42 | 3 | 69884443 | G>A | 0 | 0.445 | 0 | 0 |
| 43 | 3 | 71094477 | C>T | 0 | 0.666666667 | 0 | 0 |
| 44 | 3 | 71220617 | T>C | 0 | 0 | 0 | 0 |
| 45 | 3 | 71235844 | G>A | 0 | 0 | 0 | 0 |
| 46 | 3 | 71284939 | T>G | 0 | 0 | 0 | 0 |
| 47 | 3 | 71380872 | T>C | 0 | 0.313333333 | 0 | 0 |
| 48 | 3 | 71547554 | A>G | 0 | 0 | 0 | 0 |
| 49 | 3 | 72805316 | T>G | 0 | 0 | 0 | 0 |
| 50 | 3 | 73016198 | T>C | 0 | 0.385 | 0 | 0 |
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|---|----------|-----|---|-------------|-------------|-----------|
| 3 | 73080083 | G>C | 0 | 0.343333333 | 0 | 0 |
| 3 | 73637392 | C>T | 0 | 0 | 0 | 0 |
| 3 | 73667046 | T>A | 0 | 0.346666667 | 0 | 0 |
| 3 | 73667101 | T>C | 0 | 0 | 0 | 0 |
| 3 | 74348290 | T>C | 0 | 0.333333333 | 0 | 0 |
| 3 | 74352659 | T>C | 0 | 0.533333333 | 0 | 0 |
| 3 | 76078899 | G>C | 0 | 0.351666667 | 0 | 1 |
| 3 | 76081719 | A>G | 0 | 0 | 0 | 0.5 |
| 3 | 76081794 | T>C | 0 | 0 | 0 | 0.6333333 |
| 3 | 76172112 | T>A | 0 | 0 | 0 | 0 |
| 3 | 76177220 | C>T | 0 | 0 | 0 | 0.5133333 |
| 3 | 76221312 | G>C | 0 | 0 | 0 | 0 |
| 3 | 76222887 | A>G | 0 | 0.333333333 | 0 | 0.37 |
| 3 | 76223542 | T>G | 0 | 0 | 0 | 0.3933333 |
| 3 | 76228034 | A>G | 0 | 0.333333333 | 0.333333333 | 0 |
| 3 | 76265009 | G>T | 0 | 0.303333333 | 0 | 0 |
| 3 | 76336662 | A>G | 0 | 0.535 | 0 | 0 |
| 3 | 76406327 | T>C | 0 | 0 | 0 | 0 |
| 3 | 76467516 | A>T | 0 | 0 | 0 | 0 |
| 3 | 76683634 | G>A | 0 | 0 | 0 | 0.4766667 |
| 3 | 76707847 | A>T | 0 | 0 | 0 | 0 |
| 3 | 76799097 | C>A | 0 | 0 | 0 | 0.4266667 |
| 3 | 76799362 | G>A | 0 | 0 | 0 | 0 |
| 3 | 76799852 | T>A | 0 | 0.758333333 | 0 | 0 |
| 3 | 77018881 | A>G | 0 | 0 | 0 | 0 |
| 3 | 77052814 | C>T | 0 | 0.385 | 0 | 0 |
| 3 | 77128375 | C>G | 0 | 0.5 | 0 | 0 |
| 3 | 77219235 | G>C | 0 | 0 | 0 | 0 |
| 3 | 77219287 | T>G | 0 | 0 | 0 | 0 |
| 3 | 77435955 | G>T | 0 | 0.345 | 0 | 0 |
| 3 | 77685626 | C>A | 0 | 0.385 | 0 | 0 |
| 3 | 78728854 | G>A | 0 | 0 | 0 | 0.5066667 |
| 3 | 78729398 | T>A | 0 | 0 | 0 | 0.5133333 |
| 3 | 78806262 | A>G | 0 | 0.345 | 0 | 0.3033333 |
| 3 | 78995550 | C>G | 0 | 0.455 | 0 | 0 |
| 3 | 78996636 | T>A | 0 | 0 | 0 | 0 |
| 3 | 79099177 | T>C | 0 | 0 | 0 | 1 |
| 3 | 79215939 | G>A | 0 | 0 | 0 | 0.5566667 |
| 3 | 79383204 | C>T | 0 | 0 | 0 | 0 |
| 3 | 79475573 | C>T | 0 | 0.37 | 0 | 0 |
| 3 | 79475574 | A>G | 0 | 0.37 | 0 | 0 |
| 3 | 79520949 | C>G | 0 | 0 | 0 | 0.4166667 |
| 3 | 79608960 | A>G | 0 | 0 | 0 | 0.3233333 |
| 3 | 79660688 | T>C | 0 | 0 | 0 | 0.3633333 |
| 3 | 79675238 | G>A | 0 | 0.303333333 | 0 | 0 |
| 3 | 79708167 | G>T | 0 | 0 | 0 | 0 |
| 3 | 79763038 | G>A | 0 | 0.351666667 | 0 | 0 |
| 3 | 79805439 | T>C | 0 | 0.438333333 | 0 | 0.46 |
| 3 | 81574423 | T>G | 0 | 0 | 0 | 0.4766667 |

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|----|---|----------|-----|---|-------------|-------|-----------|
| 1 | | | | | | | |
| 2 | 3 | 81679531 | T>A | 0 | 0.555 | 0 | 0 |
| 3 | 3 | 81679546 | C>T | 0 | 0.625 | 0 | 0 |
| 4 | 3 | 81681826 | T>C | 0 | 0 | 0 | 0.6666667 |
| 5 | 3 | 81760893 | G>T | 0 | 0.46 | 0 | 0 |
| 6 | 3 | 81761585 | A>G | 0 | 0.5 | 0 | 0 |
| 7 | 3 | 85918831 | T>C | 0 | 0 | 0.435 | 0 |
| 8 | 3 | 85967709 | C>T | 0 | 0.361666667 | 0 | 0 |
| 9 | 3 | 85994697 | A>G | 0 | 0 | 0 | 0.38 |
| 10 | 3 | 85995185 | A>G | 0 | 0 | 0 | 0 |
| 11 | 3 | 85995484 | G>C | 0 | 0 | 0 | 0 |
| 12 | 3 | 87005695 | T>G | 0 | 0 | 0 | 0.37 |
| 13 | 3 | 89286430 | G>T | 0 | 0 | 0 | 0 |
| 14 | 3 | 93652668 | T>C | 0 | 0 | 0 | 0.4 |
| 15 | 3 | 93669409 | A>C | 0 | 0 | 0 | 0.5333333 |
| 16 | 3 | 93673880 | T>A | 0 | 0 | 0 | 0.46 |
| 17 | 3 | 93674022 | A>G | 0 | 0 | 0 | 0 |
| 18 | 3 | 93676744 | C>G | 0 | 0 | 0 | 0 |
| 19 | 3 | 93796800 | C>T | 0 | 0.361666667 | 0 | 0 |
| 20 | 3 | 96659204 | A>C | 0 | 0.356666667 | 0 | 0 |
| 21 | 3 | 96699175 | A>T | 0 | 0 | 0 | 0.5566667 |
| 22 | 3 | 96744557 | C>T | 0 | 0.333333333 | 0 | 0 |
| 23 | 3 | 96797168 | A>T | 0 | 0.333333333 | 0 | 0 |
| 24 | 3 | 96846353 | T>C | 0 | 0.785 | 0 | 0 |
| 25 | 3 | 97048478 | C>T | 0 | 0 | 0 | 0.4433333 |
| 26 | 3 | 97048489 | C>G | 0 | 0 | 0 | 0.4166667 |
| 27 | 3 | 97224533 | G>T | 0 | 0.356666667 | 0 | 0.4933333 |
| 28 | 3 | 97225047 | T>A | 0 | 0.378333333 | 0 | 0 |
| 29 | 3 | 97262774 | T>C | 0 | 0.641666667 | 0 | 0 |
| 30 | 3 | 97396352 | T>G | 0 | 0.555 | 0 | 0 |
| 31 | 3 | 97491734 | A>G | 0 | 0 | 0 | 0.4033333 |
| 32 | 3 | 97513096 | A>G | 0 | 0.476666667 | 0 | 0 |
| 33 | 3 | 97681315 | C>T | 0 | 0.455 | 0 | 0 |
| 34 | 3 | 98309031 | A>G | 0 | 0.555 | 0 | 0 |
| 35 | 3 | 98579428 | G>A | 0 | 0.5 | 0 | 0.6066667 |
| 36 | 3 | 99417193 | A>G | 0 | 0.385 | 0 | 0 |
| 37 | 3 | 99446290 | G>C | 0 | 0.37 | 0 | 0 |
| 38 | 3 | 99459243 | G>A | 0 | 0.5 | 0 | 0 |
| 39 | 3 | 99459244 | C>A | 0 | 0.5 | 0 | 0 |
| 40 | 3 | 99754377 | A>G | 0 | 0 | 0 | 0 |
| 41 | 3 | 1E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 42 | 3 | 1E+08 | G>A | 0 | 0 | 0 | 0 |
| 43 | 3 | 1E+08 | G>A | 0 | 0 | 0 | 0 |
| 44 | 3 | 1E+08 | C>T | 0 | 0 | 0 | 0.3033333 |
| 45 | 3 | 1E+08 | A>G | 0 | 0 | 0 | 0 |
| 46 | 3 | 1E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 47 | 3 | 1E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 48 | 3 | 1E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 49 | 3 | 1E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 50 | 3 | 1E+08 | C>T | 0 | 0 | 0 | 0 |
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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | | | | | | | |
| 2 | 3 | 1E+08 | C>T | 0 | 0 | 0 | 0.30333333 |
| 3 | 3 | 1E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 3 | 1E+08 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 5 | 3 | 1.01E+08 | T>A | 0 | 0 | 0 | 0.4 |
| 6 | 3 | 1.01E+08 | C>T | 0 | 0.3333333333 | 0.3516666667 | 0 |
| 7 | 3 | 1.01E+08 | G>A | 0 | 0.4383333333 | 0 | 0.39333333 |
| 8 | 3 | 1.01E+08 | A>C | 0 | 0 | 0 | 0.35666667 |
| 9 | 3 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.33333333 |
| 10 | 3 | 1.01E+08 | T>C | 0 | 0.455 | 0 | 0.35666667 |
| 11 | 3 | 1.01E+08 | G>A | 0 | 0 | 0 | 0 |
| 12 | 3 | 1.01E+08 | C>T | 0 | 0.3466666667 | 0 | 0.69333333 |
| 13 | 3 | 1.01E+08 | G>A | 0 | 0 | 0 | 0 |
| 14 | 3 | 1.01E+08 | A>T | 0 | 0 | 0 | 0.59666667 |
| 15 | 3 | 1.01E+08 | A>G | 0 | 0 | 0 | 0 |
| 16 | 3 | 1.01E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 3 | 1.01E+08 | A>G | 0 | 0 | 0 | 0.78333333 |
| 18 | 3 | 1.01E+08 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 19 | 3 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.66666667 |
| 20 | 3 | 1.01E+08 | C>T | 0 | 0 | 0 | 0 |
| 21 | 3 | 1.05E+08 | T>C | 0 | 0 | 0 | 0.35333333 |
| 22 | 3 | 1.05E+08 | C>T | 0 | 0 | 0 | 0.38333333 |
| 23 | 3 | 1.07E+08 | T>C | 0 | 0.345 | 0 | 0 |
| 24 | 3 | 1.07E+08 | C>T | 0 | 0 | 0 | 0.53666667 |
| 25 | 3 | 1.08E+08 | T>A | 0 | 0.3133333333 | 0 | 1 |
| 26 | 3 | 1.08E+08 | A>G | 0 | 0.8966666667 | 0 | 0 |
| 27 | 3 | 1.08E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 28 | 3 | 1.08E+08 | A>G | 0 | 0 | 0 | 0.31333333 |
| 29 | 3 | 1.08E+08 | T>C | 0 | 0 | 0 | 0 |
| 30 | 3 | 1.09E+08 | G>A | 0 | 0 | 0 | 0.45 |
| 31 | 3 | 1.09E+08 | C>T | 0 | 0 | 0 | 0.43333333 |
| 32 | 3 | 1.09E+08 | T>G | 0 | 0.4766666667 | 0 | 0 |
| 33 | 3 | 1.09E+08 | A>G | 0 | 0.51 | 0 | 0 |
| 34 | 3 | 1.09E+08 | A>T | 0 | 0 | 0 | 0 |
| 35 | 3 | 1.09E+08 | T>C | 0 | 0 | 0 | 0.49 |
| 36 | 3 | 1.11E+08 | A>G | 0 | 0 | 0 | 0 |
| 37 | 3 | 1.11E+08 | G>C | 0 | 0 | 0 | 0.83333333 |
| 38 | 3 | 1.11E+08 | T>G | 0 | 0.37 | 0 | 0 |
| 39 | 3 | 1.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 40 | 3 | 1.12E+08 | T>C | 0 | 0.3233333333 | 0 | 0.43333333 |
| 41 | 3 | 1.12E+08 | T>C | 0 | 0 | 0 | 0.35 |
| 42 | 3 | 1.12E+08 | T>G | 0 | 0.3916666667 | 0 | 0 |
| 43 | 3 | 1.12E+08 | A>G | 0 | 0.77 | 0 | 0 |
| 44 | 3 | 1.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 45 | 3 | 1.12E+08 | A>G | 0 | 0.4633333333 | 0 | 0 |
| 46 | 3 | 1.12E+08 | C>T | 0 | 0 | 0 | 0 |
| 47 | 3 | 1.12E+08 | G>A | 0 | 0 | 0 | 0.70333333 |
| 48 | 3 | 1.12E+08 | A>G | 0 | 0 | 0 | 0 |
| 49 | 3 | 1.12E+08 | G>A | 0 | 0.4166666667 | 0 | 0 |
| 50 | 3 | 1.12E+08 | T>C | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 3 | 1.12E+08 | T>C | 0 | 0 | 0 | 0 |
| 3 | 3 | 1.12E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 3 | 1.13E+08 | T>C | 0 | 0.3233333333 | 0 | 0 |
| 5 | 3 | 1.13E+08 | T>C | 0 | 0 | 0.32 | 0.58666667 |
| 6 | 3 | 1.13E+08 | A>C | 0 | 0 | 0 | 0.60666667 |
| 7 | 3 | 1.13E+08 | C>T | 0 | 0 | 0 | 0.63333333 |
| 8 | 3 | 1.13E+08 | T>G | 0 | 0 | 0 | 0 |
| 9 | 3 | 1.13E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 10 | 3 | 1.13E+08 | A>G | 0 | 0 | 0 | 0.37 |
| 11 | 3 | 1.13E+08 | T>C | 0 | 0.346666667 | 0 | 0 |
| 12 | 3 | 1.13E+08 | T>G | 0 | 0.4383333333 | 0 | 0.80333333 |
| 13 | 3 | 1.13E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 14 | 3 | 1.14E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 15 | 3 | 1.14E+08 | G>A | 0 | 0 | 0 | 0.35 |
| 16 | 3 | 1.14E+08 | T>C | 0 | 0.625 | 0 | 0 |
| 17 | 3 | 1.14E+08 | C>G | 0 | 0.455 | 0 | 0 |
| 18 | 3 | 1.14E+08 | C>T | 0 | 0.46 | 0 | 0.74 |
| 19 | 3 | 1.14E+08 | C>G | 0 | 0.351666667 | 0.3133333333 | 0.83333333 |
| 20 | 3 | 1.14E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 21 | 3 | 1.14E+08 | T>C | 0 | 0.4483333333 | 0 | 0 |
| 22 | 3 | 1.14E+08 | T>G | 0 | 0 | 0 | 0 |
| 23 | 3 | 1.15E+08 | A>G | 0 | 0 | 0 | 0 |
| 24 | 3 | 1.15E+08 | C>A | 0 | 0 | 0 | 0 |
| 25 | 3 | 1.15E+08 | A>G | 0 | 0 | 0 | 0 |
| 26 | 3 | 1.16E+08 | G>T | 0 | 0 | 0 | 0 |
| 27 | 3 | 1.16E+08 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 28 | 3 | 1.16E+08 | A>T | 0 | 0.351666667 | 0 | 0 |
| 29 | 3 | 1.19E+08 | A>G | 0 | 0 | 0 | 0.58666667 |
| 30 | 3 | 1.19E+08 | A>C | 0 | 0.4383333333 | 0 | 0.34666667 |
| 31 | 3 | 1.19E+08 | G>C | 0 | 0 | 0 | 0.33333333 |
| 32 | 3 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 33 | 3 | 1.19E+08 | G>C | 0 | 0.3783333333 | 0 | 0 |
| 34 | 3 | 1.19E+08 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 35 | 3 | 1.19E+08 | A>C | 0 | 0.396666667 | 0 | 0.37 |
| 36 | 3 | 1.19E+08 | T>C | 0 | 0 | 0 | 0.54333333 |
| 37 | 3 | 1.19E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 38 | 3 | 1.19E+08 | G>A | 0 | 0.3133333333 | 0 | 0 |
| 39 | 3 | 1.2E+08 | T>C | 0 | 0.5833333333 | 0 | 0 |
| 40 | 3 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 3 | 1.2E+08 | A>C | 0 | 0 | 0 | 0.41666667 |
| 42 | 3 | 1.2E+08 | A>G | 0 | 0.346666667 | 0 | 0 |
| 43 | 3 | 1.2E+08 | A>C | 0 | 0.416666667 | 0 | 0 |
| 44 | 3 | 1.2E+08 | A>G | 0 | 0.4833333333 | 0 | 0 |
| 45 | 3 | 1.2E+08 | C>G | 0 | 0.3333333333 | 0 | 0.49333333 |
| 46 | 3 | 1.2E+08 | T>C | 0 | 0 | 0 | 0.41666667 |
| 47 | 3 | 1.2E+08 | G>A | 0 | 0 | 0 | 0.47666667 |
| 48 | 3 | 1.2E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 3 | 1.2E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 50 | 3 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 51 | 3 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 52 | 3 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 53 | 3 | 1.2E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 54 | 3 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 55 | 3 | 1.2E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 56 | 3 | 1.2E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 57 | 3 | 1.2E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 58 | 3 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 59 | | | | | | | |
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|---|----------|-----|---|--------------|--------------|------------|
| 3 | 1.2E+08 | C>A | 0 | 0 | 0 | 0 |
| 3 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 1.2E+08 | A>G | 0 | 0 | 0.3333333333 | 0.39333333 |
| 3 | 1.21E+08 | T>C | 0 | 0.3133333333 | 0 | 0.36333333 |
| 3 | 1.21E+08 | T>G | 0 | 0 | 0 | 0.30333333 |
| 3 | 1.21E+08 | C>G | 0 | 0 | 0 | 0.50333333 |
| 3 | 1.21E+08 | G>A | 0 | 0 | 0 | 0.4 |
| 3 | 1.21E+08 | C>T | 0 | 0 | 0 | 0 |
| 3 | 1.21E+08 | A>G | 0 | 0.4166666667 | 0 | 0.43333333 |
| 3 | 1.21E+08 | C>T | 0 | 0.8966666667 | 0.3033333333 | 0.80666667 |
| 3 | 1.21E+08 | C>T | 0 | 0 | 0 | 0.32666667 |
| 3 | 1.21E+08 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 3 | 1.21E+08 | C>A | 0 | 0.3233333333 | 0 | 0 |
| 3 | 1.21E+08 | A>G | 0 | 0.6066666667 | 0 | 0.58 |
| 3 | 1.21E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 1.21E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 3 | 1.21E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 1.21E+08 | G>A | 0 | 0 | 0 | 0.93333333 |
| 3 | 1.21E+08 | G>A | 0 | 0 | 0 | 0.60666667 |
| 3 | 1.21E+08 | C>A | 0 | 0 | 0 | 0.72 |
| 3 | 1.21E+08 | C>T | 0 | 0.3566666667 | 0 | 0.57 |
| 3 | 1.21E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 1.21E+08 | T>G | 0 | 0 | 0 | 0.91 |
| 3 | 1.21E+08 | C>G | 0 | 0.4766666667 | 0 | 0 |
| 3 | 1.21E+08 | T>C | 0 | 0.3966666667 | 0 | 0 |
| 3 | 1.21E+08 | G>A | 0 | 0.3916666667 | 0 | 0 |
| 3 | 1.21E+08 | T>C | 0 | 0.3166666667 | 0 | 0.34333333 |
| 3 | 1.21E+08 | C>T | 0 | 0 | 0 | 0 |
| 3 | 1.21E+08 | T>C | 0 | 0.3916666667 | 0 | 0 |
| 3 | 1.21E+08 | C>G | 0 | 0 | 0.445 | 0 |
| 3 | 1.21E+08 | C>T | 0 | 0 | 0 | 0 |
| 3 | 1.21E+08 | A>C | 0 | 0.3566666667 | 0 | 0 |
| 3 | 1.21E+08 | G>T | 0 | 0.3566666667 | 0 | 0 |
| 3 | 1.21E+08 | C>G | 0 | 0 | 0 | 0.47666667 |
| 3 | 1.21E+08 | T>A | 0 | 0 | 0 | 0 |
| 3 | 1.21E+08 | A>C | 0 | 0 | 0 | 0.48666667 |
| 3 | 1.21E+08 | G>A | 0 | 0.4166666667 | 0 | 0 |
| 3 | 1.21E+08 | A>T | 0 | 0.385 | 0 | 0 |
| 3 | 1.21E+08 | G>A | 0 | 0 | 0 | 0.33333333 |
| 3 | 1.21E+08 | T>C | 0 | 0 | 0 | 0.55666667 |
| 3 | 1.21E+08 | A>G | 0 | 0.4766666667 | 0 | 0 |
| 3 | 1.22E+08 | C>T | 0 | 0 | 0 | 0.45333333 |
| 3 | 1.22E+08 | G>C | 0 | 0 | 0 | 0 |
| 3 | 1.22E+08 | C>T | 0 | 0.3566666667 | 0.3566666667 | 0.97333333 |
| 3 | 1.22E+08 | C>T | 0 | 0.49 | 0 | 0 |
| 3 | 1.22E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 1.22E+08 | T>C | 0 | 0.3466666667 | 0 | 0 |
| 3 | 1.22E+08 | C>T | 0 | 0 | 0 | 0.35 |
| 3 | 1.22E+08 | A>G | 0 | 0.4316666667 | 0.3083333333 | 0 |

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|----|---|----------|-----|---|--------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 3 | 1.22E+08 | C>T | 0 | 0 | 0 | 1 |
| 3 | 3 | 1.22E+08 | A>G | 0 | 0 | 0 | 0.49333333 |
| 4 | 3 | 1.22E+08 | T>C | 0 | 0.625 | 0 | 0 |
| 5 | 3 | 1.22E+08 | G>A | 0 | 0 | 0 | 0 |
| 6 | 3 | 1.22E+08 | T>G | 0 | 0.385 | 0 | 0 |
| 7 | 3 | 1.22E+08 | C>G | 0 | 0.405 | 0 | 0 |
| 8 | 3 | 1.22E+08 | G>A | 0 | 0 | 0 | 0.52666667 |
| 9 | 3 | 1.22E+08 | C>T | 0 | 0.37 | 0 | 0.31333333 |
| 10 | 3 | 1.22E+08 | A>T | 0 | 0.37 | 0 | 0 |
| 11 | 3 | 1.23E+08 | C>T | 0 | 0 | 0 | 0 |
| 12 | 3 | 1.23E+08 | C>G | 0 | 0 | 0 | 0 |
| 13 | 3 | 1.23E+08 | A>G | 0 | 0 | 0 | 0.49666667 |
| 14 | 3 | 1.23E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 15 | 3 | 1.23E+08 | A>G | 0 | 0 | 0 | 0 |
| 16 | 3 | 1.23E+08 | A>C | 0 | 0.3783333333 | 0 | 0 |
| 17 | 3 | 1.23E+08 | C>T | 0 | 0 | 0 | 0 |
| 18 | 3 | 1.23E+08 | A>G | 0 | 0 | 0 | 0 |
| 19 | 3 | 1.23E+08 | C>T | 0 | 0.77 | 0 | 0 |
| 20 | 3 | 1.23E+08 | T>G | 0 | 0 | 0 | 0 |
| 21 | 3 | 1.23E+08 | A>C | 0 | 0.5733333333 | 0 | 0.40666667 |
| 22 | 3 | 1.23E+08 | C>G | 0 | 0 | 0 | 0 |
| 23 | 3 | 1.24E+08 | C>G | 0 | 0.435 | 0 | 0 |
| 24 | 3 | 1.24E+08 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 25 | 3 | 1.24E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 26 | 3 | 1.24E+08 | T>C | 0 | 0 | 0 | 0 |
| 27 | 3 | 1.24E+08 | A>G | 0 | 0 | 0 | 0 |
| 28 | 3 | 1.24E+08 | A>T | 0 | 0 | 0 | 0 |
| 29 | 3 | 1.24E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 30 | 3 | 1.24E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 31 | 3 | 1.24E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 32 | 3 | 1.25E+08 | C>A | 0 | 0.396666667 | 0 | 0 |
| 33 | 3 | 1.25E+08 | C>A | 0 | 0 | 0 | 0 |
| 34 | 3 | 1.25E+08 | T>C | 0 | 0.455 | 0 | 0.31 |
| 35 | 3 | 1.25E+08 | G>A | 0 | 0 | 0 | 0 |
| 36 | 3 | 1.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 37 | 3 | 1.25E+08 | T>C | 0 | 0 | 0 | 0 |
| 38 | 3 | 1.25E+08 | A>C | 0 | 0 | 0 | 0 |
| 39 | 3 | 1.25E+08 | C>G | 0 | 0 | 0 | 0.66666667 |
| 40 | 3 | 1.25E+08 | A>G | 0 | 0 | 0 | 0.36 |
| 41 | 3 | 1.25E+08 | C>T | 0 | 0.361666667 | 0 | 0 |
| 42 | 3 | 1.25E+08 | C>T | 0 | 0 | 0 | 0.55666667 |
| 43 | 3 | 1.25E+08 | A>G | 0 | 0 | 0 | 0.55666667 |
| 44 | 3 | 1.26E+08 | G>A | 0 | 0 | 0 | 0.66666667 |
| 45 | 3 | 1.27E+08 | T>C | 0 | 0 | 0 | 0.34 |
| 46 | 3 | 1.27E+08 | T>G | 0 | 0 | 0.416666667 | 0 |
| 47 | 3 | 1.27E+08 | T>C | 0 | 0.521666667 | 0 | 0.39333333 |
| 48 | 3 | 1.27E+08 | G>C | 0 | 0 | 0 | 0 |
| 49 | 3 | 1.27E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 50 | 3 | 1.27E+08 | T>A | 0 | 0.416666667 | 0 | 0 |
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| 3 | 1.28E+08 | A>C | 0 | 0.313333333 | 0 | 0 |
| 3 | 1.28E+08 | C>T | 0 | 0 | 0 | 0.38 |
| 3 | 1.28E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 1.28E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 1.28E+08 | T>C | 0 | 0 | 0 | 0 |
| 3 | 1.28E+08 | G>C | 0 | 0.351666667 | 0 | 0.45 |
| 3 | 1.29E+08 | T>C | 0 | 0 | 0 | 0 |
| 3 | 1.29E+08 | T>C | 0 | 0 | 0 | 0.53333333 |
| 3 | 1.29E+08 | G>A | 0 | 0.521666667 | 0 | 0.3266667 |
| 3 | 1.29E+08 | C>A | 0 | 0.49 | 0 | 0 |
| 3 | 1.29E+08 | A>G | 0 | 0.346666667 | 0 | 0 |
| 3 | 1.29E+08 | C>G | 0 | 0.316666667 | 0 | 0 |
| 3 | 1.3E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 1.3E+08 | C>T | 0 | 0.388333333 | 0 | 0.34333333 |
| 3 | 1.3E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 1.3E+08 | T>A | 0 | 0 | 0 | 0 |
| 3 | 1.31E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 3 | 1.31E+08 | T>C | 0 | 0 | 0 | 0 |
| 3 | 1.31E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 3 | 1.31E+08 | G>T | 0 | 0 | 0 | 0 |
| 3 | 1.31E+08 | T>G | 0 | 0 | 0 | 0.5566667 |
| 3 | 1.31E+08 | G>T | 0 | 0.378333333 | 0 | 0 |
| 3 | 1.31E+08 | C>T | 0 | 0 | 0 | 1 |
| 3 | 1.31E+08 | A>G | 0 | 0.833333333 | 0 | 0.3466667 |
| 3 | 1.32E+08 | G>C | 0 | 0 | 0 | 0 |
| 3 | 1.32E+08 | A>C | 0 | 0 | 0.37 | 0 |
| 3 | 1.32E+08 | C>T | 0 | 0 | 0 | 0 |
| 3 | 1.32E+08 | T>C | 0 | 0.476666667 | 0 | 0.4166667 |
| 3 | 1.32E+08 | T>C | 0 | 0.606666667 | 0 | 0 |
| 3 | 1.32E+08 | A>G | 0 | 0.308333333 | 0 | 0 |
| 3 | 1.32E+08 | T>C | 0 | 0.486666667 | 0 | 0 |
| 3 | 1.32E+08 | T>C | 0 | 0 | 0 | 0 |
| 3 | 1.32E+08 | T>A | 0 | 0 | 0 | 0 |
| 3 | 1.32E+08 | T>G | 0 | 0 | 0 | 0.43333333 |
| 3 | 1.32E+08 | C>T | 0 | 0.333333333 | 0 | 0.43333333 |
| 3 | 1.32E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 1.33E+08 | G>A | 0 | 0 | 0 | 0.58 |
| 3 | 1.33E+08 | A>G | 0 | 0 | 0 | 0.51333333 |
| 3 | 1.33E+08 | G>A | 0 | 0 | 0 | 0.6266667 |
| 3 | 1.33E+08 | C>T | 0 | 0.49 | 0 | 0 |
| 3 | 1.33E+08 | T>G | 0 | 0 | 0 | 0.30333333 |
| 3 | 1.33E+08 | G>C | 0 | 0 | 0 | 0 |
| 3 | 1.33E+08 | C>T | 0 | 0.396666667 | 0 | 0 |
| 3 | 1.34E+08 | A>G | 0 | 0 | 0 | 0.39333333 |
| 3 | 1.34E+08 | G>A | 0 | 0.5 | 0 | 0 |
| 3 | 1.34E+08 | C>A | 0 | 0 | 0 | 0 |
| 3 | 1.34E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 1.36E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 1.36E+08 | A>T | 0 | 0 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 3 | 1.36E+08 | T>C | 0 | 0 | 0.3333333333 | 0.66666667 |
| 3 | 3 | 1.36E+08 | C>T | 0 | 0.3516666667 | 0 | 0.30333333 |
| 4 | 3 | 1.36E+08 | G>A | 0 | 0.5266666667 | 0 | 0.39666667 |
| 5 | 3 | 1.36E+08 | A>T | 0 | 0.455 | 0 | 0 |
| 6 | 3 | 1.36E+08 | A>G | 0 | 0.3966666667 | 0.4166666667 | 0 |
| 7 | 3 | 1.36E+08 | C>T | 0 | 0.4383333333 | 0 | 0 |
| 8 | 3 | 1.36E+08 | T>C | 0 | 0.3333333333 | 0.6783333333 | 0.40333333 |
| 9 | 3 | 1.36E+08 | T>C | 0 | 0 | 0 | 0 |
| 10 | 3 | 1.36E+08 | A>G | 0 | 0 | 0 | 0 |
| 11 | 3 | 1.36E+08 | G>A | 0 | 0.5133333333 | 0 | 0 |
| 12 | 3 | 1.36E+08 | A>G | 0 | 0 | 0 | 0.52 |
| 13 | 3 | 1.36E+08 | C>T | 0 | 0 | 0 | 0 |
| 14 | 3 | 1.36E+08 | T>C | 0 | 0 | 0 | 0.52666667 |
| 15 | 3 | 1.36E+08 | A>T | 0 | 0.4166666667 | 0 | 0 |
| 16 | 3 | 1.36E+08 | C>T | 0 | 0.3916666667 | 0 | 0 |
| 17 | 3 | 1.36E+08 | T>G | 0 | 0.37 | 0 | 0.78333333 |
| 18 | 3 | 1.36E+08 | G>A | 0 | 0.385 | 0 | 0 |
| 19 | 3 | 1.36E+08 | C>A | 0 | 0.3333333333 | 0.3466666667 | 0 |
| 20 | 3 | 1.36E+08 | C>G | 0 | 0.3333333333 | 0 | 0 |
| 21 | 3 | 1.36E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 22 | 3 | 1.37E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 23 | 3 | 1.37E+08 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 24 | 3 | 1.37E+08 | A>G | 0 | 0.3333333333 | 0 | 0.31333333 |
| 25 | 3 | 1.37E+08 | G>A | 0 | 0 | 0 | 0 |
| 26 | 3 | 1.37E+08 | G>T | 0 | 0 | 0 | 0 |
| 27 | 3 | 1.38E+08 | T>C | 0 | 0.6 | 0 | 0 |
| 28 | 3 | 1.38E+08 | C>T | 0 | 0 | 0.3916666667 | 0 |
| 29 | 3 | 1.38E+08 | A>T | 0 | 0 | 0 | 0.72333333 |
| 30 | 3 | 1.38E+08 | T>C | 0 | 0 | 0 | 0 |
| 31 | 3 | 1.38E+08 | A>G | 0 | 0 | 0 | 0.83333333 |
| 32 | 3 | 1.38E+08 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 33 | 3 | 1.38E+08 | G>A | 0 | 0 | 0 | 0.37 |
| 34 | 3 | 1.38E+08 | G>A | 0 | 0 | 0 | 1 |
| 35 | 3 | 1.38E+08 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 36 | 3 | 1.38E+08 | T>C | 0 | 0 | 0 | 0.66666667 |
| 37 | 3 | 1.39E+08 | C>G | 0 | 0 | 0 | 0.37 |
| 38 | 3 | 1.39E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 3 | 1.39E+08 | G>A | 0 | 0 | 0 | 0 |
| 40 | 3 | 1.39E+08 | A>G | 0 | 0 | 0 | 0 |
| 41 | 3 | 1.39E+08 | G>T | 0 | 0.3333333333 | 0 | 0.53333333 |
| 42 | 3 | 1.39E+08 | T>A | 0 | 0.77 | 0 | 0 |
| 43 | 3 | 1.39E+08 | C>T | 0 | 0.4166666667 | 0 | 0 |
| 44 | 3 | 1.39E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 45 | 3 | 1.39E+08 | T>C | 0 | 0.4633333333 | 0 | 0 |
| 46 | 3 | 1.39E+08 | G>T | 0 | 0 | 0.3783333333 | 0 |
| 47 | 3 | 1.4E+08 | A>G | 0 | 0 | 0 | 0 |
| 48 | 3 | 1.4E+08 | C>T | 0 | 0 | 0 | 0 |
| 49 | 3 | 1.4E+08 | A>G | 0 | 0 | 0 | 0 |
| 50 | 3 | 1.4E+08 | G>A | 0 | 0.385 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 3 | 1.4E+08 | T>G | 0 | 0 | 0 | 0 |
| 3 | 3 | 1.41E+08 | T>C | 0 | 0 | 0 | 0 |
| 4 | 3 | 1.41E+08 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 5 | 3 | 1.41E+08 | C>T | 0 | 0 | 0 | 0 |
| 6 | 3 | 1.41E+08 | A>G | 0 | 0.3083333333 | 0 | 0.4166667 |
| 7 | 3 | 1.41E+08 | C>G | 0 | 0 | 0 | 0.5966667 |
| 8 | 3 | 1.41E+08 | G>A | 0 | 0 | 0 | 0.4 |
| 9 | 3 | 1.41E+08 | A>C | 0 | 0 | 0 | 0.3566667 |
| 10 | 3 | 1.42E+08 | T>C | 0 | 0.666666667 | 0 | 0 |
| 11 | 3 | 1.42E+08 | T>C | 0 | 0 | 0 | 0.33333333 |
| 12 | 3 | 1.42E+08 | A>G | 0 | 0.381666667 | 0 | 0 |
| 13 | 3 | 1.42E+08 | A>T | 0 | 0.521666667 | 0 | 0.89 |
| 14 | 3 | 1.42E+08 | C>A | 0 | 0 | 0 | 0.37 |
| 15 | 3 | 1.42E+08 | C>T | 0 | 0 | 0 | 0.93 |
| 16 | 3 | 1.42E+08 | C>T | 0 | 0 | 0 | 0.31333333 |
| 17 | 3 | 1.42E+08 | A>G | 0 | 0 | 0 | 0.52 |
| 18 | 3 | 1.42E+08 | A>G | 0 | 0.516666667 | 0 | 0 |
| 19 | 3 | 1.42E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 20 | 3 | 1.42E+08 | G>A | 0 | 0 | 0.3333333333 | 0 |
| 21 | 3 | 1.42E+08 | A>G | 0 | 0.516666667 | 0 | 0.4066667 |
| 22 | 3 | 1.42E+08 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 23 | 3 | 1.42E+08 | T>C | 0 | 0 | 0 | 0 |
| 24 | 3 | 1.42E+08 | C>T | 0 | 0 | 0 | 0.5366667 |
| 25 | 3 | 1.42E+08 | G>A | 0 | 0.3883333333 | 0 | 0 |
| 26 | 3 | 1.42E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 27 | 3 | 1.42E+08 | A>G | 0 | 0 | 0 | 0.38333333 |
| 28 | 3 | 1.42E+08 | G>A | 0 | 0.385 | 0 | 0 |
| 29 | 3 | 1.42E+08 | T>A | 0 | 0.455 | 0 | 0 |
| 30 | 3 | 1.42E+08 | A>G | 0 | 0 | 0 | 0 |
| 31 | 3 | 1.43E+08 | C>A | 0 | 0.5 | 0 | 0 |
| 32 | 3 | 1.43E+08 | T>C | 0 | 0.5133333333 | 0 | 0 |
| 33 | 3 | 1.43E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 34 | 3 | 1.43E+08 | C>G | 0 | 0 | 0 | 0 |
| 35 | 3 | 1.43E+08 | C>A | 0 | 0 | 0 | 0.58 |
| 36 | 3 | 1.43E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 37 | 3 | 1.43E+08 | G>A | 0 | 0.6483333333 | 0 | 0.39333333 |
| 38 | 3 | 1.43E+08 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 39 | 3 | 1.46E+08 | T>C | 0 | 0 | 0 | 0.68333333 |
| 40 | 3 | 1.46E+08 | A>T | 0 | 0.555 | 0 | 0.44333333 |
| 41 | 3 | 1.47E+08 | T>C | 0 | 0 | 0 | 0 |
| 42 | 3 | 1.47E+08 | A>G | 0 | 0 | 0 | 0 |
| 43 | 3 | 1.47E+08 | G>A | 0 | 0 | 0 | 0 |
| 44 | 3 | 1.48E+08 | C>T | 0 | 0.3233333333 | 0 | 0 |
| 45 | 3 | 1.49E+08 | A>G | 0 | 0.391666667 | 0 | 0 |
| 46 | 3 | 1.5E+08 | G>A | 0 | 0 | 0 | 0 |
| 47 | 3 | 1.5E+08 | A>G | 0 | 0 | 0 | 0 |
| 48 | 3 | 1.5E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 49 | 3 | 1.51E+08 | A>C | 0 | 0 | 0 | 0.63333333 |
| 50 | 3 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 3 | 1.51E+08 | T>A | 0 | 0.513333333 | 0 | 0 |
| 3 | 3 | 1.51E+08 | T>C | 0 | 0.595 | 0 | 0 |
| 4 | 3 | 1.51E+08 | T>A | 0 | 0 | 0 | 0.57 |
| 5 | 3 | 1.51E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 6 | 3 | 1.51E+08 | G>C | 0 | 0.555 | 0 | 1 |
| 7 | 3 | 1.51E+08 | T>C | 0 | 0 | 0 | 0 |
| 8 | 3 | 1.51E+08 | A>G | 0 | 0 | 0 | 0 |
| 9 | 3 | 1.52E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 10 | 3 | 1.52E+08 | T>C | 0 | 0.526666667 | 0 | 0 |
| 11 | 3 | 1.54E+08 | T>G | 0 | 0 | 0 | 0 |
| 12 | 3 | 1.54E+08 | A>C | 0 | 0.441666667 | 0 | 0.4166667 |
| 13 | 3 | 1.55E+08 | C>T | 0 | 0.435 | 0 | 0 |
| 14 | 3 | 1.55E+08 | A>T | 0 | 0 | 0 | 0 |
| 15 | 3 | 1.55E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 16 | 3 | 1.55E+08 | G>T | 0 | 0.333333333 | 0 | 0.5566667 |
| 17 | 3 | 1.55E+08 | G>A | 0 | 0.701666667 | 0 | 0 |
| 18 | 3 | 1.55E+08 | C>G | 0 | 0.486666667 | 0 | 0 |
| 19 | 3 | 1.56E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 20 | 3 | 1.56E+08 | C>G | 0 | 0 | 0 | 0 |
| 21 | 3 | 1.56E+08 | A>G | 0 | 0 | 0 | 0 |
| 22 | 3 | 1.56E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 23 | 3 | 1.56E+08 | G>T | 0 | 0 | 0 | 0 |
| 24 | 3 | 1.56E+08 | G>T | 0 | 0 | 0 | 0 |
| 25 | 3 | 1.56E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 26 | 3 | 1.56E+08 | C>T | 0 | 0 | 0 | 0 |
| 27 | 3 | 1.57E+08 | A>G | 0 | 0 | 0 | 0 |
| 28 | 3 | 1.57E+08 | T>C | 0 | 0.5 | 0 | 0.57 |
| 29 | 3 | 1.57E+08 | A>T | 0 | 0 | 0 | 0 |
| 30 | 3 | 1.57E+08 | C>A | 0 | 0.555 | 0 | 0 |
| 31 | 3 | 1.57E+08 | C>A | 0 | 0 | 0 | 0.37 |
| 32 | 3 | 1.58E+08 | C>T | 0 | 0.346666667 | 0 | 0.4866667 |
| 33 | 3 | 1.58E+08 | T>C | 0 | 0.555 | 0 | 0.64 |
| 34 | 3 | 1.58E+08 | G>A | 0 | 0 | 0 | 0 |
| 35 | 3 | 1.58E+08 | A>G | 0 | 0.74 | 0 | 0.37 |
| 36 | 3 | 1.58E+08 | G>A | 0 | 0.391666667 | 0 | 0.35 |
| 37 | 3 | 1.58E+08 | T>C | 0 | 0.641666667 | 0 | 0 |
| 38 | 3 | 1.58E+08 | A>G | 0 | 0 | 0.391666667 | 0.4 |
| 39 | 3 | 1.58E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 40 | 3 | 1.58E+08 | A>G | 0 | 0.463333333 | 0 | 0 |
| 41 | 3 | 1.58E+08 | A>G | 0 | 0 | 0 | 0.4433333 |
| 42 | 3 | 1.58E+08 | T>C | 0 | 0.648333333 | 0 | 0 |
| 43 | 3 | 1.59E+08 | G>T | 0 | 0 | 0.416666667 | 0 |
| 44 | 3 | 1.59E+08 | C>T | 0 | 0 | 0.445 | 0 |
| 45 | 3 | 1.59E+08 | G>A | 0 | 0 | 0 | 0.3233333 |
| 46 | 3 | 1.59E+08 | G>C | 0 | 0 | 0 | 0.36 |
| 47 | 3 | 1.59E+08 | T>C | 0 | 0.445 | 0 | 0.3433333 |
| 48 | 3 | 1.59E+08 | C>T | 0 | 0 | 0 | 0.5566667 |
| 49 | 3 | 1.59E+08 | G>A | 0 | 0 | 0 | 0.6466667 |
| 50 | 3 | 1.59E+08 | T>C | 0 | 0.313333333 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 3 | 1.59E+08 | G>A | 0 | 0.403333333 | 0 | 0 |
| 3 | 3 | 1.59E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 3 | 1.59E+08 | T>C | 0 | 0.625 | 0 | 0.62666667 |
| 5 | 3 | 1.59E+08 | G>T | 0 | 0 | 0 | 0.4 |
| 6 | 3 | 1.59E+08 | A>G | 0 | 0.651666667 | 0 | 0 |
| 7 | 3 | 1.59E+08 | G>T | 0 | 0.396666667 | 0 | 0 |
| 8 | 3 | 1.59E+08 | T>C | 0 | 0 | 0 | 0 |
| 9 | 3 | 1.59E+08 | G>A | 0 | 0 | 0 | 0 |
| 10 | 3 | 1.59E+08 | C>G | 0 | 0 | 0 | 0 |
| 11 | 3 | 1.59E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 12 | 3 | 1.6E+08 | G>A | 0 | 0 | 0 | 0.41666667 |
| 13 | 3 | 1.6E+08 | A>C | 0 | 0.32 | 0 | 0 |
| 14 | 3 | 1.6E+08 | G>A | 0 | 0 | 0 | 0 |
| 15 | 3 | 1.6E+08 | A>C | 0 | 0 | 0 | 0.47666667 |
| 16 | 3 | 1.6E+08 | C>G | 0 | 0.833333333 | 0 | 0 |
| 17 | 3 | 1.6E+08 | C>T | 0 | 0 | 0.346666667 | 0 |
| 18 | 3 | 1.6E+08 | T>C | 0 | 0 | 0 | 0 |
| 19 | 3 | 1.6E+08 | A>C | 0 | 0 | 0 | 0.36333333 |
| 20 | 3 | 1.61E+08 | C>T | 0 | 0.416666667 | 0 | 0.32333333 |
| 21 | 3 | 1.61E+08 | G>A | 0 | 0.715 | 0 | 0 |
| 22 | 3 | 1.61E+08 | G>T | 0 | 0 | 0 | 0.57333333 |
| 23 | 3 | 1.61E+08 | A>C | 0 | 0.303333333 | 0 | 0.54333333 |
| 24 | 3 | 1.61E+08 | T>C | 0 | 0 | 0 | 0.58 |
| 25 | 3 | 1.61E+08 | A>G | 0 | 0 | 0 | 0 |
| 26 | 3 | 1.61E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 27 | 3 | 1.61E+08 | G>C | 0 | 0.32 | 0 | 0 |
| 28 | 3 | 1.61E+08 | C>T | 0 | 0 | 0 | 0 |
| 29 | 3 | 1.61E+08 | G>A | 0 | 0 | 0 | 0 |
| 30 | 3 | 1.61E+08 | T>A | 0 | 0 | 0 | 0.77 |
| 31 | 3 | 1.61E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 32 | 3 | 1.61E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 33 | 3 | 1.61E+08 | C>A | 0 | 0 | 0 | 0.41666667 |
| 34 | 3 | 1.65E+08 | A>G | 0 | 0 | 0 | 0 |
| 35 | 3 | 1.67E+08 | A>G | 0 | 0.351666667 | 0.378333333 | 0.60666667 |
| 36 | 3 | 1.67E+08 | G>A | 0 | 0 | 0 | 0.52666667 |
| 37 | 3 | 1.67E+08 | C>A | 0 | 0.313333333 | 0 | 0 |
| 38 | 3 | 1.67E+08 | T>G | 0 | 0.378333333 | 0 | 0 |
| 39 | 3 | 1.68E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 40 | 3 | 1.68E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 41 | 3 | 1.68E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 42 | 3 | 1.7E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 43 | 3 | 1.7E+08 | G>A | 0 | 0.333333333 | 0 | 0.61333333 |
| 44 | 3 | 1.7E+08 | G>A | 0 | 0.4 | 0 | 0 |
| 45 | 3 | 1.7E+08 | T>C | 0 | 0 | 0 | 0 |
| 46 | 3 | 1.7E+08 | T>C | 0 | 0.32 | 0 | 0 |
| 47 | 3 | 1.7E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 48 | 3 | 1.7E+08 | G>T | 0 | 0 | 0 | 0.30333333 |
| 49 | 3 | 1.7E+08 | C>T | 0 | 0.391666667 | 0 | 0 |
| 50 | 3 | 1.7E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------|-----------|
| 1 | | | | | | | |
| 2 | 3 | 1.71E+08 | T>G | 0 | 0 | 0 | 0 |
| 3 | 3 | 1.71E+08 | G>A | 0 | 0.666666667 | 0 | 0 |
| 4 | 3 | 1.71E+08 | G>A | 0 | 0 | 0 | 0 |
| 5 | 3 | 1.71E+08 | A>C | 0 | 0 | 0 | 0 |
| 6 | 3 | 1.71E+08 | G>A | 0 | 0.833333333 | 0 | 0 |
| 7 | 3 | 1.71E+08 | T>G | 0 | 0.833333333 | 0 | 0 |
| 8 | 3 | 1.71E+08 | T>G | 0 | 0 | 0 | 0.36 |
| 9 | 3 | 1.71E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 10 | 3 | 1.72E+08 | T>G | 0 | 0 | 0 | 0 |
| 11 | 3 | 1.72E+08 | C>T | 0 | 0.308333333 | 0 | 0 |
| 12 | 3 | 1.72E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 13 | 3 | 1.72E+08 | G>T | 0 | 0.385 | 0 | 0 |
| 14 | 3 | 1.72E+08 | G>A | 0 | 0.583333333 | 0 | 0.8333333 |
| 15 | 3 | 1.72E+08 | C>A | 0 | 0.416666667 | 0 | 0 |
| 16 | 3 | 1.72E+08 | A>T | 0 | 0 | 0 | 0.31 |
| 17 | 3 | 1.72E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 18 | 3 | 1.72E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 19 | 3 | 1.72E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 20 | 3 | 1.72E+08 | G>A | 0 | 0.303333333 | 0 | 0.3033333 |
| 21 | 3 | 1.73E+08 | A>G | 0 | 0 | 0 | 0.3333333 |
| 22 | 3 | 1.73E+08 | A>T | 0 | 0 | 0 | 0.4 |
| 23 | 3 | 1.73E+08 | G>A | 0 | 0 | 0 | 0.4166667 |
| 24 | 3 | 1.73E+08 | C>T | 0 | 0.346666667 | 0 | 0 |
| 25 | 3 | 1.73E+08 | G>A | 0 | 0 | 0 | 0 |
| 26 | 3 | 1.73E+08 | A>G | 0 | 0 | 0 | 0 |
| 27 | 3 | 1.73E+08 | T>G | 0 | 0 | 0 | 0.4866667 |
| 28 | 3 | 1.73E+08 | T>C | 0 | 0 | 0 | 0 |
| 29 | 3 | 1.73E+08 | C>T | 0 | 0 | 0 | 0.3966667 |
| 30 | 3 | 1.73E+08 | T>C | 0 | 0 | 0 | 0.3966667 |
| 31 | 3 | 1.73E+08 | G>A | 0 | 0 | 0 | 0.4566667 |
| 32 | 3 | 1.74E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 33 | 3 | 1.74E+08 | A>G | 0 | 0 | 0 | 0 |
| 34 | 3 | 1.74E+08 | G>A | 0 | 0 | 0 | 0.69 |
| 35 | 3 | 1.75E+08 | G>A | 0 | 0 | 0 | 0 |
| 36 | 3 | 1.75E+08 | T>C | 0 | 0.435 | 0 | 0 |
| 37 | 3 | 1.75E+08 | G>A | 0 | 0 | 0 | 0.6666667 |
| 38 | 3 | 1.75E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 3 | 1.75E+08 | C>G | 0 | 0 | 0.445 | 0 |
| 40 | 3 | 1.75E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 3 | 1.75E+08 | A>G | 0 | 0 | 0 | 0.3166667 |
| 42 | 3 | 1.76E+08 | G>C | 0 | 0 | 0 | 0 |
| 43 | 3 | 1.77E+08 | A>G | 0 | 0.391666667 | 0 | 0 |
| 44 | 3 | 1.77E+08 | A>G | 0 | 0.403333333 | 0 | 0 |
| 45 | 3 | 1.77E+08 | G>C | 0 | 0.455 | 0 | 0 |
| 46 | 3 | 1.77E+08 | G>C | 0 | 0.333333333 | 0 | 0 |
| 47 | 3 | 1.77E+08 | A>G | 0 | 0 | 0 | 0 |
| 48 | 3 | 1.78E+08 | C>T | 0 | 0 | 0 | 0 |
| 49 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 50 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 51 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 52 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 53 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 54 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 55 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 56 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 57 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0 |
| 58 | 3 | 1.78E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
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| 1 | | | | | | | |
| 2 | 3 | 1.78E+08 | T>C | 0 | 0.323333333 | 0 | 0 |
| 3 | 3 | 1.79E+08 | T>C | 0 | 0.606666667 | 0 | 0 |
| 4 | 3 | 1.79E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 5 | 3 | 1.79E+08 | G>A | 0 | 0 | 0 | 0.30333333 |
| 6 | 3 | 1.79E+08 | A>G | 0 | 0 | 0 | 0.69 |
| 7 | 3 | 1.79E+08 | C>A | 0 | 0.53 | 0 | 0 |
| 8 | 3 | 1.79E+08 | T>C | 0 | 0 | 0 | 0.4266667 |
| 9 | 3 | 1.79E+08 | A>G | 0 | 0 | 0 | 1 |
| 10 | 3 | 1.79E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 11 | 3 | 1.79E+08 | G>C | 0 | 0 | 0 | 0 |
| 12 | 3 | 1.79E+08 | A>G | 0 | 0 | 0 | 0 |
| 13 | 3 | 1.79E+08 | G>A | 0 | 0.303333333 | 0 | 0.72333333 |
| 14 | 3 | 1.79E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 15 | 3 | 1.8E+08 | A>G | 0 | 0.308333333 | 0 | 0 |
| 16 | 3 | 1.8E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 17 | 3 | 1.8E+08 | A>G | 0 | 0.513333333 | 0 | 0 |
| 18 | 3 | 1.8E+08 | T>A | 0 | 0.351666667 | 0 | 0.35 |
| 19 | 3 | 1.8E+08 | T>C | 0 | 0.435 | 0 | 0.70333333 |
| 20 | 3 | 1.8E+08 | G>T | 0 | 0.351666667 | 0 | 0.35 |
| 21 | 3 | 1.8E+08 | T>A | 0 | 0.32 | 0 | 0 |
| 22 | 3 | 1.83E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 23 | 3 | 1.83E+08 | T>C | 0 | 0.333333333 | 0 | 0.7566667 |
| 24 | 3 | 1.83E+08 | A>G | 0 | 0 | 0.441666667 | 0.39333333 |
| 25 | 3 | 1.83E+08 | T>C | 0 | 0.323333333 | 0 | 0.31333333 |
| 26 | 3 | 1.83E+08 | T>C | 0 | 0 | 0 | 0 |
| 27 | 3 | 1.83E+08 | A>C | 0 | 0 | 0 | 0 |
| 28 | 3 | 1.83E+08 | G>A | 0 | 0.315 | 0 | 0 |
| 29 | 3 | 1.83E+08 | T>C | 0 | 0.403333333 | 0 | 0 |
| 30 | 3 | 1.83E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 31 | 3 | 1.83E+08 | A>T | 0 | 0 | 0 | 0 |
| 32 | 3 | 1.83E+08 | C>T | 0 | 0 | 0 | 0 |
| 33 | 3 | 1.83E+08 | C>T | 0 | 0 | 0 | 0 |
| 34 | 3 | 1.83E+08 | C>T | 0 | 0 | 0 | 0.43 |
| 35 | 3 | 1.83E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 36 | 3 | 1.83E+08 | T>A | 0 | 0 | 0 | 0 |
| 37 | 3 | 1.83E+08 | G>C | 0 | 0 | 0 | 0.6066667 |
| 38 | 3 | 1.83E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 39 | 3 | 1.83E+08 | A>G | 0 | 0 | 0 | 0.6166667 |
| 40 | 3 | 1.83E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 3 | 1.84E+08 | A>G | 0 | 0 | 0 | 0.40333333 |
| 42 | 3 | 1.84E+08 | A>G | 0 | 0 | 0 | 0.39333333 |
| 43 | 3 | 1.84E+08 | C>T | 0 | 0 | 0 | 0 |
| 44 | 3 | 1.84E+08 | G>C | 0 | 0 | 0 | 0 |
| 45 | 3 | 1.84E+08 | C>G | 0 | 0.391666667 | 0 | 0 |
| 46 | 3 | 1.84E+08 | G>A | 0 | 0.36 | 0 | 0 |
| 47 | 3 | 1.84E+08 | G>A | 0 | 0 | 0 | 0 |
| 48 | 3 | 1.84E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 3 | 1.84E+08 | A>G | 0 | 0 | 0 | 0 |
| 50 | 3 | 1.84E+08 | T>G | 0 | 0 | 0 | 0.63 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 3 | 1.84E+08 | G>C | 0 | 0.555 | 0 | 0.3633333 |
| 3 | 3 | 1.85E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 4 | 3 | 1.85E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 3 | 1.85E+08 | A>G | 0 | 0.308333333 | 0 | 0 |
| 6 | 3 | 1.85E+08 | G>C | 0 | 0.445 | 0.323333333 | 0 |
| 7 | 3 | 1.85E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 8 | 3 | 1.85E+08 | C>T | 0 | 0 | 0.37 | 0 |
| 9 | 3 | 1.85E+08 | T>C | 0 | 0.378333333 | 0 | 0.4166667 |
| 10 | 3 | 1.85E+08 | C>T | 0 | 0 | 0 | 0 |
| 11 | 3 | 1.85E+08 | A>G | 0 | 0 | 0 | 0 |
| 12 | 3 | 1.85E+08 | C>T | 0 | 0 | 0 | 0 |
| 13 | 3 | 1.85E+08 | A>G | 0 | 0 | 0.3 | 0.3033333 |
| 14 | 3 | 1.85E+08 | C>T | 0 | 0 | 0 | 0.6266667 |
| 15 | 3 | 1.85E+08 | C>T | 0 | 0 | 0 | 0.6266667 |
| 16 | 3 | 1.86E+08 | G>A | 0 | 0.476666667 | 0 | 0 |
| 17 | 3 | 1.86E+08 | A>T | 0 | 0.333333333 | 0 | 0 |
| 18 | 3 | 1.86E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 19 | 3 | 1.86E+08 | A>G | 0 | 0 | 0 | 0 |
| 20 | 3 | 1.86E+08 | A>T | 0 | 0.303333333 | 0 | 0 |
| 21 | 3 | 1.86E+08 | G>A | 0 | 0.513333333 | 0 | 0 |
| 22 | 3 | 1.86E+08 | G>C | 0 | 0 | 0 | 0.5366667 |
| 23 | 3 | 1.86E+08 | A>G | 0 | 0.313333333 | 0 | 0 |
| 24 | 3 | 1.86E+08 | A>G | 0 | 0.403333333 | 0 | 0.38 |
| 25 | 3 | 1.87E+08 | T>G | 0 | 0 | 0 | 0 |
| 26 | 3 | 1.87E+08 | G>T | 0 | 0.333333333 | 0 | 0 |
| 27 | 3 | 1.87E+08 | G>A | 0 | 0 | 0.351666667 | 0 |
| 28 | 3 | 1.87E+08 | G>A | 0 | 0 | 0 | 0 |
| 29 | 3 | 1.87E+08 | A>G | 0 | 0.513333333 | 0 | 0 |
| 30 | 3 | 1.87E+08 | G>C | 0 | 0 | 0 | 0.3566667 |
| 31 | 3 | 1.87E+08 | C>T | 0 | 0.666666667 | 0 | 0.3333333 |
| 32 | 3 | 1.87E+08 | C>T | 0 | 0.385 | 0 | 0.6666667 |
| 33 | 3 | 1.87E+08 | G>A | 0 | 0 | 0 | 0 |
| 34 | 3 | 1.88E+08 | T>G | 0 | 0 | 0 | 0 |
| 35 | 3 | 1.88E+08 | T>C | 0 | 0 | 0.303333333 | 0.37 |
| 36 | 3 | 1.88E+08 | G>A | 0 | 0.49 | 0 | 0 |
| 37 | 3 | 1.88E+08 | A>G | 0 | 0 | 0 | 0.3333333 |
| 38 | 3 | 1.88E+08 | T>G | 0 | 0 | 0 | 0 |
| 39 | 3 | 1.88E+08 | T>C | 0 | 0 | 0 | 0.5866667 |
| 40 | 3 | 1.88E+08 | G>A | 0 | 0 | 0 | 0.3333333 |
| 41 | 3 | 1.88E+08 | G>C | 0 | 0 | 0 | 0.5366667 |
| 42 | 3 | 1.88E+08 | T>G | 0 | 0.438333333 | 0 | 0 |
| 43 | 3 | 1.88E+08 | G>A | 0 | 0.323333333 | 0 | 0 |
| 44 | 3 | 1.88E+08 | G>A | 0 | 0 | 0 | 0 |
| 45 | 3 | 1.88E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 46 | 3 | 1.89E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 47 | 3 | 1.89E+08 | A>C | 0 | 0.333333333 | 0 | 0 |
| 48 | 3 | 1.89E+08 | G>A | 0 | 0 | 0 | 0.44 |
| 49 | 3 | 1.89E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 50 | 3 | 1.9E+08 | T>C | 0 | 0 | 0 | 0 |
| 51 | 3 | 1.9E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 3 | 1.9E+08 | A>C | 0 | 0 | 0 | 0.6466667 |
| 3 | 3 | 1.9E+08 | G>A | 0 | 0 | 0 | 0.6833333 |
| 4 | 3 | 1.91E+08 | A>G | 0 | 0 | 0.361666667 | 0 |
| 5 | 3 | 1.91E+08 | A>C | 0 | 0.333333333 | 0 | 0.4333333 |
| 6 | 3 | 1.92E+08 | G>A | 0 | 0 | 0 | 0 |
| 7 | 3 | 1.92E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 8 | 3 | 1.93E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 9 | 3 | 1.93E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 10 | 3 | 1.93E+08 | G>T | 0 | 0 | 0.463333333 | 0.5966667 |
| 11 | 3 | 1.93E+08 | T>C | 0 | 0 | 0 | 0.52 |
| 12 | 3 | 1.94E+08 | G>A | 0 | 0 | 0 | 0 |
| 13 | 3 | 1.94E+08 | C>T | 0 | 0.526666667 | 0 | 0 |
| 14 | 3 | 1.95E+08 | G>A | 0 | 0 | 0 | 0 |
| 15 | 3 | 1.95E+08 | G>T | 0 | 0 | 0 | 0 |
| 16 | 3 | 1.95E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 17 | 3 | 1.95E+08 | T>C | 0 | 0 | 0 | 0 |
| 18 | 3 | 1.96E+08 | T>C | 0 | 0.438333333 | 0 | 0 |
| 19 | 3 | 1.96E+08 | T>C | 0 | 0.438333333 | 0 | 0 |
| 20 | 3 | 1.96E+08 | A>G | 0 | 0 | 0 | 0.35 |
| 21 | 3 | 1.96E+08 | C>T | 0 | 0 | 0 | 0 |
| 22 | 3 | 1.96E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 23 | 3 | 1.96E+08 | G>A | 0 | 0.303333333 | 0 | 0.8 |
| 24 | 3 | 1.96E+08 | T>C | 0 | 0.5 | 0 | 0 |
| 25 | 3 | 1.96E+08 | C>T | 0 | 0 | 0 | 0.4766667 |
| 26 | 3 | 1.96E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 27 | 3 | 1.96E+08 | G>C | 0 | 0.4 | 0 | 0 |
| 28 | 3 | 1.97E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 29 | 3 | 1.97E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 30 | 3 | 1.97E+08 | C>T | 0 | 0 | 0 | 0 |
| 31 | 3 | 1.97E+08 | A>G | 0 | 0 | 0 | 0 |
| 32 | 3 | 1.97E+08 | T>C | 0 | 0.588333333 | 0 | 0 |
| 33 | 3 | 1.97E+08 | A>C | 0 | 0 | 0 | 0.6666667 |
| 34 | 3 | 1.97E+08 | T>C | 0 | 0.881666667 | 0 | 0 |
| 35 | 3 | 1.97E+08 | G>C | 0 | 0.416666667 | 0 | 0 |
| 36 | 3 | 1.98E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 37 | 3 | 1.98E+08 | C>A | 0 | 0 | 0 | 0 |
| 38 | 3 | 1.98E+08 | G>T | 0 | 0 | 0 | 0 |
| 39 | 3 | 1.98E+08 | C>G | 0 | 0.353333333 | 0 | 0 |
| 40 | 3 | 1.98E+08 | A>G | 0 | 0.323333333 | 0 | 0.74 |
| 41 | 3 | 1.98E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 42 | 3 | 1.98E+08 | G>T | 0 | 0.6 | 0 | 0 |
| 43 | 4 | 295006 | G>A | 0 | 0.385 | 0 | 0 |
| 44 | 4 | 295345 | G>A | 0 | 0 | 0 | 0.35 |
| 45 | 4 | 341360 | T>C | 0 | 0.323333333 | 0 | 0 |
| 46 | 4 | 342289 | A>G | 0 | 0 | 0 | 0 |
| 47 | 4 | 360370 | C>T | 0 | 0.391666667 | 0 | 0 |
| 48 | 4 | 449095 | A>G | 0 | 0 | 0 | 0 |
| 49 | 4 | 496535 | G>A | 0 | 0.666666667 | 0 | 0 |
| 50 | 4 | 636841 | A>G | 0 | 0.396666667 | 0 | 0.3433333 |
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| 1 | | | | | | | |
| 2 | 4 | 711214 | A>G | 0 | 0.715 | 0 | 0 |
| 3 | 4 | 806146 | G>T | 0 | 0 | 0 | 0.5966667 |
| 4 | 4 | 892508 | A>G | 0 | 0 | 0 | 0 |
| 5 | 4 | 892544 | A>G | 0 | 0 | 0 | 0 |
| 6 | 4 | 947997 | G>A | 0 | 0.316666667 | 0 | 0 |
| 7 | 4 | 950451 | T>C | 0 | 0.37 | 0 | 0 |
| 8 | 4 | 1070948 | G>A | 0 | 0.37 | 0 | 0 |
| 9 | 4 | 1077977 | A>G | 0 | 0.333333333 | 0 | 0 |
| 10 | 4 | 1333077 | C>A | 0 | 0 | 0 | 0 |
| 11 | 4 | 1680298 | T>C | 0 | 0.37 | 0 | 0.5133333 |
| 12 | 4 | 1740851 | C>T | 0 | 0 | 0 | 0 |
| 13 | 4 | 1833765 | T>C | 0 | 0.513333333 | 0 | 0 |
| 14 | 4 | 1968153 | A>G | 0 | 0.391666667 | 0 | 0 |
| 15 | 4 | 2004209 | C>T | 0 | 0 | 0 | 0.3866667 |
| 16 | 4 | 2319580 | A>G | 0 | 0 | 0 | 0 |
| 17 | 4 | 2328805 | T>C | 0 | 0.361666667 | 0 | 0 |
| 18 | 4 | 2397186 | A>G | 0 | 0 | 0 | 0 |
| 19 | 4 | 2454027 | G>A | 0 | 0 | 0 | 0 |
| 20 | 4 | 2918782 | C>T | 0 | 0.833333333 | 0 | 0 |
| 21 | 4 | 2923114 | C>T | 0 | 0.303333333 | 0 | 0 |
| 22 | 4 | 2953573 | A>G | 0 | 0.526666667 | 0 | 0.7066667 |
| 23 | 4 | 3027399 | T>G | 0 | 0 | 0 | 0.6066667 |
| 24 | 4 | 3144980 | G>A | 0 | 0.351666667 | 0 | 0 |
| 25 | 4 | 3163453 | C>A | 0 | 0.316666667 | 0 | 0 |
| 26 | 4 | 3164284 | A>G | 0 | 0 | 0 | 0.4766667 |
| 27 | 4 | 3170967 | A>G | 0 | 0.313333333 | 0 | 0 |
| 28 | 4 | 3242410 | A>G | 0 | 0 | 0 | 0 |
| 29 | 4 | 4363010 | T>C | 0 | 0 | 0 | 0.4766667 |
| 30 | 4 | 5177182 | C>T | 0 | 0.416666667 | 0 | 0 |
| 31 | 4 | 5197350 | A>G | 0 | 0.796666667 | 0 | 0 |
| 32 | 4 | 5243410 | A>G | 0 | 0 | 0 | 0.3333333 |
| 33 | 4 | 5246320 | C>T | 0 | 0 | 0 | 0 |
| 34 | 4 | 5247813 | A>G | 0 | 0.5 | 0 | 0 |
| 35 | 4 | 5295584 | T>C | 0 | 0.385 | 0 | 0 |
| 36 | 4 | 5334722 | G>C | 0 | 0 | 0 | 0 |
| 37 | 4 | 5336166 | A>T | 0 | 0 | 0 | 0.7833333 |
| 38 | 4 | 5483322 | G>C | 0 | 0.391666667 | 0 | 0 |
| 39 | 4 | 5485412 | A>G | 0 | 0.833333333 | 0 | 0 |
| 40 | 4 | 5597666 | A>C | 0 | 0 | 0 | 0 |
| 41 | 4 | 5715203 | G>A | 0 | 0.476666667 | 0 | 0 |
| 42 | 4 | 5976672 | C>G | 0 | 0.505 | 0 | 0 |
| 43 | 4 | 6036482 | C>T | 0 | 0 | 0 | 0 |
| 44 | 4 | 6134118 | T>C | 0 | 0.346666667 | 0 | 0 |
| 45 | 4 | 6302855 | C>A | 0 | 0 | 0 | 0 |
| 46 | 4 | 6353012 | A>C | 0 | 0 | 0 | 0.4766667 |
| 47 | 4 | 6609200 | G>A | 0 | 0 | 0 | 0 |
| 48 | 4 | 6786943 | C>T | 0 | 0.32 | 0 | 0 |
| 49 | 4 | 6933824 | C>T | 0 | 0.4 | 0 | 0 |
| 50 | 4 | 7030427 | T>C | 0 | 0.323333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 4 | 7530451 | T>C | 0 | 0 | 0 | 0 |
| 3 | 4 | 7774543 | A>T | 0 | 0 | 0 | 0 |
| 4 | 4 | 7908472 | G>A | 0 | 0 | 0 | 0.5566667 |
| 5 | 4 | 7980725 | A>G | 0 | 0 | 0 | 0 |
| 6 | 4 | 8006928 | C>T | 0 | 0 | 0 | 0 |
| 7 | 4 | 8042126 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 8 | 4 | 8059083 | A>G | 0 | 0 | 0 | 0.49 |
| 9 | 4 | 8223408 | C>T | 0 | 0.385 | 0 | 0 |
| 10 | 4 | 8282458 | G>A | 0 | 0 | 0 | 0 |
| 11 | 4 | 8454219 | C>T | 0 | 0.37 | 0 | 0 |
| 12 | 4 | 8463968 | G>A | 0 | 0 | 0 | 0.34333333 |
| 13 | 4 | 9847306 | G>A | 0 | 0.4 | 0 | 0 |
| 14 | 4 | 10680335 | T>A | 0 | 0 | 0 | 0.74 |
| 15 | 4 | 11405909 | A>G | 0 | 0 | 0 | 0.6166667 |
| 16 | 4 | 13392664 | A>C | 0 | 0 | 0 | 0.5566667 |
| 17 | 4 | 13397907 | G>T | 0 | 0 | 0 | 0 |
| 18 | 4 | 15482931 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 19 | 4 | 15526018 | G>T | 0 | 0 | 0.3883333333 | 0 |
| 20 | 4 | 15572259 | T>C | 0 | 0.316666667 | 0 | 0 |
| 21 | 4 | 15633103 | A>G | 0 | 0 | 0 | 0 |
| 22 | 4 | 15643486 | C>T | 0 | 0.32 | 0 | 0 |
| 23 | 4 | 16178147 | T>C | 0 | 0 | 0 | 0.34333333 |
| 24 | 4 | 16187211 | T>C | 0 | 0.376666667 | 0 | 0 |
| 25 | 4 | 16517710 | A>G | 0 | 0 | 0 | 0.46 |
| 26 | 4 | 16560176 | C>G | 0 | 0 | 0 | 0.4 |
| 27 | 4 | 16610806 | A>G | 0 | 0 | 0 | 0 |
| 28 | 4 | 16633491 | T>C | 0 | 0.356666667 | 0 | 0.77 |
| 29 | 4 | 16635491 | A>C | 0 | 0.5 | 0 | 0.5966667 |
| 30 | 4 | 16758893 | G>A | 0 | 0 | 0 | 0 |
| 31 | 4 | 16788990 | T>C | 0 | 0 | 0 | 0.70333333 |
| 32 | 4 | 17501696 | T>A | 0 | 0.476666667 | 0 | 0 |
| 33 | 4 | 17624773 | T>C | 0 | 0.4033333333 | 0 | 0 |
| 34 | 4 | 17647106 | C>T | 0 | 0 | 0 | 0.71333333 |
| 35 | 4 | 17732994 | G>A | 0 | 0.385 | 0 | 0.34333333 |
| 36 | 4 | 17735469 | T>A | 0 | 0 | 0 | 0 |
| 37 | 4 | 17752781 | T>A | 0 | 0 | 0 | 0.4766667 |
| 38 | 4 | 17776910 | T>G | 0 | 0 | 0 | 0.5 |
| 39 | 4 | 17925146 | T>G | 0 | 0 | 0 | 0.40333333 |
| 40 | 4 | 17927883 | G>A | 0 | 0 | 0 | 0 |
| 41 | 4 | 17939858 | A>G | 0 | 0.3083333333 | 0 | 0 |
| 42 | 4 | 17984094 | G>A | 0 | 0.606666667 | 0 | 0 |
| 43 | 4 | 20342378 | T>C | 0 | 0 | 0 | 0.3566667 |
| 44 | 4 | 20342380 | G>C | 0 | 0 | 0 | 0.3566667 |
| 45 | 4 | 20536761 | C>A | 0 | 0 | 0 | 0 |
| 46 | 4 | 20715601 | A>T | 0 | 0.345 | 0 | 0 |
| 47 | 4 | 20720141 | C>T | 0 | 0 | 0 | 0 |
| 48 | 4 | 20723115 | A>T | 0 | 0 | 0 | 0 |
| 49 | 4 | 20784850 | A>T | 0 | 0.3333333333 | 0 | 0 |
| 50 | 4 | 20969786 | G>A | 0 | 0 | 0 | 0.37 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 4 | 21002222 | G>C | 0 | 0 | 0 | 0 |
| 3 | 4 | 21038297 | C>T | 0 | 0.346666667 | 0 | 0 |
| 4 | 4 | 21073385 | G>A | 0 | 0 | 0 | 0.40333333 |
| 5 | 4 | 21074241 | C>T | 0 | 0 | 0 | 0 |
| 6 | 4 | 21076511 | G>A | 0 | 0 | 0 | 0 |
| 7 | 4 | 21173934 | C>T | 0 | 0 | 0 | 0 |
| 8 | 4 | 21173935 | A>G | 0 | 0 | 0 | 0 |
| 9 | 4 | 21239359 | T>C | 0 | 0.445 | 0 | 0 |
| 10 | 4 | 21357249 | T>C | 0 | 0 | 0 | 0 |
| 11 | 4 | 21357830 | A>C | 0 | 0.588333333 | 0 | 0 |
| 12 | 4 | 21359155 | A>G | 0 | 0 | 0 | 0 |
| 13 | 4 | 21359168 | A>G | 0 | 0 | 0 | 0 |
| 14 | 4 | 21466957 | A>G | 0 | 0 | 0 | 0 |
| 15 | 4 | 21507675 | G>A | 0 | 0 | 0 | 0 |
| 16 | 4 | 21649775 | T>C | 0 | 0.426666667 | 0 | 0.57333333 |
| 17 | 4 | 21683720 | A>G | 0 | 0.351666667 | 0 | 0.5 |
| 18 | 4 | 21772604 | A>C | 0 | 0.333333333 | 0 | 0 |
| 19 | 4 | 25131259 | C>T | 0 | 0 | 0 | 0 |
| 20 | 4 | 25771514 | G>C | 0 | 0 | 0 | 0 |
| 21 | 4 | 26336929 | G>A | 0 | 0 | 0 | 0 |
| 22 | 4 | 26341143 | T>C | 0 | 0 | 0 | 0 |
| 23 | 4 | 26646745 | C>A | 0 | 0 | 0 | 0.5266667 |
| 24 | 4 | 26659315 | C>G | 0 | 0 | 0.441666667 | 0 |
| 25 | 4 | 30747504 | T>C | 0 | 0 | 0 | 0.77 |
| 26 | 4 | 30770906 | C>A | 0 | 0 | 0 | 0 |
| 27 | 4 | 30774582 | A>G | 0 | 0 | 0.323333333 | 0 |
| 28 | 4 | 30909296 | C>T | 0 | 0.378333333 | 0 | 0.46 |
| 29 | 4 | 31107423 | A>T | 0 | 0 | 0 | 0 |
| 30 | 4 | 31131372 | G>A | 0 | 0 | 0 | 0 |
| 31 | 4 | 37350669 | A>G | 0 | 0 | 0 | 0 |
| 32 | 4 | 37379151 | T>C | 0 | 0 | 0 | 0.39333333 |
| 33 | 4 | 37411246 | A>G | 0 | 0.333333333 | 0 | 0 |
| 34 | 4 | 37411565 | C>G | 0 | 0.316666667 | 0 | 0 |
| 35 | 4 | 37412960 | G>A | 0 | 0 | 0.416666667 | 0 |
| 36 | 4 | 37415229 | A>C | 0 | 0.695 | 0 | 0.33333333 |
| 37 | 4 | 37415349 | T>C | 0 | 0 | 0.463333333 | 0 |
| 38 | 4 | 37415350 | T>C | 0 | 0 | 0.463333333 | 0 |
| 39 | 4 | 37415429 | C>T | 0 | 0 | 0 | 0.39333333 |
| 40 | 4 | 37663109 | C>T | 0 | 0.416666667 | 0 | 0 |
| 41 | 4 | 37851667 | A>C | 0 | 0.435 | 0 | 0 |
| 42 | 4 | 37897122 | G>C | 0 | 0.333333333 | 0 | 0.4066667 |
| 43 | 4 | 37914957 | G>T | 0 | 0.455 | 0 | 0 |
| 44 | 4 | 37986235 | T>C | 0 | 0 | 0.346666667 | 0 |
| 45 | 4 | 38105529 | T>C | 0 | 0.333333333 | 0 | 0 |
| 46 | 4 | 38652445 | T>C | 0 | 0.346666667 | 0 | 0 |
| 47 | 4 | 38779340 | T>C | 0 | 0 | 0 | 0 |
| 48 | 4 | 38826555 | C>T | 0 | 0 | 0 | 0 |
| 49 | 4 | 38978745 | A>G | 0 | 0.725 | 0 | 0 |
| 50 | 4 | 39002308 | A>G | 0 | 0.37 | 0 | 0 |
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|----|---|----------|-----|---|-------------|---|-----------|
| 1 | | | | | | | |
| 2 | 4 | 39099499 | T>C | 0 | 0 | 0 | 0.4333333 |
| 3 | 4 | 39099500 | T>C | 0 | 0 | 0 | 0.4333333 |
| 4 | 4 | 39185138 | A>G | 0 | 0.49 | 0 | 0 |
| 5 | 4 | 39420106 | A>G | 0 | 0.4 | 0 | 0 |
| 6 | 4 | 39441625 | A>T | 0 | 0.388333333 | 0 | 0 |
| 7 | 4 | 39579143 | A>G | 0 | 0 | 0 | 0.5866667 |
| 8 | 4 | 39719405 | G>A | 0 | 0 | 0 | 0 |
| 9 | 4 | 39775358 | A>G | 0 | 0.455 | 0 | 0 |
| 10 | 4 | 39834011 | A>T | 0 | 0 | 0 | 0.4766667 |
| 11 | 4 | 39840931 | G>C | 0 | 0.555 | 0 | 0.6166667 |
| 12 | 4 | 39872064 | A>G | 0 | 0.303333333 | 0 | 0 |
| 13 | 4 | 39885067 | T>C | 0 | 0.555 | 0 | 0 |
| 14 | 4 | 39902970 | A>C | 0 | 0 | 0 | 0.7566667 |
| 15 | 4 | 39940402 | C>T | 0 | 0 | 0 | 0.3933333 |
| 16 | 4 | 39963061 | G>A | 0 | 0.595 | 0 | 0 |
| 17 | 4 | 39968811 | A>G | 0 | 0 | 0 | 0 |
| 18 | 4 | 40065358 | T>G | 0 | 0.37 | 0 | 0 |
| 19 | 4 | 40083220 | T>G | 0 | 0 | 0 | 0 |
| 20 | 4 | 40083412 | G>A | 0 | 0.448333333 | 0 | 0 |
| 21 | 4 | 40083428 | G>T | 0 | 0.416666667 | 0 | 0 |
| 22 | 4 | 40086752 | T>C | 0 | 0 | 0 | 0 |
| 23 | 4 | 40156848 | T>C | 0 | 0.526666667 | 0 | 0 |
| 24 | 4 | 40209361 | C>T | 0 | 0 | 0 | 0 |
| 25 | 4 | 40228577 | G>A | 0 | 0.333333333 | 0 | 0 |
| 26 | 4 | 40437368 | A>C | 0 | 0.333333333 | 0 | 0 |
| 27 | 4 | 40473395 | C>T | 0 | 0.555 | 0 | 0 |
| 28 | 4 | 40501698 | A>T | 0 | 0.333333333 | 0 | 0.4766667 |
| 29 | 4 | 40909611 | T>C | 0 | 0.445 | 0 | 0 |
| 30 | 4 | 41073447 | T>C | 0 | 0 | 0 | 0 |
| 31 | 4 | 41116275 | C>T | 0 | 0.513333333 | 0 | 0.4166667 |
| 32 | 4 | 41190905 | A>G | 0 | 0.555 | 0 | 0 |
| 33 | 4 | 41432548 | G>A | 0 | 0.455 | 0 | 0 |
| 34 | 4 | 41432559 | T>A | 0 | 0.455 | 0 | 0 |
| 35 | 4 | 41515808 | A>G | 0 | 0 | 0 | 0.4666667 |
| 36 | 4 | 41960918 | A>G | 0 | 0 | 0 | 0.4066667 |
| 37 | 4 | 42985633 | T>G | 0 | 0.595 | 0 | 0 |
| 38 | 4 | 44270063 | A>G | 0 | 0 | 0 | 0.4333333 |
| 39 | 4 | 44286923 | C>T | 0 | 0.416666667 | 0 | 0 |
| 40 | 4 | 44391982 | T>C | 0 | 0 | 0 | 0 |
| 41 | 4 | 46410932 | T>C | 0 | 0 | 0 | 0.5333333 |
| 42 | 4 | 46410991 | G>A | 0 | 0.351666667 | 0 | 0 |
| 43 | 4 | 46411563 | A>G | 0 | 0.416666667 | 0 | 0 |
| 44 | 4 | 46430447 | T>C | 0 | 0.4 | 0 | 0 |
| 45 | 4 | 46467626 | G>A | 0 | 0 | 0 | 0 |
| 46 | 4 | 46820432 | T>C | 0 | 0 | 0 | 0.6166667 |
| 47 | 4 | 46820467 | A>G | 0 | 0 | 0 | 0.64 |
| 48 | 4 | 46822598 | G>A | 0 | 0 | 0 | 0 |
| 49 | 4 | 47133248 | T>C | 0 | 0.416666667 | 0 | 0.5133333 |
| 50 | 4 | 47237375 | G>T | 0 | 0.365 | 0 | 0.3433333 |
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| 1 | | | | | | | |
| 2 | 4 | 47244869 | A>T | 0 | 0 | 0 | 0 |
| 3 | 4 | 47263092 | G>A | 0 | 0 | 0 | 0.3233333 |
| 4 | 4 | 47418578 | A>C | 0 | 0.555 | 0 | 0 |
| 5 | 4 | 47612803 | G>A | 0 | 0 | 0.455 | 0.74 |
| 6 | 4 | 47616491 | G>C | 0 | 0.37 | 0 | 0.4766667 |
| 7 | 4 | 47629188 | T>C | 0 | 0.416666667 | 0 | 0 |
| 8 | 4 | 47748749 | A>C | 0 | 0 | 0 | 0 |
| 9 | 4 | 47827988 | A>G | 0 | 0.438333333 | 0 | 0 |
| 10 | 4 | 47861667 | A>G | 0 | 0.4 | 0 | 0 |
| 11 | 4 | 48150968 | A>T | 0 | 0.333333333 | 0 | 0.5266667 |
| 12 | 4 | 48153654 | A>C | 0 | 0 | 0 | 0 |
| 13 | 4 | 48176458 | T>C | 0 | 0.385 | 0 | 0 |
| 14 | 4 | 48247983 | T>C | 0 | 0 | 0 | 0 |
| 15 | 4 | 48343664 | A>C | 0 | 0 | 0 | 0 |
| 16 | 4 | 48400253 | C>T | 0 | 0.715 | 0 | 0 |
| 17 | 4 | 48400958 | G>T | 0 | 0.513333333 | 0.445 | 0.3133333 |
| 18 | 4 | 48640516 | G>A | 0 | 0 | 0 | 0.54 |
| 19 | 4 | 48710064 | T>C | 0 | 0 | 0 | 0.5866667 |
| 20 | 4 | 48718180 | G>A | 0 | 0.445 | 0 | 0 |
| 21 | 4 | 48738606 | T>C | 0 | 0 | 0.341666667 | 0.37 |
| 22 | 4 | 48747334 | A>G | 0 | 0 | 0 | 0 |
| 23 | 4 | 48760184 | G>A | 0 | 0.391666667 | 0 | 0.43 |
| 24 | 4 | 48760774 | A>T | 0 | 0 | 0.303333333 | 0 |
| 25 | 4 | 48848492 | A>G | 0 | 0.361666667 | 0 | 0 |
| 26 | 4 | 48890208 | T>C | 0 | 0.486666667 | 0 | 0.5366667 |
| 27 | 4 | 49041992 | A>T | 0 | 0 | 0.37 | 0 |
| 28 | 4 | 49053858 | G>T | 0 | 0.448333333 | 0 | 0.3133333 |
| 29 | 4 | 52719917 | T>C | 0 | 0.513333333 | 0 | 0 |
| 30 | 4 | 52742396 | C>T | 0 | 0 | 0 | 0 |
| 31 | 4 | 52952955 | C>G | 0 | 0.37 | 0 | 0 |
| 32 | 4 | 52955118 | G>A | 0 | 0.345 | 0 | 0 |
| 33 | 4 | 52955776 | A>T | 0 | 0 | 0.416666667 | 0 |
| 34 | 4 | 52956082 | A>C | 0 | 0 | 0 | 0.5 |
| 35 | 4 | 53761982 | T>C | 0 | 0.32 | 0 | 0.3933333 |
| 36 | 4 | 53764120 | A>G | 0 | 0.4 | 0 | 0 |
| 37 | 4 | 53764620 | C>T | 0 | 0.416666667 | 0 | 0 |
| 38 | 4 | 53963768 | G>T | 0 | 0.333333333 | 0 | 0.6066667 |
| 39 | 4 | 54077238 | T>C | 0 | 0.316666667 | 0 | 0 |
| 40 | 4 | 54082843 | C>T | 0 | 0 | 0 | 0 |
| 41 | 4 | 54083850 | G>T | 0 | 0 | 0 | 0.5333333 |
| 42 | 4 | 54115441 | C>T | 0 | 0.445 | 0 | 0 |
| 43 | 4 | 54170560 | A>G | 0 | 0.416666667 | 0 | 0 |
| 44 | 4 | 54208544 | A>G | 0 | 0 | 0 | 0.3133333 |
| 45 | 4 | 54208558 | G>T | 0 | 0 | 0 | 0.45 |
| 46 | 4 | 54210170 | A>G | 0 | 0.455 | 0 | 0 |
| 47 | 4 | 54210810 | A>T | 0 | 0.391666667 | 0 | 0.77 |
| 48 | 4 | 54273487 | C>T | 0 | 0 | 0 | 0 |
| 49 | 4 | 54274316 | A>T | 0 | 0 | 0 | 0.36 |
| 50 | 4 | 54282872 | A>C | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 4 | 54891664 | C>T | 0 | 0.438333333 | 0 | 0 |
| 3 | 4 | 55115640 | G>T | 0 | 0.351666667 | 0 | 0.47666667 |
| 4 | 4 | 55159786 | T>C | 0 | 0 | 0 | 0.36333333 |
| 5 | 4 | 55584523 | A>G | 0 | 0.401666667 | 0.303333333 | 0 |
| 6 | 4 | 55946334 | C>T | 0 | 0 | 0 | 0 |
| 7 | 4 | 56212729 | C>T | 0 | 0.555 | 0 | 0 |
| 8 | 4 | 56212742 | C>T | 0 | 0.555 | 0 | 0 |
| 9 | 4 | 56262544 | C>T | 0 | 0 | 0 | 0 |
| 10 | 4 | 56268739 | A>C | 0 | 0.476666667 | 0 | 0 |
| 11 | 4 | 56269179 | A>G | 0 | 0.323333333 | 0 | 0.37 |
| 12 | 4 | 56439121 | T>C | 0 | 0 | 0 | 0 |
| 13 | 4 | 56463795 | G>A | 0 | 0 | 0 | 1 |
| 14 | 4 | 57222535 | G>C | 0 | 0 | 0 | 0 |
| 15 | 4 | 57321217 | A>G | 0 | 0.351666667 | 0 | 0 |
| 16 | 4 | 57365842 | T>C | 0 | 0.555 | 0 | 0 |
| 17 | 4 | 57869401 | T>G | 0 | 0 | 0 | 0 |
| 18 | 4 | 62124985 | T>C | 0 | 0 | 0 | 0.47666667 |
| 19 | 4 | 62420150 | A>G | 0 | 0.49 | 0 | 0 |
| 20 | 4 | 62479282 | T>A | 0 | 0.476666667 | 0 | 0 |
| 21 | 4 | 62608134 | C>T | 0 | 0.555 | 0 | 0 |
| 22 | 4 | 62645188 | T>C | 0 | 0 | 0 | 0 |
| 23 | 4 | 62826541 | T>C | 0 | 0 | 0 | 0 |
| 24 | 4 | 65204816 | T>C | 0 | 0 | 0 | 0.55666667 |
| 25 | 4 | 66284730 | C>T | 0 | 0 | 0 | 0.44333333 |
| 26 | 4 | 66320843 | T>C | 0 | 0 | 0 | 0.62666667 |
| 27 | 4 | 66343250 | G>C | 0 | 0.666666667 | 0 | 0.30333333 |
| 28 | 4 | 66373397 | C>G | 0 | 0 | 0 | 0 |
| 29 | 4 | 66386713 | C>T | 0 | 0 | 0 | 0.36 |
| 30 | 4 | 66407225 | G>C | 0 | 0 | 0 | 0.30333333 |
| 31 | 4 | 66473244 | C>T | 0 | 0.37 | 0 | 0 |
| 32 | 4 | 66516047 | C>T | 0 | 0.333333333 | 0 | 0 |
| 33 | 4 | 68403460 | A>G | 0 | 0 | 0 | 0 |
| 34 | 4 | 68430413 | T>C | 0 | 0 | 0 | 0.41666667 |
| 35 | 4 | 68519907 | A>C | 0 | 0.303333333 | 0 | 0 |
| 36 | 4 | 68522167 | G>A | 0 | 0 | 0 | 0.30333333 |
| 37 | 4 | 69062411 | G>A | 0 | 0 | 0 | 0.89 |
| 38 | 4 | 69097572 | G>T | 0 | 0.303333333 | 0.345 | 0 |
| 39 | 4 | 70469133 | C>G | 0 | 0 | 0 | 0 |
| 40 | 4 | 70470025 | T>C | 0 | 0.313333333 | 0 | 0 |
| 41 | 4 | 70498373 | A>C | 0 | 0 | 0 | 0.87 |
| 42 | 4 | 70708833 | T>C | 0 | 0 | 0 | 0.38333333 |
| 43 | 4 | 70862895 | A>T | 0 | 0 | 0 | 0.44333333 |
| 44 | 4 | 71298860 | A>T | 0 | 0 | 0 | 0.58 |
| 45 | 4 | 71300763 | G>A | 0 | 0 | 0 | 0 |
| 46 | 4 | 71301871 | C>T | 0 | 0.351666667 | 0 | 0 |
| 47 | 4 | 71334951 | A>T | 0 | 0 | 0 | 0 |
| 48 | 4 | 71397470 | G>C | 0 | 0.388333333 | 0 | 0.36 |
| 49 | 4 | 71690584 | T>C | 0 | 0.46 | 0 | 0 |
| 50 | 4 | 71778264 | A>G | 0 | 0.555 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 4 | 71793205 | T>C | 0 | 0.513333333 | 0 | 0 |
| 3 | 4 | 71807259 | T>C | 0 | 0 | 0 | 0.3033333 |
| 4 | 4 | 71881900 | G>A | 0 | 0.385 | 0 | 0.3166667 |
| 5 | 4 | 72096927 | T>C | 0 | 0 | 0 | 0 |
| 6 | 4 | 72096944 | G>T | 0 | 0 | 0 | 0 |
| 7 | 4 | 72101763 | G>C | 0 | 0 | 0 | 0 |
| 8 | 4 | 72156990 | T>C | 0 | 0.476666667 | 0 | 0 |
| 9 | 4 | 72157001 | C>G | 0 | 0.37 | 0 | 0 |
| 10 | 4 | 72242121 | T>C | 0 | 0.333333333 | 0 | 0.38 |
| 11 | 4 | 72285794 | A>G | 0 | 0 | 0 | 0.3133333 |
| 12 | 4 | 72301082 | A>G | 0 | 0 | 0 | 0 |
| 13 | 4 | 72987407 | G>C | 0 | 0.476666667 | 0 | 0.8766667 |
| 14 | 4 | 72988998 | A>C | 0 | 0 | 0 | 0.4933333 |
| 15 | 4 | 72989924 | T>G | 0 | 0.303333333 | 0 | 0.4 |
| 16 | 4 | 72990667 | T>C | 0 | 0 | 0 | 0 |
| 17 | 4 | 72990668 | G>A | 0 | 0 | 0 | 0 |
| 18 | 4 | 73321108 | A>G | 0 | 0 | 0 | 0.49 |
| 19 | 4 | 74074863 | T>C | 0 | 0.32 | 0 | 0 |
| 20 | 4 | 75113515 | A>G | 0 | 0.391666667 | 0 | 0 |
| 21 | 4 | 75874023 | A>G | 0 | 0.333333333 | 0 | 0 |
| 22 | 4 | 75932412 | G>A | 0 | 0 | 0 | 0 |
| 23 | 4 | 76428661 | T>C | 0 | 0 | 0 | 0.5 |
| 24 | 4 | 76488426 | C>T | 0 | 0 | 0 | 0 |
| 25 | 4 | 76552495 | T>C | 0 | 0 | 0 | 0.8 |
| 26 | 4 | 76575448 | G>A | 0 | 0 | 0 | 0 |
| 27 | 4 | 76592898 | G>C | 0 | 0.555 | 0 | 0 |
| 28 | 4 | 76651208 | C>G | 0 | 0 | 0 | 0 |
| 29 | 4 | 76804717 | G>A | 0 | 0 | 0 | 0 |
| 30 | 4 | 76838123 | A>G | 0 | 0.333333333 | 0 | 0 |
| 31 | 4 | 76846425 | A>T | 0 | 0 | 0 | 0 |
| 32 | 4 | 76883861 | C>T | 0 | 0 | 0.333333333 | 0 |
| 33 | 4 | 76904506 | T>C | 0 | 0 | 0 | 0 |
| 34 | 4 | 77126237 | A>G | 0 | 0.303333333 | 0 | 0 |
| 35 | 4 | 77258339 | T>C | 0 | 0.513333333 | 0 | 0 |
| 36 | 4 | 77280816 | A>G | 0 | 0.476666667 | 0.303333333 | 0 |
| 37 | 4 | 77402287 | T>G | 0 | 0 | 0 | 0 |
| 38 | 4 | 77404121 | C>T | 0 | 0.333333333 | 0 | 0.6266667 |
| 39 | 4 | 77505210 | A>G | 0 | 0.333333333 | 0 | 0 |
| 40 | 4 | 77540110 | A>C | 0 | 0.555 | 0 | 0 |
| 41 | 4 | 77656731 | G>A | 0 | 0.303333333 | 0 | 0 |
| 42 | 4 | 77946433 | A>T | 0 | 0.37 | 0 | 0 |
| 43 | 4 | 77948491 | A>G | 0 | 0.416666667 | 0 | 0 |
| 44 | 4 | 77969627 | G>C | 0 | 0 | 0 | 0 |
| 45 | 4 | 78436392 | C>T | 0 | 0 | 0 | 0 |
| 46 | 4 | 78437173 | T>G | 0 | 0 | 0 | 0.7033333 |
| 47 | 4 | 78440166 | A>T | 0 | 0.555 | 0 | 0 |
| 48 | 4 | 78440167 | G>C | 0 | 0.695 | 0 | 0 |
| 49 | 4 | 78444887 | T>C | 0 | 0.345 | 0 | 0 |
| 50 | 4 | 78449929 | C>T | 0 | 0.385 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 4 | 78453605 | T>C | 0 | 0.555 | 0 | 0.36 |
| 3 | 4 | 78468445 | T>C | 0 | 0.715 | 0 | 0 |
| 4 | 4 | 78732673 | A>C | 0 | 0.356666667 | 0 | 0 |
| 5 | 4 | 78733349 | T>A | 0 | 0 | 0 | 0.54 |
| 6 | 4 | 78795330 | C>T | 0 | 0.316666667 | 0 | 0 |
| 7 | 4 | 78858016 | T>C | 0 | 0.316666667 | 0 | 0.47666667 |
| 8 | 4 | 79039009 | T>A | 0 | 0 | 0 | 0 |
| 9 | 4 | 79043869 | T>C | 0 | 0 | 0 | 0 |
| 10 | 4 | 79049841 | C>T | 0 | 0.333333333 | 0 | 0 |
| 11 | 4 | 79113688 | C>T | 0 | 0 | 0 | 0 |
| 12 | 4 | 79115571 | T>C | 0 | 0.32 | 0 | 0 |
| 13 | 4 | 79305860 | C>A | 0 | 0.316666667 | 0 | 0 |
| 14 | 4 | 79413095 | G>C | 0 | 0.303333333 | 0 | 0.5 |
| 15 | 4 | 79413355 | A>G | 0 | 0.333333333 | 0 | 0 |
| 16 | 4 | 79423820 | G>A | 0 | 0 | 0 | 0.78333333 |
| 17 | 4 | 79426107 | C>G | 0 | 0 | 0 | 0 |
| 18 | 4 | 79459904 | T>C | 0 | 0 | 0 | 0.47666667 |
| 19 | 4 | 79476276 | C>T | 0 | 0.448333333 | 0 | 0 |
| 20 | 4 | 79516076 | C>T | 0 | 0.521666667 | 0 | 0 |
| 21 | 4 | 79805019 | T>C | 0 | 0 | 0 | 0.44333333 |
| 22 | 4 | 79810203 | A>G | 0 | 0 | 0 | 0 |
| 23 | 4 | 81107071 | G>A | 0 | 0 | 0 | 0 |
| 24 | 4 | 81337297 | A>T | 0 | 0.555 | 0 | 0 |
| 25 | 4 | 81560972 | A>G | 0 | 0.5 | 0 | 0 |
| 26 | 4 | 81592486 | G>C | 0 | 0.333333333 | 0 | 0 |
| 27 | 4 | 81657268 | G>T | 0 | 0 | 0.351666667 | 0 |
| 28 | 4 | 81658130 | C>T | 0 | 0 | 0 | 0.33333333 |
| 29 | 4 | 81688635 | C>T | 0 | 0 | 0 | 0 |
| 30 | 4 | 81778286 | G>T | 0 | 0 | 0 | 0 |
| 31 | 4 | 81778425 | G>C | 0 | 0.333333333 | 0 | 0.41666667 |
| 32 | 4 | 81812162 | G>A | 0 | 0 | 0.391666667 | 0 |
| 33 | 4 | 82040953 | C>T | 0 | 0 | 0 | 0 |
| 34 | 4 | 82109264 | T>C | 0 | 0 | 0 | 0 |
| 35 | 4 | 83374247 | T>G | 0 | 0.316666667 | 0 | 0 |
| 36 | 4 | 83419537 | G>A | 0 | 0 | 0 | 0 |
| 37 | 4 | 83457263 | T>C | 0 | 0 | 0 | 0 |
| 38 | 4 | 83467719 | C>T | 0 | 0 | 0 | 0.58 |
| 39 | 4 | 83580124 | T>G | 0 | 0.455 | 0 | 0.66666667 |
| 40 | 4 | 83632609 | A>G | 0 | 0.416666667 | 0 | 0 |
| 41 | 4 | 83672429 | G>A | 0 | 0.378333333 | 0 | 0 |
| 42 | 4 | 83688084 | A>G | 0 | 0.438333333 | 0 | 0 |
| 43 | 4 | 83716039 | T>C | 0 | 0 | 0 | 0.38 |
| 44 | 4 | 83716046 | A>C | 0 | 0 | 0 | 0 |
| 45 | 4 | 83753018 | A>G | 0 | 0.356666667 | 0 | 0 |
| 46 | 4 | 83866697 | T>A | 0 | 0.391666667 | 0 | 0 |
| 47 | 4 | 83987237 | G>A | 0 | 0.333333333 | 0 | 0 |
| 48 | 4 | 84333829 | C>A | 0 | 0 | 0 | 0 |
| 49 | 4 | 84464991 | G>A | 0 | 0.433333333 | 0 | 0 |
| 50 | 4 | 85821123 | G>A | 0 | 0.455 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 4 | 86423388 | T>A | 0 | 0.5 | 0 | 0 |
| 3 | 4 | 86424547 | G>T | 0 | 0 | 0 | 0 |
| 4 | 4 | 86434504 | C>T | 0 | 0.455 | 0 | 0 |
| 5 | 4 | 86578948 | G>C | 0 | 0.715 | 0 | 0 |
| 6 | 4 | 86621440 | G>T | 0 | 0.391666667 | 0 | 0 |
| 7 | 4 | 86679141 | C>T | 0 | 0 | 0.385 | 0 |
| 8 | 4 | 86702988 | G>A | 0 | 0 | 0 | 0.45333333 |
| 9 | 4 | 86742577 | G>A | 0 | 0 | 0 | 0.34333333 |
| 10 | 4 | 86821811 | A>T | 0 | 0 | 0 | 0.55666667 |
| 11 | 4 | 86837059 | A>C | 0 | 0 | 0 | 0.55666667 |
| 12 | 4 | 87033506 | A>T | 0 | 0 | 0 | 0 |
| 13 | 4 | 87091122 | T>C | 0 | 0.555 | 0 | 0 |
| 14 | 4 | 87091483 | A>G | 0 | 0.333333333 | 0 | 0 |
| 15 | 4 | 87160129 | A>G | 0 | 0.5 | 0 | 0 |
| 16 | 4 | 87226707 | T>C | 0 | 0 | 0 | 0.33333333 |
| 17 | 4 | 87540003 | G>A | 0 | 0 | 0.396666667 | 0 |
| 18 | 4 | 87560122 | C>T | 0 | 0 | 0 | 0 |
| 19 | 4 | 87560703 | T>C | 0 | 0 | 0 | 0.31666667 |
| 20 | 4 | 87575503 | T>C | 0 | 0.333333333 | 0 | 0 |
| 21 | 4 | 87584133 | T>A | 0 | 0 | 0.416666667 | 0 |
| 22 | 4 | 87646717 | A>G | 0 | 0.5 | 0 | 0.33333333 |
| 23 | 4 | 87647215 | G>T | 0 | 0 | 0 | 0 |
| 24 | 4 | 87650344 | G>A | 0 | 0 | 0 | 0.69 |
| 25 | 4 | 87716780 | A>T | 0 | 0 | 0 | 0 |
| 26 | 4 | 87807868 | G>A | 0 | 0.351666667 | 0 | 0.58666667 |
| 27 | 4 | 87845568 | A>G | 0 | 0 | 0 | 0 |
| 28 | 4 | 87901211 | T>C | 0 | 0.385 | 0 | 0 |
| 29 | 4 | 87985859 | T>C | 0 | 0 | 0 | 0.47666667 |
| 30 | 4 | 87985875 | G>A | 0 | 0 | 0 | 0.62666667 |
| 31 | 4 | 87991402 | T>C | 0 | 0.32 | 0 | 0 |
| 32 | 4 | 88139605 | T>G | 0 | 0 | 0 | 0.68666667 |
| 33 | 4 | 88298412 | A>G | 0 | 0.476666667 | 0 | 0 |
| 34 | 4 | 88371110 | G>T | 0 | 0.666666667 | 0 | 0 |
| 35 | 4 | 88399770 | G>A | 0 | 0 | 0 | 0 |
| 36 | 4 | 88405756 | T>C | 0 | 0.455 | 0 | 0 |
| 37 | 4 | 88446037 | T>G | 0 | 0 | 0 | 0 |
| 38 | 4 | 88728061 | A>G | 0 | 0 | 0 | 0 |
| 39 | 4 | 88938580 | A>G | 0 | 0 | 0.438333333 | 0 |
| 40 | 4 | 88971277 | C>T | 0 | 0 | 0 | 0 |
| 41 | 4 | 89038231 | A>G | 0 | 0 | 0.356666667 | 0 |
| 42 | 4 | 89046512 | G>A | 0 | 0.333333333 | 0 | 0 |
| 43 | 4 | 89072628 | T>C | 0 | 0.353333333 | 0 | 0.32666667 |
| 44 | 4 | 89324659 | G>C | 0 | 0.476666667 | 0 | 0.46 |
| 45 | 4 | 89527812 | C>T | 0 | 0.385 | 0 | 0 |
| 46 | 4 | 89557014 | C>G | 0 | 0.463333333 | 0 | 0 |
| 47 | 4 | 89746637 | A>G | 0 | 0 | 0 | 0.41666667 |
| 48 | 4 | 89757921 | A>G | 0 | 0.353333333 | 0 | 0 |
| 49 | 4 | 89793321 | A>G | 0 | 0 | 0 | 0.41666667 |
| 50 | 4 | 89797033 | A>G | 0 | 0.388333333 | 0 | 0.39666667 |
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| 1 | | | | | | | |
| 2 | 4 | 90175815 | C>T | 0 | 0 | 0 | 0 |
| 3 | 4 | 90677209 | C>A | 0 | 0 | 0 | 0 |
| 4 | 4 | 90868325 | T>C | 0 | 0.606666667 | 0 | 0 |
| 5 | 4 | 91074988 | A>G | 0 | 0 | 0 | 0.4166667 |
| 6 | 4 | 91078612 | A>C | 0 | 0 | 0 | 0.37 |
| 7 | 4 | 91078624 | T>C | 0 | 0 | 0 | 0 |
| 8 | 4 | 91222000 | A>G | 0 | 0 | 0 | 0 |
| 9 | 4 | 91222002 | G>A | 0 | 0.416666667 | 0 | 0 |
| 10 | 4 | 91225576 | T>A | 0 | 0 | 0 | 0 |
| 11 | 4 | 91330964 | G>C | 0 | 0 | 0 | 0 |
| 12 | 4 | 91332102 | T>C | 0 | 0 | 0 | 1 |
| 13 | 4 | 91405165 | T>C | 0 | 0 | 0 | 0 |
| 14 | 4 | 91412575 | G>A | 0 | 0 | 0 | 0.4 |
| 15 | 4 | 91511529 | A>G | 0 | 0.455 | 0 | 0 |
| 16 | 4 | 91624442 | C>G | 0 | 0 | 0 | 0 |
| 17 | 4 | 91624696 | G>A | 0 | 0.308333333 | 0 | 0 |
| 18 | 4 | 91631752 | A>G | 0 | 0 | 0 | 0 |
| 19 | 4 | 91724992 | T>G | 0 | 0 | 0 | 0.49 |
| 20 | 4 | 91834351 | A>G | 0 | 0.351666667 | 0 | 0 |
| 21 | 4 | 91836314 | C>T | 0 | 0 | 0 | 0 |
| 22 | 4 | 91836315 | G>A | 0 | 0 | 0 | 0 |
| 23 | 4 | 91838088 | T>G | 0 | 0 | 0 | 0 |
| 24 | 4 | 92000653 | G>A | 0 | 0 | 0 | 0 |
| 25 | 4 | 92037370 | C>T | 0 | 0 | 0 | 0.5566667 |
| 26 | 4 | 92055951 | G>A | 0 | 0.32 | 0 | 0 |
| 27 | 4 | 92070061 | A>G | 0 | 0 | 0 | 0.3333333 |
| 28 | 4 | 92072972 | C>G | 0 | 0.313333333 | 0 | 0 |
| 29 | 4 | 92085582 | G>T | 0 | 0 | 0 | 0.74 |
| 30 | 4 | 92331026 | T>G | 0 | 0.438333333 | 0 | 0 |
| 31 | 4 | 92386012 | G>C | 0 | 0.313333333 | 0 | 0 |
| 32 | 4 | 92386615 | T>C | 0 | 0.303333333 | 0 | 0.4766667 |
| 33 | 4 | 92386914 | C>T | 0 | 0.333333333 | 0 | 0 |
| 34 | 4 | 92401456 | A>G | 0 | 0 | 0 | 0 |
| 35 | 4 | 92443258 | C>A | 0 | 0.303333333 | 0 | 0.4333333 |
| 36 | 4 | 92464641 | T>A | 0 | 0 | 0 | 0 |
| 37 | 4 | 93510163 | C>A | 0 | 0.588333333 | 0 | 0 |
| 38 | 4 | 93811197 | T>G | 0 | 0.555 | 0 | 0 |
| 39 | 4 | 93861502 | A>G | 0 | 0 | 0 | 0 |
| 40 | 4 | 93862909 | C>G | 0 | 0.583333333 | 0 | 0 |
| 41 | 4 | 94041895 | T>G | 0 | 0 | 0 | 0.4333333 |
| 42 | 4 | 94105850 | C>T | 0 | 0 | 0 | 0 |
| 43 | 4 | 94231574 | T>C | 0 | 0 | 0 | 0 |
| 44 | 4 | 94243510 | T>C | 0 | 0.5 | 0 | 0.3433333 |
| 45 | 4 | 94244968 | A>T | 0 | 0 | 0 | 0 |
| 46 | 4 | 94245241 | C>T | 0 | 1 | 0 | 0 |
| 47 | 4 | 94332863 | A>G | 0 | 0 | 0 | 0.4433333 |
| 48 | 4 | 94473758 | T>G | 0 | 0.303333333 | 0 | 0.3033333 |
| 49 | 4 | 94480930 | A>C | 0 | 0.37 | 0 | 0 |
| 50 | 4 | 94553159 | A>T | 0 | 0 | 0.32 | 0.7833333 |
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| 1 | | | | | | | |
| 2 | 4 | 95197207 | A>C | 0 | 0 | 0 | 1 |
| 3 | 4 | 95200542 | T>C | 0 | 0 | 0 | 0 |
| 4 | 4 | 95233825 | C>G | 0 | 0 | 0.37 | 0 |
| 5 | 4 | 95244545 | C>T | 0 | 0.385 | 0 | 0.33333333 |
| 6 | 4 | 95523811 | G>T | 0 | 0.416666667 | 0 | 0 |
| 7 | 4 | 95720745 | G>A | 0 | 0.37 | 0 | 0 |
| 8 | 4 | 95874822 | A>C | 0 | 0 | 0 | 0 |
| 9 | 4 | 95877023 | G>A | 0 | 0.345 | 0 | 0 |
| 10 | 4 | 96049312 | C>T | 0 | 0 | 0 | 0 |
| 11 | 4 | 96095759 | T>C | 0 | 0.438333333 | 0 | 0 |
| 12 | 4 | 96402728 | A>G | 0 | 0 | 0 | 0 |
| 13 | 4 | 98592174 | T>A | 0 | 0 | 0 | 0 |
| 14 | 4 | 98596184 | T>C | 0 | 0.555 | 0 | 0 |
| 15 | 4 | 98723810 | T>C | 0 | 0.435 | 0 | 0 |
| 16 | 4 | 98751884 | T>C | 0 | 0.396666667 | 1 | 1 |
| 17 | 4 | 98754645 | G>A | 0 | 0 | 0 | 0.41666667 |
| 18 | 4 | 98754931 | T>C | 0 | 0.438333333 | 0 | 0 |
| 19 | 4 | 98888712 | C>T | 0 | 0.445 | 0 | 0 |
| 20 | 4 | 98891184 | C>A | 0 | 0 | 0 | 0.55666667 |
| 21 | 4 | 98892395 | C>T | 0 | 0 | 0.333333333 | 0 |
| 22 | 4 | 98956811 | G>A | 0 | 0.303333333 | 0.535 | 1 |
| 23 | 4 | 99044965 | A>G | 0 | 0.351666667 | 0 | 0 |
| 24 | 4 | 99196104 | A>T | 0 | 0.455 | 0 | 0 |
| 25 | 4 | 99269826 | T>G | 0 | 0 | 0 | 0.38 |
| 26 | 4 | 99452804 | G>A | 0 | 0.32 | 0 | 0 |
| 27 | 4 | 99456600 | A>C | 0 | 0 | 0 | 0.59666667 |
| 28 | 4 | 99576106 | C>T | 0 | 0 | 0 | 0.49333333 |
| 29 | 4 | 99819485 | T>C | 0 | 0.476666667 | 0 | 0 |
| 30 | 4 | 99832478 | T>C | 0 | 0.356666667 | 0 | 0 |
| 31 | 4 | 99837167 | A>C | 0 | 0 | 0 | 0 |
| 32 | 4 | 99837169 | T>C | 0 | 0 | 0 | 0 |
| 33 | 4 | 99839126 | T>C | 0 | 0.316666667 | 0 | 0 |
| 34 | 4 | 99924119 | G>T | 0 | 0 | 0 | 0.51333333 |
| 35 | 4 | 99976340 | T>G | 0 | 0 | 0 | 0 |
| 36 | 4 | 1E+08 | G>A | 0 | 0.448333333 | 0 | 0 |
| 37 | 4 | 1E+08 | A>G | 0 | 0 | 0 | 0.40333333 |
| 38 | 4 | 1E+08 | C>A | 0 | 0.555 | 0 | 0 |
| 39 | 4 | 1.01E+08 | A>G | 0 | 0 | 0 | 0 |
| 40 | 4 | 1.01E+08 | C>G | 0 | 0 | 0 | 0 |
| 41 | 4 | 1.01E+08 | C>G | 0 | 0 | 0.445 | 0 |
| 42 | 4 | 1.01E+08 | G>T | 0 | 0 | 0.313333333 | 0.58 |
| 43 | 4 | 1.02E+08 | T>C | 0 | 0 | 0.351666667 | 0 |
| 44 | 4 | 1.02E+08 | T>C | 0 | 0 | 0 | 0 |
| 45 | 4 | 1.03E+08 | G>A | 0 | 0 | 0 | 0 |
| 46 | 4 | 1.03E+08 | T>C | 0 | 0 | 0 | 0.43 |
| 47 | 4 | 1.03E+08 | C>T | 0 | 0.5 | 0.333333333 | 0 |
| 48 | 4 | 1.03E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 49 | 4 | 1.04E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 50 | 4 | 1.04E+08 | A>G | 0 | 0 | 0 | 0.57 |
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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | 4 | 1.04E+08 | A>T | 0 | 0 | 0.3333333333 | 0 |
| 2 | 4 | 1.04E+08 | C>T | 0 | 0 | 0 | 0.45333333 |
| 3 | 4 | 1.05E+08 | T>G | 0 | 0.385 | 0 | 0 |
| 4 | 4 | 1.05E+08 | C>A | 0 | 0 | 0 | 0.55666667 |
| 5 | 4 | 1.05E+08 | C>G | 0 | 0.3516666667 | 0 | 0 |
| 6 | 4 | 1.05E+08 | G>A | 0 | 0.9266666667 | 0 | 0 |
| 7 | 4 | 1.05E+08 | G>A | 0 | 0 | 0.3033333333 | 0 |
| 8 | 4 | 1.06E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 9 | 4 | 1.06E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 10 | 4 | 1.06E+08 | C>T | 0 | 0.345 | 0 | 0 |
| 11 | 4 | 1.06E+08 | T>C | 0 | 0.3966666667 | 0 | 0 |
| 12 | 4 | 1.06E+08 | C>T | 0 | 0.3566666667 | 0 | 0.51333333 |
| 13 | 4 | 1.06E+08 | T>G | 0 | 0 | 0 | 0.35333333 |
| 14 | 4 | 1.07E+08 | A>T | 0 | 0 | 0.3333333333 | 0 |
| 15 | 4 | 1.07E+08 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 16 | 4 | 1.07E+08 | C>T | 0 | 0 | 0 | 0.52666667 |
| 17 | 4 | 1.07E+08 | C>T | 0 | 0 | 0 | 0 |
| 18 | 4 | 1.07E+08 | C>A | 0 | 0 | 0 | 0.43333333 |
| 19 | 4 | 1.07E+08 | T>A | 0 | 0 | 0 | 0 |
| 20 | 4 | 1.07E+08 | A>G | 0 | 0 | 0 | 0 |
| 21 | 4 | 1.07E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 4 | 1.07E+08 | G>A | 0 | 0.5266666667 | 0 | 0 |
| 23 | 4 | 1.07E+08 | T>C | 0 | 0 | 0 | 0.36333333 |
| 24 | 4 | 1.07E+08 | C>T | 0 | 0 | 0 | 0 |
| 25 | 4 | 1.07E+08 | A>G | 0 | 0 | 0 | 0.32333333 |
| 26 | 4 | 1.08E+08 | G>T | 0 | 0 | 0 | 0 |
| 27 | 4 | 1.09E+08 | C>G | 0 | 0 | 0 | 0.45 |
| 28 | 4 | 1.09E+08 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 29 | 4 | 1.09E+08 | A>C | 0 | 0.4766666667 | 0 | 0 |
| 30 | 4 | 1.09E+08 | T>C | 0 | 0 | 0 | 0 |
| 31 | 4 | 1.1E+08 | T>A | 0 | 0.3516666667 | 0 | 0 |
| 32 | 4 | 1.1E+08 | C>T | 0 | 0 | 0.4166666667 | 0.45333333 |
| 33 | 4 | 1.1E+08 | G>T | 0 | 0.4 | 0 | 0 |
| 34 | 4 | 1.1E+08 | G>A | 0 | 0 | 0.3516666667 | 0 |
| 35 | 4 | 1.1E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 36 | 4 | 1.1E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 4 | 1.1E+08 | T>C | 0 | 0 | 0 | 0 |
| 38 | 4 | 1.1E+08 | A>G | 0 | 0.4166666667 | 0 | 0.82 |
| 39 | 4 | 1.1E+08 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 40 | 4 | 1.1E+08 | C>T | 0 | 0 | 0 | 0.43333333 |
| 41 | 4 | 1.1E+08 | T>C | 0 | 0 | 0 | 0 |
| 42 | 4 | 1.11E+08 | C>T | 0 | 0 | 0 | 0.55666667 |
| 43 | 4 | 1.11E+08 | A>G | 0 | 0.7016666667 | 0 | 0 |
| 44 | 4 | 1.11E+08 | T>G | 0 | 0.37 | 0 | 0 |
| 45 | 4 | 1.11E+08 | C>A | 0 | 0 | 0 | 0 |
| 46 | 4 | 1.11E+08 | T>G | 0 | 0.8333333333 | 0 | 0 |
| 47 | 4 | 1.11E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 48 | 4 | 1.11E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 49 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 50 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 51 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 52 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 53 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 54 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 55 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 56 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 57 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 58 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 59 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |
| 60 | 4 | 1.11E+08 | C>T | 0 | 0.3616666667 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 4 | 1.11E+08 | G>T | 0 | 0.356666667 | 0 | 0 |
| 3 | 4 | 1.11E+08 | G>T | 0 | 0 | 0 | 0 |
| 4 | 4 | 1.11E+08 | A>G | 0 | 0 | 0 | 0.69 |
| 5 | 4 | 1.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 6 | 4 | 1.11E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 7 | 4 | 1.11E+08 | C>T | 0 | 0.303333333 | 0 | 0.3233333 |
| 8 | 4 | 1.11E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 9 | 4 | 1.13E+08 | C>G | 0 | 0.396666667 | 0 | 0.4766667 |
| 10 | 4 | 1.13E+08 | G>T | 0 | 0.445 | 0 | 0.3933333 |
| 11 | 4 | 1.13E+08 | T>C | 0 | 0 | 0 | 0 |
| 12 | 4 | 1.13E+08 | T>C | 0 | 0 | 0 | 0 |
| 13 | 4 | 1.13E+08 | G>A | 0 | 0 | 0 | 0 |
| 14 | 4 | 1.14E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 15 | 4 | 1.14E+08 | C>A | 0 | 0 | 0 | 0 |
| 16 | 4 | 1.14E+08 | G>A | 0 | 0 | 0 | 0 |
| 17 | 4 | 1.14E+08 | T>C | 0 | 0 | 0 | 0 |
| 18 | 4 | 1.14E+08 | T>G | 0 | 0 | 0 | 0 |
| 19 | 4 | 1.15E+08 | A>C | 0 | 0 | 0 | 0 |
| 20 | 4 | 1.15E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 21 | 4 | 1.16E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 22 | 4 | 1.16E+08 | T>A | 0 | 0 | 0.363333333 | 0 |
| 23 | 4 | 1.19E+08 | T>C | 0 | 0 | 0.333333333 | 0 |
| 24 | 4 | 1.19E+08 | T>C | 0 | 0 | 0.351666667 | 0 |
| 25 | 4 | 1.2E+08 | A>G | 0 | 0.343333333 | 0 | 0 |
| 26 | 4 | 1.2E+08 | T>G | 0 | 0.521666667 | 0 | 0 |
| 27 | 4 | 1.2E+08 | C>G | 0 | 0 | 0 | 0 |
| 28 | 4 | 1.2E+08 | T>G | 0 | 0.37 | 0 | 0 |
| 29 | 4 | 1.2E+08 | T>A | 0 | 0.4 | 0 | 0 |
| 30 | 4 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 31 | 4 | 1.2E+08 | A>T | 0 | 0 | 0 | 0 |
| 32 | 4 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 33 | 4 | 1.2E+08 | T>C | 0 | 0.641666667 | 0 | 0 |
| 34 | 4 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 35 | 4 | 1.22E+08 | G>A | 0 | 0 | 0 | 0 |
| 36 | 4 | 1.22E+08 | G>A | 0 | 0 | 0 | 0.6666667 |
| 37 | 4 | 1.22E+08 | T>C | 0 | 0 | 0 | 0.3933333 |
| 38 | 4 | 1.22E+08 | T>C | 0 | 0 | 0 | 0 |
| 39 | 4 | 1.23E+08 | T>C | 0 | 0.435 | 0 | 0 |
| 40 | 4 | 1.23E+08 | A>C | 0 | 0.403333333 | 0 | 0 |
| 41 | 4 | 1.24E+08 | T>C | 0 | 0 | 0 | 0.7633333 |
| 42 | 4 | 1.24E+08 | A>G | 0 | 0 | 0 | 0.3033333 |
| 43 | 4 | 1.24E+08 | C>G | 0 | 0 | 0 | 0.31 |
| 44 | 4 | 1.24E+08 | T>C | 0 | 0 | 0.513333333 | 0 |
| 45 | 4 | 1.24E+08 | G>T | 0 | 0 | 0 | 0.5133333 |
| 46 | 4 | 1.24E+08 | G>T | 0 | 0 | 0 | 0 |
| 47 | 4 | 1.24E+08 | T>A | 0 | 0 | 0 | 0 |
| 48 | 4 | 1.26E+08 | A>T | 0 | 0.313333333 | 0 | 0 |
| 49 | 4 | 1.26E+08 | A>G | 0 | 0.49 | 0 | 0 |
| 50 | 4 | 1.29E+08 | T>G | 0 | 0 | 0 | 0 |
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|----|---|----------|-----|---|--------------|--------------|------------|
| 1 | | | | | | | |
| 2 | 4 | 1.29E+08 | T>C | 0 | 0 | 0 | 0 |
| 3 | 4 | 1.29E+08 | G>A | 0 | 0 | 0 | 0.51333333 |
| 4 | 4 | 1.29E+08 | G>T | 0 | 0 | 0 | 0.55666667 |
| 5 | 4 | 1.29E+08 | A>T | 0 | 0.5 | 0 | 0 |
| 6 | 4 | 1.29E+08 | T>A | 0 | 0.4766666667 | 0 | 0 |
| 7 | 4 | 1.29E+08 | A>G | 0 | 0 | 0 | 0 |
| 8 | 4 | 1.29E+08 | C>A | 0 | 0 | 0 | 0.69 |
| 9 | 4 | 1.29E+08 | A>G | 0 | 0 | 0 | 0.32333333 |
| 10 | 4 | 1.29E+08 | T>C | 0 | 0.5 | 0 | 0 |
| 11 | 4 | 1.29E+08 | T>C | 0 | 0 | 0 | 0.44 |
| 12 | 4 | 1.29E+08 | T>C | 0 | 0.3033333333 | 0 | 0 |
| 13 | 4 | 1.29E+08 | A>G | 0 | 0 | 0.3916666667 | 0 |
| 14 | 4 | 1.3E+08 | C>T | 0 | 0.32 | 0 | 0 |
| 15 | 4 | 1.3E+08 | G>A | 0 | 0.6066666667 | 0 | 0 |
| 16 | 4 | 1.3E+08 | C>T | 0 | 0.3966666667 | 0 | 0 |
| 17 | 4 | 1.3E+08 | A>G | 0 | 0.3516666667 | 0 | 0 |
| 18 | 4 | 1.38E+08 | A>C | 0 | 0 | 0 | 0 |
| 19 | 4 | 1.39E+08 | T>C | 0 | 0.3083333333 | 0 | 0 |
| 20 | 4 | 1.39E+08 | A>G | 0 | 0.625 | 0 | 0 |
| 21 | 4 | 1.39E+08 | C>T | 0 | 0 | 0 | 0 |
| 22 | 4 | 1.4E+08 | T>C | 0 | 0.5133333333 | 0 | 0 |
| 23 | 4 | 1.4E+08 | A>C | 0 | 0.785 | 0 | 0 |
| 24 | 4 | 1.4E+08 | T>C | 0 | 0 | 0 | 0 |
| 25 | 4 | 1.4E+08 | G>T | 0 | 0 | 0 | 0 |
| 26 | 4 | 1.4E+08 | C>T | 0 | 0.6066666667 | 0 | 0 |
| 27 | 4 | 1.4E+08 | T>A | 0 | 0 | 0 | 0.49666667 |
| 28 | 4 | 1.4E+08 | A>C | 0 | 0 | 0 | 0.68333333 |
| 29 | 4 | 1.4E+08 | C>T | 0 | 0.4766666667 | 0 | 0 |
| 30 | 4 | 1.4E+08 | A>C | 0 | 0 | 0 | 0.86 |
| 31 | 4 | 1.4E+08 | G>C | 0 | 0 | 0 | 0.62666667 |
| 32 | 4 | 1.41E+08 | A>T | 0 | 0 | 0 | 0 |
| 33 | 4 | 1.41E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 34 | 4 | 1.41E+08 | C>A | 0 | 0 | 0 | 0 |
| 35 | 4 | 1.41E+08 | C>T | 0 | 0 | 0 | 0 |
| 36 | 4 | 1.41E+08 | G>A | 0 | 0 | 0.375 | 0 |
| 37 | 4 | 1.41E+08 | G>A | 0 | 0.3333333333 | 0 | 0.33333333 |
| 38 | 4 | 1.42E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 4 | 1.42E+08 | C>T | 0 | 0 | 0.3033333333 | 0 |
| 40 | 4 | 1.42E+08 | G>C | 0 | 0 | 0 | 0.69333333 |
| 41 | 4 | 1.42E+08 | T>C | 0 | 0 | 0 | 0.45 |
| 42 | 4 | 1.42E+08 | G>C | 0 | 0 | 0 | 0 |
| 43 | 4 | 1.42E+08 | C>A | 0 | 0.4316666667 | 0 | 0 |
| 44 | 4 | 1.42E+08 | G>A | 0 | 0.9083333333 | 0.3033333333 | 0.41666667 |
| 45 | 4 | 1.42E+08 | A>G | 0 | 0.4383333333 | 0 | 0 |
| 46 | 4 | 1.42E+08 | A>G | 0 | 0.3783333333 | 0 | 0 |
| 47 | 4 | 1.43E+08 | G>A | 0 | 0 | 0 | 0 |
| 48 | 4 | 1.43E+08 | G>A | 0 | 0 | 0 | 0 |
| 49 | 4 | 1.43E+08 | T>G | 0 | 0 | 0 | 0.64 |
| 50 | 4 | 1.43E+08 | A>C | 0 | 0 | 0 | 0.72333333 |
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| 1 | | | | | | | |
| 2 | 4 | 1.43E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 3 | 4 | 1.43E+08 | T>C | 0 | 0.416666667 | 0 | 0.35333333 |
| 4 | 4 | 1.43E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 4 | 1.43E+08 | A>C | 0 | 0.303333333 | 0 | 0 |
| 6 | 4 | 1.43E+08 | A>G | 0 | 0.733333333 | 0 | 0.35666667 |
| 7 | 4 | 1.43E+08 | C>G | 0 | 0 | 0 | 0 |
| 8 | 4 | 1.43E+08 | T>C | 0 | 0 | 0.513333333 | 0 |
| 9 | 4 | 1.44E+08 | A>T | 0 | 0.37 | 0 | 0 |
| 10 | 4 | 1.44E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 11 | 4 | 1.44E+08 | A>G | 0 | 0.316666667 | 0 | 0 |
| 12 | 4 | 1.44E+08 | C>G | 0 | 0 | 0 | 0.41666667 |
| 13 | 4 | 1.44E+08 | G>A | 0 | 0 | 0 | 0.46 |
| 14 | 4 | 1.44E+08 | G>A | 0 | 0 | 0 | 0 |
| 15 | 4 | 1.44E+08 | G>A | 0 | 0 | 0 | 0 |
| 16 | 4 | 1.44E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 17 | 4 | 1.44E+08 | T>C | 0 | 0 | 0 | 0 |
| 18 | 4 | 1.46E+08 | T>C | 0 | 0.49 | 0 | 0.62 |
| 19 | 4 | 1.46E+08 | C>T | 0 | 0 | 0 | 0.37 |
| 20 | 4 | 1.46E+08 | G>A | 0 | 0.486666667 | 0 | 0 |
| 21 | 4 | 1.46E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 22 | 4 | 1.46E+08 | A>G | 0 | 0 | 0 | 0 |
| 23 | 4 | 1.46E+08 | T>C | 0 | 0.313333333 | 0 | 0 |
| 24 | 4 | 1.46E+08 | A>C | 0 | 0 | 0 | 0.38 |
| 25 | 4 | 1.46E+08 | T>C | 0 | 0.381666667 | 0 | 0 |
| 26 | 4 | 1.46E+08 | C>G | 0 | 0.378333333 | 0 | 0 |
| 27 | 4 | 1.46E+08 | T>G | 0 | 0.513333333 | 0 | 0 |
| 28 | 4 | 1.47E+08 | G>A | 0 | 0 | 0 | 0 |
| 29 | 4 | 1.47E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 30 | 4 | 1.47E+08 | C>A | 0 | 0 | 0 | 0 |
| 31 | 4 | 1.47E+08 | T>C | 0 | 0 | 0 | 0 |
| 32 | 4 | 1.47E+08 | A>T | 0 | 0 | 0 | 0 |
| 33 | 4 | 1.48E+08 | C>G | 0 | 0.401666667 | 0 | 0 |
| 34 | 4 | 1.48E+08 | A>C | 0 | 0.555 | 0 | 0 |
| 35 | 4 | 1.48E+08 | A>G | 0 | 0 | 0 | 0 |
| 36 | 4 | 1.48E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 37 | 4 | 1.49E+08 | G>A | 0 | 0 | 0 | 0 |
| 38 | 4 | 1.49E+08 | A>G | 0 | 0 | 0.405 | 0.34333333 |
| 39 | 4 | 1.49E+08 | T>C | 0 | 0.463333333 | 0 | 0.32 |
| 40 | 4 | 1.49E+08 | G>A | 0 | 0.833333333 | 0 | 0 |
| 41 | 4 | 1.49E+08 | A>G | 0 | 0 | 0 | 0.43333333 |
| 42 | 4 | 1.49E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 43 | 4 | 1.49E+08 | T>C | 0 | 0 | 0 | 0.66666667 |
| 44 | 4 | 1.49E+08 | T>C | 0 | 0 | 0 | 0 |
| 45 | 4 | 1.49E+08 | A>C | 0 | 0 | 0 | 0 |
| 46 | 4 | 1.49E+08 | T>C | 0 | 0.625 | 0 | 0 |
| 47 | 4 | 1.49E+08 | T>C | 0 | 0.361666667 | 0 | 0 |
| 48 | 4 | 1.49E+08 | G>A | 0 | 0.715 | 0 | 0 |
| 49 | 4 | 1.49E+08 | T>G | 0 | 0.32 | 0 | 0.33333333 |
| 50 | 4 | 1.49E+08 | G>A | 0 | 0.521666667 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 4 | 1.49E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 3 | 4 | 1.49E+08 | T>A | 0 | 0 | 0 | 0 |
| 4 | 4 | 1.49E+08 | C>T | 0 | 0.351666667 | 0 | 0.30333333 |
| 5 | 4 | 1.49E+08 | G>A | 0 | 0 | 0 | 0.40333333 |
| 6 | 4 | 1.49E+08 | C>T | 0 | 0 | 0 | 0 |
| 7 | 4 | 1.49E+08 | A>G | 0 | 0 | 0 | 0 |
| 8 | 4 | 1.49E+08 | A>G | 0 | 0.385 | 0 | 0.5266667 |
| 9 | 4 | 1.49E+08 | A>T | 0 | 0 | 0 | 0.5566667 |
| 10 | 4 | 1.49E+08 | G>C | 0 | 0.391666667 | 0 | 0 |
| 11 | 4 | 1.49E+08 | G>T | 0 | 0.455 | 0 | 0 |
| 12 | 4 | 1.49E+08 | C>T | 0 | 0 | 0 | 0 |
| 13 | 4 | 1.51E+08 | A>G | 0 | 0 | 0.521666667 | 0 |
| 14 | 4 | 1.51E+08 | A>G | 0 | 0.323333333 | 0 | 0.3866667 |
| 15 | 4 | 1.51E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 16 | 4 | 1.51E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 17 | 4 | 1.51E+08 | A>G | 0 | 0 | 0 | 0 |
| 18 | 4 | 1.51E+08 | C>T | 0 | 0 | 0 | 0.6666667 |
| 19 | 4 | 1.51E+08 | G>T | 0 | 0 | 0 | 0.5566667 |
| 20 | 4 | 1.51E+08 | C>T | 0 | 0 | 0 | 0.4766667 |
| 21 | 4 | 1.51E+08 | G>A | 0 | 0 | 0 | 0.46 |
| 22 | 4 | 1.51E+08 | A>T | 0 | 0 | 0 | 0.39333333 |
| 23 | 4 | 1.52E+08 | T>G | 0 | 0.445 | 0 | 0 |
| 24 | 4 | 1.52E+08 | A>G | 0 | 0 | 0.476666667 | 0.38333333 |
| 25 | 4 | 1.52E+08 | G>A | 0 | 0.438333333 | 0 | 0.30333333 |
| 26 | 4 | 1.52E+08 | T>C | 0 | 0.416666667 | 0 | 0.33333333 |
| 27 | 4 | 1.52E+08 | C>T | 0 | 0 | 0 | 0.49 |
| 28 | 4 | 1.52E+08 | G>A | 0 | 0.333333333 | 0 | 0.33333333 |
| 29 | 4 | 1.52E+08 | G>T | 0 | 0.455 | 0 | 0.4166667 |
| 30 | 4 | 1.52E+08 | T>C | 0 | 0 | 0 | 0 |
| 31 | 4 | 1.52E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 32 | 4 | 1.52E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 33 | 4 | 1.52E+08 | G>T | 0 | 0 | 0 | 0 |
| 34 | 4 | 1.52E+08 | G>A | 0 | 0.32 | 0 | 0 |
| 35 | 4 | 1.52E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 36 | 4 | 1.52E+08 | T>C | 0 | 0 | 0 | 0 |
| 37 | 4 | 1.52E+08 | A>G | 0 | 0 | 0 | 0.4266667 |
| 38 | 4 | 1.52E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 4 | 1.52E+08 | A>T | 0 | 0 | 0 | 0 |
| 40 | 4 | 1.52E+08 | G>A | 0 | 0.513333333 | 0 | 0.38 |
| 41 | 4 | 1.52E+08 | T>C | 0 | 0.435 | 0 | 0.30333333 |
| 42 | 4 | 1.52E+08 | A>G | 0 | 0 | 0 | 0 |
| 43 | 4 | 1.53E+08 | C>G | 0 | 0 | 0 | 0 |
| 44 | 4 | 1.54E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 45 | 4 | 1.54E+08 | G>A | 0 | 0 | 0.513333333 | 0 |
| 46 | 4 | 1.54E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 47 | 4 | 1.54E+08 | T>C | 0 | 0 | 0 | 0.38333333 |
| 48 | 4 | 1.54E+08 | A>G | 0 | 0 | 0.375 | 0 |
| 49 | 4 | 1.54E+08 | T>C | 0 | 0.648333333 | 0 | 0 |
| 50 | 4 | 1.54E+08 | A>G | 0 | 0.416666667 | 0 | 0.45333333 |
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| 1 | | | | | | | |
| 2 | 4 | 1.54E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 4 | 1.54E+08 | T>C | 0 | 0 | 0 | 0.32 |
| 4 | 4 | 1.55E+08 | G>A | 0 | 0 | 0 | 0 |
| 5 | 4 | 1.55E+08 | C>A | 0 | 0 | 0 | 0 |
| 6 | 4 | 1.55E+08 | A>T | 0 | 0.555 | 0 | 0 |
| 7 | 4 | 1.56E+08 | A>C | 0 | 0 | 0 | 0 |
| 8 | 4 | 1.56E+08 | G>A | 0 | 0 | 0 | 0.4766667 |
| 9 | 4 | 1.56E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 10 | 4 | 1.56E+08 | C>T | 0 | 0 | 0 | 0 |
| 11 | 4 | 1.57E+08 | C>T | 0 | 0 | 0 | 0 |
| 12 | 4 | 1.57E+08 | C>A | 0 | 0 | 0 | 0 |
| 13 | 4 | 1.58E+08 | G>A | 0 | 0.435 | 0 | 0 |
| 14 | 4 | 1.58E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 15 | 4 | 1.58E+08 | T>C | 0 | 0.521666667 | 0 | 0 |
| 16 | 4 | 1.58E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 4 | 1.58E+08 | T>A | 0 | 0 | 0 | 0.4166667 |
| 18 | 4 | 1.59E+08 | T>C | 0 | 0 | 0 | 0 |
| 19 | 4 | 1.6E+08 | T>C | 0 | 0 | 0 | 0 |
| 20 | 4 | 1.6E+08 | C>A | 0 | 0 | 0.388333333 | 0 |
| 21 | 4 | 1.6E+08 | T>C | 0 | 0 | 0 | 0.3166667 |
| 22 | 4 | 1.6E+08 | G>T | 0 | 0 | 0 | 0 |
| 23 | 4 | 1.6E+08 | A>G | 0 | 0 | 0.333333333 | 0.6066667 |
| 24 | 4 | 1.6E+08 | G>A | 0 | 0 | 0 | 0 |
| 25 | 4 | 1.6E+08 | T>C | 0 | 0.435 | 0 | 0 |
| 26 | 4 | 1.6E+08 | A>G | 0 | 0 | 0.445 | 0 |
| 27 | 4 | 1.6E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 28 | 4 | 1.6E+08 | C>T | 0 | 0.401666667 | 0 | 0 |
| 29 | 4 | 1.6E+08 | T>G | 0 | 0.416666667 | 0 | 0.35 |
| 30 | 4 | 1.6E+08 | T>G | 0 | 0 | 0 | 0 |
| 31 | 4 | 1.6E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 32 | 4 | 1.6E+08 | T>G | 0 | 0 | 0 | 0 |
| 33 | 4 | 1.62E+08 | G>C | 0 | 0 | 0 | 0 |
| 34 | 4 | 1.62E+08 | G>A | 0 | 0.385 | 0 | 0 |
| 35 | 4 | 1.62E+08 | C>A | 0 | 0.385 | 0 | 0 |
| 36 | 4 | 1.62E+08 | A>G | 0 | 0.391666667 | 0 | 0.3033333 |
| 37 | 4 | 1.63E+08 | G>T | 0 | 0 | 0 | 1 |
| 38 | 4 | 1.63E+08 | G>A | 0 | 0 | 0 | 0 |
| 39 | 4 | 1.63E+08 | T>C | 0 | 0.361666667 | 0 | 0 |
| 40 | 4 | 1.63E+08 | C>G | 0 | 0.526666667 | 0 | 0 |
| 41 | 4 | 1.63E+08 | A>C | 0 | 0.476666667 | 0 | 0 |
| 42 | 4 | 1.63E+08 | T>G | 0 | 0 | 0 | 1 |
| 43 | 4 | 1.63E+08 | A>C | 0 | 0.313333333 | 0 | 0 |
| 44 | 4 | 1.63E+08 | A>G | 0 | 0.441666667 | 0 | 0 |
| 45 | 4 | 1.64E+08 | A>G | 0 | 0 | 0 | 0.4166667 |
| 46 | 4 | 1.65E+08 | A>G | 0 | 0 | 0 | 0.35 |
| 47 | 4 | 1.65E+08 | G>T | 0 | 0 | 0 | 0.5066667 |
| 48 | 4 | 1.65E+08 | C>T | 0 | 0.588333333 | 0 | 0 |
| 49 | 4 | 1.65E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 50 | 4 | 1.66E+08 | A>G | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 4 | 1.66E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 3 | 4 | 1.66E+08 | G>A | 0 | 0 | 0 | 0.47666667 |
| 4 | 4 | 1.67E+08 | A>G | 0 | 0.896666667 | 0 | 0 |
| 5 | 4 | 1.67E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 6 | 4 | 1.67E+08 | T>A | 0 | 0 | 0 | 0 |
| 7 | 4 | 1.68E+08 | C>A | 0 | 0 | 0 | 0 |
| 8 | 4 | 1.68E+08 | T>A | 0 | 0.333333333 | 0 | 0.31 |
| 9 | 4 | 1.68E+08 | A>T | 0 | 0.345 | 0 | 0.3033333 |
| 10 | 4 | 1.68E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 11 | 4 | 1.68E+08 | C>G | 0 | 0 | 0 | 0 |
| 12 | 4 | 1.68E+08 | C>A | 0 | 0 | 0 | 0 |
| 13 | 4 | 1.69E+08 | C>G | 0 | 0 | 0 | 0 |
| 14 | 4 | 1.69E+08 | A>G | 0 | 0 | 0 | 0.36 |
| 15 | 4 | 1.69E+08 | G>T | 0 | 0 | 0 | 0 |
| 16 | 4 | 1.69E+08 | G>A | 0 | 0.365 | 0 | 0.5366667 |
| 17 | 4 | 1.69E+08 | T>C | 0 | 0.435 | 0 | 0 |
| 18 | 4 | 1.7E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 19 | 4 | 1.7E+08 | T>C | 0 | 0.666666667 | 0 | 0 |
| 20 | 4 | 1.7E+08 | T>G | 0 | 0.476666667 | 0 | 0 |
| 21 | 4 | 1.7E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 4 | 1.7E+08 | C>G | 0 | 0 | 0.303333333 | 0 |
| 23 | 4 | 1.7E+08 | T>C | 0 | 0 | 0 | 0 |
| 24 | 4 | 1.7E+08 | C>A | 0 | 0 | 0.5 | 0 |
| 25 | 4 | 1.7E+08 | T>C | 0 | 0 | 0 | 0.52 |
| 26 | 4 | 1.7E+08 | T>C | 0 | 0 | 0 | 0 |
| 27 | 4 | 1.7E+08 | T>C | 0 | 0 | 0 | 0.5333333 |
| 28 | 4 | 1.7E+08 | A>G | 0 | 0.695 | 0 | 0.4166667 |
| 29 | 4 | 1.71E+08 | T>C | 0 | 0 | 0 | 0 |
| 30 | 4 | 1.71E+08 | G>A | 0 | 0 | 0 | 0 |
| 31 | 4 | 1.73E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 32 | 4 | 1.73E+08 | C>A | 0 | 0 | 0 | 0 |
| 33 | 4 | 1.73E+08 | C>A | 0 | 0 | 0 | 0 |
| 34 | 4 | 1.73E+08 | A>G | 0 | 0 | 0.333333333 | 0 |
| 35 | 4 | 1.73E+08 | T>C | 0 | 0.345 | 0 | 0 |
| 36 | 4 | 1.73E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 37 | 4 | 1.73E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 38 | 4 | 1.73E+08 | C>T | 0 | 0 | 0 | 0.6266667 |
| 39 | 4 | 1.73E+08 | A>G | 0 | 0 | 0 | 0 |
| 40 | 4 | 1.73E+08 | T>A | 0 | 0.5 | 0 | 0.4166667 |
| 41 | 4 | 1.73E+08 | A>G | 0 | 0 | 0 | 0 |
| 42 | 4 | 1.74E+08 | T>C | 0 | 0.606666667 | 0 | 0.3433333 |
| 43 | 4 | 1.74E+08 | A>T | 0 | 0.391666667 | 0 | 0 |
| 44 | 4 | 1.74E+08 | C>G | 0 | 0 | 0 | 0.4833333 |
| 45 | 4 | 1.74E+08 | T>G | 0 | 0.455 | 0 | 0 |
| 46 | 4 | 1.74E+08 | A>C | 0 | 0.303333333 | 0 | 0 |
| 47 | 4 | 1.75E+08 | A>G | 0 | 0 | 0 | 0.6466667 |
| 48 | 4 | 1.76E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 49 | 4 | 1.77E+08 | G>A | 0 | 0.666666667 | 0 | 0 |
| 50 | 4 | 1.77E+08 | A>G | 0 | 0 | 0.346666667 | 0 |
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| 1 | | | | | | | |
| 2 | 4 | 1.77E+08 | A>C | 0 | 0 | 0 | 0.38 |
| 3 | 4 | 1.77E+08 | G>A | 0 | 0 | 0 | 0 |
| 4 | 4 | 1.77E+08 | A>G | 0 | 0.416666667 | 0.333333333 | 0 |
| 5 | 4 | 1.77E+08 | G>A | 0 | 0 | 0 | 0.64 |
| 6 | 4 | 1.77E+08 | T>C | 0 | 0.37 | 0 | 0.36333333 |
| 7 | 4 | 1.77E+08 | C>T | 0 | 0.513333333 | 0 | 0 |
| 8 | 4 | 1.77E+08 | C>T | 0 | 0 | 0 | 0.52 |
| 9 | 4 | 1.78E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 10 | 4 | 1.78E+08 | A>T | 0 | 0 | 0 | 0.37 |
| 11 | 4 | 1.79E+08 | C>T | 0 | 0 | 0 | 0 |
| 12 | 4 | 1.83E+08 | A>G | 0 | 0 | 0 | 0 |
| 13 | 4 | 1.83E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 14 | 4 | 1.83E+08 | G>C | 0 | 0.333333333 | 0 | 0 |
| 15 | 4 | 1.84E+08 | A>G | 0 | 0.435 | 0 | 0 |
| 16 | 4 | 1.84E+08 | A>G | 0 | 0.356666667 | 0 | 0.38 |
| 17 | 4 | 1.85E+08 | C>T | 0 | 0.403333333 | 0 | 0.30333333 |
| 18 | 4 | 1.85E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 19 | 4 | 1.85E+08 | A>G | 0 | 0 | 0 | 0 |
| 20 | 4 | 1.85E+08 | T>C | 0 | 0 | 0 | 0 |
| 21 | 4 | 1.86E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 22 | 4 | 1.86E+08 | G>A | 0 | 0.356666667 | 0 | 0 |
| 23 | 4 | 1.86E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 24 | 4 | 1.86E+08 | G>A | 0 | 0 | 0 | 0 |
| 25 | 4 | 1.86E+08 | G>T | 0 | 0.666666667 | 0 | 0 |
| 26 | 4 | 1.86E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 27 | 4 | 1.87E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 28 | 4 | 1.87E+08 | C>T | 0 | 0.316666667 | 0 | 0 |
| 29 | 4 | 1.87E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 30 | 4 | 1.88E+08 | A>T | 0 | 0 | 0.351666667 | 0.51333333 |
| 31 | 4 | 1.89E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 32 | 5 | 479860 | G>T | 0 | 0.666666667 | 0 | 0 |
| 33 | 5 | 1343151 | A>C | 0 | 0 | 0 | 0.5 |
| 34 | 5 | 5312736 | A>T | 0 | 0.351666667 | 0 | 0 |
| 35 | 5 | 5312780 | C>T | 0 | 0.333333333 | 0 | 0 |
| 36 | 5 | 6613976 | G>A | 0 | 0 | 0 | 0.44333333 |
| 37 | 5 | 6638173 | T>C | 0 | 0.391666667 | 0 | 0 |
| 38 | 5 | 6647218 | T>C | 0 | 0 | 0 | 0 |
| 39 | 5 | 6648510 | C>T | 0 | 0 | 0 | 0.57333333 |
| 40 | 5 | 6666513 | A>G | 0 | 0 | 0 | 0 |
| 41 | 5 | 7412048 | C>T | 0 | 0 | 0.37 | 0 |
| 42 | 5 | 7820488 | C>T | 0 | 0.333333333 | 0 | 0 |
| 43 | 5 | 9049325 | A>G | 0 | 0 | 0.463333333 | 0 |
| 44 | 5 | 9079806 | G>T | 0 | 0.666666667 | 0 | 0.6666667 |
| 45 | 5 | 9277447 | T>G | 0 | 0.351666667 | 0 | 0 |
| 46 | 5 | 9410711 | A>T | 0 | 0.316666667 | 0 | 0 |
| 47 | 5 | 9496368 | A>G | 0 | 0 | 0 | 0 |
| 48 | 5 | 10234189 | T>C | 0 | 0.53 | 0 | 0 |
| 49 | 5 | 10285507 | T>C | 0 | 0.476666667 | 0 | 0 |
| 50 | 5 | 10288062 | C>T | 0 | 0 | 0 | 0.4766667 |
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| 5 | 10387979 | A>G | 0 | 0.666666667 | 0 | 0 |
| 5 | 10708435 | G>C | 0 | 0.438333333 | 0 | 0 |
| 5 | 10757600 | A>G | 0 | 0.785 | 0 | 0 |
| 5 | 11039912 | A>G | 0 | 0.385 | 0 | 0 |
| 5 | 11294894 | A>G | 0 | 0 | 0 | 0 |
| 5 | 11295142 | C>G | 0 | 0 | 0.323333333 | 0 |
| 5 | 11295883 | C>G | 0 | 0 | 0 | 0.33333333 |
| 5 | 11295927 | T>C | 0 | 0 | 0 | 0.5 |
| 5 | 11346793 | T>C | 0 | 0 | 0 | 0 |
| 5 | 11531492 | A>C | 0 | 0 | 0 | 0.38333333 |
| 5 | 11668753 | A>T | 0 | 0.351666667 | 0 | 0.69333333 |
| 5 | 11668937 | A>G | 0 | 0 | 0 | 0.7566667 |
| 5 | 11670051 | A>G | 0 | 0.356666667 | 0 | 0 |
| 5 | 13787139 | A>G | 0 | 0 | 0.306666667 | 0 |
| 5 | 13795819 | G>A | 0 | 0 | 0 | 0 |
| 5 | 13795950 | A>G | 0 | 0 | 0 | 0.74 |
| 5 | 13835164 | A>T | 0 | 0.476666667 | 0 | 0 |
| 5 | 13890333 | C>T | 0 | 0 | 0 | 0 |
| 5 | 13890335 | A>G | 0 | 0 | 0 | 0 |
| 5 | 14289290 | T>A | 0 | 0.396666667 | 0 | 0 |
| 5 | 14508406 | A>G | 0 | 0 | 0 | 0 |
| 5 | 14604176 | T>C | 0 | 0.303333333 | 0 | 0 |
| 5 | 14716348 | C>T | 0 | 0.333333333 | 0 | 0 |
| 5 | 14790066 | G>A | 0 | 0 | 0 | 0 |
| 5 | 15649162 | G>A | 0 | 0.37 | 0 | 0 |
| 5 | 15830422 | A>G | 0 | 0 | 0 | 0 |
| 5 | 15873844 | C>A | 0 | 0.5 | 0 | 0 |
| 5 | 16454489 | C>T | 0 | 0 | 0 | 0 |
| 5 | 16693187 | G>C | 0 | 0 | 0 | 0.4766667 |
| 5 | 16700549 | T>G | 0 | 0 | 0 | 0 |
| 5 | 16701895 | T>C | 0 | 0 | 0 | 0 |
| 5 | 16734684 | T>C | 0 | 0.385 | 0 | 0 |
| 5 | 16738800 | A>G | 0 | 0 | 0 | 0.3466667 |
| 5 | 16837172 | T>C | 0 | 0 | 0 | 0 |
| 5 | 16840437 | T>C | 0 | 0.416666667 | 0 | 0 |
| 5 | 16850664 | T>C | 0 | 0.385 | 0 | 0.30333333 |
| 5 | 16887825 | A>C | 0 | 0 | 0 | 0 |
| 5 | 16908153 | C>G | 0 | 0.416666667 | 0 | 0 |
| 5 | 16911912 | C>T | 0 | 0.315 | 0 | 0 |
| 5 | 19511157 | A>G | 0 | 0.438333333 | 0 | 0 |
| 5 | 19575096 | C>T | 0 | 0 | 0 | 0.5866667 |
| 5 | 19634988 | A>G | 0 | 0 | 0 | 0.6166667 |
| 5 | 19659086 | T>G | 0 | 0.333333333 | 0 | 0 |
| 5 | 19755891 | A>T | 0 | 0.476666667 | 0 | 0 |
| 5 | 19762258 | C>A | 0 | 0.521666667 | 0 | 0.35 |
| 5 | 19762683 | T>C | 0 | 0 | 0 | 0 |
| 5 | 19968577 | T>C | 0 | 0 | 0 | 0 |
| 5 | 20038339 | C>T | 0 | 0.445 | 0 | 0 |
| 5 | 20059562 | C>T | 0 | 0.313333333 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 5 | 20112723 | C>T | 0 | 0.73 | 0 | 0.3033333 |
| 3 | 5 | 20139661 | C>T | 0 | 0 | 0 | 0 |
| 4 | 5 | 20139904 | G>A | 0 | 0.635 | 0 | 0 |
| 5 | 5 | 20158032 | T>A | 0 | 0 | 0 | 0.5566667 |
| 6 | 5 | 20249761 | T>G | 0 | 0 | 0 | 0.5266667 |
| 7 | 5 | 20295664 | C>T | 0 | 0 | 0 | 0.38 |
| 8 | 5 | 20406571 | A>G | 0 | 0 | 0 | 0 |
| 9 | 5 | 21838573 | A>G | 0 | 0.635 | 0 | 0 |
| 10 | 5 | 22027970 | C>T | 0 | 0.313333333 | 0 | 0 |
| 11 | 5 | 22240923 | G>A | 0 | 0 | 0 | 0.3133333 |
| 12 | 5 | 22308257 | A>G | 0 | 0 | 0 | 0.5566667 |
| 13 | 5 | 22359179 | A>C | 0 | 0.606666667 | 0 | 0 |
| 14 | 5 | 22359598 | C>T | 0 | 0 | 0 | 0.3966667 |
| 15 | 5 | 22418394 | C>T | 0 | 0.666666667 | 0 | 0 |
| 16 | 5 | 22457837 | G>A | 0 | 0.666666667 | 0 | 0 |
| 17 | 5 | 22624367 | T>C | 0 | 0 | 0 | 0 |
| 18 | 5 | 22744335 | A>G | 0 | 0.333333333 | 0 | 0 |
| 19 | 5 | 23958687 | G>C | 0 | 0 | 0 | 0.3266667 |
| 20 | 5 | 26898516 | C>T | 0 | 0 | 0 | 0.6333333 |
| 21 | 5 | 26909357 | T>C | 0 | 0.463333333 | 0 | 0.5 |
| 22 | 5 | 26933632 | T>C | 0 | 0 | 0 | 0 |
| 23 | 5 | 31258566 | A>G | 0 | 0 | 0 | 0 |
| 24 | 5 | 31454954 | G>A | 0 | 0.555 | 0 | 0 |
| 25 | 5 | 31514513 | C>T | 0 | 0.37 | 0 | 0 |
| 26 | 5 | 31662295 | A>G | 0 | 0.666666667 | 0 | 0 |
| 27 | 5 | 31662861 | C>T | 0 | 0 | 0 | 0 |
| 28 | 5 | 31686170 | T>C | 0 | 0 | 0 | 0 |
| 29 | 5 | 31784894 | A>G | 0 | 0 | 0 | 0 |
| 30 | 5 | 31811319 | T>C | 0 | 0 | 0 | 0 |
| 31 | 5 | 31895262 | A>G | 0 | 0.323333333 | 0 | 0 |
| 32 | 5 | 32010900 | A>G | 0 | 0 | 0 | 0.3433333 |
| 33 | 5 | 32091483 | C>T | 0 | 0.388333333 | 0 | 0 |
| 34 | 5 | 32281095 | A>T | 0 | 0 | 0 | 0 |
| 35 | 5 | 32281764 | C>T | 0 | 0.416666667 | 0 | 0 |
| 36 | 5 | 32285394 | A>G | 0 | 0 | 0 | 0 |
| 37 | 5 | 32302621 | G>A | 0 | 0.396666667 | 0 | 0 |
| 38 | 5 | 32755183 | T>G | 0 | 0.506666667 | 0 | 0 |
| 39 | 5 | 32756343 | A>T | 0 | 0 | 0 | 0 |
| 40 | 5 | 32756344 | G>A | 0 | 0 | 0 | 0 |
| 41 | 5 | 32757084 | G>C | 0 | 0 | 0.303333333 | 0.4333333 |
| 42 | 5 | 32763369 | A>T | 0 | 0 | 0 | 0 |
| 43 | 5 | 33542544 | T>C | 0 | 0 | 0 | 0.52 |
| 44 | 5 | 33542835 | T>C | 0 | 0 | 0.401666667 | 0 |
| 45 | 5 | 33543702 | G>A | 0 | 0 | 0.455 | 0 |
| 46 | 5 | 33670616 | A>G | 0 | 0.378333333 | 0 | 0 |
| 47 | 5 | 33706724 | T>G | 0 | 0 | 0 | 0.7033333 |
| 48 | 5 | 33706726 | C>G | 0 | 0 | 0 | 0.6666667 |
| 49 | 5 | 33762177 | G>A | 0 | 0.356666667 | 0 | 0 |
| 50 | 5 | 33862461 | A>G | 0 | 0 | 0 | 1 |
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| 5 | 33862703 | T>A | 0 | 0.361666667 | 0 | 0.31666667 |
| 5 | 34769942 | A>C | 0 | 0.416666667 | 0 | 0 |
| 5 | 34780771 | T>C | 0 | 0 | 0 | 0.45 |
| 5 | 34882047 | A>G | 0 | 0 | 0 | 0 |
| 5 | 35013642 | T>G | 0 | 0.416666667 | 0 | 0.43333333 |
| 5 | 35021108 | G>A | 0 | 0 | 0 | 0 |
| 5 | 35024820 | A>T | 0 | 0.476666667 | 0 | 0 |
| 5 | 35076798 | G>A | 0 | 0.391666667 | 0 | 0 |
| 5 | 35109398 | T>C | 0 | 0 | 0 | 0.43333333 |
| 5 | 35172749 | G>A | 0 | 0 | 0 | 0 |
| 5 | 36205868 | T>C | 0 | 0.37 | 0 | 0.58666667 |
| 5 | 36266951 | T>C | 0 | 0.715 | 0 | 0 |
| 5 | 36266952 | G>A | 0 | 0.445 | 0 | 0 |
| 5 | 37135115 | C>G | 0 | 0 | 0 | 0.65333333 |
| 5 | 37193515 | C>G | 0 | 0 | 0 | 0 |
| 5 | 37213254 | T>G | 0 | 0 | 0 | 0 |
| 5 | 37315075 | A>T | 0 | 0.303333333 | 0 | 0 |
| 5 | 37325050 | G>A | 0 | 0.333333333 | 0 | 0 |
| 5 | 37332537 | T>C | 0 | 0 | 0 | 0 |
| 5 | 37339685 | C>A | 0 | 0.333333333 | 0 | 0 |
| 5 | 37341915 | C>T | 0 | 0.416666667 | 0 | 0.52 |
| 5 | 37352484 | A>T | 0 | 0.445 | 0 | 0 |
| 5 | 37407458 | T>C | 0 | 0.385 | 0.448333333 | 0 |
| 5 | 37432776 | G>C | 0 | 0 | 0 | 0 |
| 5 | 37471225 | T>C | 0 | 0.315 | 0 | 0 |
| 5 | 37525586 | A>G | 0 | 0 | 0 | 0.52 |
| 5 | 37527476 | A>C | 0 | 0.445 | 0 | 0 |
| 5 | 37527564 | T>C | 0 | 0 | 0 | 0 |
| 5 | 37530178 | C>T | 0 | 0 | 0 | 0.47666667 |
| 5 | 37532288 | G>T | 0 | 0.333333333 | 0 | 0 |
| 5 | 37653393 | G>C | 0 | 0.313333333 | 0 | 0 |
| 5 | 37677536 | C>G | 0 | 0 | 0 | 0 |
| 5 | 37678816 | A>G | 0 | 0.416666667 | 0 | 0 |
| 5 | 37693425 | T>C | 0 | 0 | 0 | 0.31666667 |
| 5 | 37718452 | A>G | 0 | 0 | 0 | 0 |
| 5 | 38352339 | A>C | 0 | 0 | 0 | 0 |
| 5 | 38411487 | A>G | 0 | 0 | 0 | 0 |
| 5 | 38861006 | T>C | 0 | 0 | 0 | 0.38 |
| 5 | 38985108 | T>A | 0 | 0 | 0 | 0.33333333 |
| 5 | 39037263 | A>T | 0 | 0.356666667 | 0 | 0 |
| 5 | 39039249 | G>T | 0 | 0 | 0 | 0.39666667 |
| 5 | 39154178 | A>G | 0 | 0.606666667 | 0 | 0 |
| 5 | 39314290 | A>G | 0 | 0 | 0 | 0.32333333 |
| 5 | 39404056 | T>G | 0 | 0 | 0.351666667 | 0 |
| 5 | 40737135 | G>T | 0 | 0.303333333 | 0 | 0 |
| 5 | 40777171 | A>G | 0 | 0 | 0.346666667 | 0 |
| 5 | 41058897 | T>C | 0 | 0 | 0 | 0.69 |
| 5 | 41205013 | A>C | 0 | 0 | 0.303333333 | 0.61666667 |
| 5 | 41207213 | G>A | 0 | 0.37 | 0 | 0.53666667 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 5 | 41208026 | T>C | 0 | 0 | 0 | 0.3933333 |
| 3 | 5 | 41226449 | G>A | 0 | 0 | 0 | 0 |
| 4 | 5 | 41745161 | T>C | 0 | 0 | 0 | 0 |
| 5 | 5 | 41792095 | C>T | 0 | 0 | 0 | 0.31 |
| 6 | 5 | 41833938 | A>G | 0 | 0.575 | 0 | 0 |
| 7 | 5 | 41846839 | T>C | 0 | 0 | 0 | 0.3333333 |
| 8 | 5 | 42456351 | G>T | 0 | 0.49 | 0 | 0 |
| 9 | 5 | 42480561 | G>A | 0 | 0 | 0 | 0 |
| 10 | 5 | 42687208 | A>C | 0 | 0 | 0 | 0.4433333 |
| 11 | 5 | 42687219 | A>G | 0 | 0 | 0.378333333 | 0.43 |
| 12 | 5 | 43121945 | C>T | 0 | 0 | 0 | 0 |
| 13 | 5 | 43135589 | G>A | 0 | 0.526666667 | 0 | 0 |
| 14 | 5 | 43239818 | G>A | 0 | 0 | 0 | 0 |
| 15 | 5 | 43261488 | G>T | 0 | 0 | 0 | 0 |
| 16 | 5 | 43398681 | A>G | 0 | 0 | 0 | 0.4166667 |
| 17 | 5 | 43404608 | G>A | 0 | 0.333333333 | 0 | 0.5333333 |
| 18 | 5 | 43406281 | A>G | 0 | 0 | 0 | 1 |
| 19 | 5 | 43406836 | T>C | 0 | 0.513333333 | 0 | 0 |
| 20 | 5 | 43500767 | T>G | 0 | 0 | 0.32 | 0.6866667 |
| 21 | 5 | 43662845 | G>A | 0 | 0.416666667 | 0 | 0 |
| 22 | 5 | 43670879 | A>G | 0 | 0 | 0 | 0 |
| 23 | 5 | 45314780 | A>G | 0 | 0.416666667 | 0 | 0.3233333 |
| 24 | 5 | 45346496 | T>C | 0 | 0 | 0 | 0.6266667 |
| 25 | 5 | 45347936 | A>G | 0 | 0.385 | 0 | 0 |
| 26 | 5 | 45348436 | G>C | 0 | 0 | 0 | 0 |
| 27 | 5 | 45450196 | A>G | 0 | 0 | 0.303333333 | 0 |
| 28 | 5 | 45581492 | C>G | 0 | 0.49 | 0 | 0 |
| 29 | 5 | 45581569 | G>T | 0 | 0 | 0 | 0 |
| 30 | 5 | 45583795 | C>T | 0 | 0 | 0 | 0.5133333 |
| 31 | 5 | 45598993 | G>A | 0 | 0 | 0 | 0 |
| 32 | 5 | 52924019 | G>A | 0 | 0 | 0 | 0 |
| 33 | 5 | 52925746 | C>T | 0 | 0.666666667 | 0 | 0 |
| 34 | 5 | 52925985 | G>A | 0 | 0.595 | 0 | 0 |
| 35 | 5 | 52926006 | G>A | 0 | 0.37 | 0 | 0.6333333 |
| 36 | 5 | 52958077 | C>G | 0 | 0.385 | 0.333333333 | 0 |
| 37 | 5 | 53264768 | G>A | 0 | 0.385 | 0 | 0.49 |
| 38 | 5 | 53307664 | T>C | 0 | 0.351666667 | 0 | 0 |
| 39 | 5 | 53383717 | A>G | 0 | 0 | 0 | 0 |
| 40 | 5 | 53446425 | C>T | 0 | 0.323333333 | 0 | 0 |
| 41 | 5 | 53495452 | G>A | 0 | 0 | 0 | 0.3133333 |
| 42 | 5 | 54583514 | T>C | 0 | 0 | 0 | 0.8966667 |
| 43 | 5 | 54622053 | C>T | 0 | 0.416666667 | 0 | 0 |
| 44 | 5 | 54687251 | A>G | 0 | 0.445 | 0 | 0 |
| 45 | 5 | 54782211 | A>G | 0 | 0 | 0 | 0 |
| 46 | 5 | 54784222 | T>C | 0 | 0 | 0 | 0 |
| 47 | 5 | 54952941 | G>A | 0 | 0.333333333 | 0 | 0 |
| 48 | 5 | 55102518 | C>T | 0 | 0 | 0 | 0 |
| 49 | 5 | 55274528 | A>G | 0 | 0 | 0 | 0 |
| 50 | 5 | 55397963 | T>C | 0 | 0.313333333 | 0 | 0 |
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| 5 | 55413708 | G>A | 0 | 0.356666667 | 0 | 0 |
| 5 | 55413770 | G>A | 0 | 0 | 0 | 0 |
| 5 | 55420608 | T>C | 0 | 0 | 0.58 | 0 |
| 5 | 55516458 | A>T | 0 | 0 | 0 | 0.30333333 |
| 5 | 55768292 | C>T | 0 | 0.316666667 | 0 | 0 |
| 5 | 55837522 | G>A | 0 | 0.526666667 | 0 | 0 |
| 5 | 56187794 | A>G | 0 | 0.323333333 | 0 | 0 |
| 5 | 56522834 | A>G | 0 | 0.346666667 | 0 | 0 |
| 5 | 56551914 | C>T | 0 | 0 | 0 | 0.66666667 |
| 5 | 58147271 | C>T | 0 | 0 | 0 | 0 |
| 5 | 58311747 | C>T | 0 | 0 | 0 | 0.37 |
| 5 | 58509762 | C>T | 0 | 0.606666667 | 0 | 0 |
| 5 | 58525744 | G>C | 0 | 0.416666667 | 0 | 0.37 |
| 5 | 58525746 | C>T | 0 | 0.416666667 | 0 | 0.30333333 |
| 5 | 58964415 | G>A | 0 | 0.391666667 | 0 | 0 |
| 5 | 58984863 | C>G | 0 | 0 | 0.445 | 0.33333333 |
| 5 | 58986205 | T>C | 0 | 0 | 0 | 0.34333333 |
| 5 | 59917199 | G>T | 0 | 0 | 0 | 0.33333333 |
| 5 | 59978277 | A>G | 0 | 0 | 0 | 0.5 |
| 5 | 60192316 | T>C | 0 | 0 | 0 | 0.70333333 |
| 5 | 60303693 | G>A | 0 | 0.396666667 | 0 | 0.31333333 |
| 5 | 60327927 | A>G | 0 | 0 | 0 | 0.66666667 |
| 5 | 60392244 | G>A | 0 | 0.361666667 | 0 | 0 |
| 5 | 60407313 | C>G | 0 | 0 | 0 | 0.5 |
| 5 | 60424872 | G>A | 0 | 0 | 0 | 0.36 |
| 5 | 60685176 | T>A | 0 | 0 | 0 | 0.30333333 |
| 5 | 60706396 | G>A | 0 | 0 | 0 | 0.95333333 |
| 5 | 60802189 | T>C | 0 | 0.513333333 | 0 | 0.39333333 |
| 5 | 61000744 | T>C | 0 | 0.378333333 | 0 | 0 |
| 5 | 61721230 | C>T | 0 | 0.323333333 | 0 | 0 |
| 5 | 61722126 | T>A | 0 | 0.391666667 | 0 | 0.65 |
| 5 | 61776356 | A>G | 0 | 0.49 | 0 | 0 |
| 5 | 61840296 | T>C | 0 | 0.303333333 | 0 | 0 |
| 5 | 61841185 | G>C | 0 | 0 | 0 | 0 |
| 5 | 61861051 | A>G | 0 | 0.32 | 0 | 0 |
| 5 | 61861071 | T>G | 0 | 0.595 | 0 | 0 |
| 5 | 63531958 | A>G | 0 | 0.555 | 0 | 0 |
| 5 | 63561095 | G>T | 0 | 0.513333333 | 0 | 0 |
| 5 | 63584477 | T>A | 0 | 0.351666667 | 0 | 0 |
| 5 | 63584500 | T>C | 0 | 0 | 0 | 0.47666667 |
| 5 | 63844569 | A>G | 0 | 0 | 0 | 0 |
| 5 | 64053198 | A>G | 0 | 0.526666667 | 0 | 0 |
| 5 | 64232559 | C>G | 0 | 0 | 0 | 0 |
| 5 | 64279742 | G>C | 0 | 0.313333333 | 0 | 0 |
| 5 | 64549852 | T>A | 0 | 0.396666667 | 0 | 0.40333333 |
| 5 | 64584411 | G>C | 0 | 0 | 0 | 0.95333333 |
| 5 | 64671003 | T>A | 0 | 0.606666667 | 0 | 0 |
| 5 | 64701920 | A>C | 0 | 0 | 0 | 0 |
| 5 | 64704584 | T>C | 0 | 0 | 0.316666667 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 5 | 64705699 | T>C | 0 | 0.303333333 | 0 | 0.6066667 |
| 3 | 5 | 64718350 | A>G | 0 | 0.466666667 | 0 | 0 |
| 4 | 5 | 64738912 | A>G | 0 | 0 | 0 | 0 |
| 5 | 5 | 64843539 | A>T | 0 | 0.416666667 | 0 | 0 |
| 6 | 5 | 64937942 | A>G | 0 | 0 | 0.315 | 0.3266667 |
| 7 | 5 | 65061252 | T>G | 0 | 0 | 0 | 0.3933333 |
| 8 | 5 | 65062578 | G>A | 0 | 0.333333333 | 0 | 0 |
| 9 | 5 | 65062579 | A>G | 0 | 0.333333333 | 0 | 0 |
| 10 | 5 | 65936508 | C>T | 0 | 0.385 | 0 | 0 |
| 11 | 5 | 66049964 | C>T | 0 | 0 | 0.463333333 | 0 |
| 12 | 5 | 66076217 | A>G | 0 | 0 | 0 | 0 |
| 13 | 5 | 66119611 | T>C | 0 | 0 | 0 | 0 |
| 14 | 5 | 66141183 | A>G | 0 | 0.366666667 | 0.45 | 0 |
| 15 | 5 | 66141481 | T>G | 0 | 0 | 0 | 0.4 |
| 16 | 5 | 66291903 | T>C | 0 | 0 | 0 | 0 |
| 17 | 5 | 66483888 | T>C | 0 | 0.306666667 | 0 | 0 |
| 18 | 5 | 68419756 | A>T | 0 | 0 | 0 | 0 |
| 19 | 5 | 68536733 | T>C | 0 | 0.32 | 0 | 0 |
| 20 | 5 | 68542254 | A>G | 0 | 0 | 0.438333333 | 0 |
| 21 | 5 | 68600483 | T>C | 0 | 0.323333333 | 0 | 0 |
| 22 | 5 | 68679466 | A>C | 0 | 0.345 | 0 | 0 |
| 23 | 5 | 68707001 | C>G | 0 | 0.333333333 | 0 | 0 |
| 24 | 5 | 68726519 | T>C | 0 | 0 | 0 | 0 |
| 25 | 5 | 70755091 | C>T | 0 | 0 | 0 | 0 |
| 26 | 5 | 70768096 | A>T | 0 | 0 | 0 | 0 |
| 27 | 5 | 70791795 | C>T | 0 | 0.37 | 0 | 0 |
| 28 | 5 | 70859478 | G>A | 0 | 0 | 0 | 0.6333333 |
| 29 | 5 | 70899035 | G>C | 0 | 0 | 0 | 0 |
| 30 | 5 | 71438874 | G>A | 0 | 0.316666667 | 0 | 0 |
| 31 | 5 | 71570096 | G>A | 0 | 0.313333333 | 0 | 0 |
| 32 | 5 | 71637666 | G>A | 0 | 0 | 0 | 0.4766667 |
| 33 | 5 | 72121439 | A>G | 0 | 0.625 | 0 | 0.3333333 |
| 34 | 5 | 72179815 | G>A | 0 | 0.476666667 | 0 | 0 |
| 35 | 5 | 72190045 | G>T | 0 | 0.476666667 | 0 | 0 |
| 36 | 5 | 72267338 | A>G | 0 | 0.351666667 | 0 | 0 |
| 37 | 5 | 72273710 | T>C | 0 | 0 | 0 | 0 |
| 38 | 5 | 72276802 | C>A | 0 | 0.455 | 0 | 0 |
| 39 | 5 | 72872150 | T>C | 0 | 0.416666667 | 0 | 0 |
| 40 | 5 | 72952791 | G>C | 0 | 0 | 0 | 0 |
| 41 | 5 | 73038431 | T>C | 0 | 0 | 0.313333333 | 0 |
| 42 | 5 | 73061748 | T>C | 0 | 0 | 0 | 0 |
| 43 | 5 | 73094744 | T>C | 0 | 0.37 | 0 | 0 |
| 44 | 5 | 73138529 | T>C | 0 | 0.445 | 0 | 0 |
| 45 | 5 | 73151333 | A>G | 0 | 0.361666667 | 0 | 0.4166667 |
| 46 | 5 | 73151355 | C>A | 0 | 0.611666667 | 0 | 0 |
| 47 | 5 | 73165658 | G>A | 0 | 0 | 0 | 0.8633333 |
| 48 | 5 | 74105168 | T>C | 0 | 0 | 0 | 0.8633333 |
| 49 | 5 | 74396787 | T>C | 0 | 0 | 0 | 0.98 |
| 50 | 5 | 74429293 | A>C | 0 | 0.438333333 | 0 | 0.3166667 |
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|---|----------|-----|---|-------------|---|------------|
| 5 | 74474421 | G>A | 0 | 0 | 0 | 0 |
| 5 | 74475328 | G>A | 0 | 0 | 0 | 0 |
| 5 | 74652001 | T>A | 0 | 0 | 0 | 0.3966667 |
| 5 | 74822626 | G>A | 0 | 0.476666667 | 0 | 0 |
| 5 | 74857370 | A>C | 0 | 0 | 0 | 0 |
| 5 | 74858197 | A>T | 0 | 0 | 0 | 1 |
| 5 | 75480717 | T>C | 0 | 0.391666667 | 0 | 0.33333333 |
| 5 | 75559224 | A>G | 0 | 0 | 0 | 0.6066667 |
| 5 | 75608278 | G>A | 0 | 0.416666667 | 0 | 0 |
| 5 | 75614167 | T>C | 0 | 0.303333333 | 0 | 0 |
| 5 | 75614168 | G>A | 0 | 0.303333333 | 0 | 0 |
| 5 | 75615526 | G>A | 0 | 0.641666667 | 0 | 0 |
| 5 | 75618444 | T>C | 0 | 0 | 0 | 0 |
| 5 | 75704886 | A>G | 0 | 0.555 | 0 | 0.5566667 |
| 5 | 75719360 | C>A | 0 | 0 | 0 | 0 |
| 5 | 76014319 | G>A | 0 | 0 | 0 | 0 |
| 5 | 76025830 | A>G | 0 | 0.333333333 | 0 | 0 |
| 5 | 76678727 | A>G | 0 | 0 | 0 | 1 |
| 5 | 76741368 | A>G | 0 | 0.37 | 0 | 0 |
| 5 | 76767682 | A>G | 0 | 0 | 0 | 0.3333333 |
| 5 | 76770217 | T>A | 0 | 0.476666667 | 0 | 0.4766667 |
| 5 | 77016433 | G>T | 0 | 0.333333333 | 0 | 0 |
| 5 | 77034462 | T>C | 0 | 0.333333333 | 0 | 0 |
| 5 | 77034463 | G>A | 0 | 0.333333333 | 0 | 0 |
| 5 | 77366696 | T>C | 0 | 0 | 0 | 0 |
| 5 | 77366697 | G>A | 0 | 0 | 0 | 0 |
| 5 | 77416720 | C>T | 0 | 0 | 0 | 0.58 |
| 5 | 77418780 | T>G | 0 | 0 | 0 | 0.4766667 |
| 5 | 77419087 | A>T | 0 | 0 | 0 | 0.6066667 |
| 5 | 77469017 | A>G | 0 | 0.73 | 0 | 0 |
| 5 | 77491523 | T>A | 0 | 0 | 0 | 0.5566667 |
| 5 | 77528799 | A>G | 0 | 0 | 0 | 1 |
| 5 | 77576983 | G>A | 0 | 0.445 | 0 | 0 |
| 5 | 77799276 | C>T | 0 | 0 | 0 | 0.31 |
| 5 | 77808777 | G>C | 0 | 0.758333333 | 0 | 0.5433333 |
| 5 | 77876979 | G>A | 0 | 0 | 0 | 0 |
| 5 | 78146102 | G>A | 0 | 0 | 0 | 1 |
| 5 | 78147931 | A>G | 0 | 0.313333333 | 0 | 0.4166667 |
| 5 | 78188154 | C>T | 0 | 0.5 | 0 | 0 |
| 5 | 78236633 | G>A | 0 | 0 | 0 | 0 |
| 5 | 78239004 | C>T | 0 | 0 | 0 | 0 |
| 5 | 78240631 | T>C | 0 | 0 | 0 | 0.62 |
| 5 | 78263341 | T>C | 0 | 0 | 0 | 0 |
| 5 | 78264381 | T>C | 0 | 0 | 0 | 0 |
| 5 | 78326366 | A>G | 0 | 0 | 0 | 0.3866667 |
| 5 | 78326367 | A>G | 0 | 0 | 0 | 0.3633333 |
| 5 | 78358665 | T>C | 0 | 0.588333333 | 0 | 0 |
| 5 | 78421084 | T>G | 0 | 0.416666667 | 0 | 0 |
| 5 | 78706206 | A>T | 0 | 0.625 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 5 | 78726702 | A>G | 0 | 0 | 0.3033333333 | 0 |
| 3 | 5 | 78972243 | G>A | 0 | 0.6516666667 | 0 | 0 |
| 4 | 5 | 79060474 | T>C | 0 | 0.5 | 0 | 0 |
| 5 | 5 | 79063471 | A>T | 0 | 0 | 0 | 0.75666667 |
| 6 | 5 | 79350556 | C>G | 0 | 0 | 0 | 0.62666667 |
| 7 | 5 | 79453093 | A>G | 0 | 0.7016666667 | 0 | 0 |
| 8 | 5 | 79490873 | G>T | 0 | 0 | 0 | 0.66666667 |
| 9 | 5 | 79514098 | G>A | 0 | 0 | 0 | 0.54333333 |
| 10 | 5 | 79548122 | A>T | 0 | 0.445 | 0 | 0 |
| 11 | 5 | 79717496 | G>A | 0 | 0 | 0 | 0.47666667 |
| 12 | 5 | 79789504 | A>G | 0 | 0.5 | 0 | 0 |
| 13 | 5 | 79826445 | T>C | 0 | 0 | 0 | 0.32333333 |
| 14 | 5 | 80036755 | G>A | 0 | 0 | 0 | 0 |
| 15 | 5 | 80113994 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 16 | 5 | 80131532 | G>A | 0 | 0 | 0 | 0 |
| 17 | 5 | 80142982 | G>A | 0 | 0 | 0 | 0 |
| 18 | 5 | 80290849 | A>G | 0 | 0 | 0 | 0.54 |
| 19 | 5 | 80351342 | A>G | 0 | 0.3516666667 | 0 | 0.32666667 |
| 20 | 5 | 80448105 | A>G | 0 | 0 | 0.3333333333 | 0.41666667 |
| 21 | 5 | 80456287 | A>G | 0 | 0.5133333333 | 0 | 0 |
| 22 | 5 | 80462147 | C>T | 0 | 0 | 0 | 0 |
| 23 | 5 | 80462184 | T>A | 0 | 0 | 0 | 0 |
| 24 | 5 | 80539619 | G>C | 0 | 0 | 0 | 0 |
| 25 | 5 | 80555972 | T>G | 0 | 0.3333333333 | 0 | 0.37 |
| 26 | 5 | 80555974 | A>T | 0 | 0.3333333333 | 0 | 0 |
| 27 | 5 | 80664018 | A>G | 0 | 0 | 0 | 1 |
| 28 | 5 | 80670995 | C>G | 0 | 0.37 | 0 | 0 |
| 29 | 5 | 80671982 | T>C | 0 | 0 | 0 | 0.66666667 |
| 30 | 5 | 80672962 | A>G | 0 | 0 | 0 | 0 |
| 31 | 5 | 80720041 | G>A | 0 | 0 | 0 | 0 |
| 32 | 5 | 80792189 | A>G | 0 | 0.37 | 0 | 0 |
| 33 | 5 | 80835754 | C>T | 0 | 0 | 0 | 0.55666667 |
| 34 | 5 | 80925074 | A>G | 0 | 0 | 0 | 0.31 |
| 35 | 5 | 80955185 | T>C | 0 | 0 | 0 | 0 |
| 36 | 5 | 80955186 | T>C | 0 | 0 | 0 | 0 |
| 37 | 5 | 81284506 | A>G | 0 | 0 | 0 | 0.30333333 |
| 38 | 5 | 81310207 | A>G | 0 | 0.3733333333 | 0 | 0 |
| 39 | 5 | 81376274 | A>G | 0 | 0 | 0 | 1 |
| 40 | 5 | 81377786 | A>G | 0 | 0.3033333333 | 0 | 0.45333333 |
| 41 | 5 | 81380795 | G>T | 0 | 0 | 0 | 0 |
| 42 | 5 | 81394695 | C>T | 0 | 0.5 | 0 | 0 |
| 43 | 5 | 81588370 | T>A | 0 | 0 | 0 | 0 |
| 44 | 5 | 82376083 | T>C | 0 | 0 | 0 | 0 |
| 45 | 5 | 82427746 | C>T | 0 | 0 | 0 | 0 |
| 46 | 5 | 82485632 | T>C | 0 | 0.5133333333 | 0 | 0.31333333 |
| 47 | 5 | 82938892 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 48 | 5 | 83351989 | T>C | 0 | 0.5266666667 | 0 | 0 |
| 49 | 5 | 83612788 | A>T | 0 | 0.3133333333 | 0.3883333333 | 0 |
| 50 | 5 | 86512921 | C>T | 0 | 0 | 0 | 0.38333333 |
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|---|----------|-----|---|-------------|-------------|------------|
| 5 | 86677799 | T>C | 0 | 0.416666667 | 0 | 0 |
| 5 | 86691553 | G>A | 0 | 0.908333333 | 0 | 0 |
| 5 | 88092093 | C>T | 0 | 0 | 0 | 0 |
| 5 | 89771807 | C>T | 0 | 0.313333333 | 0 | 0 |
| 5 | 89888968 | T>C | 0 | 0.303333333 | 0 | 0.53333333 |
| 5 | 89888988 | G>A | 0 | 0.513333333 | 0 | 0 |
| 5 | 89896352 | G>T | 0 | 0.455 | 0 | 0 |
| 5 | 90039540 | T>G | 0 | 0 | 0 | 0 |
| 5 | 90080743 | C>G | 0 | 0 | 0 | 0 |
| 5 | 90081158 | G>A | 0 | 0.391666667 | 0 | 0.34333333 |
| 5 | 90092729 | G>A | 0 | 0 | 0 | 0.89 |
| 5 | 90118842 | C>T | 0 | 0.333333333 | 0 | 0.6066667 |
| 5 | 90222690 | T>G | 0 | 0 | 0.385 | 0.6666667 |
| 5 | 90270216 | T>C | 0 | 0 | 0.32 | 0 |
| 5 | 90322697 | A>G | 0 | 0.403333333 | 0 | 0 |
| 5 | 92981177 | A>G | 0 | 0.666666667 | 0 | 0 |
| 5 | 92983623 | C>T | 0 | 0.445 | 0 | 0 |
| 5 | 93027414 | C>T | 0 | 0 | 0 | 0 |
| 5 | 93098686 | C>A | 0 | 0 | 0 | 0.4766667 |
| 5 | 93100550 | G>C | 0 | 0.416666667 | 0 | 0.70333333 |
| 5 | 93100571 | T>C | 0 | 0 | 0 | 0.5566667 |
| 5 | 93100601 | T>C | 0 | 0 | 0 | 0.38333333 |
| 5 | 93164033 | G>C | 0 | 0 | 0 | 0 |
| 5 | 93236154 | G>T | 0 | 0 | 0 | 0 |
| 5 | 93268814 | T>C | 0 | 0 | 0 | 0.46 |
| 5 | 93886419 | T>C | 0 | 0.396666667 | 0 | 0 |
| 5 | 93923873 | G>C | 0 | 0 | 0 | 0 |
| 5 | 93924209 | A>G | 0 | 0 | 0 | 0 |
| 5 | 93946074 | T>C | 0 | 0 | 0 | 0.34333333 |
| 5 | 94159410 | T>C | 0 | 0 | 0 | 0 |
| 5 | 94163126 | C>T | 0 | 0.463333333 | 0 | 0 |
| 5 | 94293548 | T>A | 0 | 0.49 | 0 | 0 |
| 5 | 94409593 | A>G | 0 | 0 | 0 | 0.4766667 |
| 5 | 94505274 | A>C | 0 | 0.313333333 | 0 | 0.4766667 |
| 5 | 94507278 | G>A | 0 | 0 | 0.346666667 | 0 |
| 5 | 94512237 | A>G | 0 | 0 | 0 | 0 |
| 5 | 94547199 | A>G | 0 | 0 | 0 | 0 |
| 5 | 94549851 | A>T | 0 | 0 | 0 | 0 |
| 5 | 94581789 | C>A | 0 | 0.445 | 0 | 0.4166667 |
| 5 | 94583269 | G>T | 0 | 0 | 0 | 0 |
| 5 | 94584454 | C>T | 0 | 0.32 | 0 | 0 |
| 5 | 94606407 | G>C | 0 | 0 | 0 | 0 |
| 5 | 94800919 | G>C | 0 | 0.37 | 0 | 0.6466667 |
| 5 | 94912125 | T>A | 0 | 0.351666667 | 0 | 0 |
| 5 | 95003490 | C>A | 0 | 0.606666667 | 0 | 0 |
| 5 | 95119086 | C>A | 0 | 0.32 | 0 | 0.69 |
| 5 | 96043171 | G>A | 0 | 0 | 0 | 0.7566667 |
| 5 | 96203528 | T>G | 0 | 0.438333333 | 0 | 0 |
| 5 | 96212782 | G>A | 0 | 0.476666667 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 5 | 96214754 | C>A | 0 | 0 | 0 | 0 |
| 3 | 5 | 96430508 | T>G | 0 | 0 | 0 | 0 |
| 4 | 5 | 98112670 | A>G | 0 | 0.351666667 | 0 | 0 |
| 5 | 5 | 98220900 | G>A | 0 | 0 | 0 | 0 |
| 6 | 5 | 98231268 | G>C | 0 | 0.513333333 | 0 | 0 |
| 7 | 5 | 99891796 | C>T | 0 | 0 | 0 | 0.4166667 |
| 8 | 5 | 1E+08 | G>C | 0 | 0.513333333 | 0 | 0 |
| 9 | 5 | 1.02E+08 | A>G | 0 | 0 | 0 | 0.43 |
| 10 | 5 | 1.02E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 11 | 5 | 1.02E+08 | C>T | 0 | 0 | 0 | 0.4033333 |
| 12 | 5 | 1.02E+08 | G>C | 0 | 0 | 0 | 0 |
| 13 | 5 | 1.02E+08 | G>C | 0 | 0 | 0 | 0 |
| 14 | 5 | 1.07E+08 | A>G | 0 | 0 | 0 | 0 |
| 15 | 5 | 1.07E+08 | A>G | 0 | 0 | 0 | 0 |
| 16 | 5 | 1.07E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 5 | 1.07E+08 | T>G | 0 | 0 | 0 | 0 |
| 18 | 5 | 1.07E+08 | T>C | 0 | 0 | 0 | 0 |
| 19 | 5 | 1.07E+08 | G>T | 0 | 0 | 0 | 0 |
| 20 | 5 | 1.07E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 21 | 5 | 1.08E+08 | G>C | 0 | 0 | 0 | 0 |
| 22 | 5 | 1.08E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 23 | 5 | 1.08E+08 | T>A | 0 | 0.313333333 | 0 | 0 |
| 24 | 5 | 1.08E+08 | G>A | 0 | 0.343333333 | 0 | 0 |
| 25 | 5 | 1.08E+08 | T>C | 0 | 0 | 0 | 0 |
| 26 | 5 | 1.08E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 27 | 5 | 1.09E+08 | G>T | 0 | 0 | 0 | 0 |
| 28 | 5 | 1.09E+08 | T>C | 0 | 0 | 0 | 0 |
| 29 | 5 | 1.09E+08 | G>T | 0 | 0.445 | 0 | 0 |
| 30 | 5 | 1.1E+08 | G>C | 0 | 0.378333333 | 0 | 0 |
| 31 | 5 | 1.1E+08 | G>A | 0 | 0 | 0 | 0 |
| 32 | 5 | 1.1E+08 | G>A | 0 | 0 | 0 | 0 |
| 33 | 5 | 1.1E+08 | A>C | 0 | 0 | 0 | 0.5266667 |
| 34 | 5 | 1.11E+08 | G>C | 0 | 0.356666667 | 0 | 0.4933333 |
| 35 | 5 | 1.11E+08 | A>T | 0 | 0.356666667 | 0 | 0 |
| 36 | 5 | 1.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 5 | 1.11E+08 | T>C | 0 | 0 | 0.391666667 | 0.5566667 |
| 38 | 5 | 1.11E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 39 | 5 | 1.12E+08 | A>G | 0 | 0 | 0 | 0.52 |
| 40 | 5 | 1.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 5 | 1.12E+08 | A>G | 0 | 0 | 0 | 0 |
| 42 | 5 | 1.12E+08 | A>T | 0 | 0 | 0 | 0 |
| 43 | 5 | 1.12E+08 | T>C | 0 | 0 | 0.406666667 | 0 |
| 44 | 5 | 1.12E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 45 | 5 | 1.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 46 | 5 | 1.12E+08 | A>C | 0 | 0 | 0 | 0.37 |
| 47 | 5 | 1.12E+08 | A>G | 0 | 0 | 0 | 0 |
| 48 | 5 | 1.12E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 5 | 1.13E+08 | T>A | 0 | 0 | 0 | 0.6666667 |
| 50 | 5 | 1.13E+08 | G>A | 0 | 0.308333333 | 0 | 0 |
| 51 | 5 | 1.13E+08 | T>C | 0 | 0 | 0 | 0 |
| 52 | 5 | 1.14E+08 | G>T | 0 | 0.606666667 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 5 | 1.14E+08 | A>G | 0 | 0.37 | 0.385 | 0 |
| 3 | 5 | 1.15E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 4 | 5 | 1.15E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 5 | 5 | 1.15E+08 | C>T | 0 | 0.438333333 | 0 | 0 |
| 6 | 5 | 1.15E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 7 | 5 | 1.15E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 8 | 5 | 1.15E+08 | G>T | 0 | 0 | 0 | 0.4766667 |
| 9 | 5 | 1.16E+08 | A>C | 0 | 0 | 0 | 0 |
| 10 | 5 | 1.16E+08 | A>T | 0 | 0 | 0 | 0 |
| 11 | 5 | 1.16E+08 | G>T | 0 | 0 | 0 | 0 |
| 12 | 5 | 1.18E+08 | A>G | 0 | 0 | 0 | 0 |
| 13 | 5 | 1.18E+08 | C>A | 0 | 0 | 0 | 0 |
| 14 | 5 | 1.18E+08 | T>C | 0 | 0 | 0 | 0 |
| 15 | 5 | 1.18E+08 | T>C | 0 | 0.455 | 0 | 0.3333333 |
| 16 | 5 | 1.18E+08 | G>C | 0 | 0 | 0 | 0.46 |
| 17 | 5 | 1.18E+08 | G>C | 0 | 0.416666667 | 0 | 0 |
| 18 | 5 | 1.19E+08 | T>C | 0 | 0 | 0 | 0.3566667 |
| 19 | 5 | 1.21E+08 | G>A | 0 | 0 | 0 | 0 |
| 20 | 5 | 1.21E+08 | G>A | 0 | 0 | 0 | 0.5866667 |
| 21 | 5 | 1.22E+08 | T>C | 0 | 0.333333333 | 0 | 0.3233333 |
| 22 | 5 | 1.22E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 23 | 5 | 1.22E+08 | C>A | 0 | 0 | 0 | 0 |
| 24 | 5 | 1.22E+08 | C>G | 0 | 0 | 0 | 0 |
| 25 | 5 | 1.22E+08 | G>A | 0 | 0 | 0 | 0 |
| 26 | 5 | 1.24E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 27 | 5 | 1.24E+08 | A>C | 0 | 0.555 | 0.388333333 | 0.3933333 |
| 28 | 5 | 1.26E+08 | G>A | 0 | 0 | 0 | 0 |
| 29 | 5 | 1.26E+08 | T>C | 0 | 0 | 0.333333333 | 0 |
| 30 | 5 | 1.26E+08 | T>A | 0 | 0 | 0 | 0 |
| 31 | 5 | 1.26E+08 | C>A | 0 | 0 | 0 | 0 |
| 32 | 5 | 1.26E+08 | G>A | 0 | 0.438333333 | 0 | 0.37 |
| 33 | 5 | 1.26E+08 | C>G | 0 | 0.555 | 0 | 0 |
| 34 | 5 | 1.26E+08 | T>C | 0 | 0.401666667 | 0 | 0.43 |
| 35 | 5 | 1.27E+08 | A>G | 0 | 0 | 0 | 0.98 |
| 36 | 5 | 1.27E+08 | C>T | 0 | 0 | 0 | 0 |
| 37 | 5 | 1.28E+08 | C>T | 0 | 0 | 0 | 0.6666667 |
| 38 | 5 | 1.28E+08 | A>T | 0 | 0 | 0 | 0.6166667 |
| 39 | 5 | 1.28E+08 | G>A | 0 | 0.313333333 | 0 | 0 |
| 40 | 5 | 1.28E+08 | A>G | 0 | 0 | 0 | 0 |
| 41 | 5 | 1.28E+08 | C>A | 0 | 0 | 0 | 0.3133333 |
| 42 | 5 | 1.28E+08 | A>T | 0 | 0 | 0 | 0.4933333 |
| 43 | 5 | 1.29E+08 | T>C | 0 | 0 | 0 | 0 |
| 44 | 5 | 1.29E+08 | A>T | 0 | 0 | 0 | 0.3033333 |
| 45 | 5 | 1.29E+08 | G>A | 0 | 0.361666667 | 0 | 0 |
| 46 | 5 | 1.29E+08 | T>C | 0 | 0 | 0 | 0 |
| 47 | 5 | 1.29E+08 | G>A | 0 | 0.513333333 | 0 | 0 |
| 48 | 5 | 1.29E+08 | T>C | 0 | 0 | 0 | 1 |
| 49 | 5 | 1.29E+08 | T>C | 0 | 0 | 0.351666667 | 0 |
| 50 | 5 | 1.29E+08 | G>A | 0 | 0.5 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 5 | 1.3E+08 | G>C | 0 | 0.476666667 | 0 | 0 |
| 3 | 5 | 1.31E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 4 | 5 | 1.31E+08 | C>A | 0 | 0 | 0 | 0 |
| 5 | 5 | 1.31E+08 | C>A | 0 | 0 | 0 | 0.4766667 |
| 6 | 5 | 1.31E+08 | A>T | 0 | 0 | 0 | 0 |
| 7 | 5 | 1.31E+08 | T>C | 0 | 0.346666667 | 0 | 0.3833333 |
| 8 | 5 | 1.31E+08 | C>T | 0 | 0.401666667 | 0 | 0 |
| 9 | 5 | 1.31E+08 | A>G | 0 | 0.625 | 0 | 0 |
| 10 | 5 | 1.31E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 11 | 5 | 1.31E+08 | T>C | 0 | 0 | 0 | 0.38 |
| 12 | 5 | 1.31E+08 | G>T | 0 | 0 | 0 | 0 |
| 13 | 5 | 1.31E+08 | T>G | 0 | 0.455 | 0 | 0 |
| 14 | 5 | 1.31E+08 | G>T | 0 | 0 | 0 | 0 |
| 15 | 5 | 1.32E+08 | C>G | 0 | 0 | 0 | 0.6666667 |
| 16 | 5 | 1.32E+08 | C>A | 0 | 0.37 | 0 | 0 |
| 17 | 5 | 1.32E+08 | G>T | 0 | 0 | 0 | 0 |
| 18 | 5 | 1.32E+08 | T>C | 0 | 0 | 0 | 0 |
| 19 | 5 | 1.32E+08 | G>T | 0 | 0.46 | 0 | 0 |
| 20 | 5 | 1.32E+08 | T>C | 0 | 0 | 0 | 0 |
| 21 | 5 | 1.32E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 22 | 5 | 1.32E+08 | A>C | 0 | 0 | 0 | 0 |
| 23 | 5 | 1.32E+08 | G>A | 0 | 0.345 | 0 | 0 |
| 24 | 5 | 1.32E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 25 | 5 | 1.32E+08 | T>G | 0 | 0 | 0 | 0.4266667 |
| 26 | 5 | 1.33E+08 | T>C | 0 | 0 | 0 | 0 |
| 27 | 5 | 1.33E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 28 | 5 | 1.33E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 29 | 5 | 1.33E+08 | T>C | 0 | 0 | 0 | 0.6533333 |
| 30 | 5 | 1.33E+08 | G>A | 0 | 0 | 0 | 0.3833333 |
| 31 | 5 | 1.33E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 32 | 5 | 1.34E+08 | C>T | 0 | 0.361666667 | 0 | 0 |
| 33 | 5 | 1.34E+08 | T>G | 0 | 0 | 0 | 0 |
| 34 | 5 | 1.34E+08 | A>G | 0 | 0.356666667 | 0 | 0 |
| 35 | 5 | 1.34E+08 | C>T | 0 | 0 | 0 | 0 |
| 36 | 5 | 1.34E+08 | A>G | 0 | 0.391666667 | 0 | 0 |
| 37 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 38 | 5 | 1.34E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 5 | 1.34E+08 | C>A | 0 | 0 | 0 | 0 |
| 40 | 5 | 1.34E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 41 | 5 | 1.34E+08 | A>G | 0 | 0 | 0 | 0.73 |
| 42 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0.3233333 |
| 43 | 5 | 1.34E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 44 | 5 | 1.34E+08 | T>C | 0 | 0.303333333 | 0.361666667 | 0.3033333 |
| 45 | 5 | 1.34E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 46 | 5 | 1.34E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 47 | 5 | 1.34E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 48 | 5 | 1.34E+08 | C>A | 0 | 0 | 0 | 0 |
| 49 | 5 | 1.34E+08 | G>A | 0 | 0 | 0 | 0 |
| 50 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 51 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 52 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 53 | 5 | 1.34E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 54 | 5 | 1.34E+08 | C>A | 0 | 0 | 0 | 0 |
| 55 | 5 | 1.34E+08 | G>A | 0 | 0 | 0 | 0 |
| 56 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 57 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 58 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 59 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 60 | 5 | 1.34E+08 | T>C | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|--------------|-------|------------|
| 1 | | | | | | | |
| 2 | 5 | 1.34E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 3 | 5 | 1.34E+08 | G>A | 0 | 0 | 0 | 0 |
| 4 | 5 | 1.35E+08 | G>A | 0 | 0 | 0 | 0 |
| 5 | 5 | 1.35E+08 | G>T | 0 | 0 | 0 | 0 |
| 6 | 5 | 1.35E+08 | G>T | 0 | 0 | 0 | 0 |
| 7 | 5 | 1.35E+08 | G>T | 0 | 0 | 0 | 0 |
| 8 | 5 | 1.35E+08 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 9 | 5 | 1.35E+08 | A>G | 0 | 0 | 0 | 0 |
| 10 | 5 | 1.36E+08 | G>A | 0 | 0 | 0 | 0.39333333 |
| 11 | 5 | 1.37E+08 | A>T | 0 | 0.455 | 0 | 0 |
| 12 | 5 | 1.37E+08 | T>A | 0 | 0.625 | 0 | 0.30333333 |
| 13 | 5 | 1.37E+08 | G>A | 0 | 0 | 0 | 0.38 |
| 14 | 5 | 1.37E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 15 | 5 | 1.37E+08 | C>T | 0 | 0 | 0 | 0.9266667 |
| 16 | 5 | 1.37E+08 | A>C | 0 | 0 | 0 | 0.44333333 |
| 17 | 5 | 1.38E+08 | T>G | 0 | 0 | 0 | 0.5966667 |
| 18 | 5 | 1.38E+08 | C>T | 0 | 0 | 0 | 0.51333333 |
| 19 | 5 | 1.38E+08 | C>T | 0 | 0.385 | 0 | 0.83333333 |
| 20 | 5 | 1.38E+08 | T>C | 0 | 0.555 | 0.445 | 0.3166667 |
| 21 | 5 | 1.38E+08 | T>G | 0 | 0 | 0 | 0 |
| 22 | 5 | 1.38E+08 | T>C | 0 | 0 | 0 | 0 |
| 23 | 5 | 1.38E+08 | G>A | 0 | 0 | 0 | 0 |
| 24 | 5 | 1.38E+08 | A>C | 0 | 0 | 0 | 0.5866667 |
| 25 | 5 | 1.38E+08 | A>C | 0 | 0 | 0 | 0 |
| 26 | 5 | 1.38E+08 | A>T | 0 | 0.5133333333 | 0 | 0 |
| 27 | 5 | 1.38E+08 | T>C | 0 | 0 | 0 | 0.46 |
| 28 | 5 | 1.38E+08 | T>A | 0 | 0 | 0 | 0.37 |
| 29 | 5 | 1.38E+08 | T>C | 0 | 0.5883333333 | 0 | 0 |
| 30 | 5 | 1.38E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 31 | 5 | 1.38E+08 | A>G | 0 | 0 | 0 | 0.91 |
| 32 | 5 | 1.38E+08 | C>T | 0 | 0 | 0 | 0 |
| 33 | 5 | 1.38E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 34 | 5 | 1.39E+08 | T>C | 0 | 0.455 | 0 | 0.35 |
| 35 | 5 | 1.39E+08 | G>A | 0 | 0.666666667 | 0 | 0 |
| 36 | 5 | 1.39E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 37 | 5 | 1.39E+08 | T>C | 0 | 0.46 | 0 | 0 |
| 38 | 5 | 1.39E+08 | C>G | 0 | 0.345 | 0 | 0.46333333 |
| 39 | 5 | 1.39E+08 | T>C | 0 | 0 | 0 | 0 |
| 40 | 5 | 1.39E+08 | T>C | 0 | 0.606666667 | 0 | 0 |
| 41 | 5 | 1.39E+08 | A>G | 0 | 0 | 0 | 0.32333333 |
| 42 | 5 | 1.39E+08 | A>C | 0 | 0.37 | 0 | 0 |
| 43 | 5 | 1.4E+08 | A>G | 0 | 0.4633333333 | 0 | 0.49333333 |
| 44 | 5 | 1.4E+08 | G>T | 0 | 0 | 0 | 0.6066667 |
| 45 | 5 | 1.4E+08 | G>A | 0 | 0.356666667 | 0 | 0 |
| 46 | 5 | 1.4E+08 | C>G | 0 | 0.666666667 | 0 | 0 |
| 47 | 5 | 1.4E+08 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 48 | 5 | 1.4E+08 | A>G | 0 | 0 | 0 | 0 |
| 49 | 5 | 1.4E+08 | T>C | 0 | 0.4483333333 | 0 | 0.34333333 |
| 50 | 5 | 1.4E+08 | T>C | 0 | 0.391666667 | 0 | 0.3866667 |
| 51 | 5 | 1.4E+08 | A>T | 0 | 0.595 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 5 | 1.41E+08 | A>T | 0 | 0 | 0 | 0 |
| 3 | 5 | 1.41E+08 | G>A | 0 | 0 | 0 | 0 |
| 4 | 5 | 1.41E+08 | T>A | 0 | 0 | 0 | 0 |
| 5 | 5 | 1.41E+08 | T>C | 0 | 0.606666667 | 0 | 0 |
| 6 | 5 | 1.41E+08 | T>C | 0 | 0 | 0 | 0.3433333 |
| 7 | 5 | 1.41E+08 | T>G | 0 | 0 | 0 | 0 |
| 8 | 5 | 1.41E+08 | G>A | 0 | 0 | 0 | 0 |
| 9 | 5 | 1.41E+08 | G>A | 0 | 0.32 | 0 | 0 |
| 10 | 5 | 1.42E+08 | T>C | 0 | 0 | 0 | 0.57 |
| 11 | 5 | 1.42E+08 | T>C | 0 | 0 | 0 | 0.5266667 |
| 12 | 5 | 1.42E+08 | T>C | 0 | 0 | 0.385 | 0 |
| 13 | 5 | 1.42E+08 | G>A | 0 | 0 | 0 | 0.3033333 |
| 14 | 5 | 1.42E+08 | T>C | 0 | 0 | 0 | 0 |
| 15 | 5 | 1.42E+08 | A>C | 0 | 0.333333333 | 0 | 0.4166667 |
| 16 | 5 | 1.42E+08 | A>G | 0 | 0.316666667 | 0 | 0 |
| 17 | 5 | 1.42E+08 | C>T | 0 | 0 | 0 | 0.5 |
| 18 | 5 | 1.42E+08 | A>G | 0 | 0.45 | 0 | 0 |
| 19 | 5 | 1.42E+08 | A>G | 0 | 0 | 0 | 0 |
| 20 | 5 | 1.44E+08 | A>G | 0 | 0.356666667 | 0 | 0.7633333 |
| 21 | 5 | 1.44E+08 | T>C | 0 | 0.476666667 | 0.445 | 0.98 |
| 22 | 5 | 1.44E+08 | A>G | 0 | 0 | 0 | 0 |
| 23 | 5 | 1.45E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 24 | 5 | 1.45E+08 | G>A | 0 | 0 | 0 | 0 |
| 25 | 5 | 1.45E+08 | A>G | 0 | 0.588333333 | 0 | 0.3233333 |
| 26 | 5 | 1.45E+08 | G>C | 0 | 0 | 0 | 0 |
| 27 | 5 | 1.45E+08 | C>T | 0 | 0 | 0 | 0 |
| 28 | 5 | 1.45E+08 | G>T | 0 | 0 | 0 | 0 |
| 29 | 5 | 1.45E+08 | T>C | 0 | 0 | 0 | 0 |
| 30 | 5 | 1.46E+08 | G>A | 0 | 0 | 0 | 0.5866667 |
| 31 | 5 | 1.46E+08 | G>C | 0 | 0.438333333 | 0 | 0.6933333 |
| 32 | 5 | 1.46E+08 | T>C | 0 | 0 | 0 | 0 |
| 33 | 5 | 1.46E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 34 | 5 | 1.46E+08 | T>A | 0 | 0 | 0 | 0 |
| 35 | 5 | 1.46E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 36 | 5 | 1.46E+08 | T>A | 0 | 0 | 0 | 0.7066667 |
| 37 | 5 | 1.46E+08 | T>A | 0 | 0 | 0 | 0.3033333 |
| 38 | 5 | 1.46E+08 | G>A | 0 | 0.365 | 0 | 0 |
| 39 | 5 | 1.46E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 40 | 5 | 1.46E+08 | T>C | 0 | 0.613333333 | 0 | 0 |
| 41 | 5 | 1.46E+08 | T>C | 0 | 0.438333333 | 0 | 0 |
| 42 | 5 | 1.46E+08 | T>G | 0 | 0 | 0 | 0.4533333 |
| 43 | 5 | 1.47E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 44 | 5 | 1.47E+08 | T>C | 0 | 0.4 | 0 | 0 |
| 45 | 5 | 1.47E+08 | C>G | 0 | 0.391666667 | 0 | 0 |
| 46 | 5 | 1.47E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 47 | 5 | 1.47E+08 | T>C | 0 | 0 | 0 | 0.5066667 |
| 48 | 5 | 1.47E+08 | A>G | 0 | 0 | 0 | 0.35 |
| 49 | 5 | 1.47E+08 | A>G | 0 | 0 | 0.378333333 | 0 |
| 50 | 5 | 1.47E+08 | T>C | 0 | 0 | 0 | 0 |
| 51 | | | | | | | |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 5 | 1.47E+08 | A>G | 0 | 0.526666667 | 0 | 0 |
| 3 | 5 | 1.48E+08 | A>T | 0 | 0 | 0 | 0 |
| 4 | 5 | 1.48E+08 | A>C | 0 | 0 | 0.476666667 | 0.37 |
| 5 | 5 | 1.48E+08 | A>T | 0 | 0 | 0 | 0.49333333 |
| 6 | 5 | 1.49E+08 | C>T | 0 | 0 | 0 | 0 |
| 7 | 5 | 1.49E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 8 | 5 | 1.49E+08 | A>G | 0 | 0.378333333 | 0 | 0 |
| 9 | 5 | 1.49E+08 | T>C | 0 | 0 | 0 | 0.39333333 |
| 10 | 5 | 1.49E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 11 | 5 | 1.49E+08 | G>A | 0 | 0 | 0 | 0 |
| 12 | 5 | 1.49E+08 | T>C | 0 | 0.648333333 | 0 | 0 |
| 13 | 5 | 1.49E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 14 | 5 | 1.49E+08 | A>C | 0 | 0 | 0 | 0 |
| 15 | 5 | 1.49E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 16 | 5 | 1.49E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 5 | 1.49E+08 | G>A | 0 | 0 | 0 | 0 |
| 18 | 5 | 1.49E+08 | T>C | 0 | 0 | 0 | 0 |
| 19 | 5 | 1.49E+08 | T>C | 0 | 0 | 0 | 0 |
| 20 | 5 | 1.49E+08 | T>C | 0 | 0 | 0 | 0 |
| 21 | 5 | 1.49E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 5 | 1.5E+08 | G>C | 0 | 0 | 0 | 0 |
| 23 | 5 | 1.5E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 24 | 5 | 1.5E+08 | C>T | 0 | 0.401666667 | 0 | 0.31 |
| 25 | 5 | 1.5E+08 | A>G | 0 | 0 | 0 | 0 |
| 26 | 5 | 1.5E+08 | T>C | 0 | 0 | 0 | 0 |
| 27 | 5 | 1.5E+08 | A>C | 0 | 0 | 0 | 0 |
| 28 | 5 | 1.5E+08 | A>G | 0 | 0.493333333 | 0 | 0 |
| 29 | 5 | 1.51E+08 | A>T | 0 | 0 | 0 | 0.32333333 |
| 30 | 5 | 1.51E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 31 | 5 | 1.51E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 32 | 5 | 1.51E+08 | G>A | 0 | 0.521666667 | 0 | 0 |
| 33 | 5 | 1.51E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 34 | 5 | 1.51E+08 | G>A | 0 | 0.351666667 | 0 | 0 |
| 35 | 5 | 1.51E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 36 | 5 | 1.51E+08 | G>A | 0 | 0 | 0 | 0.53333333 |
| 37 | 5 | 1.51E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 38 | 5 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| 39 | 5 | 1.51E+08 | T>C | 0 | 0 | 0 | 0 |
| 40 | 5 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 5 | 1.53E+08 | C>A | 0 | 0 | 0 | 0.83333333 |
| 42 | 5 | 1.53E+08 | A>G | 0 | 0.908333333 | 0 | 0 |
| 43 | 5 | 1.53E+08 | C>G | 0 | 0.361666667 | 0 | 0.4766667 |
| 44 | 5 | 1.53E+08 | T>C | 0 | 0 | 0 | 0 |
| 45 | 5 | 1.53E+08 | G>A | 0 | 0 | 0 | 0 |
| 46 | 5 | 1.53E+08 | G>A | 0 | 0 | 0 | 0 |
| 47 | 5 | 1.53E+08 | C>T | 0 | 0 | 0.333333333 | 0.38333333 |
| 48 | 5 | 1.54E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 49 | 5 | 1.54E+08 | G>A | 0 | 0 | 0 | 0 |
| 50 | 5 | 1.54E+08 | A>G | 0 | 0 | 0.356666667 | 0 |
| 51 | 5 | 1.54E+08 | T>C | 0 | 0 | 0 | 0 |
| 52 | 5 | 1.54E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 53 | 5 | 1.54E+08 | T>C | 0 | 0 | 0 | 0 |
| 54 | 5 | 1.54E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 55 | 5 | 1.54E+08 | C>T | 0 | 0 | 0 | 0.6466667 |
| 56 | 5 | 1.54E+08 | C>T | 0 | 0 | 0 | 0.6466667 |
| 57 | 5 | 1.54E+08 | C>T | 0 | 0 | 0 | 0.6466667 |
| 58 | 5 | 1.56E+08 | T>A | 0 | 0 | 0 | 0 |
| 59 | | | | | | | |
| 60 | | | | | | | |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 5 | 1.56E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 3 | 5 | 1.56E+08 | T>C | 0 | 0 | 0.385 | 0 |
| 4 | 5 | 1.56E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 5 | 5 | 1.56E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 6 | 5 | 1.56E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 7 | 5 | 1.57E+08 | C>T | 0 | 0.391666667 | 0 | 0 |
| 8 | 5 | 1.57E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 9 | 5 | 1.57E+08 | G>A | 0 | 0 | 0 | 0 |
| 10 | 5 | 1.57E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 11 | 5 | 1.57E+08 | T>C | 0 | 0 | 0 | 0.45 |
| 12 | 5 | 1.57E+08 | A>C | 0 | 0 | 0 | 0.4766667 |
| 13 | 5 | 1.57E+08 | G>C | 0 | 0.74 | 0 | 0 |
| 14 | 5 | 1.57E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 15 | 5 | 1.57E+08 | T>C | 0 | 0 | 0 | 0 |
| 16 | 5 | 1.58E+08 | T>C | 0 | 0 | 0 | 0 |
| 17 | 5 | 1.58E+08 | T>C | 0 | 0 | 0 | 0.8033333 |
| 18 | 5 | 1.59E+08 | A>G | 0 | 0 | 0 | 0 |
| 19 | 5 | 1.59E+08 | A>T | 0 | 0.476666667 | 0 | 0 |
| 20 | 5 | 1.59E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 21 | 5 | 1.59E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 22 | 5 | 1.59E+08 | T>C | 0 | 0.308333333 | 0 | 0.37 |
| 23 | 5 | 1.6E+08 | C>T | 0 | 0 | 0 | 0 |
| 24 | 5 | 1.6E+08 | A>G | 0 | 0.416666667 | 0 | 0.4066667 |
| 25 | 5 | 1.6E+08 | A>G | 0 | 0 | 0 | 0 |
| 26 | 5 | 1.6E+08 | G>T | 0 | 0 | 0 | 0 |
| 27 | 5 | 1.6E+08 | A>G | 0 | 0.345 | 0 | 0 |
| 28 | 5 | 1.6E+08 | T>C | 0 | 0 | 0 | 0 |
| 29 | 5 | 1.6E+08 | A>G | 0 | 0 | 0 | 0 |
| 30 | 5 | 1.6E+08 | C>A | 0 | 0 | 0 | 0 |
| 31 | 5 | 1.6E+08 | A>G | 0 | 0.333333333 | 0 | 0.5566667 |
| 32 | 5 | 1.6E+08 | G>A | 0 | 0 | 0 | 0 |
| 33 | 5 | 1.6E+08 | T>G | 0 | 0.416666667 | 0.316666667 | 0 |
| 34 | 5 | 1.6E+08 | C>T | 0 | 0 | 0 | 0 |
| 35 | 5 | 1.6E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 36 | 5 | 1.6E+08 | T>C | 0 | 0 | 0 | 0.7566667 |
| 37 | 5 | 1.61E+08 | T>C | 0 | 0 | 0.323333333 | 0.3866667 |
| 38 | 5 | 1.61E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 39 | 5 | 1.67E+08 | T>C | 0 | 0 | 0 | 0.6666667 |
| 40 | 5 | 1.67E+08 | T>C | 0 | 0 | 0 | 0.45 |
| 41 | 5 | 1.67E+08 | C>G | 0 | 0 | 0 | 0 |
| 42 | 5 | 1.67E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 43 | 5 | 1.67E+08 | C>A | 0 | 0 | 0 | 0.3433333 |
| 44 | 5 | 1.67E+08 | G>A | 0 | 0.651666667 | 0 | 0 |
| 45 | 5 | 1.67E+08 | A>G | 0 | 0 | 0 | 0 |
| 46 | 5 | 1.68E+08 | A>T | 0 | 0.303333333 | 0 | 0.3933333 |
| 47 | 5 | 1.68E+08 | A>G | 0 | 0 | 0 | 0.7133333 |
| 48 | 5 | 1.68E+08 | C>T | 0 | 0.308333333 | 0 | 0.6666667 |
| 49 | 5 | 1.68E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 50 | 5 | 1.68E+08 | C>T | 0 | 0.37 | 0 | 0.5566667 |
| 51 | | | | | | | |
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|---|----------|-----|---|-------------|-------------|-----------|
| 5 | 1.68E+08 | T>A | 0 | 0 | 0 | 0 |
| 5 | 1.68E+08 | A>G | 0 | 0 | 0 | 0.3033333 |
| 5 | 1.68E+08 | G>A | 0 | 0.476666667 | 0 | 0.3033333 |
| 5 | 1.68E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 5 | 1.68E+08 | G>A | 0 | 0 | 0 | 0 |
| 5 | 1.68E+08 | C>T | 0 | 0 | 0.45 | 0 |
| 5 | 1.68E+08 | A>G | 0 | 0.45 | 0 | 0.98 |
| 5 | 1.68E+08 | T>C | 0 | 0.378333333 | 0 | 0.3566667 |
| 5 | 1.68E+08 | A>C | 0 | 0 | 0 | 0.35 |
| 5 | 1.69E+08 | T>G | 0 | 0 | 0 | 0.5433333 |
| 5 | 1.69E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 5 | 1.69E+08 | C>G | 0 | 0 | 0 | 0.4766667 |
| 5 | 1.7E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 5 | 1.7E+08 | C>A | 0 | 0 | 0 | 0 |
| 5 | 1.7E+08 | G>A | 0 | 0.385 | 0 | 1 |
| 5 | 1.7E+08 | C>A | 0 | 0 | 0 | 0 |
| 5 | 1.7E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 5 | 1.7E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 1.71E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 1.71E+08 | C>A | 0 | 0.438333333 | 0 | 0 |
| 5 | 1.71E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 1.71E+08 | A>T | 0 | 0.356666667 | 0 | 0 |
| 5 | 1.71E+08 | A>G | 0 | 0.32 | 0 | 0.35 |
| 5 | 1.71E+08 | A>G | 0 | 0.385 | 0 | 0.3766667 |
| 5 | 1.71E+08 | C>G | 0 | 0.37 | 0 | 0 |
| 5 | 1.71E+08 | T>A | 0 | 0.435 | 0 | 0.37 |
| 5 | 1.71E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 5 | 1.71E+08 | T>C | 0 | 0 | 0.365 | 0 |
| 5 | 1.71E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 1.71E+08 | G>C | 0 | 0.333333333 | 0 | 0 |
| 5 | 1.71E+08 | C>T | 0 | 0 | 0 | 0 |
| 5 | 1.71E+08 | C>G | 0 | 0 | 0 | 0 |
| 5 | 1.71E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 1.72E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 1.72E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 5 | 1.72E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 5 | 1.72E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 1.72E+08 | C>A | 0 | 0.378333333 | 0 | 0 |
| 5 | 1.72E+08 | C>G | 0 | 0.555 | 0 | 0 |
| 5 | 1.72E+08 | A>G | 0 | 0.635 | 0 | 0 |
| 5 | 1.72E+08 | G>A | 0 | 0 | 0.476666667 | 0 |
| 5 | 1.72E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 5 | 1.72E+08 | C>T | 0 | 0.32 | 0 | 0.44 |
| 5 | 1.72E+08 | G>T | 0 | 0 | 0 | 0 |
| 5 | 1.72E+08 | C>G | 0 | 0 | 0 | 0 |
| 5 | 1.73E+08 | C>T | 0 | 0 | 0 | 0.87 |
| 5 | 1.73E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 5 | 1.73E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 1.73E+08 | G>C | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|------------|------------|-----------|
| 1 | | | | | | | |
| 2 | 5 | 1.73E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 5 | 1.73E+08 | A>C | 0 | 0 | 0 | 0 |
| 4 | 5 | 1.75E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 5 | 5 | 1.75E+08 | T>C | 0 | 0 | 0 | 0 |
| 6 | 5 | 1.75E+08 | A>G | 0 | 0 | 0 | 0.4433333 |
| 7 | 5 | 1.76E+08 | G>A | 0 | 0.4 | 0 | 0.4833333 |
| 8 | 5 | 1.76E+08 | G>A | 0 | 0 | 0 | 0.63 |
| 9 | 5 | 1.76E+08 | G>C | 0 | 0 | 0 | 0.4333333 |
| 10 | 5 | 1.76E+08 | G>T | 0 | 0.555 | 0 | 0 |
| 11 | 5 | 1.77E+08 | G>A | 0 | 0.66666667 | 0 | 0 |
| 12 | 5 | 1.77E+08 | T>G | 0 | 0 | 0 | 0.37 |
| 13 | 5 | 1.77E+08 | T>C | 0 | 0.36166667 | 0 | 0.6533333 |
| 14 | 5 | 1.77E+08 | T>G | 0 | 0.39666667 | 0 | 0.4066667 |
| 15 | 5 | 1.77E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 16 | 5 | 1.77E+08 | G>A | 0 | 0.58833333 | 0 | 0 |
| 17 | 5 | 1.77E+08 | C>T | 0 | 0 | 0 | 0.3966667 |
| 18 | 5 | 1.77E+08 | C>T | 0 | 0 | 0 | 0 |
| 19 | 5 | 1.77E+08 | C>T | 0 | 0 | 0 | 0.6266667 |
| 20 | 5 | 1.78E+08 | G>T | 0 | 0 | 0 | 0 |
| 21 | 5 | 1.78E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 5 | 1.78E+08 | C>A | 0 | 0.31666667 | 0 | 0 |
| 23 | 5 | 1.78E+08 | A>G | 0 | 0.47666667 | 0 | 0 |
| 24 | 5 | 1.78E+08 | T>C | 0 | 0 | 0 | 0.3033333 |
| 25 | 5 | 1.78E+08 | C>A | 0 | 0.30333333 | 0 | 0 |
| 26 | 5 | 1.78E+08 | A>G | 0 | 0.41666667 | 0 | 0 |
| 27 | 5 | 1.78E+08 | A>G | 0 | 0 | 0 | 0.5566667 |
| 28 | 5 | 1.78E+08 | A>T | 0 | 0.33333333 | 0 | 0.35 |
| 29 | 5 | 1.79E+08 | T>C | 0 | 0 | 0 | 0.3033333 |
| 30 | 5 | 1.79E+08 | G>A | 0 | 0 | 0 | 0 |
| 31 | 5 | 1.79E+08 | G>A | 0 | 0 | 0 | 0.6166667 |
| 32 | 5 | 1.79E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 33 | 5 | 1.79E+08 | T>C | 0 | 0.36166667 | 0 | 0 |
| 34 | 5 | 1.79E+08 | G>A | 0 | 0.34666667 | 0 | 0 |
| 35 | 5 | 1.79E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 36 | 5 | 1.79E+08 | A>G | 0 | 0 | 0 | 0.81 |
| 37 | 5 | 1.79E+08 | T>C | 0 | 0.39666667 | 0.51333333 | 0.3033333 |
| 38 | 5 | 1.79E+08 | T>C | 0 | 0.38833333 | 0 | 0 |
| 39 | 5 | 1.79E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 40 | 5 | 1.79E+08 | T>C | 0 | 0.33333333 | 0 | 0 |
| 41 | 5 | 1.79E+08 | A>C | 0 | 0 | 0 | 0.3133333 |
| 42 | 5 | 1.79E+08 | G>A | 0 | 0.52166667 | 0 | 0 |
| 43 | 5 | 1.79E+08 | A>G | 0 | 0 | 0 | 0 |
| 44 | 5 | 1.79E+08 | C>T | 0 | 0.35166667 | 0 | 0 |
| 45 | 5 | 1.79E+08 | T>A | 0 | 0.33333333 | 0 | 0 |
| 46 | 5 | 1.8E+08 | G>C | 0 | 0 | 0 | 0 |
| 47 | 5 | 1.8E+08 | T>C | 0 | 0.34166667 | 0 | 0 |
| 48 | 5 | 1.8E+08 | A>G | 0 | 0.40166667 | 0 | 0 |
| 49 | 5 | 1.8E+08 | A>G | 0 | 0.34666667 | 0 | 0 |
| 50 | 5 | 1.8E+08 | C>T | 0 | 0 | 0 | 0 |
| 51 | 5 | 1.8E+08 | G>A | 0 | 0 | 0 | 0 |
| 52 | 5 | 1.8E+08 | T>C | 0 | 0 | 0 | 0 |
| 53 | 5 | 1.8E+08 | T>C | 0 | 0 | 0 | 0 |
| 54 | 5 | 1.8E+08 | A>G | 0 | 0 | 0 | 0 |
| 55 | 5 | 1.8E+08 | A>G | 0 | 0 | 0 | 0 |
| 56 | 5 | 1.8E+08 | A>G | 0 | 0 | 0 | 0 |
| 57 | 5 | 1.8E+08 | C>T | 0 | 0 | 0 | 0 |
| 58 | 5 | 1.8E+08 | C>T | 0 | 0 | 0 | 0 |
| 59 | | | | | | | |
| 60 | | | | | | | |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 5 | 1.8E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 3 | 5 | 1.8E+08 | G>C | 0 | 0 | 0 | 0.5566667 |
| 4 | 6 | 606008 | A>G | 0 | 0 | 0 | 0 |
| 5 | 6 | 606244 | C>A | 0 | 0 | 0 | 0 |
| 6 | 6 | 1675391 | C>A | 0 | 0.4 | 0 | 0.35 |
| 7 | 6 | 1752978 | T>G | 0 | 0 | 0 | 0 |
| 8 | 6 | 1755356 | T>C | 0 | 0 | 0 | 0 |
| 9 | 6 | 1795158 | C>G | 0 | 0.513333333 | 0 | 0 |
| 10 | 6 | 1803020 | T>C | 0 | 0 | 0 | 0 |
| 11 | 6 | 1893595 | C>T | 0 | 0.416666667 | 0 | 0 |
| 12 | 6 | 2050924 | C>G | 0 | 0.416666667 | 0 | 0 |
| 13 | 6 | 2061091 | C>T | 0 | 0.37 | 0 | 0 |
| 14 | 6 | 2127735 | C>T | 0 | 0 | 0 | 0 |
| 15 | 6 | 2161520 | A>G | 0 | 0 | 0 | 0.58 |
| 16 | 6 | 2234794 | A>G | 0 | 0 | 0 | 1 |
| 17 | 6 | 2235205 | G>A | 0 | 0 | 0 | 0 |
| 18 | 6 | 2679261 | G>A | 0 | 0.606666667 | 0 | 0 |
| 19 | 6 | 2683756 | C>T | 0 | 0.476666667 | 0 | 0 |
| 20 | 6 | 2697268 | T>G | 0 | 0.313333333 | 0 | 0 |
| 21 | 6 | 3081933 | G>A | 0 | 0 | 0 | 0.4866667 |
| 22 | 6 | 3307422 | C>T | 0 | 0 | 0 | 0 |
| 23 | 6 | 3313992 | T>C | 0 | 0.58 | 0 | 0.4766667 |
| 24 | 6 | 3851007 | A>G | 0 | 0 | 0 | 0 |
| 25 | 6 | 4025104 | T>C | 0 | 0.37 | 0 | 0 |
| 26 | 6 | 4122678 | T>C | 0 | 0.435 | 0 | 0 |
| 27 | 6 | 5226873 | T>G | 0 | 0 | 0 | 0.5566667 |
| 28 | 6 | 5269327 | T>C | 0 | 0.333333333 | 0 | 0 |
| 29 | 6 | 5687093 | C>T | 0 | 0 | 0.555 | 0 |
| 30 | 6 | 5688785 | C>T | 0 | 0.333333333 | 0 | 0 |
| 31 | 6 | 6270225 | A>G | 0 | 0.555 | 0 | 0 |
| 32 | 6 | 6644506 | T>C | 0 | 0 | 0 | 0.3166667 |
| 33 | 6 | 7150129 | C>T | 0 | 0.356666667 | 0 | 0 |
| 34 | 6 | 7299680 | T>C | 0 | 0.416666667 | 0 | 0.5566667 |
| 35 | 6 | 7306597 | T>C | 0 | 0 | 0 | 0 |
| 36 | 6 | 7333233 | T>G | 0 | 0 | 0 | 0.4633333 |
| 37 | 6 | 7394560 | G>A | 0 | 0.381666667 | 0 | 0 |
| 38 | 6 | 7395484 | C>T | 0 | 0 | 0 | 0 |
| 39 | 6 | 7596460 | T>C | 0 | 0.351666667 | 0 | 0 |
| 40 | 6 | 7745651 | C>T | 0 | 0 | 0 | 0 |
| 41 | 6 | 7898364 | C>G | 0 | 0 | 0 | 0.44 |
| 42 | 6 | 8021764 | A>G | 0 | 0 | 0 | 0 |
| 43 | 6 | 8032965 | C>T | 0 | 0 | 0.431666667 | 0.35 |
| 44 | 6 | 8034224 | A>G | 0 | 0.43 | 0 | 0 |
| 45 | 6 | 8042101 | T>G | 0 | 0.466666667 | 0 | 0 |
| 46 | 6 | 10537866 | G>A | 0 | 0 | 0 | 0 |
| 47 | 6 | 10557472 | C>T | 0 | 0 | 0 | 0 |
| 48 | 6 | 10576373 | A>G | 0 | 0 | 0 | 0 |
| 49 | 6 | 10578412 | T>C | 0 | 0 | 0 | 0 |
| 50 | 6 | 10593240 | T>C | 0 | 0.333333333 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 6 | 10810128 | T>C | 0 | 0 | 0 | 0 |
| 3 | 6 | 10821621 | A>G | 0 | 0.416666667 | 0 | 0 |
| 4 | 6 | 10830649 | G>A | 0 | 0 | 0 | 0 |
| 5 | 6 | 10878764 | A>C | 0 | 0 | 0 | 0.4066667 |
| 6 | 6 | 10917135 | A>G | 0 | 0 | 0 | 0 |
| 7 | 6 | 10918880 | A>C | 0 | 0 | 0 | 0.4633333 |
| 8 | 6 | 10985112 | G>A | 0 | 0.391666667 | 0 | 0.3433333 |
| 9 | 6 | 11095698 | A>C | 0 | 0 | 0.365 | 0 |
| 10 | 6 | 11126368 | C>T | 0 | 0 | 0 | 0 |
| 11 | 6 | 11548437 | T>C | 0 | 0 | 0 | 0 |
| 12 | 6 | 12061284 | A>T | 0 | 0 | 0 | 0 |
| 13 | 6 | 12142404 | C>T | 0 | 0 | 0 | 0 |
| 14 | 6 | 12145401 | T>C | 0 | 0 | 0 | 0.5333333 |
| 15 | 6 | 13389182 | A>G | 0 | 0 | 0 | 0.3233333 |
| 16 | 6 | 13456604 | G>A | 0 | 0.303333333 | 0 | 0 |
| 17 | 6 | 13460152 | A>G | 0 | 0.385 | 0 | 0.5133333 |
| 18 | 6 | 13704568 | C>T | 0 | 0.455 | 0 | 0 |
| 19 | 6 | 15255055 | C>G | 0 | 0 | 0 | 0 |
| 20 | 6 | 15255569 | T>C | 0 | 0 | 0 | 0.36 |
| 21 | 6 | 15273685 | G>C | 0 | 0.391666667 | 0.37 | 0 |
| 22 | 6 | 15401156 | C>G | 0 | 0 | 0 | 0 |
| 23 | 6 | 15501473 | A>G | 0 | 0 | 0 | 0 |
| 24 | 6 | 15583451 | C>T | 0 | 0.333333333 | 0 | 0 |
| 25 | 6 | 16267551 | C>T | 0 | 0 | 0 | 0.4 |
| 26 | 6 | 16306732 | G>C | 0 | 0 | 0 | 0 |
| 27 | 6 | 16316935 | G>A | 0 | 0.666666667 | 0 | 0 |
| 28 | 6 | 16495836 | A>G | 0 | 0.385 | 0 | 0 |
| 29 | 6 | 16501771 | A>G | 0 | 0 | 0 | 0.37 |
| 30 | 6 | 16599682 | A>G | 0 | 0 | 0 | 0.6266667 |
| 31 | 6 | 16612889 | T>C | 0 | 0.416666667 | 0 | 0 |
| 32 | 6 | 16640652 | C>T | 0 | 0 | 0 | 0.3933333 |
| 33 | 6 | 17421425 | C>T | 0 | 0 | 0.396666667 | 0 |
| 34 | 6 | 17525294 | C>A | 0 | 0 | 0.345 | 0 |
| 35 | 6 | 17546846 | C>T | 0 | 0.333333333 | 0 | 0 |
| 36 | 6 | 17632468 | A>G | 0 | 0.385 | 0 | 0.3333333 |
| 37 | 6 | 17674881 | C>A | 0 | 0 | 0 | 0 |
| 38 | 6 | 17691116 | A>G | 0 | 0 | 0 | 0.3933333 |
| 39 | 6 | 17702849 | C>G | 0 | 0.476666667 | 0 | 0.6666667 |
| 40 | 6 | 17875955 | A>G | 0 | 0.555 | 0.3 | 0 |
| 41 | 6 | 17888862 | T>C | 0 | 0.555 | 0 | 0 |
| 42 | 6 | 17942376 | C>T | 0 | 0 | 0 | 0.37 |
| 43 | 6 | 18192295 | G>A | 0 | 0.313333333 | 0 | 0 |
| 44 | 6 | 18229794 | G>A | 0 | 0 | 0 | 0 |
| 45 | 6 | 18230193 | C>T | 0 | 0 | 0 | 0 |
| 46 | 6 | 18256394 | C>T | 0 | 0.303333333 | 0 | 0 |
| 47 | 6 | 18259422 | A>G | 0 | 0 | 0 | 0.4566667 |
| 48 | 6 | 20122288 | T>C | 0 | 0.416666667 | 0 | 0 |
| 49 | 6 | 20124059 | G>T | 0 | 0 | 0 | 0 |
| 50 | 6 | 20124094 | T>C | 0 | 0 | 0 | 0 |
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|---|----------|-----|---|-------------|---|------------|
| 6 | 20199996 | T>C | 0 | 0.313333333 | 0 | 0 |
| 6 | 20419817 | T>C | 0 | 0.476666667 | 0 | 0 |
| 6 | 20594781 | C>T | 0 | 0 | 0 | 0.33333333 |
| 6 | 22570034 | C>A | 0 | 0 | 0 | 0 |
| 6 | 24203627 | G>T | 0 | 0 | 0 | 0 |
| 6 | 24242988 | G>A | 0 | 0.385 | 0 | 0 |
| 6 | 24246768 | T>G | 0 | 0 | 0 | 0 |
| 6 | 24246968 | A>G | 0 | 0 | 0 | 0.83333333 |
| 6 | 24522307 | T>C | 0 | 0 | 0 | 0.43 |
| 6 | 24524424 | A>G | 0 | 0.555 | 0 | 0 |
| 6 | 24530097 | G>A | 0 | 0.37 | 0 | 0 |
| 6 | 24549336 | C>G | 0 | 0 | 0 | 0.32333333 |
| 6 | 24565709 | G>A | 0 | 0 | 0 | 0 |
| 6 | 24711755 | A>G | 0 | 0.53 | 0 | 0 |
| 6 | 24715823 | T>C | 0 | 0.666666667 | 0 | 0.33333333 |
| 6 | 24847861 | T>C | 0 | 0 | 0 | 0 |
| 6 | 25346053 | T>C | 0 | 0 | 0 | 0 |
| 6 | 25526320 | A>G | 0 | 0.32 | 0 | 0 |
| 6 | 25542007 | A>G | 0 | 0.316666667 | 0 | 0 |
| 6 | 25669122 | A>G | 0 | 0 | 0 | 0.65 |
| 6 | 25924941 | T>G | 0 | 0 | 0 | 0 |
| 6 | 25924952 | A>G | 0 | 0 | 0 | 0 |
| 6 | 26465681 | G>T | 0 | 0.391666667 | 0 | 0 |
| 6 | 26503466 | T>C | 0 | 0.695 | 0 | 0 |
| 6 | 27096111 | G>A | 0 | 0 | 0 | 0 |
| 6 | 27097813 | A>C | 0 | 0 | 0 | 0 |
| 6 | 27097825 | G>T | 0 | 0 | 0 | 0 |
| 6 | 27360311 | A>G | 0 | 0.313333333 | 0 | 0.36 |
| 6 | 27809013 | T>C | 0 | 0 | 0 | 0 |
| 6 | 28260953 | A>C | 0 | 0 | 0 | 0.3266667 |
| 6 | 28886552 | T>C | 0 | 0.346666667 | 0 | 0.65333333 |
| 6 | 28887043 | C>T | 0 | 0 | 0 | 0 |
| 6 | 29333729 | T>C | 0 | 0.588333333 | 0 | 0 |
| 6 | 29359999 | A>G | 0 | 0.333333333 | 0 | 0 |
| 6 | 29374514 | G>A | 0 | 0 | 0 | 0 |
| 6 | 29423833 | A>C | 0 | 0.606666667 | 0 | 0 |
| 6 | 30107996 | G>A | 0 | 0.555 | 0 | 0 |
| 6 | 30308802 | C>T | 0 | 0 | 0 | 0 |
| 6 | 30590883 | T>C | 0 | 0 | 0 | 0.8 |
| 6 | 30604181 | A>G | 0 | 0 | 0 | 0.5866667 |
| 6 | 30646238 | C>T | 0 | 0 | 0 | 0 |
| 6 | 30674268 | G>A | 0 | 0 | 0 | 0.54 |
| 6 | 31084163 | A>G | 0 | 0 | 0 | 0 |
| 6 | 31112506 | C>T | 0 | 0 | 0 | 0 |
| 6 | 31520330 | T>C | 0 | 0 | 0 | 0.39333333 |
| 6 | 31593098 | G>A | 0 | 0 | 0 | 0 |
| 6 | 31666979 | T>C | 0 | 0.606666667 | 0 | 0.79333333 |
| 6 | 31760785 | G>A | 0 | 0.476666667 | 0 | 0 |
| 6 | 31761056 | G>A | 0 | 0.303333333 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 6 | 31761238 | A>G | 0 | 0 | 0 | 0.49 |
| 3 | 6 | 31834418 | T>C | 0 | 0.445 | 0 | 0.78333333 |
| 4 | 6 | 31853679 | T>C | 0 | 0 | 0.496666667 | 0.77666667 |
| 5 | 6 | 31922433 | C>T | 0 | 0 | 0 | 0 |
| 6 | 6 | 32130266 | C>G | 0 | 0 | 0 | 0 |
| 7 | 6 | 32130267 | A>G | 0 | 0 | 0 | 0 |
| 8 | 6 | 32147717 | T>C | 0 | 0 | 0 | 0 |
| 9 | 6 | 32973637 | A>C | 0 | 0.521666667 | 0 | 0.75666667 |
| 10 | 6 | 33229700 | A>C | 0 | 0 | 0 | 0.66666667 |
| 11 | 6 | 33238404 | A>C | 0 | 0 | 0 | 0 |
| 12 | 6 | 33370598 | T>C | 0 | 0.333333333 | 0 | 0 |
| 13 | 6 | 33635005 | C>T | 0 | 0 | 0 | 0 |
| 14 | 6 | 34510512 | T>C | 0 | 0.303333333 | 0 | 0 |
| 15 | 6 | 34510556 | T>A | 0 | 0.378333333 | 0 | 0 |
| 16 | 6 | 34611555 | T>C | 0 | 0 | 0 | 0.30333333 |
| 17 | 6 | 34611556 | G>T | 0 | 0 | 0 | 0.30333333 |
| 18 | 6 | 34899124 | T>C | 0 | 0 | 0.326666667 | 0 |
| 19 | 6 | 34946474 | A>T | 0 | 0.555 | 0 | 0 |
| 20 | 6 | 35214497 | C>A | 0 | 0 | 0 | 0.30333333 |
| 21 | 6 | 35342172 | T>C | 0 | 0 | 0 | 0.47666667 |
| 22 | 6 | 35367347 | T>C | 0 | 0.416666667 | 0 | 0 |
| 23 | 6 | 35595820 | C>G | 0 | 0.46 | 0 | 0.60666667 |
| 24 | 6 | 35596761 | C>T | 0 | 0.435 | 0 | 0 |
| 25 | 6 | 35668478 | C>T | 0 | 0.343333333 | 0 | 0.54666667 |
| 26 | 6 | 35709708 | T>C | 0 | 0 | 0 | 0.58 |
| 27 | 6 | 35835824 | G>A | 0 | 0.313333333 | 0 | 0 |
| 28 | 6 | 35835826 | C>T | 0 | 0.313333333 | 0 | 0 |
| 29 | 6 | 35853101 | G>C | 0 | 0 | 0 | 0 |
| 30 | 6 | 35866677 | C>T | 0 | 0.313333333 | 0 | 0 |
| 31 | 6 | 35874075 | T>C | 0 | 0 | 0 | 0 |
| 32 | 6 | 35877809 | A>G | 0 | 0.666666667 | 0.303333333 | 0 |
| 33 | 6 | 35881202 | T>C | 0 | 0 | 0 | 0.63333333 |
| 34 | 6 | 35948672 | T>C | 0 | 0 | 0 | 0.47666667 |
| 35 | 6 | 36040315 | G>A | 0 | 0.513333333 | 0 | 0 |
| 36 | 6 | 36344370 | C>T | 0 | 0 | 0 | 0 |
| 37 | 6 | 36385817 | T>C | 0 | 0 | 0 | 0 |
| 38 | 6 | 36415164 | A>G | 0 | 0.356666667 | 0 | 0 |
| 39 | 6 | 36719382 | A>T | 0 | 0.303333333 | 0 | 0 |
| 40 | 6 | 36804497 | C>T | 0 | 0.513333333 | 0 | 0 |
| 41 | 6 | 36879025 | C>G | 0 | 0 | 0 | 0.70333333 |
| 42 | 6 | 37199366 | G>A | 0 | 0.666666667 | 0 | 0 |
| 43 | 6 | 37217280 | G>A | 0 | 0 | 0 | 0.39333333 |
| 44 | 6 | 37238854 | G>C | 0 | 0 | 0 | 0 |
| 45 | 6 | 37331771 | T>C | 0 | 0 | 0 | 0.47666667 |
| 46 | 6 | 37350540 | A>G | 0 | 0.308333333 | 0 | 0 |
| 47 | 6 | 37425863 | G>C | 0 | 0 | 0.323333333 | 0 |
| 48 | 6 | 37509000 | T>C | 0 | 0 | 0 | 0 |
| 49 | 6 | 37636716 | T>C | 0 | 0.448333333 | 0 | 0 |
| 50 | 6 | 37797109 | C>T | 0 | 0 | 0 | 0 |
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| 6 | 37807166 | T>C | 0 | 0.388333333 | 0 | 0 |
| 6 | 37840816 | C>T | 0 | 0.416666667 | 0 | 0 |
| 6 | 37840840 | T>C | 0 | 0 | 0 | 0.46 |
| 6 | 37859758 | C>G | 0 | 0.346666667 | 0 | 0 |
| 6 | 37884207 | A>G | 0 | 0.455 | 0 | 0 |
| 6 | 37946543 | T>C | 0 | 0 | 0 | 0 |
| 6 | 38027608 | T>C | 0 | 0 | 0 | 0.35 |
| 6 | 38116504 | C>T | 0 | 0.606666667 | 0 | 0 |
| 6 | 38121908 | C>T | 0 | 0 | 0 | 0 |
| 6 | 38155404 | G>C | 0 | 0 | 0 | 0 |
| 6 | 38259124 | A>T | 0 | 0 | 0 | 0.5566667 |
| 6 | 38261302 | C>T | 0 | 0.483333333 | 0 | 0 |
| 6 | 38299013 | C>T | 0 | 0.463333333 | 0 | 0 |
| 6 | 38377579 | A>G | 0 | 0 | 0.356666667 | 0 |
| 6 | 38514601 | T>C | 0 | 0 | 0 | 0.36 |
| 6 | 38553356 | C>G | 0 | 0.493333333 | 0 | 0 |
| 6 | 38554590 | A>G | 0 | 0 | 0 | 0 |
| 6 | 38664899 | T>C | 0 | 0.391666667 | 0 | 0.4533333 |
| 6 | 39179482 | A>G | 0 | 0 | 0 | 0 |
| 6 | 39440878 | C>T | 0 | 0.333333333 | 0 | 0 |
| 6 | 39546329 | A>G | 0 | 0 | 0 | 0.7833333 |
| 6 | 39647615 | A>G | 0 | 0 | 0 | 0.3633333 |
| 6 | 39692146 | G>A | 0 | 0.416666667 | 0 | 1 |
| 6 | 41040715 | T>G | 0 | 0 | 0 | 0 |
| 6 | 41040770 | A>G | 0 | 0 | 0 | 0 |
| 6 | 41658083 | T>G | 0 | 0.303333333 | 0.34 | 0 |
| 6 | 41741025 | T>A | 0 | 0.4 | 0 | 0.5066667 |
| 6 | 41812331 | G>A | 0 | 0 | 0 | 0 |
| 6 | 41813808 | C>T | 0 | 0.416666667 | 0 | 0 |
| 6 | 41819931 | T>C | 0 | 0.385 | 0 | 0 |
| 6 | 41825149 | A>G | 0 | 0.385 | 0 | 0 |
| 6 | 41851975 | A>C | 0 | 0 | 0 | 0 |
| 6 | 41857050 | T>C | 0 | 0.455 | 0 | 0 |
| 6 | 42019592 | C>T | 0 | 0.416666667 | 0 | 0 |
| 6 | 42043826 | C>G | 0 | 0.435 | 0 | 0 |
| 6 | 42043851 | C>T | 0 | 0 | 0 | 0 |
| 6 | 42043852 | A>G | 0 | 0 | 0 | 0 |
| 6 | 42154217 | C>G | 0 | 0 | 0 | 1 |
| 6 | 42184400 | C>T | 0 | 0 | 0 | 0 |
| 6 | 42211833 | A>G | 0 | 0 | 0.323333333 | 0 |
| 6 | 42211999 | C>T | 0 | 0 | 0 | 0 |
| 6 | 42212000 | A>G | 0 | 0 | 0 | 0.3333333 |
| 6 | 42269249 | G>A | 0 | 0.476666667 | 0 | 0 |
| 6 | 42287917 | A>G | 0 | 0.583333333 | 0 | 0 |
| 6 | 42347501 | C>T | 0 | 0.588333333 | 0 | 0 |
| 6 | 42354096 | G>A | 0 | 0 | 0 | 0 |
| 6 | 42588628 | T>C | 0 | 0.361666667 | 0 | 0 |
| 6 | 42810729 | C>T | 0 | 0 | 0 | 0.43 |
| 6 | 42825991 | C>T | 0 | 0 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 6 | 42940291 | A>G | 0 | 0.333333333 | 0 | 0 |
| 3 | 6 | 42961920 | T>C | 0 | 0 | 0 | 0 |
| 4 | 6 | 42991882 | A>G | 0 | 0.345 | 0 | 0 |
| 5 | 6 | 42993070 | A>G | 0 | 0 | 0 | 0 |
| 6 | 6 | 43093816 | A>G | 0 | 0 | 0 | 0.5 |
| 7 | 6 | 43145226 | T>C | 0 | 0.416666667 | 0 | 0 |
| 8 | 6 | 43244220 | G>A | 0 | 0 | 0 | 0 |
| 9 | 6 | 43270704 | A>C | 0 | 0.625 | 0 | 0 |
| 10 | 6 | 43326410 | A>G | 0 | 0.385 | 0 | 0 |
| 11 | 6 | 43507000 | C>A | 0 | 0 | 0 | 0 |
| 12 | 6 | 43507734 | A>G | 0 | 0 | 0 | 0.83333333 |
| 13 | 6 | 43513352 | A>G | 0 | 0.351666667 | 0 | 0 |
| 14 | 6 | 43544631 | G>A | 0 | 0 | 0 | 0.38333333 |
| 15 | 6 | 43560365 | C>G | 0 | 0 | 0 | 0.44333333 |
| 16 | 6 | 43602564 | A>G | 0 | 0 | 0 | 0.57 |
| 17 | 6 | 43606458 | G>A | 0 | 0 | 0 | 0 |
| 18 | 6 | 43624037 | T>G | 0 | 0 | 0 | 0 |
| 19 | 6 | 43638305 | T>C | 0 | 0.351666667 | 0 | 0 |
| 20 | 6 | 44113459 | A>G | 0 | 0 | 0 | 0 |
| 21 | 6 | 44145432 | T>C | 0 | 0.555 | 0 | 0 |
| 22 | 6 | 44242573 | C>T | 0 | 0.333333333 | 0 | 0.76333333 |
| 23 | 6 | 44807627 | T>C | 0 | 0 | 0 | 0.61333333 |
| 24 | 6 | 44847698 | G>A | 0 | 0.445 | 0 | 0 |
| 25 | 6 | 44851479 | G>A | 0 | 0 | 0 | 0 |
| 26 | 6 | 44851534 | T>C | 0 | 0.416666667 | 0.351666667 | 0 |
| 27 | 6 | 44852034 | T>C | 0 | 0.333333333 | 0 | 0.47666667 |
| 28 | 6 | 44855289 | G>A | 0 | 0 | 0 | 0 |
| 29 | 6 | 44870061 | A>G | 0 | 0.333333333 | 0 | 0 |
| 30 | 6 | 44896519 | C>T | 0 | 0 | 0 | 0.55666667 |
| 31 | 6 | 44939602 | T>C | 0 | 0 | 0 | 0.48666667 |
| 32 | 6 | 45074538 | C>G | 0 | 0 | 0 | 0.57 |
| 33 | 6 | 45111381 | G>A | 0 | 0 | 0 | 0.60666667 |
| 34 | 6 | 45253209 | G>A | 0 | 0 | 0 | 0 |
| 35 | 6 | 45331672 | C>T | 0 | 0.356666667 | 0 | 0 |
| 36 | 6 | 46039724 | G>A | 0 | 0.416666667 | 0 | 0 |
| 37 | 6 | 46044627 | A>C | 0 | 0.306666667 | 0 | 0.38333333 |
| 38 | 6 | 46193756 | T>C | 0 | 0 | 0.555 | 0 |
| 39 | 6 | 46576521 | A>T | 0 | 0 | 0 | 0 |
| 40 | 6 | 46635846 | T>C | 0 | 0 | 0 | 0 |
| 41 | 6 | 46656481 | C>T | 0 | 0 | 0 | 0 |
| 42 | 6 | 46786389 | A>G | 0 | 0 | 0 | 0 |
| 43 | 6 | 46858230 | A>G | 0 | 0.396666667 | 0 | 0 |
| 44 | 6 | 47234972 | C>T | 0 | 0.31 | 0 | 0 |
| 45 | 6 | 47241676 | G>A | 0 | 0 | 0.313333333 | 0.49333333 |
| 46 | 6 | 47241800 | A>G | 0 | 0.416666667 | 0 | 0.47666667 |
| 47 | 6 | 47510699 | T>C | 0 | 0.37 | 0 | 0 |
| 48 | 6 | 47525226 | G>A | 0 | 0 | 0 | 0.47666667 |
| 49 | 6 | 47956643 | C>G | 0 | 0.416666667 | 0 | 0 |
| 50 | 6 | 47969805 | A>T | 0 | 0 | 0 | 0 |
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|---|----------|-----|---|-------------|-------|-----------|
| 6 | 47980364 | A>G | 0 | 0.303333333 | 0 | 0 |
| 6 | 47980732 | A>T | 0 | 0.513333333 | 0 | 0 |
| 6 | 49576358 | A>G | 0 | 0 | 0 | 0.36 |
| 6 | 51725880 | A>G | 0 | 0 | 0 | 0.6666667 |
| 6 | 51765878 | C>G | 0 | 0.606666667 | 0 | 0 |
| 6 | 51893423 | A>C | 0 | 0.555 | 0 | 0 |
| 6 | 52105034 | G>A | 0 | 0.555 | 0 | 0 |
| 6 | 52243677 | C>T | 0 | 0 | 0 | 0 |
| 6 | 52309368 | C>T | 0 | 0 | 0 | 0.5733333 |
| 6 | 52441662 | C>T | 0 | 0 | 0 | 0 |
| 6 | 52883244 | C>T | 0 | 0 | 0 | 0 |
| 6 | 53525536 | C>T | 0 | 0 | 0 | 0 |
| 6 | 53663368 | A>G | 0 | 0 | 0 | 0.4433333 |
| 6 | 53709927 | G>A | 0 | 0 | 0 | 0.52 |
| 6 | 53746901 | G>C | 0 | 0 | 0 | 0 |
| 6 | 53889053 | G>A | 0 | 0 | 0 | 0 |
| 6 | 53909020 | T>C | 0 | 0 | 0 | 0 |
| 6 | 53910585 | T>C | 0 | 0.476666667 | 0 | 0 |
| 6 | 53919905 | T>C | 0 | 0 | 0 | 0 |
| 6 | 54115284 | G>T | 0 | 0 | 0 | 0 |
| 6 | 54193911 | G>A | 0 | 0.58 | 0 | 0 |
| 6 | 54197240 | A>C | 0 | 0.476666667 | 0 | 0.6666667 |
| 6 | 54748720 | G>C | 0 | 0 | 0 | 0.74 |
| 6 | 55208107 | C>G | 0 | 0 | 0 | 0.7933333 |
| 6 | 55211310 | G>A | 0 | 0.666666667 | 0 | 0 |
| 6 | 55267029 | C>T | 0 | 0 | 0 | 0.6466667 |
| 6 | 55679666 | G>A | 0 | 0 | 0 | 0.3033333 |
| 6 | 55679679 | A>G | 0 | 0 | 0 | 0.5566667 |
| 6 | 55990015 | T>C | 0 | 0 | 0 | 0 |
| 6 | 56055098 | C>A | 0 | 0 | 0.455 | 0 |
| 6 | 56073066 | T>C | 0 | 0 | 0 | 0.9533333 |
| 6 | 56073340 | A>G | 0 | 0 | 0 | 0 |
| 6 | 56074122 | C>T | 0 | 0.333333333 | 0 | 0 |
| 6 | 56427906 | A>G | 0 | 0.313333333 | 0 | 0.4933333 |
| 6 | 56450460 | T>C | 0 | 0.513333333 | 0 | 0 |
| 6 | 56451049 | C>A | 0 | 0 | 0 | 0 |
| 6 | 56481506 | A>G | 0 | 0 | 0 | 0 |
| 6 | 56835267 | A>G | 0 | 0 | 0 | 0 |
| 6 | 57031023 | T>A | 0 | 0.303333333 | 0 | 0.37 |
| 6 | 62581539 | T>C | 0 | 0 | 0 | 0 |
| 6 | 62714051 | T>C | 0 | 0 | 0 | 0 |
| 6 | 62815848 | T>C | 0 | 0 | 0 | 0.5 |
| 6 | 64398468 | G>A | 0 | 0.4 | 0 | 0 |
| 6 | 64440663 | T>C | 0 | 0 | 0 | 0.35 |
| 6 | 64454658 | C>A | 0 | 0.455 | 0 | 0.4433333 |
| 6 | 64490144 | A>G | 0 | 0.476666667 | 0 | 0 |
| 6 | 64552366 | G>A | 0 | 0 | 0.385 | 0 |
| 6 | 64563939 | T>C | 0 | 0.445 | 0 | 0 |
| 6 | 64564162 | T>C | 0 | 0 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 6 | 64588043 | G>T | 0 | 0.513333333 | 0 | 0 |
| 3 | 6 | 64672642 | G>C | 0 | 0 | 0 | 0 |
| 4 | 6 | 64806791 | G>C | 0 | 0.416666667 | 0 | 1 |
| 5 | 6 | 65256325 | G>A | 0 | 0 | 0.438333333 | 0.35 |
| 6 | 6 | 65279528 | T>G | 0 | 0 | 0 | 0 |
| 7 | 6 | 65368972 | A>T | 0 | 0.695 | 0 | 0 |
| 8 | 6 | 65400167 | C>T | 0 | 0 | 0 | 0 |
| 9 | 6 | 65450885 | C>T | 0 | 0.476666667 | 0 | 0 |
| 10 | 6 | 65775568 | A>G | 0 | 0.385 | 0 | 0 |
| 11 | 6 | 66180986 | C>T | 0 | 0.455 | 0 | 0 |
| 12 | 6 | 66197192 | C>T | 0 | 0.333333333 | 0 | 0 |
| 13 | 6 | 69998151 | C>T | 0 | 0 | 0 | 0.6933333 |
| 14 | 6 | 70050957 | G>A | 0 | 0.555 | 0 | 0 |
| 15 | 6 | 70436994 | G>T | 0 | 0 | 0 | 0 |
| 16 | 6 | 70463648 | C>T | 0 | 0 | 0 | 0 |
| 17 | 6 | 70829730 | A>C | 0 | 0 | 0.315 | 0.4533333 |
| 18 | 6 | 71150261 | A>T | 0 | 0.445 | 0 | 0 |
| 19 | 6 | 71206263 | T>A | 0 | 0 | 0 | 0.5266667 |
| 20 | 6 | 71281142 | G>C | 0 | 0 | 0 | 0.69 |
| 21 | 6 | 71284901 | C>T | 0 | 0.333333333 | 0 | 0.3566667 |
| 22 | 6 | 71384512 | C>T | 0 | 0.695 | 0 | 0 |
| 23 | 6 | 71493036 | G>A | 0 | 0 | 0 | 0.43 |
| 24 | 6 | 71510994 | A>G | 0 | 0.455 | 0 | 0 |
| 25 | 6 | 71510996 | A>G | 0 | 0.666666667 | 0 | 0 |
| 26 | 6 | 71511334 | A>G | 0 | 0.416666667 | 0 | 0.4433333 |
| 27 | 6 | 71512390 | T>C | 0 | 0.455 | 0 | 0.5133333 |
| 28 | 6 | 72721493 | T>A | 0 | 0 | 0 | 0 |
| 29 | 6 | 72721494 | T>C | 0 | 0 | 0 | 0 |
| 30 | 6 | 73045383 | T>C | 0 | 0.5 | 0 | 0 |
| 31 | 6 | 73381978 | C>T | 0 | 0.391666667 | 0 | 0 |
| 32 | 6 | 73540819 | C>T | 0 | 0 | 0 | 0 |
| 33 | 6 | 73608115 | T>G | 0 | 0.666666667 | 0 | 0 |
| 34 | 6 | 73661069 | A>G | 0 | 0.316666667 | 0 | 0 |
| 35 | 6 | 73681071 | C>A | 0 | 0.595 | 0 | 0 |
| 36 | 6 | 73800624 | C>G | 0 | 0 | 0 | 0 |
| 37 | 6 | 73873290 | C>T | 0 | 0 | 0 | 0.38 |
| 38 | 6 | 73897050 | A>G | 0 | 0 | 0 | 0.35 |
| 39 | 6 | 74121681 | G>A | 0 | 0.77 | 0 | 0 |
| 40 | 6 | 74158995 | A>C | 0 | 0.303333333 | 0 | 0 |
| 41 | 6 | 74197123 | T>C | 0 | 0 | 0.356666667 | 0 |
| 42 | 6 | 74350938 | A>G | 0 | 0 | 0.343333333 | 0 |
| 43 | 6 | 76068644 | C>T | 0 | 0.435 | 0 | 0 |
| 44 | 6 | 76098240 | T>C | 0 | 0 | 0 | 0 |
| 45 | 6 | 76144211 | A>G | 0 | 0.333333333 | 0 | 0.6266667 |
| 46 | 6 | 76396802 | T>G | 0 | 0.351666667 | 0 | 0 |
| 47 | 6 | 76526846 | T>C | 0 | 0 | 0 | 0.35 |
| 48 | 6 | 76535107 | T>C | 0 | 0.588333333 | 0 | 0 |
| 49 | 6 | 76635546 | T>C | 0 | 0.715 | 0 | 0 |
| 50 | 6 | 76778511 | A>G | 0 | 0 | 0 | 0 |
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|---|----------|-----|---|-------------|-------|------------|
| 6 | 79704043 | T>C | 0 | 0.513333333 | 0 | 0 |
| 6 | 80369468 | C>T | 0 | 0.445 | 0 | 0.33333333 |
| 6 | 80849860 | T>C | 0 | 0.316666667 | 0 | 0 |
| 6 | 80941523 | G>A | 0 | 0.606666667 | 0 | 0 |
| 6 | 82882927 | T>C | 0 | 0.455 | 0 | 0.7566667 |
| 6 | 82887320 | A>G | 0 | 0 | 0 | 0.5966667 |
| 6 | 82911571 | G>A | 0 | 0 | 0 | 0 |
| 6 | 83695339 | A>C | 0 | 0 | 0 | 0.71333333 |
| 6 | 84000234 | G>T | 0 | 0.416666667 | 0 | 0 |
| 6 | 84035421 | G>A | 0 | 0 | 0 | 0 |
| 6 | 84035864 | C>T | 0 | 0.391666667 | 0 | 0 |
| 6 | 84113416 | C>T | 0 | 0.833333333 | 0 | 0 |
| 6 | 84113890 | T>G | 0 | 0 | 0 | 0 |
| 6 | 84114516 | A>G | 0 | 0 | 0 | 0 |
| 6 | 84114587 | A>C | 0 | 0 | 0 | 0 |
| 6 | 84114588 | C>T | 0 | 0 | 0 | 0 |
| 6 | 84392117 | A>G | 0 | 0.971666667 | 0 | 0.3166667 |
| 6 | 84915296 | C>T | 0 | 0.385 | 0 | 0 |
| 6 | 84916816 | C>T | 0 | 0 | 0 | 0 |
| 6 | 86258549 | A>G | 0 | 0 | 0 | 0 |
| 6 | 86345915 | G>C | 0 | 0.333333333 | 0 | 0.4 |
| 6 | 88036062 | C>T | 0 | 0 | 0.37 | 0 |
| 6 | 88036107 | A>C | 0 | 0 | 0 | 0 |
| 6 | 88226887 | C>T | 0 | 0.833333333 | 0 | 0 |
| 6 | 88276782 | C>T | 0 | 0.476666667 | 0 | 0 |
| 6 | 88293128 | A>T | 0 | 0 | 0 | 0.57 |
| 6 | 88334643 | G>A | 0 | 0.346666667 | 0 | 0 |
| 6 | 88352107 | G>A | 0 | 0 | 0 | 0 |
| 6 | 89539006 | C>T | 0 | 0 | 0 | 0.63333333 |
| 6 | 89563891 | T>C | 0 | 0 | 0 | 0 |
| 6 | 89632328 | G>C | 0 | 0 | 0 | 1 |
| 6 | 89872706 | G>A | 0 | 0 | 0 | 0.45 |
| 6 | 90055084 | A>G | 0 | 0.385 | 0 | 0.4766667 |
| 6 | 90329790 | C>T | 0 | 0 | 0 | 0 |
| 6 | 90393801 | A>G | 0 | 0 | 0.395 | 0 |
| 6 | 90414362 | A>G | 0 | 0.606666667 | 0 | 0 |
| 6 | 90740749 | G>T | 0 | 0 | 0 | 0.6666667 |
| 6 | 90740787 | A>T | 0 | 0.391666667 | 0 | 0.6666667 |
| 6 | 90839464 | T>C | 0 | 0 | 0 | 0.39333333 |
| 6 | 91270242 | A>G | 0 | 0.476666667 | 0 | 0.54 |
| 6 | 91273823 | T>C | 0 | 0.333333333 | 0 | 0.5 |
| 6 | 94020110 | T>C | 0 | 0.5 | 0 | 0 |
| 6 | 96027028 | T>C | 0 | 0 | 0 | 0 |
| 6 | 96561387 | G>T | 0 | 0.513333333 | 0 | 0 |
| 6 | 97424727 | G>A | 0 | 0.37 | 0 | 0 |
| 6 | 97661151 | G>A | 0 | 0.416666667 | 0 | 0 |
| 6 | 97725073 | A>G | 0 | 0 | 0 | 0.5066667 |
| 6 | 99361569 | C>A | 0 | 0 | 0 | 0 |
| 6 | 99897900 | T>C | 0 | 0 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 6 | 1E+08 | T>C | 0 | 0.438333333 | 0 | 0.37 |
| 3 | 6 | 1E+08 | G>A | 0 | 0 | 0 | 0 |
| 4 | 6 | 1E+08 | T>C | 0 | 0.513333333 | 0 | 0.37 |
| 5 | 6 | 1E+08 | C>T | 0 | 0 | 0 | 0 |
| 6 | 6 | 1E+08 | A>C | 0 | 0.606666667 | 0 | 0 |
| 7 | 6 | 1.01E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 8 | 6 | 1.01E+08 | T>G | 0 | 0 | 0.351666667 | 0.69333333 |
| 9 | 6 | 1.01E+08 | T>C | 0 | 0.463333333 | 0 | 0 |
| 10 | 6 | 1.02E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 11 | 6 | 1.05E+08 | C>T | 0 | 0 | 0 | 0.33333333 |
| 12 | 6 | 1.05E+08 | T>C | 0 | 0.506666667 | 0 | 0.45333333 |
| 13 | 6 | 1.06E+08 | C>G | 0 | 0.37 | 0 | 0 |
| 14 | 6 | 1.07E+08 | A>G | 0 | 0 | 0 | 0.44333333 |
| 15 | 6 | 1.07E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 16 | 6 | 1.07E+08 | G>A | 0 | 0 | 0 | 0.6466667 |
| 17 | 6 | 1.07E+08 | T>C | 0 | 0.5 | 0 | 0.31333333 |
| 18 | 6 | 1.07E+08 | T>C | 0 | 0 | 0 | 0.51333333 |
| 19 | 6 | 1.08E+08 | T>C | 0 | 0 | 0 | 0.57 |
| 20 | 6 | 1.08E+08 | T>C | 0 | 0 | 0.323333333 | 0 |
| 21 | 6 | 1.08E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 22 | 6 | 1.08E+08 | G>A | 0 | 0.555 | 0 | 0.35 |
| 23 | 6 | 1.08E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 24 | 6 | 1.08E+08 | A>G | 0 | 0 | 0.356666667 | 0 |
| 25 | 6 | 1.08E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 26 | 6 | 1.08E+08 | G>A | 0 | 0 | 0.345 | 0 |
| 27 | 6 | 1.08E+08 | T>C | 0 | 0 | 0 | 0.46 |
| 28 | 6 | 1.08E+08 | C>T | 0 | 0 | 0 | 0.45333333 |
| 29 | 6 | 1.08E+08 | A>C | 0 | 0 | 0 | 0.4766667 |
| 30 | 6 | 1.08E+08 | T>C | 0 | 0 | 0 | 0.78333333 |
| 31 | 6 | 1.09E+08 | A>C | 0 | 0 | 0 | 0 |
| 32 | 6 | 1.09E+08 | T>G | 0 | 0.606666667 | 0 | 0 |
| 33 | 6 | 1.09E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 34 | 6 | 1.09E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 35 | 6 | 1.09E+08 | T>C | 0 | 0 | 0 | 0 |
| 36 | 6 | 1.09E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 37 | 6 | 1.1E+08 | T>G | 0 | 0.588333333 | 0 | 0 |
| 38 | 6 | 1.1E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 39 | 6 | 1.1E+08 | T>C | 0 | 0.606666667 | 0 | 1 |
| 40 | 6 | 1.1E+08 | C>T | 0 | 0 | 0 | 0 |
| 41 | 6 | 1.1E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 42 | 6 | 1.1E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 43 | 6 | 1.1E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 44 | 6 | 1.1E+08 | C>T | 0 | 0.316666667 | 0 | 0 |
| 45 | 6 | 1.1E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 46 | 6 | 1.11E+08 | A>T | 0 | 0.445 | 0 | 0 |
| 47 | 6 | 1.11E+08 | T>G | 0 | 0.555 | 0 | 0 |
| 48 | 6 | 1.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 6 | 1.11E+08 | G>C | 0 | 0.455 | 0 | 0 |
| 50 | 6 | 1.11E+08 | A>C | 0 | 0 | 0 | 0.79 |
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| 1 | | | | | | | |
| 2 | 6 | 1.11E+08 | A>C | 0 | 0 | 0 | 0.6666667 |
| 3 | 6 | 1.11E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 4 | 6 | 1.12E+08 | C>T | 0 | 0 | 0 | 0.72 |
| 5 | 6 | 1.12E+08 | T>C | 0 | 0.333333333 | 0 | 1 |
| 6 | 6 | 1.12E+08 | T>C | 0 | 0.385 | 0 | 0.3566667 |
| 7 | 6 | 1.12E+08 | G>A | 0 | 0 | 0 | 0.3933333 |
| 8 | 6 | 1.12E+08 | T>G | 0 | 0 | 0 | 0.5 |
| 9 | 6 | 1.12E+08 | T>C | 0 | 0.391666667 | 0 | 0.6066667 |
| 10 | 6 | 1.14E+08 | G>A | 0 | 0 | 0 | 0 |
| 11 | 6 | 1.16E+08 | G>T | 0 | 0.333333333 | 0 | 0.3233333 |
| 12 | 6 | 1.16E+08 | T>C | 0 | 0 | 0.306666667 | 1 |
| 13 | 6 | 1.18E+08 | C>A | 0 | 0 | 0 | 0 |
| 14 | 6 | 1.19E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 15 | 6 | 1.19E+08 | C>A | 0 | 0.445 | 0 | 0 |
| 16 | 6 | 1.19E+08 | A>T | 0 | 0 | 0 | 0.36 |
| 17 | 6 | 1.19E+08 | G>T | 0 | 0 | 0 | 0 |
| 18 | 6 | 1.19E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 19 | 6 | 1.19E+08 | C>T | 0 | 0 | 0 | 0.57 |
| 20 | 6 | 1.23E+08 | A>T | 0 | 0.606666667 | 0 | 0 |
| 21 | 6 | 1.23E+08 | C>T | 0 | 0 | 0 | 0.46 |
| 22 | 6 | 1.23E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 23 | 6 | 1.23E+08 | T>C | 0 | 0.303333333 | 0.445 | 0.4766667 |
| 24 | 6 | 1.23E+08 | A>C | 0 | 0.715 | 0 | 0.38 |
| 25 | 6 | 1.24E+08 | C>A | 0 | 0.438333333 | 0 | 0 |
| 26 | 6 | 1.24E+08 | G>A | 0 | 0 | 0 | 0 |
| 27 | 6 | 1.24E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 28 | 6 | 1.24E+08 | A>C | 0 | 0 | 0 | 0 |
| 29 | 6 | 1.25E+08 | A>G | 0 | 0 | 0 | 0.37 |
| 30 | 6 | 1.25E+08 | C>A | 0 | 0 | 0 | 0 |
| 31 | 6 | 1.25E+08 | T>C | 0 | 0 | 0 | 0 |
| 32 | 6 | 1.25E+08 | A>G | 0 | 0.303333333 | 0 | 0.4533333 |
| 33 | 6 | 1.26E+08 | C>T | 0 | 0 | 0 | 0.5266667 |
| 34 | 6 | 1.26E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 35 | 6 | 1.26E+08 | A>T | 0 | 0.416666667 | 0 | 0 |
| 36 | 6 | 1.26E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 37 | 6 | 1.28E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 38 | 6 | 1.28E+08 | G>C | 0 | 0 | 0 | 0.31 |
| 39 | 6 | 1.28E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 40 | 6 | 1.28E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 41 | 6 | 1.29E+08 | A>C | 0 | 0.391666667 | 0 | 0.3233333 |
| 42 | 6 | 1.29E+08 | T>C | 0 | 0 | 0 | 0.5 |
| 43 | 6 | 1.29E+08 | A>G | 0 | 0.351666667 | 0 | 0 |
| 44 | 6 | 1.29E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 45 | 6 | 1.29E+08 | A>G | 0 | 0.333333333 | 0 | 0.52 |
| 46 | 6 | 1.29E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 47 | 6 | 1.29E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 48 | 6 | 1.29E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 49 | 6 | 1.29E+08 | T>C | 0 | 0 | 0 | 0 |
| 50 | 6 | 1.3E+08 | C>G | 0 | 0 | 0 | 0.4933333 |
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| 1 | | | | | | | |
| 2 | 6 | 1.3E+08 | G>A | 0 | 0 | 0 | 0.4166667 |
| 3 | 6 | 1.3E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 4 | 6 | 1.3E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 5 | 6 | 1.31E+08 | C>T | 0 | 0 | 0 | 0.4433333 |
| 6 | 6 | 1.31E+08 | T>C | 0 | 0.351666667 | 0 | 0.3333333 |
| 7 | 6 | 1.31E+08 | T>C | 0 | 0 | 0 | 0.74 |
| 8 | 6 | 1.31E+08 | A>G | 0 | 0 | 0 | 0 |
| 9 | 6 | 1.31E+08 | T>C | 0 | 0 | 0 | 0.4933333 |
| 10 | 6 | 1.32E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 11 | 6 | 1.32E+08 | T>A | 0 | 0 | 0 | 0 |
| 12 | 6 | 1.32E+08 | G>A | 0 | 0.5 | 0 | 0 |
| 13 | 6 | 1.32E+08 | G>C | 0 | 0.445 | 0 | 0 |
| 14 | 6 | 1.32E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 15 | 6 | 1.33E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 16 | 6 | 1.34E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 17 | 6 | 1.34E+08 | A>G | 0 | 0 | 0 | 0.4166667 |
| 18 | 6 | 1.34E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 19 | 6 | 1.34E+08 | C>T | 0 | 0 | 0 | 0 |
| 20 | 6 | 1.35E+08 | A>C | 0 | 0 | 0 | 0.6266667 |
| 21 | 6 | 1.36E+08 | T>C | 0 | 0 | 0.313333333 | 0 |
| 22 | 6 | 1.36E+08 | C>T | 0 | 0.4 | 0 | 0 |
| 23 | 6 | 1.36E+08 | A>G | 0 | 0 | 0 | 0 |
| 24 | 6 | 1.36E+08 | T>C | 0 | 0.606666667 | 0 | 0 |
| 25 | 6 | 1.36E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 26 | 6 | 1.37E+08 | G>C | 0 | 0.313333333 | 0 | 0.9733333 |
| 27 | 6 | 1.37E+08 | T>C | 0 | 0 | 0.333333333 | 0 |
| 28 | 6 | 1.37E+08 | A>G | 0 | 0 | 0 | 0.4166667 |
| 29 | 6 | 1.37E+08 | C>T | 0 | 0 | 0 | 0 |
| 30 | 6 | 1.37E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 31 | 6 | 1.37E+08 | T>C | 0 | 0 | 0 | 1 |
| 32 | 6 | 1.37E+08 | C>A | 0 | 0 | 0 | 0 |
| 33 | 6 | 1.37E+08 | C>T | 0 | 0 | 0 | 0 |
| 34 | 6 | 1.37E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 35 | 6 | 1.37E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 36 | 6 | 1.37E+08 | T>C | 0 | 0.641666667 | 0 | 0.3866667 |
| 37 | 6 | 1.37E+08 | T>G | 0 | 0 | 0 | 0 |
| 38 | 6 | 1.37E+08 | G>C | 0 | 0.606666667 | 0 | 0.3033333 |
| 39 | 6 | 1.38E+08 | G>C | 0 | 0 | 0 | 0 |
| 40 | 6 | 1.39E+08 | A>G | 0 | 0.303333333 | 0.513333333 | 0 |
| 41 | 6 | 1.39E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 42 | 6 | 1.39E+08 | A>G | 0 | 0.455 | 0 | 0.6333333 |
| 43 | 6 | 1.39E+08 | A>T | 0 | 0 | 0 | 0 |
| 44 | 6 | 1.39E+08 | T>C | 0 | 0.778333333 | 0 | 0 |
| 45 | 6 | 1.39E+08 | T>C | 0 | 0.5 | 0 | 0 |
| 46 | 6 | 1.4E+08 | A>G | 0 | 0.391666667 | 0 | 0 |
| 47 | 6 | 1.43E+08 | T>C | 0 | 0.758333333 | 0 | 0 |
| 48 | 6 | 1.43E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 6 | 1.43E+08 | C>T | 0 | 0.4 | 0 | 0.3933333 |
| 50 | 6 | 1.44E+08 | A>G | 0 | 0 | 0 | 0.5566667 |
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| 1 | | | | | | | |
| 2 | 6 | 1.44E+08 | C>G | 0 | 0 | 0 | 0.35 |
| 3 | 6 | 1.44E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 6 | 1.44E+08 | C>A | 0 | 0.715 | 0 | 0 |
| 5 | 6 | 1.44E+08 | C>T | 0 | 0.715 | 0 | 0 |
| 6 | 6 | 1.44E+08 | A>G | 0 | 0 | 0 | 0.7066667 |
| 7 | 6 | 1.45E+08 | T>C | 0 | 0 | 0 | 0.35 |
| 8 | 6 | 1.45E+08 | A>G | 0 | 0 | 0 | 0 |
| 9 | 6 | 1.45E+08 | C>T | 0 | 0 | 0 | 0.4166667 |
| 10 | 6 | 1.45E+08 | A>G | 0 | 0 | 0 | 0 |
| 11 | 6 | 1.45E+08 | G>A | 0 | 0 | 0 | 0 |
| 12 | 6 | 1.46E+08 | A>G | 0 | 0 | 0 | 0.3433333 |
| 13 | 6 | 1.46E+08 | C>T | 0 | 0 | 0 | 0.37 |
| 14 | 6 | 1.46E+08 | T>C | 0 | 0.333333333 | 0 | 0.4433333 |
| 15 | 6 | 1.47E+08 | C>T | 0 | 0.391666667 | 0 | 0 |
| 16 | 6 | 1.48E+08 | A>T | 0 | 0.416666667 | 0 | 0 |
| 17 | 6 | 1.48E+08 | C>T | 0 | 0 | 0 | 0.4033333 |
| 18 | 6 | 1.49E+08 | A>G | 0 | 0.37 | 0 | 0.5333333 |
| 19 | 6 | 1.49E+08 | A>T | 0 | 0 | 0 | 0 |
| 20 | 6 | 1.49E+08 | T>C | 0 | 0.521666667 | 0 | 0.77 |
| 21 | 6 | 1.49E+08 | C>T | 0 | 0 | 0 | 0 |
| 22 | 6 | 1.49E+08 | G>T | 0 | 0.435 | 0 | 0 |
| 23 | 6 | 1.49E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 24 | 6 | 1.49E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 25 | 6 | 1.5E+08 | C>T | 0 | 0.333333333 | 0 | 0.37 |
| 26 | 6 | 1.5E+08 | T>C | 0 | 0 | 0.466666667 | 0.5133333 |
| 27 | 6 | 1.5E+08 | T>G | 0 | 0.606666667 | 0 | 0 |
| 28 | 6 | 1.5E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 29 | 6 | 1.5E+08 | A>G | 0 | 0 | 0 | 0.6266667 |
| 30 | 6 | 1.5E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 31 | 6 | 1.5E+08 | T>C | 0 | 0.445 | 0 | 0.3166667 |
| 32 | 6 | 1.5E+08 | T>C | 0 | 0.313333333 | 0.323333333 | 0 |
| 33 | 6 | 1.51E+08 | A>C | 0 | 0.486666667 | 0 | 0.45 |
| 34 | 6 | 1.51E+08 | G>A | 0 | 0.5 | 0 | 0 |
| 35 | 6 | 1.51E+08 | T>C | 0 | 0.316666667 | 0 | 0.3033333 |
| 36 | 6 | 1.51E+08 | A>G | 0 | 0 | 0.306666667 | 0 |
| 37 | 6 | 1.51E+08 | T>C | 0 | 0.356666667 | 0 | 0.4766667 |
| 38 | 6 | 1.51E+08 | T>C | 0 | 0 | 0 | 0.4766667 |
| 39 | 6 | 1.51E+08 | A>G | 0 | 0.476666667 | 0 | 0.3333333 |
| 40 | 6 | 1.52E+08 | C>G | 0 | 0.385 | 0 | 0 |
| 41 | 6 | 1.52E+08 | A>T | 0 | 0 | 0 | 0.3333333 |
| 42 | 6 | 1.52E+08 | A>T | 0 | 0 | 0 | 0.4166667 |
| 43 | 6 | 1.52E+08 | A>T | 0 | 0.435 | 0 | 0 |
| 44 | 6 | 1.52E+08 | G>A | 0 | 0.625 | 0 | 0 |
| 45 | 6 | 1.52E+08 | C>T | 0 | 0 | 0 | 0.5566667 |
| 46 | 6 | 1.52E+08 | T>C | 0 | 0 | 0 | 0.6066667 |
| 47 | 6 | 1.52E+08 | C>A | 0 | 0.445 | 0 | 0.4866667 |
| 48 | 6 | 1.52E+08 | T>C | 0 | 0.583333333 | 0 | 0 |
| 49 | 6 | 1.52E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 50 | 6 | 1.52E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 6 | 1.52E+08 | A>C | 0 | 0 | 0.401666667 | 0.37 |
| 3 | 6 | 1.53E+08 | T>C | 0 | 0.513333333 | 0 | 0.4333333 |
| 4 | 6 | 1.53E+08 | G>C | 0 | 0 | 0 | 0.5966667 |
| 5 | 6 | 1.54E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 6 | 6 | 1.54E+08 | T>C | 0 | 0 | 0 | 0.35 |
| 7 | 6 | 1.54E+08 | G>A | 0 | 0 | 0 | 0.37 |
| 8 | 6 | 1.54E+08 | A>G | 0 | 0.5 | 0 | 0.4766667 |
| 9 | 6 | 1.54E+08 | A>G | 0 | 0.5 | 0 | 0.4766667 |
| 10 | 6 | 1.55E+08 | T>C | 0 | 0.466666667 | 0 | 0 |
| 11 | 6 | 1.55E+08 | G>A | 0 | 0 | 0 | 0.3333333 |
| 12 | 6 | 1.55E+08 | A>G | 0 | 0 | 0 | 0.43 |
| 13 | 6 | 1.55E+08 | T>C | 0 | 0.316666667 | 0 | 0 |
| 14 | 6 | 1.55E+08 | T>C | 0 | 0 | 0 | 0 |
| 15 | 6 | 1.55E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 16 | 6 | 1.55E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 17 | 6 | 1.55E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 18 | 6 | 1.55E+08 | A>G | 0 | 0 | 0 | 0 |
| 19 | 6 | 1.55E+08 | C>T | 0 | 0 | 0 | 0 |
| 20 | 6 | 1.55E+08 | C>T | 0 | 0 | 0 | 0 |
| 21 | 6 | 1.55E+08 | C>T | 0 | 0 | 0 | 0 |
| 22 | 6 | 1.57E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 23 | 6 | 1.57E+08 | C>T | 0 | 0 | 0 | 0 |
| 24 | 6 | 1.57E+08 | A>G | 0 | 0.77 | 0 | 0 |
| 25 | 6 | 1.58E+08 | G>C | 0 | 0.595 | 0 | 0 |
| 26 | 6 | 1.58E+08 | C>T | 0 | 0.313333333 | 0 | 0 |
| 27 | 6 | 1.58E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 28 | 6 | 1.58E+08 | A>G | 0 | 0.648333333 | 0 | 0 |
| 29 | 6 | 1.58E+08 | A>G | 0 | 0.648333333 | 0 | 0 |
| 30 | 6 | 1.58E+08 | G>C | 0 | 0 | 0 | 0 |
| 31 | 6 | 1.58E+08 | G>A | 0 | 0 | 0 | 0.3333333 |
| 32 | 6 | 1.59E+08 | A>G | 0 | 0 | 0 | 0 |
| 33 | 6 | 1.59E+08 | T>C | 0 | 0 | 0 | 0 |
| 34 | 6 | 1.59E+08 | A>T | 0 | 0.346666667 | 0 | 0.8033333 |
| 35 | 6 | 1.59E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 36 | 6 | 1.59E+08 | C>T | 0 | 0 | 0.516666667 | 0 |
| 37 | 6 | 1.59E+08 | A>G | 0 | 0 | 0 | 0.4033333 |
| 38 | 6 | 1.59E+08 | A>G | 0 | 0 | 0 | 0.4033333 |
| 39 | 6 | 1.59E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 40 | 6 | 1.59E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 41 | 6 | 1.59E+08 | A>T | 0 | 0 | 0 | 0 |
| 42 | 6 | 1.59E+08 | C>G | 0 | 0.555 | 0 | 0 |
| 43 | 6 | 1.59E+08 | A>G | 0 | 0 | 0.308333333 | 0 |
| 44 | 6 | 1.59E+08 | A>G | 0 | 0 | 0.308333333 | 0 |
| 45 | 6 | 1.59E+08 | A>G | 0 | 0 | 0.308333333 | 0 |
| 46 | 6 | 1.59E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 47 | 6 | 1.59E+08 | G>A | 0 | 0 | 0 | 0 |
| 48 | 6 | 1.59E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 49 | 6 | 1.59E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 50 | 6 | 1.6E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 51 | 6 | 1.61E+08 | C>T | 0 | 0 | 0 | 0.8333333 |
| 52 | 6 | 1.61E+08 | C>T | 0 | 0 | 0 | 0.5266667 |
| 53 | 6 | 1.62E+08 | C>T | 0 | 0 | 0 | 0 |
| 54 | 6 | 1.62E+08 | T>C | 0 | 0 | 0 | 0 |
| 55 | 6 | 1.62E+08 | A>G | 0 | 0 | 0.341666667 | 0 |
| 56 | 6 | 1.62E+08 | A>G | 0 | 0 | 0.341666667 | 0 |
| 57 | 6 | 1.62E+08 | G>A | 0 | 0 | 0 | 0 |
| 58 | 6 | 1.62E+08 | A>C | 0 | 0.5 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 6 | 1.63E+08 | G>A | 0 | 0.73 | 0 | 0.5066667 |
| 3 | 6 | 1.63E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 6 | 1.63E+08 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 5 | 6 | 1.63E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 6 | 6 | 1.67E+08 | C>T | 0 | 0 | 0 | 0.5566667 |
| 7 | 6 | 1.67E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 8 | 6 | 1.68E+08 | C>G | 0 | 0 | 0 | 0 |
| 9 | 6 | 1.68E+08 | A>G | 0 | 0 | 0 | 0 |
| 10 | 6 | 1.68E+08 | A>T | 0 | 0.606666667 | 0 | 0 |
| 11 | 6 | 1.69E+08 | T>C | 0 | 0 | 0 | 0.83333333 |
| 12 | 6 | 1.7E+08 | A>C | 0 | 0 | 0 | 0 |
| 13 | 6 | 1.7E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 14 | 6 | 1.7E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 15 | 7 | 213821 | G>A | 0 | 0.606666667 | 0 | 0 |
| 16 | 7 | 718673 | T>C | 0 | 0.385 | 0 | 0 |
| 17 | 7 | 743108 | A>G | 0 | 0 | 0 | 0.45333333 |
| 18 | 7 | 774887 | G>T | 0 | 0.476666667 | 0 | 0 |
| 19 | 7 | 809470 | T>G | 0 | 0 | 0.3033333333 | 0 |
| 20 | 7 | 896243 | G>A | 0 | 0 | 0 | 0 |
| 21 | 7 | 1011472 | G>A | 0 | 0 | 0 | 0.51333333 |
| 22 | 7 | 1023617 | C>A | 0 | 0 | 0 | 0 |
| 23 | 7 | 1899322 | C>T | 0 | 0 | 0 | 0 |
| 24 | 7 | 2008791 | A>G | 0 | 0 | 0 | 0.39 |
| 25 | 7 | 2020854 | C>G | 0 | 0.345 | 0 | 0 |
| 26 | 7 | 2126973 | A>G | 0 | 0 | 0 | 0 |
| 27 | 7 | 2196237 | C>T | 0 | 0.3033333333 | 0 | 0 |
| 28 | 7 | 2207120 | C>G | 0 | 0.606666667 | 0 | 0.42333333 |
| 29 | 7 | 2254829 | G>A | 0 | 0.416666667 | 0 | 0 |
| 30 | 7 | 2329599 | G>A | 0 | 0.3133333333 | 0 | 0 |
| 31 | 7 | 2398427 | A>G | 0 | 0 | 0 | 0 |
| 32 | 7 | 2409901 | A>G | 0 | 0 | 0 | 0.3566667 |
| 33 | 7 | 2459166 | G>A | 0 | 0.361666667 | 0 | 0 |
| 34 | 7 | 2464629 | T>C | 0 | 0.3033333333 | 0 | 0 |
| 35 | 7 | 2563624 | A>T | 0 | 0 | 0 | 0 |
| 36 | 7 | 2587655 | C>T | 0 | 0.351666667 | 0 | 0 |
| 37 | 7 | 2772261 | T>C | 0 | 0 | 0 | 0 |
| 38 | 7 | 3016239 | C>T | 0 | 0 | 0 | 0.4666667 |
| 39 | 7 | 3643365 | C>G | 0 | 0.316666667 | 0 | 0.30333333 |
| 40 | 7 | 3676202 | C>T | 0 | 0 | 0 | 0 |
| 41 | 7 | 3685694 | C>T | 0 | 0 | 0 | 0 |
| 42 | 7 | 3815270 | G>A | 0 | 0 | 0 | 0 |
| 43 | 7 | 3839230 | G>A | 0 | 0 | 0 | 0 |
| 44 | 7 | 4122103 | T>G | 0 | 0 | 0 | 0.34333333 |
| 45 | 7 | 4124675 | T>C | 0 | 0 | 0 | 0 |
| 46 | 7 | 4179965 | C>T | 0 | 0.455 | 0 | 0 |
| 47 | 7 | 4188493 | T>G | 0 | 0.32 | 0 | 0 |
| 48 | 7 | 4205301 | C>T | 0 | 0.356666667 | 0 | 0 |
| 49 | 7 | 4205320 | T>C | 0 | 0 | 0 | 0.34 |
| 50 | 7 | 4234455 | T>A | 0 | 0 | 0.351666667 | 0 |
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| 1 | | | | | | | |
| 2 | 7 | 4234456 | T>C | 0 | 0 | 0.351666667 | 0 |
| 3 | 7 | 4741321 | A>G | 0 | 0 | 0 | 0.5833333 |
| 4 | 7 | 4902288 | A>T | 0 | 0 | 0 | 0.3766667 |
| 5 | 7 | 4905896 | T>G | 0 | 0.606666667 | 0 | 0 |
| 6 | 7 | 4917385 | C>T | 0 | 0 | 0 | 0 |
| 7 | 7 | 4989822 | T>C | 0 | 0.5 | 0 | 0 |
| 8 | 7 | 5260351 | C>A | 0 | 0 | 0 | 0 |
| 9 | 7 | 5439274 | C>T | 0 | 0 | 0 | 0 |
| 10 | 7 | 5456253 | A>G | 0 | 0 | 0 | 0.73 |
| 11 | 7 | 5526789 | A>G | 0 | 0 | 0 | 0 |
| 12 | 7 | 5551997 | A>G | 0 | 0 | 0 | 0.52 |
| 13 | 7 | 5687965 | C>T | 0 | 0 | 0 | 0.6266667 |
| 14 | 7 | 5757754 | A>G | 0 | 0.555 | 0 | 0 |
| 15 | 7 | 6054469 | C>G | 0 | 0.655 | 0 | 0.4633333 |
| 16 | 7 | 6073644 | G>A | 0 | 0 | 0 | 0 |
| 17 | 7 | 6095554 | A>C | 0 | 0 | 0 | 0 |
| 18 | 7 | 6163111 | G>A | 0 | 0.345 | 0 | 0 |
| 19 | 7 | 6265596 | T>C | 0 | 0 | 0 | 1 |
| 20 | 7 | 6417509 | T>C | 0 | 0 | 0 | 0 |
| 21 | 7 | 6503270 | A>C | 0 | 0.476666667 | 0 | 0 |
| 22 | 7 | 6539988 | G>A | 0 | 0 | 0 | 0 |
| 23 | 7 | 6568861 | T>C | 0 | 0 | 0 | 0 |
| 24 | 7 | 6581726 | T>A | 0 | 0 | 0 | 0.4533333 |
| 25 | 7 | 6640871 | A>G | 0 | 0.378333333 | 0 | 0 |
| 26 | 7 | 6641495 | T>C | 0 | 0 | 0 | 0.6666667 |
| 27 | 7 | 6645422 | C>T | 0 | 0.513333333 | 0 | 0 |
| 28 | 7 | 6734624 | A>G | 0 | 0 | 0 | 0 |
| 29 | 7 | 7239015 | C>T | 0 | 0.481666667 | 0 | 0.3433333 |
| 30 | 7 | 7640421 | T>A | 0 | 0 | 0 | 0 |
| 31 | 7 | 7830746 | C>T | 0 | 0 | 0 | 0 |
| 32 | 7 | 7830747 | C>G | 0 | 0 | 0 | 0 |
| 33 | 7 | 7910380 | A>G | 0 | 0 | 0 | 0 |
| 34 | 7 | 8040993 | C>T | 0 | 0.333333333 | 0 | 0 |
| 35 | 7 | 8064938 | G>C | 0 | 0 | 0 | 0.4933333 |
| 36 | 7 | 8102995 | T>C | 0 | 0.346666667 | 0 | 0 |
| 37 | 7 | 8107724 | A>G | 0 | 0.516666667 | 0 | 0 |
| 38 | 7 | 8114142 | C>T | 0 | 0 | 0 | 0 |
| 39 | 7 | 8239169 | T>C | 0 | 0 | 0 | 0 |
| 40 | 7 | 8239170 | G>A | 0 | 0 | 0 | 0 |
| 41 | 7 | 8281627 | C>G | 0 | 0 | 0.308333333 | 0.3433333 |
| 42 | 7 | 8282559 | C>T | 0 | 0 | 0 | 0 |
| 43 | 7 | 8284243 | A>G | 0 | 0 | 0.333333333 | 0 |
| 44 | 7 | 8627223 | G>A | 0 | 0 | 0 | 0.6666667 |
| 45 | 7 | 8642719 | A>G | 0 | 0.455 | 0 | 0 |
| 46 | 7 | 8711924 | T>A | 0 | 0 | 0 | 0 |
| 47 | 7 | 8772882 | T>C | 0 | 0 | 0 | 0.4866667 |
| 48 | 7 | 11040162 | T>C | 0 | 0 | 0 | 0 |
| 49 | 7 | 11426077 | T>C | 0 | 0 | 0 | 0 |
| 50 | 7 | 11426078 | G>A | 0 | 0 | 0 | 0 |
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| 7 | 11426217 | T>C | 0 | 0.463333333 | 0 | 0 |
| 7 | 11437142 | A>T | 0 | 0 | 0 | 0.30333333 |
| 7 | 11549827 | A>T | 0 | 0.416666667 | 0 | 0 |
| 7 | 11550325 | A>G | 0 | 0 | 0 | 0.61666667 |
| 7 | 11612468 | C>T | 0 | 0.476666667 | 0 | 0 |
| 7 | 11717024 | A>G | 0 | 0 | 0 | 0.31333333 |
| 7 | 11720589 | G>C | 0 | 0 | 0 | 0 |
| 7 | 11720602 | C>G | 0 | 0 | 0 | 0.33333333 |
| 7 | 12671947 | T>G | 0 | 0 | 0 | 0 |
| 7 | 13939569 | T>C | 0 | 0.391666667 | 0 | 0 |
| 7 | 13985401 | T>A | 0 | 0 | 0 | 0 |
| 7 | 14319964 | T>A | 0 | 0.308333333 | 0 | 0.41666667 |
| 7 | 14337069 | T>A | 0 | 0 | 0 | 0 |
| 7 | 14337301 | G>T | 0 | 0 | 0 | 0.33333333 |
| 7 | 14353612 | C>G | 0 | 0 | 0 | 0 |
| 7 | 14397287 | C>T | 0 | 0 | 0 | 0 |
| 7 | 14397646 | T>A | 0 | 0.316666667 | 0 | 0.57 |
| 7 | 14398688 | C>T | 0 | 0 | 0 | 0 |
| 7 | 14882028 | C>A | 0 | 0.555 | 0 | 0 |
| 7 | 15389298 | A>G | 0 | 0 | 0.606666667 | 0 |
| 7 | 15477386 | T>C | 0 | 0 | 0.416666667 | 0.45333333 |
| 7 | 15559412 | G>A | 0 | 0.416666667 | 0 | 1 |
| 7 | 15560921 | A>G | 0 | 0.346666667 | 0 | 0 |
| 7 | 15562088 | A>C | 0 | 0.345 | 0 | 0 |
| 7 | 16141664 | G>C | 0 | 0.333333333 | 0 | 0 |
| 7 | 16199181 | A>G | 0 | 0.46 | 0 | 0 |
| 7 | 16200333 | G>T | 0 | 0 | 0 | 0.91 |
| 7 | 16203296 | A>G | 0 | 0 | 0 | 0.37666667 |
| 7 | 16205942 | C>T | 0 | 0.606666667 | 0 | 0 |
| 7 | 16230453 | T>C | 0 | 0 | 0.303333333 | 0.47666667 |
| 7 | 16256279 | T>C | 0 | 0 | 0 | 0 |
| 7 | 16256305 | A>G | 0 | 0 | 0 | 0 |
| 7 | 16293261 | A>C | 0 | 0 | 0 | 0 |
| 7 | 16384764 | A>G | 0 | 0 | 0 | 0 |
| 7 | 16422687 | A>G | 0 | 0 | 0 | 0.61666667 |
| 7 | 16645755 | T>C | 0 | 0 | 0 | 0 |
| 7 | 16646928 | C>T | 0 | 0 | 0 | 0.52 |
| 7 | 16668959 | A>G | 0 | 0.37 | 0 | 0 |
| 7 | 17848336 | A>G | 0 | 0.356666667 | 0 | 0.35 |
| 7 | 18776377 | C>G | 0 | 0.715 | 0.333333333 | 0 |
| 7 | 18778191 | G>A | 0 | 0 | 0.303333333 | 0.76333333 |
| 7 | 18778335 | C>T | 0 | 0 | 0 | 0.40333333 |
| 7 | 18844516 | T>C | 0 | 0 | 0 | 0.35 |
| 7 | 18869402 | A>G | 0 | 0 | 0 | 0 |
| 7 | 18929556 | G>A | 0 | 0 | 0 | 0 |
| 7 | 19796322 | A>G | 0 | 0.445 | 0 | 0 |
| 7 | 20379390 | T>C | 0 | 0.365 | 0 | 0 |
| 7 | 20406172 | A>G | 0 | 0 | 0 | 0.6 |
| 7 | 20658612 | G>A | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 7 | 20658661 | C>G | 0 | 0.306666667 | 0 | 0 |
| 3 | 7 | 20667987 | G>T | 0 | 0.5 | 0 | 0 |
| 4 | 7 | 20764986 | A>G | 0 | 0 | 0 | 0.5366667 |
| 5 | 7 | 21660690 | G>A | 0 | 0.506666667 | 0.4 | 0.3033333 |
| 6 | 7 | 21661312 | G>T | 0 | 0.346666667 | 0 | 0 |
| 7 | 7 | 21666589 | C>T | 0 | 0.385 | 0 | 0 |
| 8 | 7 | 21701540 | A>G | 0 | 0 | 0 | 0 |
| 9 | 7 | 21907945 | A>G | 0 | 0 | 0 | 0 |
| 10 | 7 | 22358003 | C>T | 0 | 0.606666667 | 0 | 0 |
| 11 | 7 | 22395782 | T>A | 0 | 0 | 0 | 0 |
| 12 | 7 | 22515222 | T>C | 0 | 0 | 0 | 0 |
| 13 | 7 | 23014631 | C>T | 0 | 0.476666667 | 0 | 0 |
| 14 | 7 | 23231939 | T>C | 0 | 0 | 0 | 0 |
| 15 | 7 | 23365325 | G>T | 0 | 0 | 0 | 0 |
| 16 | 7 | 23381110 | C>A | 0 | 0 | 0 | 0 |
| 17 | 7 | 23418470 | T>C | 0 | 0 | 0 | 0.3433333 |
| 18 | 7 | 23440640 | A>G | 0 | 0 | 0 | 0 |
| 19 | 7 | 23446238 | C>T | 0 | 0.356666667 | 0 | 0 |
| 20 | 7 | 23672891 | G>A | 0 | 0.356666667 | 0 | 0 |
| 21 | 7 | 23726665 | C>A | 0 | 0 | 0 | 0.8333333 |
| 22 | 7 | 23767458 | A>C | 0 | 0.438333333 | 0 | 0 |
| 23 | 7 | 23794365 | A>G | 0 | 0 | 0 | 0 |
| 24 | 7 | 23795146 | A>G | 0 | 0.698333333 | 0 | 0.4 |
| 25 | 7 | 23814296 | A>G | 0 | 0 | 0 | 0 |
| 26 | 7 | 23814297 | A>C | 0 | 0 | 0 | 0 |
| 27 | 7 | 23863289 | T>C | 0 | 0.4 | 0 | 0 |
| 28 | 7 | 23863823 | T>A | 0 | 0 | 0 | 0 |
| 29 | 7 | 24669646 | T>C | 0 | 0 | 0 | 0 |
| 30 | 7 | 24669660 | A>G | 0 | 0.346666667 | 0 | 0 |
| 31 | 7 | 24979569 | C>A | 0 | 0.606666667 | 0 | 0 |
| 32 | 7 | 26204626 | A>G | 0 | 0.391666667 | 0 | 0 |
| 33 | 7 | 26360198 | G>A | 0 | 0 | 0.356666667 | 0 |
| 34 | 7 | 26364026 | C>T | 0 | 0.455 | 0 | 0 |
| 35 | 7 | 26801464 | A>G | 0 | 0 | 0 | 0 |
| 36 | 7 | 26801475 | T>C | 0 | 0 | 0 | 0 |
| 37 | 7 | 26804664 | A>G | 0 | 0.416666667 | 0 | 0 |
| 38 | 7 | 26823457 | C>T | 0 | 0.476666667 | 0 | 0 |
| 39 | 7 | 26862805 | A>G | 0 | 0 | 0 | 0 |
| 40 | 7 | 26873924 | A>C | 0 | 0 | 0 | 0 |
| 41 | 7 | 27141699 | A>C | 0 | 0 | 0 | 0 |
| 42 | 7 | 27180880 | T>C | 0 | 0 | 0 | 0 |
| 43 | 7 | 27182836 | C>T | 0 | 0 | 0 | 0 |
| 44 | 7 | 27214557 | T>C | 0 | 0 | 0 | 0 |
| 45 | 7 | 27626441 | C>G | 0 | 0 | 0 | 0 |
| 46 | 7 | 27626644 | T>C | 0 | 0 | 0 | 0 |
| 47 | 7 | 27639027 | T>C | 0 | 0.555 | 0 | 0.58 |
| 48 | 7 | 27686544 | G>A | 0 | 0 | 0 | 0 |
| 49 | 7 | 27817420 | G>A | 0 | 0.416666667 | 0 | 0 |
| 50 | 7 | 28022561 | G>A | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 7 | 28023808 | T>C | 0 | 0.303333333 | 0.346666667 | 0.38333333 |
| 3 | 7 | 28024560 | T>C | 0 | 0 | 0 | 0.58 |
| 4 | 7 | 28029353 | G>A | 0 | 0 | 0 | 0.33333333 |
| 5 | 7 | 28492814 | C>G | 0 | 0.333333333 | 0 | 0 |
| 6 | 7 | 28660662 | G>C | 0 | 0.513333333 | 0 | 0 |
| 7 | 7 | 28665230 | A>G | 0 | 0 | 0 | 0 |
| 8 | 7 | 29094888 | G>T | 0 | 0.313333333 | 0.416666667 | 0 |
| 9 | 7 | 29159780 | A>G | 0 | 0 | 0 | 0.58 |
| 10 | 7 | 29185604 | T>C | 0 | 0 | 0 | 0 |
| 11 | 7 | 29315357 | A>G | 0 | 0 | 0 | 0 |
| 12 | 7 | 29390521 | T>C | 0 | 0.303333333 | 0 | 0 |
| 13 | 7 | 29898235 | G>A | 0 | 0.606666667 | 0 | 0 |
| 14 | 7 | 29996930 | C>T | 0 | 0.555 | 0 | 0 |
| 15 | 7 | 30379923 | A>G | 0 | 0.555 | 0 | 0 |
| 16 | 7 | 30517245 | T>C | 0 | 0 | 0 | 0.5066667 |
| 17 | 7 | 30654217 | C>T | 0 | 0 | 0 | 0.7133333 |
| 18 | 7 | 30717578 | C>T | 0 | 0 | 0 | 0.5133333 |
| 19 | 7 | 30849547 | C>A | 0 | 0.431666667 | 0 | 0.3233333 |
| 20 | 7 | 30924944 | A>G | 0 | 0.555 | 0 | 0 |
| 21 | 7 | 31380293 | T>C | 0 | 0 | 0 | 0 |
| 22 | 7 | 31627996 | A>G | 0 | 0.361666667 | 0 | 0 |
| 23 | 7 | 31664829 | C>T | 0 | 0 | 0 | 0 |
| 24 | 7 | 31729464 | C>T | 0 | 0.606666667 | 0 | 0.3333333 |
| 25 | 7 | 31874427 | T>C | 0 | 0 | 0.303333333 | 0 |
| 26 | 7 | 31885342 | T>C | 0 | 0 | 0 | 0.3333333 |
| 27 | 7 | 31927743 | G>A | 0 | 0 | 0 | 0 |
| 28 | 7 | 31971611 | C>A | 0 | 0 | 0 | 0.4633333 |
| 29 | 7 | 31972428 | T>C | 0 | 0 | 0 | 0.3333333 |
| 30 | 7 | 32006016 | A>G | 0 | 0 | 0 | 0 |
| 31 | 7 | 32007216 | T>A | 0 | 0 | 0 | 0.7233333 |
| 32 | 7 | 32123687 | T>A | 0 | 0 | 0 | 0.3566667 |
| 33 | 7 | 32225523 | G>A | 0 | 0.606666667 | 0 | 0 |
| 34 | 7 | 32244061 | A>G | 0 | 0 | 0 | 0 |
| 35 | 7 | 32545042 | C>G | 0 | 0 | 0 | 0.3333333 |
| 36 | 7 | 32545043 | A>G | 0 | 0 | 0 | 0.3333333 |
| 37 | 7 | 32621231 | T>C | 0 | 0 | 0.4 | 0 |
| 38 | 7 | 32998844 | G>C | 0 | 0 | 0 | 0.5266667 |
| 39 | 7 | 33174677 | A>G | 0 | 0 | 0 | 0 |
| 40 | 7 | 33200862 | T>C | 0 | 0.463333333 | 0 | 0 |
| 41 | 7 | 33204644 | G>A | 0 | 0.37 | 0 | 0.35 |
| 42 | 7 | 33306623 | A>G | 0 | 0 | 0 | 0.3933333 |
| 43 | 7 | 33462481 | T>C | 0 | 0 | 0 | 0.7033333 |
| 44 | 7 | 33542251 | G>A | 0 | 0 | 0 | 0 |
| 45 | 7 | 33582846 | G>T | 0 | 0 | 0 | 0 |
| 46 | 7 | 33951923 | G>A | 0 | 0 | 0 | 0 |
| 47 | 7 | 33978978 | C>T | 0 | 0 | 0 | 0.6333333 |
| 48 | 7 | 34029069 | A>G | 0 | 0 | 0 | 0 |
| 49 | 7 | 34731535 | T>C | 0 | 0.356666667 | 0 | 0 |
| 50 | 7 | 34757032 | T>C | 0 | 0.761666667 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 7 | 35695744 | A>C | 0 | 0.555 | 0 | 0 |
| 3 | 7 | 35701211 | T>G | 0 | 0.486666667 | 0 | 0.30333333 |
| 4 | 7 | 35701434 | G>A | 0 | 0.333333333 | 0 | 0 |
| 5 | 7 | 35701790 | G>T | 0 | 0 | 0 | 0 |
| 6 | 7 | 35703084 | G>A | 0 | 0 | 0 | 0.35 |
| 7 | 7 | 35703165 | T>C | 0 | 0 | 0 | 0.4166667 |
| 8 | 7 | 36219543 | C>T | 0 | 0.445 | 0 | 0 |
| 9 | 7 | 36227684 | T>C | 0 | 0.613333333 | 0 | 0 |
| 10 | 7 | 36229730 | C>T | 0 | 0.316666667 | 0 | 0 |
| 11 | 7 | 36271993 | G>T | 0 | 0 | 0 | 0 |
| 12 | 7 | 36295906 | A>G | 0 | 0 | 0 | 0 |
| 13 | 7 | 36296361 | T>C | 0 | 0 | 0 | 0.5866667 |
| 14 | 7 | 36416439 | T>C | 0 | 0 | 0 | 0 |
| 15 | 7 | 36595996 | A>T | 0 | 0.555 | 0 | 0 |
| 16 | 7 | 36622640 | A>G | 0 | 0 | 0 | 0 |
| 17 | 7 | 36745310 | T>G | 0 | 0 | 0 | 0.4333333 |
| 18 | 7 | 36914999 | T>A | 0 | 0.555 | 0 | 1 |
| 19 | 7 | 37164123 | A>G | 0 | 0 | 0 | 0 |
| 20 | 7 | 37165694 | C>T | 0 | 0 | 0 | 0.4166667 |
| 21 | 7 | 37291665 | T>C | 0 | 0 | 0 | 0.5733333 |
| 22 | 7 | 37291917 | C>T | 0 | 0 | 0 | 0 |
| 23 | 7 | 37292938 | T>C | 0 | 0 | 0 | 0 |
| 24 | 7 | 37385067 | A>G | 0 | 0 | 0 | 0.4166667 |
| 25 | 7 | 37430789 | A>G | 0 | 0.431666667 | 0 | 0 |
| 26 | 7 | 37434912 | A>G | 0 | 0 | 0 | 0.38 |
| 27 | 7 | 37773014 | T>C | 0 | 0.376666667 | 0 | 0.3966667 |
| 28 | 7 | 38243388 | A>T | 0 | 0 | 0 | 0 |
| 29 | 7 | 38243513 | T>G | 0 | 0 | 0 | 0 |
| 30 | 7 | 38243678 | G>A | 0 | 0 | 0 | 0 |
| 31 | 7 | 38432206 | A>C | 0 | 0.356666667 | 0 | 0 |
| 32 | 7 | 38448157 | T>C | 0 | 0.313333333 | 0 | 0.4066667 |
| 33 | 7 | 38527606 | A>T | 0 | 0.346666667 | 0 | 0 |
| 34 | 7 | 38795163 | C>T | 0 | 0.666666667 | 0 | 0 |
| 35 | 7 | 38844892 | C>T | 0 | 0 | 0 | 0.5466667 |
| 36 | 7 | 38844893 | A>G | 0 | 0 | 0 | 0.6166667 |
| 37 | 7 | 38928052 | T>G | 0 | 0 | 0 | 0.6666667 |
| 38 | 7 | 39425539 | T>C | 0 | 0.445 | 0.333333333 | 0.35 |
| 39 | 7 | 39446398 | T>A | 0 | 0 | 0 | 0 |
| 40 | 7 | 39475830 | A>G | 0 | 0 | 0 | 0.5866667 |
| 41 | 7 | 39479817 | C>A | 0 | 0.625 | 0 | 0 |
| 42 | 7 | 39501028 | C>T | 0 | 0 | 0 | 0 |
| 43 | 7 | 39503770 | T>C | 0 | 0 | 0 | 0 |
| 44 | 7 | 39740907 | T>C | 0 | 0 | 0 | 0.37 |
| 45 | 7 | 39994407 | A>G | 0 | 0.455 | 0 | 0 |
| 46 | 7 | 40088539 | T>C | 0 | 0 | 0 | 0.3433333 |
| 47 | 7 | 40205636 | A>G | 0 | 0.345 | 0 | 0.5233333 |
| 48 | 7 | 40226800 | T>C | 0 | 0 | 0 | 0.4566667 |
| 49 | 7 | 40235567 | T>C | 0 | 0 | 0 | 0 |
| 50 | 7 | 40236321 | A>G | 0 | 0.346666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 7 | 40249186 | C>A | 0 | 0 | 0 | 0.46 |
| 3 | 7 | 40262895 | A>G | 0 | 0 | 0.445 | 0 |
| 4 | 7 | 40275101 | A>T | 0 | 0 | 0 | 0 |
| 5 | 7 | 40302704 | A>T | 0 | 0.416666667 | 0 | 0 |
| 6 | 7 | 40324023 | C>A | 0 | 0 | 0 | 0 |
| 7 | 7 | 40324025 | A>G | 0 | 0 | 0 | 0 |
| 8 | 7 | 40376655 | A>G | 0 | 0 | 0 | 0 |
| 9 | 7 | 40377092 | A>C | 0 | 0 | 0 | 0.39333333 |
| 10 | 7 | 40377913 | A>G | 0 | 0.308333333 | 0 | 0 |
| 11 | 7 | 40405482 | C>T | 0 | 0 | 0 | 0.35666667 |
| 12 | 7 | 40429791 | T>A | 0 | 0 | 0 | 0 |
| 13 | 7 | 40483734 | G>A | 0 | 0 | 0 | 0.46666667 |
| 14 | 7 | 40484457 | A>G | 0 | 0 | 0 | 0.37 |
| 15 | 7 | 40490133 | A>G | 0 | 0 | 0 | 0.48666667 |
| 16 | 7 | 40603755 | G>A | 0 | 0 | 0 | 0.37666667 |
| 17 | 7 | 40674818 | A>G | 0 | 0 | 0 | 0 |
| 18 | 7 | 40745927 | A>G | 0 | 0 | 0 | 0 |
| 19 | 7 | 40806060 | C>T | 0 | 0.4 | 0 | 0 |
| 20 | 7 | 40861643 | A>G | 0 | 0 | 0 | 0 |
| 21 | 7 | 40863664 | G>A | 0 | 0.555 | 0 | 0 |
| 22 | 7 | 42165069 | G>A | 0 | 0 | 0 | 0 |
| 23 | 7 | 42253296 | G>A | 0 | 0 | 0 | 0 |
| 24 | 7 | 43220218 | C>T | 0 | 0.431666667 | 0 | 0 |
| 25 | 7 | 43221571 | A>G | 0 | 0 | 0 | 0.47666667 |
| 26 | 7 | 43243320 | A>G | 0 | 0.445 | 0 | 0 |
| 27 | 7 | 43255854 | T>C | 0 | 0 | 0 | 0.34666667 |
| 28 | 7 | 43341254 | T>C | 0 | 0.313333333 | 0 | 0 |
| 29 | 7 | 43383287 | T>C | 0 | 0 | 0 | 0.47666667 |
| 30 | 7 | 43383530 | C>T | 0 | 0.431666667 | 0 | 0 |
| 31 | 7 | 43421398 | T>C | 0 | 0.455 | 0 | 0.47666667 |
| 32 | 7 | 43566403 | T>C | 0 | 0.303333333 | 0 | 0 |
| 33 | 7 | 43566405 | C>G | 0 | 0.333333333 | 0 | 0 |
| 34 | 7 | 43835690 | T>G | 0 | 0 | 0 | 0.66666667 |
| 35 | 7 | 43916439 | T>C | 0 | 0 | 0 | 0 |
| 36 | 7 | 43926103 | A>G | 0 | 0 | 0 | 0.68666667 |
| 37 | 7 | 44459946 | C>A | 0 | 0 | 0 | 0 |
| 38 | 7 | 44518067 | G>A | 0 | 0 | 0 | 0 |
| 39 | 7 | 44554411 | C>G | 0 | 0 | 0 | 0.58 |
| 40 | 7 | 44555954 | A>G | 0 | 0.6 | 0 | 0 |
| 41 | 7 | 44691582 | A>C | 0 | 0 | 0 | 0.53333333 |
| 42 | 7 | 44721721 | C>T | 0 | 0.37 | 0 | 0 |
| 43 | 7 | 44727696 | A>G | 0 | 0 | 0 | 0 |
| 44 | 7 | 44741823 | G>A | 0 | 0.5 | 0 | 0 |
| 45 | 7 | 44799746 | G>A | 0 | 0 | 0 | 0 |
| 46 | 7 | 45077838 | G>A | 0 | 0 | 0 | 0 |
| 47 | 7 | 45706965 | T>C | 0 | 0.361666667 | 0 | 0.55666667 |
| 48 | 7 | 47509493 | G>A | 0 | 0.316666667 | 0 | 0.37 |
| 49 | 7 | 47523003 | A>G | 0 | 0.416666667 | 0 | 0 |
| 50 | 7 | 48029426 | A>G | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 7 | 48041945 | T>C | 0 | 0 | 0 | 0 |
| 3 | 7 | 48044203 | G>A | 0 | 0.416666667 | 0 | 0 |
| 4 | 7 | 48058027 | T>C | 0 | 0.678333333 | 0 | 0 |
| 5 | 7 | 48326239 | T>C | 0 | 0 | 0 | 0 |
| 6 | 7 | 48342755 | G>A | 0 | 0.476666667 | 0 | 0 |
| 7 | 7 | 48397488 | T>C | 0 | 0.353333333 | 0 | 0 |
| 8 | 7 | 48411239 | A>T | 0 | 0 | 0 | 0 |
| 9 | 7 | 48411250 | G>T | 0 | 0 | 0 | 0 |
| 10 | 7 | 48486533 | T>C | 0 | 0 | 0 | 0 |
| 11 | 7 | 48486567 | A>G | 0 | 0 | 0 | 0 |
| 12 | 7 | 48636162 | G>T | 0 | 0 | 0 | 0.44 |
| 13 | 7 | 48644553 | C>A | 0 | 0.611666667 | 0 | 0 |
| 14 | 7 | 48645888 | T>C | 0 | 0 | 0 | 0 |
| 15 | 7 | 50048695 | C>T | 0 | 0.351666667 | 0 | 0 |
| 16 | 7 | 50082379 | G>A | 0 | 0 | 0 | 0.6466667 |
| 17 | 7 | 50085273 | T>C | 0 | 0 | 0 | 0.69 |
| 18 | 7 | 50365285 | G>T | 0 | 0.385 | 0 | 0 |
| 19 | 7 | 50468061 | C>G | 0 | 0 | 0 | 0 |
| 20 | 7 | 51157000 | G>C | 0 | 0.351666667 | 0 | 0 |
| 21 | 7 | 51215718 | G>C | 0 | 0.416666667 | 0 | 0 |
| 22 | 7 | 54624725 | T>C | 0 | 0 | 0 | 0.89 |
| 23 | 7 | 54826830 | G>C | 0 | 0 | 0 | 0 |
| 24 | 7 | 55161324 | C>T | 0 | 0.555 | 0 | 0 |
| 25 | 7 | 55870812 | A>G | 0 | 0 | 0 | 0 |
| 26 | 7 | 55918078 | C>A | 0 | 0 | 0 | 0 |
| 27 | 7 | 56008064 | A>G | 0 | 0 | 0 | 0 |
| 28 | 7 | 56017491 | G>T | 0 | 0.385 | 0 | 0.3133333 |
| 29 | 7 | 56042323 | T>C | 0 | 0 | 0 | 0.3166667 |
| 30 | 7 | 56082374 | T>C | 0 | 0.476666667 | 0 | 0 |
| 31 | 7 | 56103670 | T>C | 0 | 0 | 0 | 0 |
| 32 | 7 | 56170692 | T>C | 0 | 0 | 0 | 0 |
| 33 | 7 | 63693999 | G>A | 0 | 0.385 | 0 | 0 |
| 34 | 7 | 63999316 | T>C | 0 | 0 | 0 | 0.37 |
| 35 | 7 | 64364657 | T>G | 0 | 0 | 0 | 0 |
| 36 | 7 | 64464646 | T>C | 0 | 0 | 0.36 | 0 |
| 37 | 7 | 64853987 | T>C | 0 | 0.43 | 0 | 0.35 |
| 38 | 7 | 65418656 | A>C | 0 | 0 | 0 | 0 |
| 39 | 7 | 65544710 | G>A | 0 | 0 | 0 | 0 |
| 40 | 7 | 65549368 | T>C | 0 | 0 | 0 | 0 |
| 41 | 7 | 65549369 | G>A | 0 | 0 | 0 | 0 |
| 42 | 7 | 65586318 | A>G | 0 | 0.361666667 | 0 | 0 |
| 43 | 7 | 65719950 | T>C | 0 | 0 | 0 | 0 |
| 44 | 7 | 65733198 | T>C | 0 | 0 | 0 | 0.3133333 |
| 45 | 7 | 65733210 | G>A | 0 | 0 | 0 | 0 |
| 46 | 7 | 65760896 | A>G | 0 | 0.361666667 | 0 | 0 |
| 47 | 7 | 65774085 | A>T | 0 | 0 | 0 | 0 |
| 48 | 7 | 66214536 | A>G | 0 | 0.555 | 0 | 0.3333333 |
| 49 | 7 | 66272910 | A>G | 0 | 0.346666667 | 0 | 0 |
| 50 | 7 | 66402976 | A>G | 0 | 0 | 0 | 0.3166667 |
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| 7 | 66419117 | T>G | 0 | 0.5 | 0 | 0 |
| 7 | 69274343 | C>T | 0 | 0.351666667 | 0 | 0 |
| 7 | 69274355 | C>T | 0 | 0.513333333 | 0 | 0 |
| 7 | 69283282 | G>A | 0 | 0 | 0 | 0 |
| 7 | 69359103 | T>C | 0 | 0 | 0 | 0 |
| 7 | 69371480 | T>C | 0 | 0 | 0 | 0 |
| 7 | 69390580 | C>T | 0 | 0 | 0 | 0 |
| 7 | 69547559 | G>A | 0 | 0 | 0 | 0 |
| 7 | 69547597 | C>G | 0 | 0 | 0 | 0 |
| 7 | 69551456 | A>C | 0 | 0 | 0 | 0 |
| 7 | 69551458 | C>T | 0 | 0 | 0 | 0 |
| 7 | 69557422 | T>A | 0 | 0 | 0 | 0 |
| 7 | 69725148 | A>G | 0 | 0 | 0 | 0.3333333 |
| 7 | 69798297 | A>G | 0 | 0.486666667 | 0 | 0 |
| 7 | 69865899 | T>C | 0 | 0 | 0 | 0 |
| 7 | 69882288 | T>G | 0 | 0 | 0 | 0 |
| 7 | 69897796 | C>A | 0 | 0 | 0 | 0 |
| 7 | 69897873 | A>G | 0 | 0 | 0 | 0 |
| 7 | 69978427 | A>T | 0 | 0.695 | 0 | 0 |
| 7 | 69981161 | T>G | 0 | 0 | 0 | 0 |
| 7 | 70000589 | C>T | 0 | 0.325 | 0 | 0 |
| 7 | 70038542 | T>C | 0 | 0 | 0 | 0 |
| 7 | 70040130 | T>C | 0 | 0 | 0 | 0 |
| 7 | 70061018 | A>G | 0 | 0 | 0 | 0 |
| 7 | 70074649 | A>G | 0 | 0.396666667 | 0 | 0 |
| 7 | 70106318 | A>G | 0 | 0.378333333 | 0 | 0 |
| 7 | 70154108 | A>T | 0 | 0 | 0 | 0 |
| 7 | 70160580 | G>C | 0 | 0.5 | 0 | 0 |
| 7 | 70205909 | A>G | 0 | 0.333333333 | 0 | 0 |
| 7 | 70633297 | T>C | 0 | 0 | 0 | 0.3833333 |
| 7 | 70633311 | C>G | 0 | 0.568333333 | 0 | 0.3633333 |
| 7 | 70677882 | T>C | 0 | 0 | 0 | 0 |
| 7 | 70718227 | C>A | 0 | 0.513333333 | 0 | 0 |
| 7 | 70726153 | G>A | 0 | 0.455 | 0 | 0 |
| 7 | 70741888 | G>A | 0 | 0 | 0 | 0 |
| 7 | 70754709 | A>T | 0 | 0 | 0 | 0.47 |
| 7 | 70762266 | T>C | 0 | 0 | 0 | 0.4866667 |
| 7 | 70770947 | G>T | 0 | 0 | 0 | 0 |
| 7 | 70821905 | T>C | 0 | 0.435 | 0 | 0 |
| 7 | 70995817 | C>T | 0 | 0.476666667 | 0 | 0.4166667 |
| 7 | 71003410 | C>T | 0 | 0 | 0 | 0 |
| 7 | 71037004 | C>T | 0 | 0.391666667 | 0 | 0 |
| 7 | 71093485 | A>T | 0 | 0.403333333 | 0 | 0.52 |
| 7 | 71282763 | A>T | 0 | 0 | 0 | 0 |
| 7 | 71389012 | A>T | 0 | 0 | 0 | 0.4566667 |
| 7 | 71419082 | G>A | 0 | 0 | 0 | 0 |
| 7 | 71473733 | C>T | 0 | 0 | 0 | 0 |
| 7 | 71506897 | G>A | 0 | 0 | 0 | 0 |
| 7 | 71530643 | C>G | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-----|-----------|
| 1 | | | | | | | |
| 2 | 7 | 71561882 | C>T | 0 | 0 | 0 | 0.5566667 |
| 3 | 7 | 71632549 | T>C | 0 | 0 | 0 | 0.3266667 |
| 4 | 7 | 71686030 | C>T | 0 | 0.396666667 | 0 | 0.3333333 |
| 5 | 7 | 71720975 | G>A | 0 | 0.476666667 | 0 | 0 |
| 6 | 7 | 71765118 | T>G | 0 | 0.346666667 | 0 | 0 |
| 7 | 7 | 71791078 | C>G | 0 | 0.313333333 | 0 | 0.4433333 |
| 8 | 7 | 71791079 | A>G | 0 | 0 | 0 | 0.4766667 |
| 9 | 7 | 71847899 | A>G | 0 | 0.356666667 | 0 | 0 |
| 10 | 7 | 72899702 | A>G | 0 | 0.416666667 | 0 | 0 |
| 11 | 7 | 72900718 | G>A | 0 | 0 | 0 | 0 |
| 12 | 7 | 72932471 | T>C | 0 | 0 | 0 | 0 |
| 13 | 7 | 72966203 | G>A | 0 | 0.416666667 | 0 | 0 |
| 14 | 7 | 72967817 | T>C | 0 | 0 | 0 | 0 |
| 15 | 7 | 72990506 | G>A | 0 | 0.445 | 0 | 0 |
| 16 | 7 | 73018454 | A>G | 0 | 0 | 0 | 0 |
| 17 | 7 | 73034030 | A>G | 0 | 0 | 0 | 0.34 |
| 18 | 7 | 73451431 | G>A | 0 | 0.521666667 | 0 | 0 |
| 19 | 7 | 73520221 | A>C | 0 | 0 | 0 | 0 |
| 20 | 7 | 73525125 | T>C | 0 | 0 | 0 | 0.65 |
| 21 | 7 | 73525520 | A>G | 0 | 0.416666667 | 0 | 0 |
| 22 | 7 | 73601715 | T>C | 0 | 0 | 0 | 0 |
| 23 | 7 | 73661696 | A>G | 0 | 0.416666667 | 0 | 0 |
| 24 | 7 | 73740322 | T>A | 0 | 0 | 0 | 0.3866667 |
| 25 | 7 | 73747565 | A>G | 0 | 0 | 0 | 0.4633333 |
| 26 | 7 | 73812119 | C>T | 0 | 0.32 | 0 | 0 |
| 27 | 7 | 73817728 | A>G | 0 | 0.416666667 | 0 | 0 |
| 28 | 7 | 73899707 | A>G | 0 | 0 | 0 | 0 |
| 29 | 7 | 73906046 | C>T | 0 | 0 | 0 | 0.4333333 |
| 30 | 7 | 73980226 | G>A | 0 | 0.333333333 | 0 | 0 |
| 31 | 7 | 74000160 | A>G | 0 | 0.49 | 0 | 0 |
| 32 | 7 | 74122514 | A>G | 0 | 0 | 0 | 0 |
| 33 | 7 | 75200306 | C>T | 0 | 0 | 0 | 0.9533333 |
| 34 | 7 | 75204224 | T>G | 0 | 0 | 0.3 | 0 |
| 35 | 7 | 75214277 | A>C | 0 | 0 | 0 | 0 |
| 36 | 7 | 75223934 | G>A | 0 | 0.54 | 0 | 0 |
| 37 | 7 | 75231958 | C>T | 0 | 0 | 0 | 0.38 |
| 38 | 7 | 75235707 | A>G | 0 | 0.625 | 0 | 0 |
| 39 | 7 | 75253125 | T>C | 0 | 0.445 | 0 | 0 |
| 40 | 7 | 75259087 | C>T | 0 | 0.36 | 0 | 0.3333333 |
| 41 | 7 | 75273070 | A>C | 0 | 0.32 | 0 | 0 |
| 42 | 7 | 75294275 | C>T | 0 | 0 | 0 | 0 |
| 43 | 7 | 75304793 | C>T | 0 | 0 | 0 | 0 |
| 44 | 7 | 75304794 | C>A | 0 | 0 | 0 | 0 |
| 45 | 7 | 75309629 | A>G | 0 | 0 | 0 | 0.7133333 |
| 46 | 7 | 75318465 | G>C | 0 | 0.316666667 | 0 | 0 |
| 47 | 7 | 75335415 | A>G | 0 | 0.601666667 | 0 | 0.4166667 |
| 48 | 7 | 75356166 | C>T | 0 | 0 | 0 | 0 |
| 49 | 7 | 75356474 | G>T | 0 | 0.476666667 | 0 | 0 |
| 50 | 7 | 75452115 | T>C | 0 | 0.555 | 0 | 0 |
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|---|----------|-----|---|------------|------------|-----------|
| 7 | 75679568 | A>G | 0 | 0 | 0 | 0.35 |
| 7 | 75834559 | T>G | 0 | 0 | 0 | 0.4766667 |
| 7 | 75858394 | A>T | 0 | 0.32 | 0 | 0 |
| 7 | 75982750 | C>A | 0 | 0.37 | 0 | 0 |
| 7 | 76919273 | C>G | 0 | 0 | 0 | 0 |
| 7 | 76919274 | A>G | 0 | 0 | 0 | 0 |
| 7 | 76970798 | A>G | 0 | 0 | 0 | 0 |
| 7 | 76979305 | T>C | 0 | 0.4 | 0 | 0 |
| 7 | 76999595 | C>T | 0 | 0.41666667 | 0 | 0 |
| 7 | 77213991 | G>A | 0 | 0 | 0 | 0 |
| 7 | 77390216 | A>G | 0 | 0.40166667 | 0 | 0 |
| 7 | 77404794 | C>T | 0 | 0 | 0 | 0.3033333 |
| 7 | 77517622 | G>A | 0 | 0 | 0 | 0 |
| 7 | 77683524 | G>C | 0 | 0 | 0 | 0 |
| 7 | 77690271 | C>T | 0 | 0.39166667 | 0 | 0 |
| 7 | 77748848 | T>A | 0 | 0.66666667 | 0 | 0.46 |
| 7 | 77882000 | C>T | 0 | 0 | 0 | 0.3133333 |
| 7 | 77923349 | T>C | 0 | 0 | 0 | 0 |
| 7 | 77923351 | C>A | 0 | 0 | 0.34666667 | 0 |
| 7 | 77948127 | G>A | 0 | 0 | 0 | 0 |
| 7 | 77951383 | C>A | 0 | 0 | 0 | 0.43 |
| 7 | 78010571 | A>G | 0 | 0.38833333 | 0 | 0 |
| 7 | 78033500 | A>G | 0 | 0.35166667 | 0 | 0 |
| 7 | 78033523 | A>G | 0 | 0 | 0 | 0 |
| 7 | 78281712 | T>C | 0 | 0 | 0 | 0.4166667 |
| 7 | 78281713 | G>C | 0 | 0 | 0 | 0.4033333 |
| 7 | 78297535 | C>T | 0 | 0.31333333 | 0 | 0.4333333 |
| 7 | 78442853 | A>G | 0 | 0.405 | 0 | 0.5566667 |
| 7 | 78485538 | C>G | 0 | 0 | 0 | 0 |
| 7 | 78505519 | A>G | 0 | 0 | 0 | 0 |
| 7 | 78521557 | T>A | 0 | 0 | 0 | 0.4 |
| 7 | 78718752 | T>C | 0 | 0.64833333 | 0 | 0 |
| 7 | 78752225 | T>C | 0 | 0.4 | 0.41666667 | 0 |
| 7 | 79073787 | C>G | 0 | 0 | 0.43166667 | 0.4766667 |
| 7 | 80036515 | C>T | 0 | 0 | 0 | 0.5266667 |
| 7 | 80429219 | A>G | 0 | 0.41666667 | 0 | 0.57 |
| 7 | 81341164 | G>T | 0 | 0 | 0 | 0 |
| 7 | 81684745 | A>C | 0 | 0 | 0.385 | 0 |
| 7 | 81918188 | T>A | 0 | 0 | 0 | 0 |
| 7 | 81932421 | C>T | 0 | 0 | 0 | 0.3033333 |
| 7 | 82035949 | T>C | 0 | 0 | 0 | 0 |
| 7 | 82045450 | C>G | 0 | 0.31333333 | 0 | 0 |
| 7 | 82450438 | C>T | 0 | 0 | 0 | 0 |
| 7 | 82450453 | A>G | 0 | 0 | 0 | 0 |
| 7 | 82450549 | T>G | 0 | 0 | 0 | 0 |
| 7 | 82450564 | T>C | 0 | 0 | 0 | 0 |
| 7 | 82450589 | G>C | 0 | 0 | 0 | 0 |
| 7 | 82520798 | A>C | 0 | 0 | 0 | 0 |
| 7 | 82579375 | A>G | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 7 | 82604309 | T>G | 0 | 0.323333333 | 0 | 0 |
| 3 | 7 | 82641731 | T>C | 0 | 0.333333333 | 0 | 0 |
| 4 | 7 | 82791384 | T>C | 0 | 0.606666667 | 0 | 0 |
| 5 | 7 | 83060929 | T>A | 0 | 0.463333333 | 0 | 0 |
| 6 | 7 | 83093014 | A>G | 0 | 0 | 0 | 0.51333333 |
| 7 | 7 | 83109708 | T>C | 0 | 0 | 0 | 0 |
| 8 | 7 | 83214143 | C>T | 0 | 0.356666667 | 0 | 0 |
| 9 | 7 | 83596234 | T>C | 0 | 0 | 0 | 0 |
| 10 | 7 | 83596235 | T>C | 0 | 0 | 0 | 0 |
| 11 | 7 | 83607169 | A>G | 0 | 0 | 0 | 0.38666667 |
| 12 | 7 | 83654334 | C>T | 0 | 0.316666667 | 0 | 0 |
| 13 | 7 | 83794407 | T>C | 0 | 0.513333333 | 0 | 0 |
| 14 | 7 | 84630508 | A>G | 0 | 0 | 0 | 0 |
| 15 | 7 | 86274159 | C>T | 0 | 0 | 0 | 0 |
| 16 | 7 | 86274226 | C>T | 0 | 0 | 0 | 0 |
| 17 | 7 | 86613946 | T>A | 0 | 0.625 | 0 | 0 |
| 18 | 7 | 86651775 | A>T | 0 | 0.526666667 | 0 | 0 |
| 19 | 7 | 86653352 | G>T | 0 | 0 | 0 | 0 |
| 20 | 7 | 86670424 | T>C | 0 | 0.595 | 0 | 0.32333333 |
| 21 | 7 | 86687744 | G>A | 0 | 0 | 0 | 0 |
| 22 | 7 | 87097632 | A>G | 0 | 0.416666667 | 0 | 0.75666667 |
| 23 | 7 | 87098104 | A>G | 0 | 0 | 0 | 0 |
| 24 | 7 | 87099265 | T>C | 0 | 0.37 | 0 | 0 |
| 25 | 7 | 87145463 | G>A | 0 | 0 | 0 | 0.51333333 |
| 26 | 7 | 87202615 | C>T | 0 | 0 | 0 | 0 |
| 27 | 7 | 87234522 | G>T | 0 | 0.351666667 | 0 | 0 |
| 28 | 7 | 87234549 | C>A | 0 | 0.435 | 0 | 0 |
| 29 | 7 | 87451967 | C>T | 0 | 0.333333333 | 0 | 0 |
| 30 | 7 | 87584638 | T>C | 0 | 0 | 0 | 0.36 |
| 31 | 7 | 87640639 | A>G | 0 | 0 | 0 | 0.37 |
| 32 | 7 | 87709340 | T>C | 0 | 0.356666667 | 0 | 0 |
| 33 | 7 | 87813625 | T>C | 0 | 0 | 0 | 0 |
| 34 | 7 | 87813742 | T>G | 0 | 0 | 0 | 0 |
| 35 | 7 | 88503998 | C>T | 0 | 0.303333333 | 0 | 0.83333333 |
| 36 | 7 | 88749764 | C>G | 0 | 0.37 | 0 | 0 |
| 37 | 7 | 88908290 | T>C | 0 | 0 | 0 | 0 |
| 38 | 7 | 88950673 | G>A | 0 | 0 | 0 | 0 |
| 39 | 7 | 88965963 | T>A | 0 | 0 | 0 | 0 |
| 40 | 7 | 89875702 | G>A | 0 | 0 | 0 | 0 |
| 41 | 7 | 89989173 | C>A | 0 | 0.341666667 | 0 | 0.47666667 |
| 42 | 7 | 90361139 | A>C | 0 | 0 | 0 | 0.35 |
| 43 | 7 | 90361841 | C>T | 0 | 0 | 0 | 0.41666667 |
| 44 | 7 | 90363638 | G>T | 0 | 0.583333333 | 0 | 0 |
| 45 | 7 | 90436432 | T>C | 0 | 0.555 | 0.343333333 | 0.70666667 |
| 46 | 7 | 90440377 | G>A | 0 | 0.455 | 0 | 0 |
| 47 | 7 | 90515039 | G>A | 0 | 0 | 0 | 0 |
| 48 | 7 | 90543004 | G>T | 0 | 0 | 0 | 0 |
| 49 | 7 | 90688010 | C>A | 0 | 0 | 0 | 0.61666667 |
| 50 | 7 | 90688254 | T>C | 0 | 0 | 0 | 0 |
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| 7 | 90688397 | G>T | 0 | 0.445 | 0 | 0 |
| 7 | 90689140 | G>C | 0 | 0 | 0.333333333 | 0.5866667 |
| 7 | 90704441 | T>C | 0 | 0.356666667 | 0 | 0 |
| 7 | 90706256 | T>C | 0 | 0 | 0 | 0.4166667 |
| 7 | 90706425 | C>T | 0 | 0 | 0 | 0 |
| 7 | 90798697 | A>G | 0 | 0 | 0 | 0 |
| 7 | 90823990 | T>C | 0 | 0 | 0 | 0 |
| 7 | 91611976 | A>G | 0 | 0.351666667 | 0 | 0 |
| 7 | 91613466 | T>A | 0 | 0.625 | 0 | 0 |
| 7 | 91613484 | T>C | 0 | 0.463333333 | 0 | 0 |
| 7 | 91633846 | T>C | 0 | 0 | 0 | 0.3833333 |
| 7 | 91693271 | C>T | 0 | 0 | 0 | 0 |
| 7 | 91723254 | A>T | 0 | 0.333333333 | 0 | 0.72 |
| 7 | 91723898 | G>C | 0 | 0.333333333 | 0 | 0.9366667 |
| 7 | 91833833 | C>G | 0 | 0 | 0 | 0.91 |
| 7 | 91886858 | A>G | 0 | 0.4 | 0 | 0 |
| 7 | 92012165 | C>A | 0 | 0 | 0 | 0 |
| 7 | 92012962 | C>T | 0 | 0.455 | 0 | 0 |
| 7 | 92027154 | A>C | 0 | 0 | 0 | 0 |
| 7 | 92327723 | G>T | 0 | 0 | 0 | 0 |
| 7 | 92384790 | T>C | 0 | 0 | 0 | 0 |
| 7 | 92388087 | G>A | 0 | 0 | 0 | 0 |
| 7 | 92442856 | T>C | 0 | 0 | 0 | 0 |
| 7 | 92740003 | G>A | 0 | 0 | 0.356666667 | 0 |
| 7 | 92953668 | A>G | 0 | 0.513333333 | 0 | 0 |
| 7 | 92954536 | T>G | 0 | 0.648333333 | 0 | 0 |
| 7 | 93119362 | A>G | 0 | 0.513333333 | 0 | 0 |
| 7 | 93119364 | G>T | 0 | 0.476666667 | 0 | 0.31 |
| 7 | 93170539 | G>A | 0 | 0 | 0 | 0 |
| 7 | 94293172 | A>C | 0 | 0 | 0 | 0 |
| 7 | 94293820 | G>C | 0 | 0 | 0 | 0 |
| 7 | 94594011 | A>G | 0 | 0 | 0 | 0 |
| 7 | 94594299 | C>T | 0 | 0.346666667 | 0 | 0 |
| 7 | 94595737 | G>C | 0 | 0 | 0 | 0.4333333 |
| 7 | 94614369 | T>A | 0 | 0 | 0 | 0 |
| 7 | 94651921 | A>G | 0 | 0.445 | 0 | 0 |
| 7 | 94675577 | C>G | 0 | 0 | 0 | 0.31 |
| 7 | 94767434 | T>C | 0 | 0 | 0 | 0 |
| 7 | 94788974 | A>G | 0 | 0 | 0 | 0.4433333 |
| 7 | 94809987 | C>T | 0 | 0 | 0 | 0 |
| 7 | 94844712 | C>T | 0 | 0 | 0 | 0.4266667 |
| 7 | 94846155 | T>C | 0 | 0 | 0.316666667 | 0 |
| 7 | 94875825 | C>T | 0 | 0.385 | 0 | 0 |
| 7 | 94943410 | A>C | 0 | 0.365 | 0 | 0.3833333 |
| 7 | 95012694 | A>G | 0 | 0.378333333 | 0 | 0 |
| 7 | 95521947 | T>C | 0 | 0 | 0 | 0 |
| 7 | 95554872 | A>G | 0 | 0 | 0 | 0 |
| 7 | 95573886 | T>C | 0 | 0 | 0 | 0 |
| 7 | 95705499 | A>G | 0 | 0 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 7 | 95888107 | T>C | 0 | 0 | 0 | 0.41666667 |
| 3 | 7 | 95919619 | A>G | 0 | 0.4 | 0 | 0 |
| 4 | 7 | 95921103 | C>T | 0 | 0 | 0 | 0 |
| 5 | 7 | 96654004 | G>A | 0 | 0 | 0 | 0 |
| 6 | 7 | 97939237 | T>C | 0 | 0 | 0 | 0 |
| 7 | 7 | 97949143 | A>G | 0 | 0.325 | 0 | 0 |
| 8 | 7 | 97956812 | T>C | 0 | 0.451666667 | 0 | 0 |
| 9 | 7 | 97999478 | A>G | 0 | 0.476666667 | 0 | 0 |
| 10 | 7 | 98019507 | A>G | 0 | 0.333333333 | 0 | 0 |
| 11 | 7 | 98465590 | A>G | 0 | 0.58 | 0 | 0 |
| 12 | 7 | 98494674 | G>A | 0 | 0.583333333 | 0 | 0 |
| 13 | 7 | 98550422 | G>T | 0 | 0.606666667 | 0 | 0 |
| 14 | 7 | 98574830 | C>G | 0 | 0 | 0 | 0.63 |
| 15 | 7 | 98644259 | A>G | 0 | 0.385 | 0 | 0 |
| 16 | 7 | 98647624 | A>G | 0 | 0.463333333 | 0 | 0 |
| 17 | 7 | 98647778 | C>T | 0 | 0 | 0 | 0.66666667 |
| 18 | 7 | 98787478 | A>G | 0 | 0 | 0 | 0.54 |
| 19 | 7 | 98931887 | T>A | 0 | 0.323333333 | 0 | 0 |
| 20 | 7 | 99001152 | C>T | 0 | 0 | 0 | 0 |
| 21 | 7 | 99094230 | T>G | 0 | 0 | 0.325 | 0 |
| 22 | 7 | 99250925 | C>T | 0 | 0.431666667 | 0 | 0 |
| 23 | 7 | 99252647 | C>A | 0 | 0 | 0 | 0.53666667 |
| 24 | 7 | 99255659 | G>A | 0 | 0.49 | 0 | 0 |
| 25 | 7 | 99653797 | C>T | 0 | 0 | 0 | 0.36333333 |
| 26 | 7 | 99691275 | A>T | 0 | 0 | 0 | 0 |
| 27 | 7 | 99702251 | T>C | 0 | 0 | 0 | 0 |
| 28 | 7 | 99703150 | G>A | 0 | 0 | 0 | 0 |
| 29 | 7 | 99804273 | C>T | 0 | 0 | 0 | 0.43333333 |
| 30 | 7 | 99810204 | A>G | 0 | 0.333333333 | 0 | 0 |
| 31 | 7 | 99990799 | G>A | 0 | 0.43 | 0 | 0 |
| 32 | 7 | 1E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 33 | 7 | 1E+08 | A>C | 0 | 0 | 0 | 0 |
| 34 | 7 | 1E+08 | G>A | 0 | 0 | 0 | 0 |
| 35 | 7 | 1E+08 | T>C | 0 | 0.438333333 | 0 | 0 |
| 36 | 7 | 1E+08 | G>T | 0 | 0 | 0 | 0 |
| 37 | 7 | 1E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 38 | 7 | 1E+08 | G>A | 0 | 0.486666667 | 0 | 0.34 |
| 39 | 7 | 1E+08 | G>T | 0 | 0 | 0 | 0 |
| 40 | 7 | 1E+08 | T>G | 0 | 0 | 0 | 0.32666667 |
| 41 | 7 | 1E+08 | T>C | 0 | 0.381666667 | 0 | 0 |
| 42 | 7 | 1E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 43 | 7 | 1.01E+08 | T>C | 0 | 0 | 0 | 0 |
| 44 | 7 | 1.01E+08 | G>A | 0 | 0.308333333 | 0 | 0 |
| 45 | 7 | 1.01E+08 | G>A | 0 | 0.385 | 0.303333333 | 0 |
| 46 | 7 | 1.01E+08 | G>T | 0 | 0.333333333 | 0 | 0.74 |
| 47 | 7 | 1.01E+08 | C>G | 0 | 0 | 0 | 0 |
| 48 | 7 | 1.01E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 49 | 7 | 1.01E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 50 | 7 | 1.01E+08 | G>A | 0 | 0 | 0 | 0.35333333 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 7 | 1.01E+08 | C>A | 0 | 0 | 0 | 0 |
| 3 | 7 | 1.01E+08 | A>G | 0 | 0.476666667 | 0 | 0.30333333 |
| 4 | 7 | 1.01E+08 | T>C | 0 | 0.49 | 0 | 0.34 |
| 5 | 7 | 1.02E+08 | G>A | 0 | 0.356666667 | 0 | 0 |
| 6 | 7 | 1.02E+08 | A>G | 0 | 0 | 0 | 0.5566667 |
| 7 | 7 | 1.02E+08 | A>G | 0 | 0 | 0.333333333 | 0 |
| 8 | 7 | 1.02E+08 | A>G | 0 | 0 | 0 | 0 |
| 9 | 7 | 1.02E+08 | T>C | 0 | 0.416666667 | 0.351666667 | 0 |
| 10 | 7 | 1.02E+08 | T>C | 0 | 0 | 0 | 0.3766667 |
| 11 | 7 | 1.02E+08 | C>T | 0 | 0 | 0 | 0.50333333 |
| 12 | 7 | 1.02E+08 | A>C | 0 | 0 | 0 | 0 |
| 13 | 7 | 1.02E+08 | G>C | 0 | 0 | 0 | 0 |
| 14 | 7 | 1.02E+08 | C>T | 0 | 0.333333333 | 0 | 0.6066667 |
| 15 | 7 | 1.02E+08 | A>G | 0 | 0.555 | 0.333333333 | 0 |
| 16 | 7 | 1.02E+08 | A>G | 0 | 0 | 0.351666667 | 0 |
| 17 | 7 | 1.02E+08 | G>A | 0 | 0.396666667 | 0 | 0 |
| 18 | 7 | 1.03E+08 | G>C | 0 | 0 | 0 | 0 |
| 19 | 7 | 1.03E+08 | A>G | 0 | 0.576666667 | 0 | 0.31 |
| 20 | 7 | 1.03E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 21 | 7 | 1.03E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 22 | 7 | 1.03E+08 | T>G | 0 | 0 | 0 | 0.35 |
| 23 | 7 | 1.03E+08 | T>C | 0 | 0 | 0 | 0.83333333 |
| 24 | 7 | 1.03E+08 | T>C | 0 | 0 | 0 | 0.4766667 |
| 25 | 7 | 1.03E+08 | G>T | 0 | 0.346666667 | 0 | 0 |
| 26 | 7 | 1.03E+08 | C>A | 0 | 0 | 0 | 0 |
| 27 | 7 | 1.03E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 28 | 7 | 1.03E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 29 | 7 | 1.03E+08 | A>G | 0 | 0 | 0 | 0 |
| 30 | 7 | 1.03E+08 | T>G | 0 | 0 | 0 | 0 |
| 31 | 7 | 1.03E+08 | T>C | 0 | 0.316666667 | 0 | 0 |
| 32 | 7 | 1.03E+08 | C>A | 0 | 0 | 0 | 0 |
| 33 | 7 | 1.03E+08 | G>A | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.03E+08 | T>G | 0 | 0.313333333 | 0.555 | 0 |
| 35 | 7 | 1.03E+08 | T>C | 0 | 0 | 0 | 0 |
| 36 | 7 | 1.03E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 37 | 7 | 1.03E+08 | T>G | 0 | 0.303333333 | 0 | 0 |
| 38 | 7 | 1.03E+08 | A>G | 0 | 0.303333333 | 0 | 0.4166667 |
| 39 | 7 | 1.03E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 40 | 7 | 1.03E+08 | A>C | 0 | 0 | 0 | 0.62 |
| 41 | 7 | 1.03E+08 | T>G | 0 | 0 | 0 | 0 |
| 42 | 7 | 1.03E+08 | A>C | 0 | 0.316666667 | 0 | 0 |
| 43 | 7 | 1.03E+08 | A>T | 0 | 0 | 0 | 0 |
| 44 | 7 | 1.03E+08 | T>C | 0 | 0.416666667 | 0 | 0.33333333 |
| 45 | 7 | 1.04E+08 | T>C | 0 | 0 | 0 | 0 |
| 46 | 7 | 1.04E+08 | G>A | 0 | 0.476666667 | 0.351666667 | 0 |
| 47 | 7 | 1.04E+08 | A>G | 0 | 0.391666667 | 0 | 0 |
| 48 | 7 | 1.04E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 49 | 7 | 1.04E+08 | A>C | 0 | 0 | 0 | 0.38 |
| 50 | 7 | 1.04E+08 | T>C | 0 | 0.445 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 7 | 1.04E+08 | G>T | 0 | 0.666666667 | 0 | 0 |
| 3 | 7 | 1.04E+08 | G>T | 0 | 0.303333333 | 0 | 0 |
| 4 | 7 | 1.04E+08 | G>T | 0 | 0 | 0 | 0.5 |
| 5 | 7 | 1.04E+08 | A>T | 0 | 0 | 0 | 0 |
| 6 | 7 | 1.04E+08 | A>G | 0 | 0.313333333 | 0 | 0.38333333 |
| 7 | 7 | 1.04E+08 | T>C | 0 | 0 | 0 | 0 |
| 8 | 7 | 1.05E+08 | A>G | 0 | 0.36 | 0 | 0 |
| 9 | 7 | 1.05E+08 | T>C | 0 | 0.395 | 0 | 0 |
| 10 | 7 | 1.05E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 11 | 7 | 1.05E+08 | A>T | 0 | 0.53 | 0 | 0.30333333 |
| 12 | 7 | 1.05E+08 | A>C | 0 | 0 | 0 | 0 |
| 13 | 7 | 1.05E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 14 | 7 | 1.05E+08 | G>A | 0 | 0 | 0 | 0 |
| 15 | 7 | 1.05E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 16 | 7 | 1.05E+08 | G>A | 0 | 0 | 0.333333333 | 0 |
| 17 | 7 | 1.05E+08 | A>G | 0 | 0 | 0 | 0 |
| 18 | 7 | 1.05E+08 | A>G | 0 | 0 | 0 | 0.38333333 |
| 19 | 7 | 1.05E+08 | A>T | 0 | 0 | 0 | 0 |
| 20 | 7 | 1.05E+08 | T>C | 0 | 0 | 0 | 0 |
| 21 | 7 | 1.05E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 7 | 1.05E+08 | C>A | 0 | 0 | 0 | 0 |
| 23 | 7 | 1.05E+08 | A>G | 0 | 0 | 0 | 0 |
| 24 | 7 | 1.06E+08 | G>T | 0 | 0 | 0 | 0 |
| 25 | 7 | 1.07E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 26 | 7 | 1.07E+08 | G>T | 0 | 0.613333333 | 0 | 0 |
| 27 | 7 | 1.07E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 28 | 7 | 1.07E+08 | C>A | 0 | 0.49 | 0 | 0 |
| 29 | 7 | 1.07E+08 | T>C | 0 | 0 | 0 | 0 |
| 30 | 7 | 1.07E+08 | A>G | 0 | 0.351666667 | 0 | 0 |
| 31 | 7 | 1.07E+08 | T>G | 0 | 0 | 0 | 0 |
| 32 | 7 | 1.07E+08 | A>C | 0 | 0.316666667 | 0 | 0 |
| 33 | 7 | 1.07E+08 | A>C | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.07E+08 | T>C | 0 | 0.466666667 | 0 | 0 |
| 35 | 7 | 1.07E+08 | T>A | 0 | 0.353333333 | 0 | 0 |
| 36 | 7 | 1.07E+08 | T>G | 0 | 0 | 0.438333333 | 0 |
| 37 | 7 | 1.07E+08 | T>G | 0 | 0 | 0.521666667 | 0 |
| 38 | 7 | 1.07E+08 | C>T | 0 | 0 | 0 | 0 |
| 39 | 7 | 1.07E+08 | T>A | 0 | 0.5 | 0 | 0 |
| 40 | 7 | 1.07E+08 | A>G | 0 | 0.466666667 | 0 | 0.43333333 |
| 41 | 7 | 1.07E+08 | G>A | 0 | 0 | 0 | 0 |
| 42 | 7 | 1.07E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 43 | 7 | 1.07E+08 | G>T | 0 | 0 | 0 | 0 |
| 44 | 7 | 1.08E+08 | T>C | 0 | 0.49 | 0 | 0 |
| 45 | 7 | 1.08E+08 | A>T | 0 | 0.365 | 0 | 0 |
| 46 | 7 | 1.08E+08 | T>C | 0 | 0.403333333 | 0 | 0 |
| 47 | 7 | 1.08E+08 | A>G | 0 | 0 | 0 | 0.5966667 |
| 48 | 7 | 1.08E+08 | G>A | 0 | 0 | 0.416666667 | 0.49333333 |
| 49 | 7 | 1.08E+08 | A>T | 0 | 0 | 0 | 0 |
| 50 | 7 | 1.08E+08 | T>A | 0 | 0 | 0 | 0 |
| 51 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 52 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 53 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 54 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 55 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 56 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 57 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 58 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 59 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 60 | 7 | 1.08E+08 | T>C | 0 | 0.303333333 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 7 | 1.08E+08 | A>G | 0 | 0.416666667 | 0 | 0.33333333 |
| 3 | 7 | 1.1E+08 | A>C | 0 | 0.455 | 0 | 0 |
| 4 | 7 | 1.1E+08 | G>A | 0 | 0 | 0 | 0.4166667 |
| 5 | 7 | 1.1E+08 | T>C | 0 | 0 | 0 | 0.45333333 |
| 6 | 7 | 1.1E+08 | G>A | 0 | 0.303333333 | 0 | 0 |
| 7 | 7 | 1.1E+08 | C>T | 0 | 0 | 0 | 0 |
| 8 | 7 | 1.11E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 9 | 7 | 1.11E+08 | A>T | 0 | 0.333333333 | 0 | 0 |
| 10 | 7 | 1.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 11 | 7 | 1.11E+08 | C>T | 0 | 0.308333333 | 0 | 0.33333333 |
| 12 | 7 | 1.11E+08 | T>A | 0 | 0.555 | 0 | 0 |
| 13 | 7 | 1.11E+08 | A>G | 0 | 0 | 0 | 0 |
| 14 | 7 | 1.11E+08 | A>C | 0 | 0 | 0 | 0 |
| 15 | 7 | 1.11E+08 | A>T | 0 | 0.303333333 | 0 | 0.89 |
| 16 | 7 | 1.11E+08 | A>G | 0 | 0.526666667 | 0 | 0 |
| 17 | 7 | 1.11E+08 | G>T | 0 | 0.37 | 0 | 0 |
| 18 | 7 | 1.11E+08 | C>G | 0 | 0 | 0 | 0.77 |
| 19 | 7 | 1.11E+08 | A>G | 0 | 0.466666667 | 0 | 0.38333333 |
| 20 | 7 | 1.11E+08 | G>C | 0 | 0 | 0 | 0.33333333 |
| 21 | 7 | 1.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 22 | 7 | 1.12E+08 | A>G | 0 | 0.493333333 | 0 | 0 |
| 23 | 7 | 1.12E+08 | T>A | 0 | 0 | 0 | 0.31 |
| 24 | 7 | 1.12E+08 | G>A | 0 | 0.396666667 | 0 | 0 |
| 25 | 7 | 1.12E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 26 | 7 | 1.12E+08 | A>T | 0 | 0 | 0 | 0.3 |
| 27 | 7 | 1.12E+08 | T>G | 0 | 0 | 0 | 0 |
| 28 | 7 | 1.12E+08 | A>G | 0 | 0 | 0 | 0 |
| 29 | 7 | 1.12E+08 | T>G | 0 | 0 | 0 | 0.39333333 |
| 30 | 7 | 1.12E+08 | A>G | 0 | 0.356666667 | 0 | 0 |
| 31 | 7 | 1.12E+08 | G>T | 0 | 0.37 | 0 | 0 |
| 32 | 7 | 1.13E+08 | T>C | 0 | 0 | 0 | 0 |
| 33 | 7 | 1.14E+08 | G>A | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.14E+08 | A>T | 0 | 0 | 0 | 0 |
| 35 | 7 | 1.14E+08 | C>T | 0 | 0 | 0.606666667 | 0 |
| 36 | 7 | 1.14E+08 | C>A | 0 | 0 | 0 | 0.5566667 |
| 37 | 7 | 1.14E+08 | G>A | 0 | 0.345 | 0 | 0 |
| 38 | 7 | 1.16E+08 | T>G | 0 | 0.555 | 0 | 0 |
| 39 | 7 | 1.16E+08 | G>C | 0 | 0.438333333 | 0 | 0 |
| 40 | 7 | 1.16E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 41 | 7 | 1.16E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 42 | 7 | 1.16E+08 | G>A | 0 | 0 | 0 | 0.33333333 |
| 43 | 7 | 1.16E+08 | T>C | 0 | 0 | 0 | 0 |
| 44 | 7 | 1.17E+08 | C>G | 0 | 0.486666667 | 0 | 0 |
| 45 | 7 | 1.17E+08 | A>G | 0 | 0.445 | 0 | 0 |
| 46 | 7 | 1.17E+08 | G>C | 0 | 0 | 0 | 0.51333333 |
| 47 | 7 | 1.17E+08 | A>G | 0 | 0 | 0.345 | 0.36333333 |
| 48 | 7 | 1.17E+08 | C>G | 0 | 0 | 0 | 0 |
| 49 | 7 | 1.17E+08 | T>C | 0 | 0 | 0 | 0 |
| 50 | 7 | 1.17E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 7 | 1.2E+08 | G>A | 0 | 0.303333333 | 0 | 0 |
| 3 | 7 | 1.2E+08 | G>C | 0 | 0 | 0.416666667 | 0 |
| 4 | 7 | 1.2E+08 | C>G | 0 | 0.513333333 | 0 | 0 |
| 5 | 7 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 6 | 7 | 1.2E+08 | G>T | 0 | 0.5 | 0 | 0 |
| 7 | 7 | 1.21E+08 | C>T | 0 | 0 | 0 | 0 |
| 8 | 7 | 1.21E+08 | T>G | 0 | 0 | 0 | 0 |
| 9 | 7 | 1.21E+08 | A>G | 0 | 0 | 0 | 0.3333333 |
| 10 | 7 | 1.21E+08 | A>T | 0 | 0 | 0 | 0 |
| 11 | 7 | 1.21E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 12 | 7 | 1.21E+08 | T>A | 0 | 0 | 0 | 0.5133333 |
| 13 | 7 | 1.21E+08 | A>G | 0 | 0 | 0 | 0 |
| 14 | 7 | 1.21E+08 | C>A | 0 | 0 | 0 | 0 |
| 15 | 7 | 1.21E+08 | C>A | 0 | 0 | 0 | 0.7233333 |
| 16 | 7 | 1.21E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 17 | 7 | 1.22E+08 | G>A | 0 | 0 | 0 | 0 |
| 18 | 7 | 1.22E+08 | G>A | 0 | 0.356666667 | 0 | 0 |
| 19 | 7 | 1.22E+08 | C>T | 0 | 0 | 0 | 0 |
| 20 | 7 | 1.22E+08 | T>C | 0 | 0.571666667 | 0 | 0.3633333 |
| 21 | 7 | 1.22E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 22 | 7 | 1.22E+08 | C>T | 0 | 0 | 0 | 0 |
| 23 | 7 | 1.22E+08 | A>G | 0 | 0 | 0 | 0 |
| 24 | 7 | 1.22E+08 | G>C | 0 | 0 | 0 | 0 |
| 25 | 7 | 1.22E+08 | A>T | 0 | 0 | 0 | 0 |
| 26 | 7 | 1.22E+08 | C>G | 0 | 0 | 0 | 0 |
| 27 | 7 | 1.22E+08 | A>G | 0 | 0.308333333 | 0 | 0 |
| 28 | 7 | 1.23E+08 | A>G | 0 | 0 | 0 | 0 |
| 29 | 7 | 1.23E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 30 | 7 | 1.23E+08 | T>A | 0 | 0 | 0 | 0.4166667 |
| 31 | 7 | 1.23E+08 | A>G | 0 | 0 | 0 | 0 |
| 32 | 7 | 1.23E+08 | T>C | 0 | 0 | 0 | 0 |
| 33 | 7 | 1.23E+08 | G>A | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.23E+08 | G>C | 0 | 0.313333333 | 0 | 0.77 |
| 35 | 7 | 1.23E+08 | A>T | 0 | 0.356666667 | 0 | 0 |
| 36 | 7 | 1.23E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 37 | 7 | 1.24E+08 | T>A | 0 | 0 | 0 | 0 |
| 38 | 7 | 1.25E+08 | C>A | 0 | 0 | 0 | 0 |
| 39 | 7 | 1.25E+08 | A>G | 0 | 0.381666667 | 0 | 0 |
| 40 | 7 | 1.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 41 | 7 | 1.25E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 42 | 7 | 1.25E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 43 | 7 | 1.25E+08 | A>G | 0 | 0 | 0 | 0.37 |
| 44 | 7 | 1.26E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 45 | 7 | 1.26E+08 | A>G | 0 | 0 | 0 | 0 |
| 46 | 7 | 1.26E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 47 | 7 | 1.26E+08 | T>C | 0 | 0.74 | 0.416666667 | 0 |
| 48 | 7 | 1.26E+08 | A>G | 0 | 0.583333333 | 0 | 0.35 |
| 49 | 7 | 1.26E+08 | A>T | 0 | 0 | 0 | 0 |
| 50 | 7 | 1.27E+08 | A>G | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 7 | 1.27E+08 | A>G | 0 | 0 | 0.356666667 | 0.6666667 |
| 3 | 7 | 1.27E+08 | G>A | 0 | 0 | 0 | 0.6666667 |
| 4 | 7 | 1.27E+08 | A>T | 0 | 0.391666667 | 0 | 0 |
| 5 | 7 | 1.27E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 6 | 7 | 1.27E+08 | T>G | 0 | 0 | 0 | 0 |
| 7 | 7 | 1.27E+08 | A>G | 0 | 0 | 0 | 0 |
| 8 | 7 | 1.27E+08 | G>A | 0 | 0 | 0 | 0 |
| 9 | 7 | 1.27E+08 | T>A | 0 | 0 | 0 | 0 |
| 10 | 7 | 1.28E+08 | C>A | 0 | 0 | 0 | 0 |
| 11 | 7 | 1.28E+08 | C>G | 0 | 0 | 0 | 0 |
| 12 | 7 | 1.28E+08 | G>A | 0 | 0 | 0 | 0 |
| 13 | 7 | 1.28E+08 | C>T | 0 | 0 | 0 | 0 |
| 14 | 7 | 1.28E+08 | T>C | 0 | 0.43 | 0 | 0.4566667 |
| 15 | 7 | 1.28E+08 | G>C | 0 | 0.303333333 | 0 | 0 |
| 16 | 7 | 1.28E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 17 | 7 | 1.28E+08 | T>C | 0 | 0 | 0 | 0 |
| 18 | 7 | 1.28E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 19 | 7 | 1.28E+08 | A>G | 0 | 0 | 0 | 0 |
| 20 | 7 | 1.28E+08 | A>G | 0 | 0 | 0 | 0 |
| 21 | 7 | 1.28E+08 | C>T | 0 | 0 | 0 | 0.4766667 |
| 22 | 7 | 1.28E+08 | T>A | 0 | 0.466666667 | 0 | 0 |
| 23 | 7 | 1.28E+08 | A>G | 0 | 0 | 0 | 0 |
| 24 | 7 | 1.29E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 25 | 7 | 1.29E+08 | C>T | 0 | 0 | 0 | 0 |
| 26 | 7 | 1.29E+08 | C>T | 0 | 0 | 0 | 0 |
| 27 | 7 | 1.29E+08 | T>C | 0 | 0 | 0 | 0.49 |
| 28 | 7 | 1.29E+08 | C>G | 0 | 0 | 0 | 0 |
| 29 | 7 | 1.29E+08 | A>G | 0 | 0 | 0 | 0 |
| 30 | 7 | 1.29E+08 | A>G | 0 | 0.396666667 | 0.353333333 | 0.6466667 |
| 31 | 7 | 1.29E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 32 | 7 | 1.29E+08 | T>C | 0 | 0 | 0 | 0.3133333 |
| 33 | 7 | 1.29E+08 | T>C | 0 | 0 | 0 | 0.3033333 |
| 34 | 7 | 1.29E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 35 | 7 | 1.29E+08 | T>G | 0 | 0 | 0 | 0 |
| 36 | 7 | 1.29E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 7 | 1.29E+08 | A>G | 0 | 0 | 0 | 0 |
| 38 | 7 | 1.3E+08 | T>G | 0 | 0.303333333 | 0 | 0 |
| 39 | 7 | 1.3E+08 | C>T | 0 | 0 | 0 | 0 |
| 40 | 7 | 1.3E+08 | T>C | 0 | 0.455 | 0 | 0.4066667 |
| 41 | 7 | 1.3E+08 | T>G | 0 | 0 | 0 | 0 |
| 42 | 7 | 1.3E+08 | T>C | 0 | 0 | 0 | 0.44 |
| 43 | 7 | 1.3E+08 | T>C | 0 | 0 | 0 | 0 |
| 44 | 7 | 1.3E+08 | T>C | 0 | 0 | 0 | 0 |
| 45 | 7 | 1.3E+08 | G>A | 0 | 0 | 0 | 0.3233333 |
| 46 | 7 | 1.3E+08 | A>G | 0 | 0 | 0 | 0 |
| 47 | 7 | 1.3E+08 | T>C | 0 | 0 | 0 | 0 |
| 48 | 7 | 1.31E+08 | A>G | 0 | 0 | 0.303333333 | 0 |
| 49 | 7 | 1.31E+08 | A>G | 0 | 0 | 0 | 0.5066667 |
| 50 | 7 | 1.32E+08 | G>A | 0 | 0 | 0 | 0 |
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|----|---|----------|-----|---|--------------|---|-----------|
| 1 | | | | | | | |
| 2 | 7 | 1.32E+08 | A>G | 0 | 0 | 0 | 0 |
| 3 | 7 | 1.32E+08 | C>G | 0 | 0 | 0 | 0 |
| 4 | 7 | 1.32E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 7 | 1.32E+08 | A>T | 0 | 0 | 0 | 0.4766667 |
| 6 | 7 | 1.32E+08 | A>G | 0 | 0 | 0 | 0 |
| 7 | 7 | 1.32E+08 | C>T | 0 | 0 | 0 | 0 |
| 8 | 7 | 1.32E+08 | C>T | 0 | 0 | 0 | 0 |
| 9 | 7 | 1.32E+08 | A>C | 0 | 0.405 | 0 | 0 |
| 10 | 7 | 1.32E+08 | A>T | 0 | 0 | 0 | 0.4433333 |
| 11 | 7 | 1.32E+08 | G>T | 0 | 0 | 0 | 0.4166667 |
| 12 | 7 | 1.33E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 13 | 7 | 1.33E+08 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 14 | 7 | 1.33E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 15 | 7 | 1.33E+08 | A>G | 0 | 0 | 0 | 0 |
| 16 | 7 | 1.33E+08 | A>G | 0 | 0 | 0 | 0.74 |
| 17 | 7 | 1.33E+08 | G>A | 0 | 0 | 0 | 0 |
| 18 | 7 | 1.33E+08 | C>A | 0 | 0.356666667 | 0 | 0 |
| 19 | 7 | 1.33E+08 | C>T | 0 | 0.3133333333 | 0 | 0 |
| 20 | 7 | 1.33E+08 | T>A | 0 | 0 | 0 | 0.35 |
| 21 | 7 | 1.33E+08 | A>G | 0 | 0 | 0 | 0 |
| 22 | 7 | 1.33E+08 | G>A | 0 | 0 | 0 | 0 |
| 23 | 7 | 1.33E+08 | T>C | 0 | 0 | 0 | 0.44 |
| 24 | 7 | 1.33E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 25 | 7 | 1.33E+08 | A>G | 0 | 0.3183333333 | 0 | 0 |
| 26 | 7 | 1.33E+08 | T>C | 0 | 0 | 0 | 0 |
| 27 | 7 | 1.33E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 28 | 7 | 1.33E+08 | A>C | 0 | 0.435 | 0 | 0.37 |
| 29 | 7 | 1.33E+08 | T>A | 0 | 0 | 0 | 0 |
| 30 | 7 | 1.33E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 31 | 7 | 1.34E+08 | C>T | 0 | 0.466666667 | 0 | 0 |
| 32 | 7 | 1.34E+08 | C>G | 0 | 0.37 | 0 | 0 |
| 33 | 7 | 1.34E+08 | A>G | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.34E+08 | C>G | 0 | 0 | 0 | 0 |
| 35 | 7 | 1.34E+08 | C>A | 0 | 0 | 0 | 0 |
| 36 | 7 | 1.34E+08 | T>C | 0 | 0.625 | 0 | 0 |
| 37 | 7 | 1.34E+08 | G>A | 0 | 0 | 0 | 0 |
| 38 | 7 | 1.34E+08 | T>A | 0 | 0 | 0 | 0 |
| 39 | 7 | 1.35E+08 | G>A | 0 | 0 | 0 | 0 |
| 40 | 7 | 1.35E+08 | A>C | 0 | 0.391666667 | 0 | 0.31 |
| 41 | 7 | 1.35E+08 | T>C | 0 | 0.4383333333 | 0 | 0.7533333 |
| 42 | 7 | 1.35E+08 | T>A | 0 | 0 | 0 | 0 |
| 43 | 7 | 1.35E+08 | T>A | 0 | 0.391666667 | 0 | 0 |
| 44 | 7 | 1.35E+08 | A>T | 0 | 0.3333333333 | 0 | 0.7233333 |
| 45 | 7 | 1.35E+08 | T>C | 0 | 0.576666667 | 0 | 0 |
| 46 | 7 | 1.35E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 47 | 7 | 1.36E+08 | G>A | 0 | 0 | 0 | 0 |
| 48 | 7 | 1.36E+08 | T>C | 0 | 0.591666667 | 0 | 0 |
| 49 | 7 | 1.37E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 50 | 7 | 1.37E+08 | T>C | 0 | 0 | 0 | 0.6666667 |
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| 1 | | | | | | | |
| 2 | 7 | 1.37E+08 | A>G | 0 | 0 | 0 | 0.3033333 |
| 3 | 7 | 1.37E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 7 | 1.37E+08 | G>A | 0 | 0 | 0 | 0 |
| 5 | 7 | 1.37E+08 | C>T | 0 | 0 | 0 | 0 |
| 6 | 7 | 1.37E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 7 | 7 | 1.37E+08 | C>T | 0 | 0 | 0 | 0 |
| 8 | 7 | 1.38E+08 | C>T | 0 | 0 | 0 | 0 |
| 9 | 7 | 1.38E+08 | C>G | 0 | 0.513333333 | 0 | 0 |
| 10 | 7 | 1.38E+08 | A>G | 0 | 0.345 | 0 | 0 |
| 11 | 7 | 1.38E+08 | A>G | 0 | 0.486666667 | 0 | 0 |
| 12 | 7 | 1.38E+08 | G>T | 0 | 0.303333333 | 0 | 0.37 |
| 13 | 7 | 1.38E+08 | A>G | 0 | 0.431666667 | 0 | 0.3233333 |
| 14 | 7 | 1.38E+08 | A>T | 0 | 0 | 0 | 0.3033333 |
| 15 | 7 | 1.38E+08 | G>T | 0 | 0.49 | 0 | 0.44 |
| 16 | 7 | 1.38E+08 | C>T | 0 | 0.308333333 | 0 | 0 |
| 17 | 7 | 1.38E+08 | A>G | 0 | 0 | 0 | 0.4166667 |
| 18 | 7 | 1.38E+08 | C>G | 0 | 0 | 0 | 0 |
| 19 | 7 | 1.38E+08 | C>T | 0 | 0 | 0 | 0 |
| 20 | 7 | 1.38E+08 | C>T | 0 | 0 | 0 | 0 |
| 21 | 7 | 1.38E+08 | C>T | 0 | 0 | 0 | 0 |
| 22 | 7 | 1.38E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 23 | 7 | 1.38E+08 | A>G | 0 | 0 | 0 | 0.6266667 |
| 24 | 7 | 1.39E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 25 | 7 | 1.39E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 26 | 7 | 1.39E+08 | G>A | 0 | 0 | 0 | 0 |
| 27 | 7 | 1.39E+08 | G>A | 0 | 0.513333333 | 0 | 0 |
| 28 | 7 | 1.39E+08 | A>G | 0 | 0 | 0 | 0 |
| 29 | 7 | 1.39E+08 | G>A | 0 | 0 | 0 | 0 |
| 30 | 7 | 1.39E+08 | A>G | 0 | 0 | 0 | 0.5066667 |
| 31 | 7 | 1.39E+08 | C>T | 0 | 0 | 0 | 0.5966667 |
| 32 | 7 | 1.39E+08 | T>C | 0 | 0 | 0 | 0 |
| 33 | 7 | 1.39E+08 | A>G | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.39E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 35 | 7 | 1.39E+08 | G>T | 0 | 0.37 | 0 | 0 |
| 36 | 7 | 1.39E+08 | T>C | 0 | 0.606666667 | 0 | 0 |
| 37 | 7 | 1.39E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 38 | 7 | 1.39E+08 | C>T | 0 | 0 | 0 | 0 |
| 39 | 7 | 1.39E+08 | C>T | 0 | 0.313333333 | 0 | 0 |
| 40 | 7 | 1.39E+08 | A>G | 0 | 0.46 | 0 | 0 |
| 41 | 7 | 1.4E+08 | A>G | 0 | 0 | 0 | 0 |
| 42 | 7 | 1.4E+08 | G>A | 0 | 0 | 0 | 0 |
| 43 | 7 | 1.4E+08 | G>T | 0 | 0 | 0 | 0 |
| 44 | 7 | 1.4E+08 | A>G | 0 | 0.431666667 | 0 | 0 |
| 45 | 7 | 1.4E+08 | T>G | 0 | 0.345 | 0 | 0.3166667 |
| 46 | 7 | 1.4E+08 | A>T | 0 | 0 | 0 | 0.3033333 |
| 47 | 7 | 1.4E+08 | T>C | 0 | 0.343333333 | 0 | 0 |
| 48 | 7 | 1.4E+08 | T>C | 0 | 0.448333333 | 0 | 0 |
| 49 | 7 | 1.4E+08 | A>T | 0 | 0 | 0 | 0 |
| 50 | 7 | 1.4E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 51 | 7 | 1.4E+08 | A>G | 0 | 0 | 0 | 0.44 |
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| 1 | | | | | | | |
| 2 | 7 | 1.4E+08 | A>C | 0 | 0.313333333 | 0 | 0 |
| 3 | 7 | 1.4E+08 | T>C | 0 | 0.455 | 0 | 0.3466667 |
| 4 | 7 | 1.4E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 5 | 7 | 1.4E+08 | C>T | 0 | 0 | 0 | 0.64 |
| 6 | 7 | 1.4E+08 | A>T | 0 | 0 | 0 | 0.7033333 |
| 7 | 7 | 1.41E+08 | A>G | 0 | 0 | 0 | 0.3966667 |
| 8 | 7 | 1.41E+08 | G>T | 0 | 0.333333333 | 0 | 0 |
| 9 | 7 | 1.41E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 10 | 7 | 1.41E+08 | T>A | 0 | 0 | 0 | 0.4933333 |
| 11 | 7 | 1.41E+08 | T>C | 0 | 0 | 0 | 0.43 |
| 12 | 7 | 1.41E+08 | G>T | 0 | 0 | 0 | 0 |
| 13 | 7 | 1.41E+08 | G>A | 0 | 0 | 0 | 0.5366667 |
| 14 | 7 | 1.42E+08 | G>A | 0 | 0 | 0 | 0.5366667 |
| 15 | 7 | 1.43E+08 | C>G | 0 | 0 | 0 | 0 |
| 16 | 7 | 1.43E+08 | T>G | 0 | 0 | 0 | 0.36 |
| 17 | 7 | 1.43E+08 | T>C | 0 | 0 | 0 | 0.5066667 |
| 18 | 7 | 1.43E+08 | A>G | 0 | 0 | 0.323333333 | 0 |
| 19 | 7 | 1.43E+08 | T>C | 0 | 0 | 0 | 0.5166667 |
| 20 | 7 | 1.43E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 21 | 7 | 1.43E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 22 | 7 | 1.44E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 23 | 7 | 1.44E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 24 | 7 | 1.44E+08 | T>C | 0 | 0.438333333 | 0 | 0 |
| 25 | 7 | 1.44E+08 | C>T | 0 | 0.376666667 | 0 | 0 |
| 26 | 7 | 1.44E+08 | T>A | 0 | 0 | 0 | 0.4766667 |
| 27 | 7 | 1.44E+08 | G>A | 0 | 0 | 0 | 0 |
| 28 | 7 | 1.44E+08 | C>T | 0 | 0 | 0 | 0.3566667 |
| 29 | 7 | 1.44E+08 | A>G | 0 | 0.513333333 | 0 | 0 |
| 30 | 7 | 1.44E+08 | A>G | 0 | 0.513333333 | 0 | 0 |
| 31 | 7 | 1.46E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 32 | 7 | 1.46E+08 | T>G | 0 | 0 | 0 | 0.6933333 |
| 33 | 7 | 1.46E+08 | G>A | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.46E+08 | A>T | 0 | 0 | 0 | 0.4533333 |
| 35 | 7 | 1.46E+08 | G>A | 0 | 0 | 0 | 0 |
| 36 | 7 | 1.46E+08 | G>A | 0 | 0.606666667 | 0 | 0 |
| 37 | 7 | 1.46E+08 | T>C | 0 | 0.303333333 | 0.378333333 | 0.3833333 |
| 38 | 7 | 1.46E+08 | G>T | 0 | 0 | 0 | 0 |
| 39 | 7 | 1.46E+08 | C>G | 0 | 0.36 | 0 | 0 |
| 40 | 7 | 1.46E+08 | C>T | 0 | 0.396666667 | 0 | 0 |
| 41 | 7 | 1.46E+08 | C>T | 0 | 0 | 0 | 0 |
| 42 | 7 | 1.46E+08 | A>G | 0 | 0 | 0 | 0 |
| 43 | 7 | 1.46E+08 | A>C | 0 | 0 | 0 | 0 |
| 44 | 7 | 1.46E+08 | A>C | 0 | 0 | 0 | 0 |
| 45 | 7 | 1.47E+08 | T>G | 0 | 0.37 | 0.356666667 | 0.3166667 |
| 46 | 7 | 1.47E+08 | T>C | 0 | 0 | 0 | 0 |
| 47 | 7 | 1.47E+08 | A>G | 0 | 0 | 0 | 0 |
| 48 | 7 | 1.47E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 49 | 7 | 1.47E+08 | A>G | 0 | 0 | 0 | 0.3833333 |
| 50 | 7 | 1.47E+08 | G>A | 0 | 0.323333333 | 0 | 0.6333333 |
| 51 | 7 | 1.47E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 52 | 7 | 1.47E+08 | A>G | 0 | 0 | 0 | 0.58 |
| 53 | 7 | 1.47E+08 | C>T | 0 | 0 | 0 | 0.49 |
| 54 | 7 | 1.47E+08 | A>G | 0 | 0.385 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 7 | 1.47E+08 | T>G | 0 | 0 | 0.356666667 | 0 |
| 3 | 7 | 1.47E+08 | A>G | 0 | 0.323333333 | 0 | 0.42333333 |
| 4 | 7 | 1.47E+08 | T>C | 0 | 0 | 0 | 0.45 |
| 5 | 7 | 1.48E+08 | T>C | 0 | 0.463333333 | 0 | 0.3566667 |
| 6 | 7 | 1.48E+08 | T>C | 0 | 0 | 0 | 0.8566667 |
| 7 | 7 | 1.48E+08 | A>G | 0 | 0 | 0 | 0 |
| 8 | 7 | 1.48E+08 | T>C | 0 | 0 | 0 | 0.4533333 |
| 9 | 7 | 1.48E+08 | T>G | 0 | 0 | 0 | 0.3333333 |
| 10 | 7 | 1.48E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 11 | 7 | 1.48E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 12 | 7 | 1.48E+08 | T>C | 0 | 0.32 | 0 | 0.4966667 |
| 13 | 7 | 1.48E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 14 | 7 | 1.48E+08 | T>A | 0 | 0.435 | 0 | 0.4166667 |
| 15 | 7 | 1.48E+08 | C>T | 0 | 0 | 0 | 0 |
| 16 | 7 | 1.48E+08 | C>G | 0 | 0 | 0 | 0 |
| 17 | 7 | 1.48E+08 | A>G | 0 | 0 | 0 | 0 |
| 18 | 7 | 1.48E+08 | A>G | 0 | 0.315 | 0.306666667 | 0 |
| 19 | 7 | 1.49E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 20 | 7 | 1.49E+08 | C>A | 0 | 0 | 0 | 0.7833333 |
| 21 | 7 | 1.49E+08 | A>T | 0 | 0.36 | 0 | 0 |
| 22 | 7 | 1.49E+08 | A>G | 0 | 0.313333333 | 0 | 0 |
| 23 | 7 | 1.49E+08 | T>C | 0 | 0.396666667 | 0 | 0 |
| 24 | 7 | 1.49E+08 | T>C | 0 | 0.353333333 | 0 | 0 |
| 25 | 7 | 1.49E+08 | T>C | 0 | 0 | 0 | 0 |
| 26 | 7 | 1.49E+08 | G>A | 0 | 0.385 | 0 | 0 |
| 27 | 7 | 1.49E+08 | G>C | 0 | 0 | 0 | 0.3166667 |
| 28 | 7 | 1.5E+08 | A>C | 0 | 0 | 0 | 0 |
| 29 | 7 | 1.5E+08 | G>A | 0 | 0.476666667 | 0 | 0 |
| 30 | 7 | 1.5E+08 | T>C | 0 | 0.463333333 | 0 | 0 |
| 31 | 7 | 1.5E+08 | C>T | 0 | 0 | 0 | 0 |
| 32 | 7 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| 33 | 7 | 1.51E+08 | G>T | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.51E+08 | T>C | 0 | 0 | 0 | 0 |
| 35 | 7 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| 36 | 7 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 7 | 1.51E+08 | C>T | 0 | 0 | 0 | 0.6333333 |
| 38 | 7 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| 39 | 7 | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| 40 | 7 | 1.51E+08 | G>T | 0 | 0.385 | 0 | 0 |
| 41 | 7 | 1.51E+08 | C>G | 0 | 0 | 0 | 0 |
| 42 | 7 | 1.52E+08 | A>G | 0 | 0 | 0 | 0 |
| 43 | 7 | 1.52E+08 | C>T | 0 | 0 | 0 | 0 |
| 44 | 7 | 1.52E+08 | A>G | 0 | 0 | 0 | 0 |
| 45 | 7 | 1.52E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 46 | 7 | 1.52E+08 | G>A | 0 | 0 | 0 | 0.5333333 |
| 47 | 7 | 1.52E+08 | A>G | 0 | 0.435 | 0 | 0 |
| 48 | 7 | 1.52E+08 | G>T | 0 | 0.378333333 | 0 | 0 |
| 49 | 7 | 1.52E+08 | C>T | 0 | 0 | 0 | 0 |
| 50 | 7 | 1.52E+08 | T>G | 0 | 0 | 0.385 | 0.5 |
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| 1 | | | | | | | |
| 2 | 7 | 1.54E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 7 | 1.54E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 7 | 1.54E+08 | A>G | 0 | 0.4383333333 | 0 | 0 |
| 5 | 7 | 1.54E+08 | A>G | 0 | 0.3916666667 | 0 | 0.50333333 |
| 6 | 7 | 1.55E+08 | C>T | 0 | 0.36 | 0 | 0 |
| 7 | 7 | 1.55E+08 | G>A | 0 | 0 | 0 | 0 |
| 8 | 7 | 1.55E+08 | T>G | 0 | 0 | 0.4166666667 | 0 |
| 9 | 7 | 1.55E+08 | C>T | 0 | 0 | 0 | 0 |
| 10 | 7 | 1.55E+08 | G>A | 0 | 0 | 0 | 0 |
| 11 | 7 | 1.55E+08 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 12 | 7 | 1.55E+08 | A>G | 0 | 0 | 0 | 0.54 |
| 13 | 7 | 1.57E+08 | C>T | 0 | 0 | 0 | 0 |
| 14 | 7 | 1.57E+08 | A>G | 0 | 0 | 0 | 0.39333333 |
| 15 | 7 | 1.57E+08 | A>G | 0 | 0 | 0 | 0 |
| 16 | 7 | 1.57E+08 | C>T | 0 | 0 | 0 | 0.45 |
| 17 | 7 | 1.57E+08 | C>G | 0 | 0 | 0.31 | 0 |
| 18 | 7 | 1.57E+08 | G>C | 0 | 0 | 0 | 0.49 |
| 19 | 7 | 1.57E+08 | G>A | 0 | 0.3166666667 | 0 | 0 |
| 20 | 7 | 1.57E+08 | C>T | 0 | 0.4766666667 | 0 | 0 |
| 21 | 7 | 1.57E+08 | T>G | 0 | 0.455 | 0 | 0 |
| 22 | 7 | 1.57E+08 | C>T | 0 | 0 | 0 | 0 |
| 23 | 7 | 1.58E+08 | T>C | 0 | 0 | 0 | 0 |
| 24 | 7 | 1.58E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 25 | 7 | 1.58E+08 | C>T | 0 | 0 | 0 | 0.31666667 |
| 26 | 7 | 1.58E+08 | T>A | 0 | 0.3333333333 | 0 | 0 |
| 27 | 7 | 1.58E+08 | A>T | 0 | 0 | 0 | 0 |
| 28 | 7 | 1.58E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 29 | 7 | 1.58E+08 | G>A | 0 | 0.3566666667 | 0 | 0 |
| 30 | 7 | 1.58E+08 | T>G | 0 | 0.455 | 0 | 0 |
| 31 | 7 | 1.58E+08 | C>T | 0 | 0 | 0 | 0 |
| 32 | 7 | 1.58E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 33 | 7 | 1.58E+08 | C>T | 0 | 0 | 0 | 0 |
| 34 | 7 | 1.58E+08 | T>C | 0 | 0 | 0 | 0 |
| 35 | 7 | 1.58E+08 | C>A | 0 | 0 | 0 | 0 |
| 36 | 7 | 1.58E+08 | G>T | 0 | 0.385 | 0 | 0 |
| 37 | 7 | 1.59E+08 | T>G | 0 | 0 | 0 | 0 |
| 38 | 7 | 1.59E+08 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 39 | 7 | 1.59E+08 | C>A | 0 | 0.3133333333 | 0 | 0.75666667 |
| 40 | 7 | 1.59E+08 | T>C | 0 | 0.3766666667 | 0 | 0 |
| 41 | 8 | 624558 | G>C | 0 | 0.74 | 0 | 0 |
| 42 | 8 | 650995 | C>T | 0 | 0.6066666667 | 0 | 0 |
| 43 | 8 | 1525096 | T>A | 0 | 0.6416666667 | 0 | 0.71333333 |
| 44 | 8 | 1558506 | C>T | 0 | 0.3333333333 | 0 | 0.35 |
| 45 | 8 | 1604323 | T>C | 0 | 0 | 0 | 0 |
| 46 | 8 | 2844220 | T>G | 0 | 0.4766666667 | 0 | 0 |
| 47 | 8 | 2904628 | A>G | 0 | 0.445 | 0 | 0 |
| 48 | 8 | 2950942 | G>A | 0 | 0.4766666667 | 0 | 0 |
| 49 | 8 | 3108363 | G>T | 0 | 0 | 0 | 1 |
| 50 | 8 | 3144903 | A>G | 0 | 0 | 0 | 0.98666667 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | 8 | 3145202 | C>T | 0 | 0 | 0 | 0 |
| 2 | 8 | 3169007 | A>G | 0 | 0.391666667 | 0 | 0 |
| 3 | 8 | 3282884 | C>G | 0 | 0 | 0 | 0 |
| 4 | 8 | 3308685 | C>T | 0 | 0 | 0 | 0 |
| 5 | 8 | 3902219 | C>T | 0 | 0.303333333 | 0 | 0.3966667 |
| 6 | 8 | 4036808 | T>C | 0 | 0.613333333 | 0 | 0 |
| 7 | 8 | 4077637 | G>A | 0 | 0.385 | 0 | 0 |
| 8 | 8 | 4178246 | G>A | 0 | 0 | 0.466666667 | 0 |
| 9 | 8 | 4298272 | T>C | 0 | 0 | 0.385 | 0 |
| 10 | 8 | 4307888 | A>G | 0 | 0.37 | 0 | 0 |
| 11 | 8 | 4426830 | G>A | 0 | 0 | 0.416666667 | 0 |
| 12 | 8 | 4430069 | G>A | 0 | 0.513333333 | 0 | 0 |
| 13 | 8 | 4505401 | A>G | 0 | 0.641666667 | 0 | 0 |
| 14 | 8 | 6316438 | A>G | 0 | 0.37 | 0 | 0 |
| 15 | 8 | 6353649 | A>G | 0 | 0 | 0.416666667 | 0 |
| 16 | 8 | 6397271 | G>C | 0 | 0.37 | 0 | 0 |
| 17 | 8 | 6397272 | A>T | 0 | 0.37 | 0 | 0 |
| 18 | 8 | 6423033 | G>A | 0 | 0.416666667 | 0 | 0 |
| 19 | 8 | 6444512 | C>T | 0 | 0.37 | 0 | 0 |
| 20 | 8 | 6472603 | G>A | 0 | 0 | 0 | 0 |
| 21 | 8 | 6585121 | T>C | 0 | 0.353333333 | 0 | 0 |
| 22 | 8 | 6609440 | G>C | 0 | 0.391666667 | 0 | 0.8766667 |
| 23 | 8 | 8240996 | T>C | 0 | 0.513333333 | 0 | 0 |
| 24 | 8 | 8671645 | G>A | 0 | 0 | 0.31 | 0 |
| 25 | 8 | 8699974 | T>C | 0 | 0.333333333 | 0 | 0 |
| 26 | 8 | 8733367 | C>G | 0 | 0 | 0 | 0.6066667 |
| 27 | 8 | 8882203 | A>G | 0 | 0.555 | 0 | 0.3433333 |
| 28 | 8 | 9516259 | A>G | 0 | 0 | 0.385 | 0.3333333 |
| 29 | 8 | 9534607 | G>C | 0 | 0.416666667 | 0 | 0 |
| 30 | 8 | 10022431 | A>G | 0 | 0 | 0 | 0.7033333 |
| 31 | 8 | 10174712 | T>A | 0 | 0.385 | 0 | 0 |
| 32 | 8 | 10254438 | C>T | 0 | 0.555 | 0 | 0 |
| 33 | 8 | 10863623 | C>G | 0 | 0 | 0 | 0.3933333 |
| 34 | 8 | 10964084 | C>T | 0 | 0.37 | 0 | 0 |
| 35 | 8 | 10976392 | A>T | 0 | 0.385 | 0 | 0 |
| 36 | 8 | 10976921 | G>T | 0 | 0 | 0 | 0 |
| 37 | 8 | 11261481 | G>T | 0 | 0 | 0 | 0 |
| 38 | 8 | 11585808 | C>T | 0 | 0.513333333 | 0 | 0 |
| 39 | 8 | 11607629 | C>T | 0 | 0.476666667 | 0 | 0 |
| 40 | 8 | 11674300 | A>G | 0 | 0.323333333 | 0 | 0 |
| 41 | 8 | 11675611 | T>C | 0 | 0.37 | 0 | 0.3133333 |
| 42 | 8 | 11694298 | C>A | 0 | 0 | 0 | 0 |
| 43 | 8 | 12840940 | T>A | 0 | 0.4 | 0 | 0 |
| 44 | 8 | 12950340 | C>G | 0 | 0 | 0 | 0 |
| 45 | 8 | 12998597 | A>T | 0 | 0 | 0 | 0.4066667 |
| 46 | 8 | 13039479 | T>C | 0 | 0.361666667 | 0 | 0 |
| 47 | 8 | 13040469 | A>G | 0 | 0.391666667 | 0 | 0.5866667 |
| 48 | 8 | 13042283 | C>G | 0 | 0 | 0 | 0.4766667 |
| 49 | 8 | 13043759 | T>C | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 13044311 | A>T | 0 | 0.43 | 0 | 0 |
| 3 | 8 | 13181820 | C>G | 0 | 0.416666667 | 0 | 0 |
| 4 | 8 | 13272352 | T>C | 0 | 0.455 | 0 | 0 |
| 5 | 8 | 13953993 | T>A | 0 | 0 | 0 | 0.6466667 |
| 6 | 8 | 13976091 | T>A | 0 | 0 | 0 | 0 |
| 7 | 8 | 13995534 | G>T | 0 | 0 | 0 | 0.8 |
| 8 | 8 | 13998502 | G>A | 0 | 0.385 | 0 | 0 |
| 9 | 8 | 13999167 | G>A | 0 | 0 | 0 | 0 |
| 10 | 8 | 14301087 | G>T | 0 | 0 | 0 | 0 |
| 11 | 8 | 14301760 | T>C | 0 | 0.5 | 0 | 0 |
| 12 | 8 | 14301836 | G>A | 0 | 0 | 0 | 0.4933333 |
| 13 | 8 | 14301837 | C>T | 0 | 0 | 0 | 0.37 |
| 14 | 8 | 14476648 | T>C | 0 | 0 | 0 | 0.37 |
| 15 | 8 | 14478549 | C>A | 0 | 0.555 | 0 | 0 |
| 16 | 8 | 14602991 | T>C | 0 | 0.625 | 0 | 0 |
| 17 | 8 | 14708617 | A>G | 0 | 0.416666667 | 0 | 0 |
| 18 | 8 | 14727161 | T>C | 0 | 0.323333333 | 0 | 0 |
| 19 | 8 | 15089422 | T>C | 0 | 0 | 0 | 0.43 |
| 20 | 8 | 15406923 | T>C | 0 | 0.303333333 | 0 | 0 |
| 21 | 8 | 15412391 | A>G | 0 | 0.625 | 0 | 0 |
| 22 | 8 | 15498756 | C>G | 0 | 0.333333333 | 0 | 0 |
| 23 | 8 | 15512186 | A>G | 0 | 0 | 0 | 0.36 |
| 24 | 8 | 17200746 | T>G | 0 | 0 | 0 | 0.5133333 |
| 25 | 8 | 17401427 | A>G | 0 | 0 | 0 | 0 |
| 26 | 8 | 17447564 | T>C | 0 | 0 | 0 | 0.5366667 |
| 27 | 8 | 17461916 | G>A | 0 | 0 | 0 | 0.37 |
| 28 | 8 | 17520133 | A>G | 0 | 1 | 0 | 0 |
| 29 | 8 | 17601966 | A>G | 0 | 0 | 0 | 0 |
| 30 | 8 | 17619551 | A>G | 0 | 0.385 | 0 | 0.4166667 |
| 31 | 8 | 17653251 | T>C | 0 | 0 | 0 | 0 |
| 32 | 8 | 17787875 | A>G | 0 | 0.356666667 | 0 | 0 |
| 33 | 8 | 17816399 | G>T | 0 | 0 | 0 | 0 |
| 34 | 8 | 17825037 | C>A | 0 | 0 | 0 | 0.5066667 |
| 35 | 8 | 17868359 | A>G | 0 | 0.416666667 | 0 | 0 |
| 36 | 8 | 17868372 | T>C | 0 | 0.445 | 0 | 0 |
| 37 | 8 | 17927735 | C>T | 0 | 0 | 0 | 0.38 |
| 38 | 8 | 18524741 | A>G | 0 | 0 | 0.396666667 | 0 |
| 39 | 8 | 18524881 | A>G | 0 | 0.4 | 0 | 0 |
| 40 | 8 | 18552036 | C>A | 0 | 0.5 | 0 | 0 |
| 41 | 8 | 18634725 | C>G | 0 | 0.5 | 0 | 0 |
| 42 | 8 | 18733326 | C>T | 0 | 0.376666667 | 0 | 0 |
| 43 | 8 | 18739597 | G>A | 0 | 0.513333333 | 0 | 0 |
| 44 | 8 | 18739598 | C>G | 0 | 0.666666667 | 0 | 0 |
| 45 | 8 | 18794151 | T>C | 0 | 0.396666667 | 0 | 0 |
| 46 | 8 | 18812802 | A>G | 0 | 0 | 0 | 0.37 |
| 47 | 8 | 19341973 | C>G | 0 | 0.455 | 0 | 0 |
| 48 | 8 | 19383987 | G>A | 0 | 0.4 | 0 | 0 |
| 49 | 8 | 19446871 | T>C | 0 | 0 | 0 | 0 |
| 50 | 8 | 20115427 | C>T | 0 | 0.391666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 21558692 | C>G | 0 | 0 | 0 | 0 |
| 3 | 8 | 21825110 | A>C | 0 | 0.555 | 0 | 0 |
| 4 | 8 | 21948342 | C>G | 0 | 0 | 0 | 0 |
| 5 | 8 | 22189647 | A>G | 0 | 0.385 | 0 | 0 |
| 6 | 8 | 22232454 | C>T | 0 | 0 | 0 | 0.4166667 |
| 7 | 8 | 22239546 | T>C | 0 | 0 | 0 | 0 |
| 8 | 8 | 22262828 | T>C | 0 | 0 | 0 | 0 |
| 9 | 8 | 22262840 | A>G | 0 | 0 | 0 | 0 |
| 10 | 8 | 22325887 | T>G | 0 | 0.408333333 | 0 | 0.3933333 |
| 11 | 8 | 22385427 | T>C | 0 | 0 | 0 | 0.4333333 |
| 12 | 8 | 22547711 | G>T | 0 | 0 | 0 | 0 |
| 13 | 8 | 22654619 | C>T | 0 | 0.476666667 | 0 | 0 |
| 14 | 8 | 22870433 | G>C | 0 | 0.455 | 0 | 0 |
| 15 | 8 | 22904746 | G>T | 0 | 0 | 0 | 0.4266667 |
| 16 | 8 | 22923560 | A>C | 0 | 0 | 0 | 0 |
| 17 | 8 | 23000893 | C>G | 0 | 0.493333333 | 0 | 0 |
| 18 | 8 | 23110883 | G>A | 0 | 0.351666667 | 0 | 0 |
| 19 | 8 | 23214773 | A>G | 0 | 0 | 0 | 0 |
| 20 | 8 | 23214775 | A>G | 0 | 0 | 0 | 0 |
| 21 | 8 | 23229955 | C>T | 0 | 0 | 0 | 0.3833333 |
| 22 | 8 | 24161047 | T>G | 0 | 0.416666667 | 0 | 0 |
| 23 | 8 | 24186262 | T>A | 0 | 0.476666667 | 0 | 0 |
| 24 | 8 | 25081864 | G>A | 0 | 0 | 0 | 0 |
| 25 | 8 | 25145740 | A>G | 0 | 0 | 0 | 0 |
| 26 | 8 | 25277813 | T>C | 0 | 0.695 | 0 | 0 |
| 27 | 8 | 25304669 | T>G | 0 | 0.431666667 | 0 | 0.3833333 |
| 28 | 8 | 25318604 | A>T | 0 | 0 | 0.303333333 | 0 |
| 29 | 8 | 25868060 | G>A | 0 | 0 | 0 | 0 |
| 30 | 8 | 26470105 | C>T | 0 | 0.351666667 | 0.343333333 | 0 |
| 31 | 8 | 26491199 | T>C | 0 | 0 | 0 | 0.4766667 |
| 32 | 8 | 26511314 | T>C | 0 | 0 | 0.315 | 0 |
| 33 | 8 | 26704106 | A>T | 0 | 0 | 0.308333333 | 0.4033333 |
| 34 | 8 | 26704372 | A>G | 0 | 0 | 0 | 0.5566667 |
| 35 | 8 | 27096794 | T>C | 0 | 0 | 0 | 0 |
| 36 | 8 | 27189224 | G>A | 0 | 0 | 0 | 0.31 |
| 37 | 8 | 27227312 | C>T | 0 | 0 | 0 | 0 |
| 38 | 8 | 27237514 | A>C | 0 | 0.435 | 0 | 0 |
| 39 | 8 | 27267503 | G>T | 0 | 0.333333333 | 0 | 0 |
| 40 | 8 | 27286539 | T>C | 0 | 0.37 | 0 | 0.5833333 |
| 41 | 8 | 27692159 | T>C | 0 | 0.58 | 0 | 0.5333333 |
| 42 | 8 | 27692238 | T>C | 0 | 0.308333333 | 0 | 0 |
| 43 | 8 | 27693194 | A>G | 0 | 0 | 0 | 0 |
| 44 | 8 | 27890418 | A>T | 0 | 0 | 0 | 0.3166667 |
| 45 | 8 | 28039896 | T>G | 0 | 0 | 0 | 0.4333333 |
| 46 | 8 | 28338245 | T>C | 0 | 0 | 0 | 0 |
| 47 | 8 | 28342235 | G>A | 0 | 0 | 0 | 0.5 |
| 48 | 8 | 28581424 | A>G | 0 | 0.37 | 0 | 0 |
| 49 | 8 | 28592026 | T>C | 0 | 0 | 0 | 0.6666667 |
| 50 | 8 | 28605475 | G>C | 0 | 0 | 0 | 0.4433333 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 8 | 28650299 | G>A | 0 | 0 | 0 | 0 |
| 3 | 8 | 28677076 | A>T | 0 | 0.416666667 | 0 | 0 |
| 4 | 8 | 28677078 | C>T | 0 | 0.416666667 | 0 | 0 |
| 5 | 8 | 28762404 | C>G | 0 | 0 | 0 | 0.4766667 |
| 6 | 8 | 28797070 | A>G | 0 | 0.435 | 0 | 0 |
| 7 | 8 | 28858987 | T>A | 0 | 0 | 0 | 0 |
| 8 | 8 | 28872436 | T>A | 0 | 0.343333333 | 0 | 0 |
| 9 | 8 | 28906992 | G>A | 0 | 0.513333333 | 0 | 0 |
| 10 | 8 | 28909093 | C>A | 0 | 0 | 0 | 0 |
| 11 | 8 | 30030220 | C>T | 0 | 0 | 0 | 0 |
| 12 | 8 | 30283088 | G>A | 0 | 0 | 0 | 0 |
| 13 | 8 | 30314307 | T>G | 0 | 0 | 0 | 0 |
| 14 | 8 | 30316549 | C>A | 0 | 0 | 0 | 0 |
| 15 | 8 | 30316697 | C>T | 0 | 0.303333333 | 0 | 0 |
| 16 | 8 | 30327706 | G>C | 0 | 0.535 | 0 | 0 |
| 17 | 8 | 30346544 | G>A | 0 | 0 | 0 | 0 |
| 18 | 8 | 30456898 | T>C | 0 | 0.333333333 | 0 | 0 |
| 19 | 8 | 30495216 | C>T | 0 | 0.381666667 | 0 | 0 |
| 20 | 8 | 30505060 | C>T | 0 | 0 | 0 | 0.3566667 |
| 21 | 8 | 32427669 | C>T | 0 | 0 | 0 | 0.3166667 |
| 22 | 8 | 33245276 | G>C | 0 | 0 | 0 | 0.4766667 |
| 23 | 8 | 33410331 | T>C | 0 | 0 | 0 | 0 |
| 24 | 8 | 35137777 | T>A | 0 | 0.37 | 0 | 0 |
| 25 | 8 | 35243244 | C>A | 0 | 0.365 | 0 | 0 |
| 26 | 8 | 35373138 | A>G | 0 | 0.476666667 | 0.323333333 | 0.4933333 |
| 27 | 8 | 35458087 | G>A | 0 | 0 | 0 | 0 |
| 28 | 8 | 35458737 | A>G | 0 | 0 | 0 | 0.37 |
| 29 | 8 | 35462706 | T>G | 0 | 0 | 0 | 0.5 |
| 30 | 8 | 35485833 | T>G | 0 | 0 | 0 | 0 |
| 31 | 8 | 35492408 | T>C | 0 | 0.313333333 | 0 | 0 |
| 32 | 8 | 36740188 | T>G | 0 | 0 | 0 | 0.7133333 |
| 33 | 8 | 37608364 | T>C | 0 | 0.416666667 | 0 | 0 |
| 34 | 8 | 37705711 | G>A | 0 | 0.416666667 | 0 | 0 |
| 35 | 8 | 37723657 | A>G | 0 | 0.361666667 | 0 | 0 |
| 36 | 8 | 37735932 | G>A | 0 | 0.445 | 0 | 0 |
| 37 | 8 | 37741764 | C>G | 0 | 0 | 0 | 0 |
| 38 | 8 | 37744846 | C>T | 0 | 0 | 0 | 0.74 |
| 39 | 8 | 37906214 | C>T | 0 | 0.476666667 | 0 | 0 |
| 40 | 8 | 37906236 | T>C | 0 | 0.445 | 0 | 0 |
| 41 | 8 | 38135736 | A>G | 0 | 0 | 0.37 | 0.4966667 |
| 42 | 8 | 38175492 | A>T | 0 | 0 | 0 | 0 |
| 43 | 8 | 38175493 | A>T | 0 | 0 | 0 | 0 |
| 44 | 8 | 38210263 | C>T | 0 | 0 | 0 | 0.5833333 |
| 45 | 8 | 38234646 | G>C | 0 | 0 | 0 | 0 |
| 46 | 8 | 38766400 | C>T | 0 | 0.476666667 | 0 | 0 |
| 47 | 8 | 38841930 | G>A | 0 | 0.431666667 | 0 | 0 |
| 48 | 8 | 38877725 | G>C | 0 | 0.513333333 | 0 | 0 |
| 49 | 8 | 38925121 | C>G | 0 | 0 | 0 | 0.5133333 |
| 50 | 8 | 38983458 | G>T | 0 | 0 | 0.403333333 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 38988972 | A>T | 0 | 0.37 | 0 | 0 |
| 3 | 8 | 38997081 | A>G | 0 | 0.416666667 | 0 | 0 |
| 4 | 8 | 39057700 | C>T | 0 | 0.37 | 0 | 0 |
| 5 | 8 | 39058887 | C>T | 0 | 0.416666667 | 0 | 0.5066667 |
| 6 | 8 | 39060015 | C>T | 0 | 0 | 0 | 0.77 |
| 7 | 8 | 39069640 | G>A | 0 | 0.353333333 | 0 | 0 |
| 8 | 8 | 39120277 | A>T | 0 | 0 | 0 | 0 |
| 9 | 8 | 39138581 | A>G | 0 | 0 | 0 | 0.52 |
| 10 | 8 | 39531609 | A>G | 0 | 0 | 0 | 0 |
| 11 | 8 | 39560199 | T>C | 0 | 0.333333333 | 0 | 0 |
| 12 | 8 | 39613121 | T>A | 0 | 0.513333333 | 0 | 0 |
| 13 | 8 | 39669459 | A>G | 0 | 0 | 0.595 | 0 |
| 14 | 8 | 39670925 | C>A | 0 | 0.476666667 | 0 | 0 |
| 15 | 8 | 39670955 | T>C | 0 | 0 | 0 | 0 |
| 16 | 8 | 39671104 | T>C | 0 | 0 | 0 | 0.8766667 |
| 17 | 8 | 39681603 | C>G | 0 | 0.466666667 | 0 | 0 |
| 18 | 8 | 40507061 | G>C | 0 | 0 | 0 | 0 |
| 19 | 8 | 41130051 | T>C | 0 | 0.555 | 0 | 0 |
| 20 | 8 | 41396431 | A>G | 0 | 0.74 | 0 | 0 |
| 21 | 8 | 41400097 | T>C | 0 | 0.333333333 | 0 | 0 |
| 22 | 8 | 41695221 | G>C | 0 | 0.36 | 0 | 0 |
| 23 | 8 | 41811181 | A>G | 0 | 0.476666667 | 0 | 0 |
| 24 | 8 | 42062851 | T>C | 0 | 0.333333333 | 0 | 0.4633333 |
| 25 | 8 | 42132946 | T>A | 0 | 0.345 | 0 | 0 |
| 26 | 8 | 42137492 | G>T | 0 | 0 | 0 | 0 |
| 27 | 8 | 42181854 | T>C | 0 | 0.625 | 0 | 0 |
| 28 | 8 | 42296316 | T>C | 0 | 0.613333333 | 0 | 0 |
| 29 | 8 | 42355873 | C>T | 0 | 0.416666667 | 0 | 0 |
| 30 | 8 | 42790900 | C>T | 0 | 0 | 0 | 0 |
| 31 | 8 | 42793278 | G>A | 0 | 0 | 0 | 0 |
| 32 | 8 | 42793553 | C>T | 0 | 0 | 0 | 0.6866667 |
| 33 | 8 | 42802176 | C>T | 0 | 0 | 0 | 0 |
| 34 | 8 | 42802177 | T>G | 0 | 0 | 0 | 0 |
| 35 | 8 | 42870569 | A>G | 0 | 0 | 0 | 0 |
| 36 | 8 | 42913662 | G>C | 0 | 0.5 | 0 | 0 |
| 37 | 8 | 42931319 | C>T | 0 | 0 | 0 | 0 |
| 38 | 8 | 42977505 | G>C | 0 | 0 | 0 | 0 |
| 39 | 8 | 43010038 | A>G | 0 | 0.313333333 | 0.463333333 | 0 |
| 40 | 8 | 43018922 | G>C | 0 | 0 | 0 | 0 |
| 41 | 8 | 43041132 | G>C | 0 | 0 | 0 | 0 |
| 42 | 8 | 43042384 | T>G | 0 | 0 | 0.49 | 0 |
| 43 | 8 | 43042542 | G>C | 0 | 0 | 0 | 0 |
| 44 | 8 | 47743418 | A>G | 0 | 0.37 | 0 | 0 |
| 45 | 8 | 48307653 | T>A | 0 | 0.73 | 0 | 0 |
| 46 | 8 | 48317218 | G>C | 0 | 0 | 0 | 0 |
| 47 | 8 | 48330168 | C>G | 0 | 0.32 | 0 | 0 |
| 48 | 8 | 48332354 | A>G | 0 | 0 | 0 | 0 |
| 49 | 8 | 48333801 | G>A | 0 | 0 | 0 | 0.3266667 |
| 50 | 8 | 48366200 | A>G | 0 | 0.476666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 48401840 | G>A | 0 | 0 | 0 | 0 |
| 3 | 8 | 48402867 | G>C | 0 | 0.385 | 0 | 0.45 |
| 4 | 8 | 48402887 | G>A | 0 | 0.416666667 | 0 | 0 |
| 5 | 8 | 48414571 | C>G | 0 | 0 | 0 | 0.34333333 |
| 6 | 8 | 48414785 | C>T | 0 | 0 | 0 | 0.30333333 |
| 7 | 8 | 48416923 | T>C | 0 | 0.37 | 0 | 0.60666667 |
| 8 | 8 | 48445997 | C>T | 0 | 0.6483333333 | 0 | 0 |
| 9 | 8 | 48453486 | G>A | 0 | 0 | 0 | 0 |
| 10 | 8 | 48461564 | A>G | 0 | 0 | 0 | 0 |
| 11 | 8 | 48463090 | G>A | 0 | 0.37 | 0 | 0 |
| 12 | 8 | 48464208 | C>T | 0 | 0.445 | 0 | 0 |
| 13 | 8 | 48466506 | C>T | 0 | 0.37 | 0 | 0 |
| 14 | 8 | 48483453 | A>G | 0 | 0.37 | 0 | 0.69333333 |
| 15 | 8 | 48533449 | T>G | 0 | 0 | 0 | 0 |
| 16 | 8 | 48755477 | C>G | 0 | 0.476666667 | 0 | 0 |
| 17 | 8 | 48813193 | A>G | 0 | 0.47 | 0 | 0.74 |
| 18 | 8 | 48922096 | A>G | 0 | 0 | 0 | 0.44333333 |
| 19 | 8 | 48944453 | G>A | 0 | 0 | 0 | 0 |
| 20 | 8 | 51055383 | A>G | 0 | 0.5833333333 | 0 | 0.35666667 |
| 21 | 8 | 51063232 | T>C | 0 | 0 | 0.316666667 | 0 |
| 22 | 8 | 51149269 | A>C | 0 | 0.3333333333 | 0 | 0.52666667 |
| 23 | 8 | 51208997 | G>A | 0 | 0.3133333333 | 0 | 0.35666667 |
| 24 | 8 | 51303765 | T>G | 0 | 0.606666667 | 0 | 0 |
| 25 | 8 | 51402627 | T>G | 0 | 0.416666667 | 0 | 0 |
| 26 | 8 | 51614675 | T>G | 0 | 0 | 0 | 0.43 |
| 27 | 8 | 51648458 | A>G | 0 | 0.346666667 | 0 | 0 |
| 28 | 8 | 51671819 | G>T | 0 | 0.37 | 0 | 0 |
| 29 | 8 | 51694121 | G>A | 0 | 0 | 0 | 0.41666667 |
| 30 | 8 | 51695265 | T>C | 0 | 0.521666667 | 0 | 0.50666667 |
| 31 | 8 | 52289404 | G>A | 0 | 0 | 0 | 0 |
| 32 | 8 | 52305250 | A>G | 0 | 0 | 0 | 1 |
| 33 | 8 | 52336710 | C>G | 0 | 0.506666667 | 0 | 0 |
| 34 | 8 | 52342027 | A>G | 0 | 0.666666667 | 0 | 0 |
| 35 | 8 | 52410316 | A>G | 0 | 0 | 0 | 0 |
| 36 | 8 | 52410318 | G>A | 0 | 0 | 0 | 0 |
| 37 | 8 | 52431866 | T>C | 0 | 0.3133333333 | 0 | 0 |
| 38 | 8 | 52504458 | C>T | 0 | 0 | 0 | 0.44 |
| 39 | 8 | 52557231 | A>C | 0 | 0 | 0.351666667 | 0.40333333 |
| 40 | 8 | 52668698 | C>A | 0 | 0 | 0 | 0.31333333 |
| 41 | 8 | 52709626 | T>C | 0 | 0.555 | 0.3333333333 | 0.33333333 |
| 42 | 8 | 52736231 | A>G | 0 | 0 | 0.385 | 0 |
| 43 | 8 | 52736655 | G>A | 0 | 0.3133333333 | 0 | 0 |
| 44 | 8 | 52737038 | A>C | 0 | 0 | 0 | 1 |
| 45 | 8 | 53122152 | A>T | 0 | 0 | 0 | 0 |
| 46 | 8 | 53451630 | T>G | 0 | 0.435 | 0 | 0 |
| 47 | 8 | 53539821 | T>C | 0 | 0 | 0 | 0.50666667 |
| 48 | 8 | 53565343 | C>T | 0 | 0.5 | 0 | 0 |
| 49 | 8 | 54146529 | G>A | 0 | 0 | 0 | 0.32666667 |
| 50 | 8 | 54696208 | A>G | 0 | 0 | 0 | 0.53333333 |
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|----|---|----------|-----|---|-------------|--------------|-----------|
| 1 | 8 | 54697849 | C>G | 0 | 0 | 0.3083333333 | 0 |
| 2 | 8 | 54796334 | A>G | 0 | 0.666666667 | 0 | 0 |
| 3 | 8 | 54869445 | C>T | 0 | 0 | 0.316666667 | 0 |
| 4 | 8 | 54881313 | C>T | 0 | 0.445 | 0 | 0 |
| 5 | 8 | 54983165 | A>C | 0 | 0 | 0 | 0 |
| 6 | 8 | 56015668 | C>T | 0 | 0 | 0 | 0 |
| 7 | 8 | 56129652 | C>A | 0 | 0 | 0.316666667 | 0 |
| 8 | 8 | 56376899 | C>T | 0 | 0 | 0 | 0 |
| 9 | 8 | 56390602 | A>G | 0 | 0.555 | 0 | 0 |
| 10 | 8 | 56435573 | C>T | 0 | 0.513333333 | 0 | 0 |
| 11 | 8 | 56435611 | G>C | 0 | 0.445 | 0 | 0 |
| 12 | 8 | 56807324 | T>C | 0 | 0 | 0 | 0 |
| 13 | 8 | 56809411 | A>G | 0 | 0.351666667 | 0 | 0 |
| 14 | 8 | 56821030 | C>T | 0 | 0 | 0 | 0 |
| 15 | 8 | 56850521 | T>G | 0 | 0 | 0 | 0 |
| 16 | 8 | 56889645 | T>G | 0 | 0.43 | 0 | 0 |
| 17 | 8 | 56912434 | A>G | 0 | 0.513333333 | 0 | 0 |
| 18 | 8 | 56916690 | C>T | 0 | 0.346666667 | 0 | 0 |
| 19 | 8 | 59006681 | G>T | 0 | 0.333333333 | 0 | 0 |
| 20 | 8 | 59540579 | G>A | 0 | 0 | 0 | 0 |
| 21 | 8 | 59557156 | A>C | 0 | 0.463333333 | 0 | 0.7066667 |
| 22 | 8 | 59569314 | A>G | 0 | 0.445 | 0 | 0 |
| 23 | 8 | 59809148 | C>T | 0 | 0.476666667 | 0 | 0 |
| 24 | 8 | 59915082 | C>T | 0 | 0 | 0 | 0 |
| 25 | 8 | 61190102 | T>C | 0 | 0.428333333 | 0 | 0 |
| 26 | 8 | 61499215 | T>C | 0 | 0.435 | 0 | 0 |
| 27 | 8 | 61603564 | C>A | 0 | 0 | 0 | 0 |
| 28 | 8 | 61617538 | C>A | 0 | 0.385 | 0 | 0 |
| 29 | 8 | 61619589 | C>T | 0 | 0.333333333 | 0.323333333 | 0.3033333 |
| 30 | 8 | 61741972 | T>C | 0 | 0 | 0 | 0.7033333 |
| 31 | 8 | 61742096 | G>C | 0 | 0 | 0 | 0 |
| 32 | 8 | 62333366 | G>A | 0 | 0 | 0 | 0.3433333 |
| 33 | 8 | 62355284 | G>A | 0 | 0.385 | 0 | 0 |
| 34 | 8 | 62388922 | G>A | 0 | 0 | 0 | 0.5566667 |
| 35 | 8 | 62396526 | A>C | 0 | 0.313333333 | 0 | 0 |
| 36 | 8 | 62407929 | G>A | 0 | 0.455 | 0 | 0 |
| 37 | 8 | 63202205 | G>C | 0 | 0.333333333 | 0 | 0.3133333 |
| 38 | 8 | 63202409 | A>G | 0 | 0 | 0 | 0 |
| 39 | 8 | 63233375 | A>G | 0 | 0 | 0 | 0 |
| 40 | 8 | 63263529 | A>G | 0 | 0 | 0 | 0 |
| 41 | 8 | 63357597 | T>C | 0 | 0 | 0 | 0 |
| 42 | 8 | 63438065 | T>C | 0 | 0.333333333 | 0 | 0 |
| 43 | 8 | 63646802 | T>A | 0 | 0.37 | 0 | 0 |
| 44 | 8 | 63700816 | A>G | 0 | 0 | 0 | 0 |
| 45 | 8 | 63718947 | G>A | 0 | 0 | 0 | 0.63 |
| 46 | 8 | 63760017 | T>G | 0 | 0.333333333 | 0 | 0 |
| 47 | 8 | 63760019 | A>T | 0 | 0.333333333 | 0 | 0 |
| 48 | 8 | 63766929 | C>A | 0 | 0.513333333 | 0 | 0.37 |
| 49 | 8 | 63783842 | A>G | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 63788104 | T>G | 0 | 0.316666667 | 0 | 0.47666667 |
| 3 | 8 | 63886479 | A>G | 0 | 0 | 0 | 0 |
| 4 | 8 | 63887682 | A>T | 0 | 0 | 0 | 0 |
| 5 | 8 | 63888545 | T>A | 0 | 0 | 0 | 0 |
| 6 | 8 | 63888547 | T>C | 0 | 0.438333333 | 0 | 0 |
| 7 | 8 | 63995682 | A>C | 0 | 0.416666667 | 0 | 0 |
| 8 | 8 | 65512016 | G>A | 0 | 0.323333333 | 0 | 0.69333333 |
| 9 | 8 | 65566263 | C>T | 0 | 0.5 | 0 | 0 |
| 10 | 8 | 65653979 | T>C | 0 | 0.385 | 0 | 0 |
| 11 | 8 | 66524847 | G>C | 0 | 0 | 0 | 0.47666667 |
| 12 | 8 | 66526933 | C>T | 0 | 0.555 | 0 | 0 |
| 13 | 8 | 66607780 | C>T | 0 | 0.416666667 | 0 | 0.34333333 |
| 14 | 8 | 66721942 | T>C | 0 | 0.308333333 | 0 | 0 |
| 15 | 8 | 67063169 | G>A | 0 | 0.445 | 0 | 0 |
| 16 | 8 | 67541887 | G>A | 0 | 0.316666667 | 0 | 0 |
| 17 | 8 | 67630830 | T>C | 0 | 0 | 0 | 0 |
| 18 | 8 | 67643142 | C>G | 0 | 0.5 | 0 | 0 |
| 19 | 8 | 67673145 | G>A | 0 | 0 | 0 | 0.33333333 |
| 20 | 8 | 67712067 | G>C | 0 | 0 | 0 | 0 |
| 21 | 8 | 67720954 | T>C | 0 | 0.303333333 | 0 | 0 |
| 22 | 8 | 67729442 | C>T | 0 | 0.333333333 | 0 | 0 |
| 23 | 8 | 67749819 | T>C | 0 | 0 | 0 | 0 |
| 24 | 8 | 67920252 | T>G | 0 | 0 | 0 | 0.42666667 |
| 25 | 8 | 67965532 | T>G | 0 | 0.435 | 0 | 0.76333333 |
| 26 | 8 | 68004902 | G>A | 0 | 0 | 0 | 0 |
| 27 | 8 | 68089261 | G>A | 0 | 0.606666667 | 0 | 0 |
| 28 | 8 | 68209157 | G>T | 0 | 0 | 0 | 0 |
| 29 | 8 | 68217701 | T>G | 0 | 0.416666667 | 0 | 0 |
| 30 | 8 | 68384923 | C>A | 0 | 0.555 | 0 | 0 |
| 31 | 8 | 68448824 | T>A | 0 | 0 | 0 | 0 |
| 32 | 8 | 68464805 | A>G | 0 | 0 | 0 | 0.36333333 |
| 33 | 8 | 69529925 | C>T | 0 | 0.513333333 | 0 | 0 |
| 34 | 8 | 69529972 | T>C | 0 | 0 | 0 | 0.60666667 |
| 35 | 8 | 69668065 | A>G | 0 | 0.445 | 0 | 0 |
| 36 | 8 | 69679994 | T>C | 0 | 0 | 0 | 0.38333333 |
| 37 | 8 | 69688368 | C>T | 0 | 0.416666667 | 0 | 0.31666667 |
| 38 | 8 | 70485188 | A>G | 0 | 0.521666667 | 0 | 0 |
| 39 | 8 | 70587008 | A>C | 0 | 0.445 | 0 | 0.74 |
| 40 | 8 | 70663994 | T>C | 0 | 0 | 0 | 0.37 |
| 41 | 8 | 71043058 | C>T | 0 | 0.606666667 | 0 | 0 |
| 42 | 8 | 71053494 | C>T | 0 | 0 | 0 | 0 |
| 43 | 8 | 71055463 | A>G | 0 | 0 | 0.36 | 0 |
| 44 | 8 | 71059513 | A>G | 0 | 0.37 | 0 | 0 |
| 45 | 8 | 71102867 | C>A | 0 | 0.416666667 | 0 | 0 |
| 46 | 8 | 71277406 | A>T | 0 | 0.333333333 | 0 | 0 |
| 47 | 8 | 71310654 | T>C | 0 | 0.351666667 | 0 | 0 |
| 48 | 8 | 71539318 | C>T | 0 | 0.396666667 | 0 | 0 |
| 49 | 8 | 71540309 | C>T | 0 | 0.36 | 0 | 0 |
| 50 | 8 | 71541547 | G>A | 0 | 0.37 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 71571058 | G>A | 0 | 0 | 0 | 0 |
| 3 | 8 | 72366840 | G>A | 0 | 0 | 0 | 0.39333333 |
| 4 | 8 | 72367169 | C>G | 0 | 0 | 0 | 0 |
| 5 | 8 | 72368098 | G>C | 0 | 0 | 0 | 0.46333333 |
| 6 | 8 | 72458037 | C>T | 0 | 0.4283333333 | 0 | 0.65333333 |
| 7 | 8 | 72769398 | A>G | 0 | 0.5 | 0 | 0.66666667 |
| 8 | 8 | 72788894 | G>C | 0 | 0.32 | 0 | 0 |
| 9 | 8 | 72789043 | A>G | 0 | 0 | 0 | 0 |
| 10 | 8 | 72790696 | A>T | 0 | 0 | 0 | 0.71333333 |
| 11 | 8 | 72812296 | G>T | 0 | 0.5333333333 | 0.3333333333 | 0 |
| 12 | 8 | 72814718 | A>T | 0 | 0 | 0 | 0.55666667 |
| 13 | 8 | 72849246 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 14 | 8 | 72849796 | G>T | 0 | 0 | 0 | 0.62666667 |
| 15 | 8 | 73511100 | C>A | 0 | 0 | 0 | 0.57333333 |
| 16 | 8 | 73628316 | T>G | 0 | 0.3033333333 | 0 | 0 |
| 17 | 8 | 73693058 | A>G | 0 | 0 | 0.4166666667 | 0 |
| 18 | 8 | 73756639 | T>C | 0 | 0 | 0 | 0 |
| 19 | 8 | 73812797 | A>C | 0 | 0.6066666667 | 0 | 0 |
| 20 | 8 | 73984819 | A>G | 0 | 0.3333333333 | 0 | 0.36333333 |
| 21 | 8 | 74351650 | G>A | 0 | 0 | 0 | 0.50333333 |
| 22 | 8 | 74483806 | C>T | 0 | 0.37 | 0 | 0 |
| 23 | 8 | 74486108 | A>G | 0 | 0 | 0 | 0 |
| 24 | 8 | 74497647 | G>A | 0 | 0 | 0 | 0 |
| 25 | 8 | 74761503 | G>T | 0 | 0.3333333333 | 0 | 0.30333333 |
| 26 | 8 | 74864579 | G>T | 0 | 0.4166666667 | 0 | 0 |
| 27 | 8 | 74906092 | A>G | 0 | 0.385 | 0.4383333333 | 0 |
| 28 | 8 | 74907002 | C>G | 0 | 0.4666666667 | 0 | 0 |
| 29 | 8 | 74911471 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 30 | 8 | 74918621 | A>C | 0 | 0 | 0 | 0 |
| 31 | 8 | 74929161 | G>A | 0 | 0.555 | 0 | 0 |
| 32 | 8 | 74932817 | C>A | 0 | 0 | 0 | 0.33333333 |
| 33 | 8 | 74933799 | C>T | 0 | 0.4766666667 | 0 | 0 |
| 34 | 8 | 75164060 | C>A | 0 | 0.6066666667 | 0 | 0 |
| 35 | 8 | 75164471 | G>C | 0 | 0.37 | 0 | 0.31666667 |
| 36 | 8 | 75168429 | G>A | 0 | 0 | 0 | 0 |
| 37 | 8 | 75263505 | C>G | 0 | 0 | 0 | 0 |
| 38 | 8 | 75936821 | G>A | 0 | 0.4 | 0 | 0.4 |
| 39 | 8 | 77690826 | A>T | 0 | 0 | 0 | 0 |
| 40 | 8 | 77775924 | A>G | 0 | 0 | 0 | 0 |
| 41 | 8 | 79665840 | C>T | 0 | 0.3766666667 | 0 | 0 |
| 42 | 8 | 79680072 | A>T | 0 | 0 | 0 | 0.71333333 |
| 43 | 8 | 80537967 | T>C | 0 | 0.3466666667 | 0 | 0 |
| 44 | 8 | 80833276 | G>T | 0 | 0 | 0 | 0.31666667 |
| 45 | 8 | 80834186 | C>T | 0 | 0.445 | 0 | 0 |
| 46 | 8 | 80896654 | A>T | 0 | 0 | 0 | 0 |
| 47 | 8 | 80896746 | C>T | 0 | 0 | 0 | 0 |
| 48 | 8 | 80899976 | G>C | 0 | 0.4866666667 | 0 | 0 |
| 49 | 8 | 80900281 | A>G | 0 | 0 | 0.4 | 0.58 |
| 50 | 8 | 80910065 | G>A | 0 | 0.3333333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 80918573 | G>A | 0 | 0 | 0 | 0.3333333 |
| 3 | 8 | 80919409 | T>A | 0 | 0 | 0.521666667 | 0.4 |
| 4 | 8 | 80971827 | G>A | 0 | 0.303333333 | 0 | 0.4166667 |
| 5 | 8 | 80987340 | G>A | 0 | 0.613333333 | 0 | 0 |
| 6 | 8 | 81403262 | G>A | 0 | 0 | 0 | 0 |
| 7 | 8 | 81419281 | G>A | 0 | 0 | 0 | 0.62 |
| 8 | 8 | 81567092 | G>T | 0 | 0.391666667 | 0 | 0 |
| 9 | 8 | 81598662 | A>G | 0 | 0.391666667 | 0 | 0.37 |
| 10 | 8 | 81660217 | C>T | 0 | 0 | 0 | 0 |
| 11 | 8 | 81660218 | A>G | 0 | 0 | 0 | 0 |
| 12 | 8 | 81939866 | C>T | 0 | 0.376666667 | 0 | 0 |
| 13 | 8 | 85218227 | A>G | 0 | 0.455 | 0 | 0 |
| 14 | 8 | 85223008 | T>C | 0 | 0.333333333 | 0 | 0.3933333 |
| 15 | 8 | 85280973 | G>A | 0 | 0.476666667 | 0 | 0 |
| 16 | 8 | 85350833 | C>G | 0 | 0.333333333 | 0 | 0 |
| 17 | 8 | 85380546 | T>C | 0 | 0.445 | 0 | 0 |
| 18 | 8 | 85436113 | T>G | 0 | 0 | 0 | 0.35 |
| 19 | 8 | 85438404 | A>G | 0 | 0.833333333 | 0 | 0 |
| 20 | 8 | 85722300 | A>G | 0 | 0 | 0 | 0 |
| 21 | 8 | 85752914 | T>G | 0 | 0 | 0 | 0 |
| 22 | 8 | 86053116 | A>G | 0 | 0.4 | 0 | 0 |
| 23 | 8 | 86056919 | A>G | 0 | 0 | 0 | 0.7833333 |
| 24 | 8 | 86139305 | T>C | 0 | 0.385 | 0 | 0 |
| 25 | 8 | 87143823 | G>A | 0 | 0.4 | 0 | 0 |
| 26 | 8 | 87691946 | G>T | 0 | 0 | 0 | 0.49 |
| 27 | 8 | 87750883 | C>T | 0 | 0 | 0 | 0.3833333 |
| 28 | 8 | 87880609 | T>C | 0 | 0.435 | 0 | 0 |
| 29 | 8 | 87968634 | A>G | 0 | 0.455 | 0 | 0 |
| 30 | 8 | 87971678 | G>A | 0 | 0.695 | 0 | 0 |
| 31 | 8 | 88019309 | T>C | 0 | 0 | 0 | 0.4166667 |
| 32 | 8 | 88039672 | A>G | 0 | 0.438333333 | 0 | 0 |
| 33 | 8 | 88069884 | A>C | 0 | 0.476666667 | 0 | 0 |
| 34 | 8 | 88347229 | T>G | 0 | 0 | 0.436666667 | 0.4633333 |
| 35 | 8 | 88347596 | T>C | 0 | 0.833333333 | 0 | 0.4766667 |
| 36 | 8 | 89170501 | G>A | 0 | 0.521666667 | 0 | 0.4833333 |
| 37 | 8 | 89235126 | G>A | 0 | 0.416666667 | 0 | 0 |
| 38 | 8 | 89250716 | C>A | 0 | 0.445 | 0 | 0 |
| 39 | 8 | 89283858 | A>G | 0 | 0 | 0 | 0.6366667 |
| 40 | 8 | 89299021 | T>C | 0 | 0 | 0 | 0 |
| 41 | 8 | 90989840 | T>A | 0 | 0 | 0 | 0 |
| 42 | 8 | 91036585 | T>C | 0 | 0 | 0 | 0 |
| 43 | 8 | 91037205 | A>G | 0 | 0 | 0 | 0.4533333 |
| 44 | 8 | 91053052 | C>T | 0 | 0 | 0 | 0 |
| 45 | 8 | 91061202 | C>T | 0 | 0 | 0 | 0.4433333 |
| 46 | 8 | 92161282 | C>G | 0 | 0 | 0 | 0 |
| 47 | 8 | 92368951 | T>C | 0 | 0 | 0 | 0 |
| 48 | 8 | 93046090 | A>G | 0 | 0 | 0 | 0.37 |
| 49 | 8 | 93095468 | C>A | 0 | 0 | 0 | 0.3166667 |
| 50 | 8 | 94788341 | G>C | 0 | 0 | 0 | 0.4033333 |
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| 1 | | | | | | | |
| 2 | 8 | 94791288 | G>T | 0 | 0.378333333 | 0 | 0 |
| 3 | 8 | 95144258 | A>G | 0 | 0.351666667 | 0 | 0 |
| 4 | 8 | 95145086 | T>G | 0 | 0.606666667 | 0 | 0.77 |
| 5 | 8 | 95145229 | T>G | 0 | 0.435 | 0 | 0 |
| 6 | 8 | 95145469 | G>A | 0 | 0.346666667 | 0 | 0.33333333 |
| 7 | 8 | 95146916 | C>T | 0 | 0 | 0 | 0 |
| 8 | 8 | 95417284 | T>C | 0 | 0.333333333 | 0 | 0 |
| 9 | 8 | 95750821 | T>C | 0 | 0.388333333 | 0 | 0 |
| 10 | 8 | 95752808 | G>A | 0 | 0.476666667 | 0 | 0 |
| 11 | 8 | 95879862 | A>C | 0 | 0.333333333 | 0 | 0.43333333 |
| 12 | 8 | 95951856 | G>C | 0 | 0.346666667 | 0 | 0 |
| 13 | 8 | 97252317 | C>A | 0 | 0 | 0.428333333 | 0 |
| 14 | 8 | 97799015 | C>T | 0 | 0.513333333 | 0 | 0 |
| 15 | 8 | 97917410 | G>A | 0 | 0.513333333 | 0 | 0 |
| 16 | 8 | 97967188 | A>G | 0 | 0 | 0 | 0.33333333 |
| 17 | 8 | 98105259 | C>A | 0 | 0.49 | 0 | 0 |
| 18 | 8 | 98681923 | C>T | 0 | 0.455 | 0 | 0 |
| 19 | 8 | 98717494 | T>C | 0 | 0.521666667 | 0 | 0 |
| 20 | 8 | 98792536 | C>T | 0 | 0 | 0 | 0 |
| 21 | 8 | 98993069 | A>T | 0 | 0.391666667 | 0 | 0 |
| 22 | 8 | 99013911 | A>G | 0 | 0.32 | 0 | 0 |
| 23 | 8 | 99120146 | T>C | 0 | 0 | 0 | 0 |
| 24 | 8 | 99167788 | A>G | 0 | 0.403333333 | 0 | 0 |
| 25 | 8 | 99514174 | G>T | 0 | 0.356666667 | 0 | 0 |
| 26 | 8 | 99516918 | A>T | 0 | 0.588333333 | 0 | 0 |
| 27 | 8 | 99516940 | C>T | 0 | 0 | 0 | 0.35 |
| 28 | 8 | 99517220 | T>C | 0 | 0 | 0 | 0.38333333 |
| 29 | 8 | 99663347 | C>T | 0 | 0.555 | 0 | 0 |
| 30 | 8 | 99665634 | T>C | 0 | 0 | 0 | 0 |
| 31 | 8 | 99667602 | G>T | 0 | 0 | 0 | 0.33333333 |
| 32 | 8 | 99709166 | A>G | 0 | 0.833333333 | 0 | 0 |
| 33 | 8 | 99709610 | C>T | 0 | 0 | 0 | 0.35666667 |
| 34 | 8 | 1E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 35 | 8 | 1E+08 | C>G | 0 | 0 | 0 | 0 |
| 36 | 8 | 1E+08 | T>C | 0 | 0 | 0 | 0 |
| 37 | 8 | 1E+08 | T>C | 0 | 0.32 | 0.323333333 | 0 |
| 38 | 8 | 1E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 39 | 8 | 1E+08 | A>G | 0 | 0 | 0 | 0.72333333 |
| 40 | 8 | 1E+08 | T>A | 0 | 0.555 | 0 | 0 |
| 41 | 8 | 1E+08 | G>C | 0 | 0.333333333 | 0 | 0.58 |
| 42 | 8 | 1E+08 | C>T | 0 | 0 | 0 | 0 |
| 43 | 8 | 1E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 44 | 8 | 1E+08 | A>T | 0 | 0 | 0 | 0.53666667 |
| 45 | 8 | 1E+08 | C>A | 0 | 0 | 0 | 0.32333333 |
| 46 | 8 | 1E+08 | G>A | 0 | 0 | 0 | 0.41666667 |
| 47 | 8 | 1E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 48 | 8 | 1E+08 | A>T | 0 | 0 | 0 | 0 |
| 49 | 8 | 1E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 50 | 8 | 1.01E+08 | A>T | 0 | 0 | 0 | 0.46 |
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| 1 | | | | | | | |
| 2 | 8 | 1.01E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 8 | 1.01E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 8 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.40333333 |
| 5 | 8 | 1.01E+08 | G>C | 0 | 0 | 0 | 0 |
| 6 | 8 | 1.01E+08 | T>C | 0 | 0.3033333333 | 0 | 0 |
| 7 | 8 | 1.01E+08 | G>T | 0 | 0.316666667 | 0 | 0 |
| 8 | 8 | 1.01E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 9 | 8 | 1.01E+08 | G>T | 0 | 0 | 0 | 0.80333333 |
| 10 | 8 | 1.01E+08 | A>G | 0 | 0.37 | 0 | 0.43333333 |
| 11 | 8 | 1.01E+08 | C>T | 0 | 0 | 0.3133333333 | 0 |
| 12 | 8 | 1.01E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 13 | 8 | 1.01E+08 | T>G | 0 | 0 | 0 | 0.33333333 |
| 14 | 8 | 1.01E+08 | A>G | 0 | 0 | 0 | 0 |
| 15 | 8 | 1.01E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 16 | 8 | 1.01E+08 | A>C | 0 | 0 | 0 | 0 |
| 17 | 8 | 1.01E+08 | T>C | 0 | 0.416666667 | 0 | 0.6866667 |
| 18 | 8 | 1.01E+08 | A>G | 0 | 0 | 0 | 0.46333333 |
| 19 | 8 | 1.01E+08 | A>G | 0 | 0 | 0 | 0.31 |
| 20 | 8 | 1.02E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 21 | 8 | 1.02E+08 | A>G | 0 | 0.5133333333 | 0 | 0.31333333 |
| 22 | 8 | 1.02E+08 | A>G | 0 | 0 | 0 | 1 |
| 23 | 8 | 1.03E+08 | A>G | 0 | 0.31 | 0 | 0.4766667 |
| 24 | 8 | 1.03E+08 | A>G | 0 | 0 | 0 | 0.6166667 |
| 25 | 8 | 1.03E+08 | A>C | 0 | 0 | 0 | 0 |
| 26 | 8 | 1.03E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 27 | 8 | 1.03E+08 | T>G | 0 | 0.385 | 0 | 0 |
| 28 | 8 | 1.03E+08 | T>C | 0 | 0 | 0 | 0.46333333 |
| 29 | 8 | 1.03E+08 | T>C | 0 | 0.666666667 | 0 | 0 |
| 30 | 8 | 1.03E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 31 | 8 | 1.03E+08 | G>A | 0 | 0 | 0 | 0.37 |
| 32 | 8 | 1.03E+08 | T>A | 0 | 0.476666667 | 0 | 0 |
| 33 | 8 | 1.03E+08 | T>G | 0 | 0.5133333333 | 0 | 0.71333333 |
| 34 | 8 | 1.03E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 35 | 8 | 1.03E+08 | T>C | 0 | 0 | 0 | 0.51333333 |
| 36 | 8 | 1.03E+08 | T>G | 0 | 0.5883333333 | 0 | 0 |
| 37 | 8 | 1.03E+08 | A>C | 0 | 0.3333333333 | 0 | 0 |
| 38 | 8 | 1.03E+08 | T>C | 0 | 0.526666667 | 0 | 0 |
| 39 | 8 | 1.04E+08 | C>A | 0 | 0.385 | 0 | 0.33333333 |
| 40 | 8 | 1.04E+08 | C>T | 0 | 0 | 0 | 0 |
| 41 | 8 | 1.04E+08 | A>G | 0 | 0 | 0 | 0 |
| 42 | 8 | 1.04E+08 | T>C | 0 | 0.526666667 | 0 | 0 |
| 43 | 8 | 1.04E+08 | C>T | 0 | 0.705 | 0 | 0.5066667 |
| 44 | 8 | 1.04E+08 | A>T | 0 | 0 | 0 | 0.6666667 |
| 45 | 8 | 1.05E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 46 | 8 | 1.05E+08 | A>G | 0 | 0.3333333333 | 0 | 1 |
| 47 | 8 | 1.05E+08 | G>A | 0 | 0 | 0 | 0.49333333 |
| 48 | 8 | 1.05E+08 | T>A | 0 | 0 | 0 | 0.43333333 |
| 49 | 8 | 1.05E+08 | T>C | 0 | 0 | 0 | 0.54 |
| 50 | 8 | 1.05E+08 | C>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 1.05E+08 | C>G | 0 | 0.49 | 0 | 0 |
| 3 | 8 | 1.05E+08 | A>C | 0 | 0.476666667 | 0 | 0 |
| 4 | 8 | 1.05E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 8 | 1.05E+08 | T>C | 0 | 0.606666667 | 0 | 0 |
| 6 | 8 | 1.05E+08 | C>A | 0 | 0.303333333 | 0 | 0 |
| 7 | 8 | 1.05E+08 | C>T | 0 | 0 | 0 | 0.45 |
| 8 | 8 | 1.05E+08 | C>T | 0 | 0.391666667 | 0 | 0 |
| 9 | 8 | 1.05E+08 | A>T | 0 | 0 | 0 | 0.43 |
| 10 | 8 | 1.05E+08 | G>A | 0 | 0 | 0 | 0 |
| 11 | 8 | 1.05E+08 | A>G | 0 | 0.513333333 | 0 | 0 |
| 12 | 8 | 1.06E+08 | A>G | 0 | 0 | 0 | 0.3266667 |
| 13 | 8 | 1.06E+08 | A>G | 0 | 0 | 0 | 0 |
| 14 | 8 | 1.06E+08 | G>A | 0 | 0.333333333 | 0.463333333 | 0.6266667 |
| 15 | 8 | 1.06E+08 | A>C | 0 | 0 | 0 | 0 |
| 16 | 8 | 1.06E+08 | T>C | 0 | 0 | 0 | 0 |
| 17 | 8 | 1.06E+08 | G>C | 0 | 0 | 0 | 0 |
| 18 | 8 | 1.07E+08 | C>T | 0 | 0 | 0 | 0.3833333 |
| 19 | 8 | 1.07E+08 | G>T | 0 | 0 | 0 | 0 |
| 20 | 8 | 1.07E+08 | G>A | 0 | 0.391666667 | 0 | 0.5066667 |
| 21 | 8 | 1.07E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 22 | 8 | 1.07E+08 | T>C | 0 | 0 | 0 | 0 |
| 23 | 8 | 1.08E+08 | C>A | 0 | 0 | 0 | 0 |
| 24 | 8 | 1.08E+08 | A>G | 0 | 0.506666667 | 0 | 0 |
| 25 | 8 | 1.08E+08 | T>C | 0 | 0 | 0.555 | 0 |
| 26 | 8 | 1.08E+08 | A>G | 0 | 0 | 0 | 0.6833333 |
| 27 | 8 | 1.08E+08 | A>G | 0 | 0 | 0 | 0 |
| 28 | 8 | 1.09E+08 | G>A | 0 | 0 | 0 | 0.4266667 |
| 29 | 8 | 1.09E+08 | G>T | 0 | 0.356666667 | 0 | 0 |
| 30 | 8 | 1.09E+08 | A>C | 0 | 0.333333333 | 0 | 0 |
| 31 | 8 | 1.09E+08 | T>A | 0 | 0.455 | 0 | 0 |
| 32 | 8 | 1.09E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 33 | 8 | 1.09E+08 | A>C | 0 | 0 | 0 | 0.41 |
| 34 | 8 | 1.09E+08 | G>A | 0 | 0.385 | 0.316666667 | 0 |
| 35 | 8 | 1.09E+08 | C>A | 0 | 0.416666667 | 0 | 0 |
| 36 | 8 | 1.09E+08 | A>T | 0 | 0.351666667 | 0 | 0 |
| 37 | 8 | 1.09E+08 | T>G | 0 | 0 | 0.378333333 | 0.3433333 |
| 38 | 8 | 1.1E+08 | G>A | 0 | 0 | 0 | 0.44 |
| 39 | 8 | 1.1E+08 | T>C | 0 | 0 | 0 | 0 |
| 40 | 8 | 1.1E+08 | C>T | 0 | 0 | 0 | 0.37 |
| 41 | 8 | 1.11E+08 | A>T | 0 | 0 | 0 | 0 |
| 42 | 8 | 1.11E+08 | C>A | 0 | 0 | 0 | 0 |
| 43 | 8 | 1.13E+08 | T>C | 0 | 0 | 0 | 0.4766667 |
| 44 | 8 | 1.13E+08 | A>G | 0 | 0 | 0 | 0 |
| 45 | 8 | 1.13E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 46 | 8 | 1.13E+08 | A>C | 0 | 0.361666667 | 0 | 0 |
| 47 | 8 | 1.14E+08 | T>C | 0 | 0 | 0 | 0 |
| 48 | 8 | 1.14E+08 | A>G | 0 | 0 | 0 | 0 |
| 49 | 8 | 1.14E+08 | G>A | 0 | 0.351666667 | 0 | 0 |
| 50 | 8 | 1.14E+08 | T>A | 0 | 0 | 0 | 0.6833333 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 8 | 1.14E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 3 | 8 | 1.14E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 4 | 8 | 1.14E+08 | C>A | 0 | 0 | 0 | 0 |
| 5 | 8 | 1.14E+08 | T>C | 0 | 0 | 0 | 0 |
| 6 | 8 | 1.16E+08 | A>G | 0 | 0 | 0 | 0 |
| 7 | 8 | 1.17E+08 | C>A | 0 | 0.58 | 0 | 0 |
| 8 | 8 | 1.17E+08 | A>T | 0 | 0 | 0 | 0 |
| 9 | 8 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 10 | 8 | 1.19E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 11 | 8 | 1.19E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 12 | 8 | 1.19E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 13 | 8 | 1.19E+08 | T>C | 0 | 0 | 0 | 0.5566667 |
| 14 | 8 | 1.19E+08 | G>A | 0 | 0.351666667 | 0 | 0 |
| 15 | 8 | 1.19E+08 | T>C | 0 | 0 | 0 | 0 |
| 16 | 8 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 17 | 8 | 1.2E+08 | C>T | 0 | 0 | 0 | 0 |
| 18 | 8 | 1.2E+08 | G>T | 0 | 0 | 0 | 0 |
| 19 | 8 | 1.2E+08 | G>A | 0 | 0.303333333 | 0 | 0 |
| 20 | 8 | 1.2E+08 | A>G | 0 | 0 | 0 | 0 |
| 21 | 8 | 1.2E+08 | A>G | 0 | 0 | 0.416666667 | 0 |
| 22 | 8 | 1.21E+08 | A>G | 0 | 0.391666667 | 0 | 0 |
| 23 | 8 | 1.21E+08 | A>G | 0 | 0 | 0 | 0.5566667 |
| 24 | 8 | 1.21E+08 | G>A | 0 | 0 | 0 | 0 |
| 25 | 8 | 1.21E+08 | G>A | 0 | 0.513333333 | 0 | 0 |
| 26 | 8 | 1.21E+08 | G>C | 0 | 0.416666667 | 0 | 0 |
| 27 | 8 | 1.21E+08 | T>G | 0 | 0 | 0 | 0.3466667 |
| 28 | 8 | 1.21E+08 | C>T | 0 | 0 | 0 | 0.5566667 |
| 29 | 8 | 1.21E+08 | C>T | 0 | 0 | 0 | 0 |
| 30 | 8 | 1.21E+08 | T>C | 0 | 0 | 0 | 0 |
| 31 | 8 | 1.21E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 32 | 8 | 1.21E+08 | A>G | 0 | 0.588333333 | 0 | 0 |
| 33 | 8 | 1.21E+08 | T>C | 0 | 0.403333333 | 0 | 0 |
| 34 | 8 | 1.21E+08 | T>A | 0 | 0.448333333 | 0 | 0 |
| 35 | 8 | 1.22E+08 | G>A | 0 | 0 | 0 | 0 |
| 36 | 8 | 1.22E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 37 | 8 | 1.22E+08 | A>G | 0 | 0.438333333 | 0 | 0 |
| 38 | 8 | 1.22E+08 | T>C | 0 | 0 | 0 | 0.6266667 |
| 39 | 8 | 1.24E+08 | A>C | 0 | 0.445 | 0 | 0 |
| 40 | 8 | 1.24E+08 | C>T | 0 | 0 | 0 | 0 |
| 41 | 8 | 1.24E+08 | T>C | 0 | 1 | 0 | 0 |
| 42 | 8 | 1.24E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 43 | 8 | 1.24E+08 | G>A | 0 | 0 | 0.366666667 | 0 |
| 44 | 8 | 1.24E+08 | A>T | 0 | 0 | 0 | 0 |
| 45 | 8 | 1.24E+08 | G>A | 0 | 0.49 | 0 | 0 |
| 46 | 8 | 1.24E+08 | A>G | 0 | 0 | 0 | 0 |
| 47 | 8 | 1.24E+08 | A>G | 0 | 0.323333333 | 0 | 0 |
| 48 | 8 | 1.24E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 49 | 8 | 1.24E+08 | T>C | 0 | 0.323333333 | 0.313333333 | 0 |
| 50 | 8 | 1.24E+08 | G>A | 0 | 0.351666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 1.25E+08 | A>T | 0 | 0 | 0 | 0.4333333 |
| 3 | 8 | 1.25E+08 | C>T | 0 | 0.5883333333 | 0.555 | 0.94333333 |
| 4 | 8 | 1.25E+08 | G>A | 0 | 0.4383333333 | 0 | 0.4566667 |
| 5 | 8 | 1.25E+08 | T>C | 0 | 0 | 0 | 0.35333333 |
| 6 | 8 | 1.26E+08 | A>G | 0 | 0 | 0 | 0 |
| 7 | 8 | 1.26E+08 | G>A | 0 | 0.606666667 | 0 | 0 |
| 8 | 8 | 1.26E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 9 | 8 | 1.26E+08 | G>A | 0 | 0 | 0 | 0 |
| 10 | 8 | 1.26E+08 | A>G | 0 | 0 | 0 | 0 |
| 11 | 8 | 1.26E+08 | A>G | 0 | 0.486666667 | 0 | 0.37 |
| 12 | 8 | 1.26E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 13 | 8 | 1.26E+08 | C>T | 0 | 0 | 0 | 0.39333333 |
| 14 | 8 | 1.26E+08 | T>C | 0 | 0.5133333333 | 0 | 0 |
| 15 | 8 | 1.26E+08 | A>G | 0 | 0.435 | 0 | 0 |
| 16 | 8 | 1.26E+08 | T>C | 0 | 0 | 0 | 0.3966667 |
| 17 | 8 | 1.26E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 18 | 8 | 1.26E+08 | A>G | 0 | 0.521666667 | 0 | 0 |
| 19 | 8 | 1.31E+08 | A>C | 0 | 0 | 0 | 0.88333333 |
| 20 | 8 | 1.31E+08 | G>A | 0 | 0 | 0 | 0 |
| 21 | 8 | 1.31E+08 | C>T | 0 | 0.3783333333 | 0 | 0 |
| 22 | 8 | 1.31E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 23 | 8 | 1.31E+08 | G>A | 0 | 0.32 | 0 | 0 |
| 24 | 8 | 1.31E+08 | G>T | 0 | 0.351666667 | 0 | 0 |
| 25 | 8 | 1.31E+08 | A>G | 0 | 0.416666667 | 0 | 0.37 |
| 26 | 8 | 1.32E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 27 | 8 | 1.32E+08 | G>C | 0 | 0.351666667 | 0 | 0 |
| 28 | 8 | 1.33E+08 | G>A | 0 | 0.631666667 | 0.3333333333 | 0.6166667 |
| 29 | 8 | 1.33E+08 | C>G | 0 | 0.346666667 | 0 | 0.46 |
| 30 | 8 | 1.33E+08 | C>T | 0 | 0.476666667 | 0 | 0.30333333 |
| 31 | 8 | 1.33E+08 | A>G | 0 | 0 | 0 | 0 |
| 32 | 8 | 1.34E+08 | T>C | 0 | 0 | 0 | 0.54 |
| 33 | 8 | 1.35E+08 | A>C | 0 | 0.416666667 | 0 | 0 |
| 34 | 8 | 1.36E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 35 | 8 | 1.36E+08 | C>T | 0 | 0.391666667 | 0 | 0 |
| 36 | 8 | 1.37E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 37 | 8 | 1.37E+08 | G>A | 0 | 0 | 0.526666667 | 0 |
| 38 | 8 | 1.39E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 39 | 8 | 1.39E+08 | C>T | 0 | 0 | 0.3033333333 | 0 |
| 40 | 8 | 1.39E+08 | T>G | 0 | 0.361666667 | 0 | 0 |
| 41 | 8 | 1.39E+08 | A>C | 0 | 0.715 | 0 | 0.33333333 |
| 42 | 8 | 1.39E+08 | A>G | 0 | 0 | 0.391666667 | 0.30333333 |
| 43 | 8 | 1.39E+08 | A>G | 0 | 0.8333333333 | 0 | 0 |
| 44 | 8 | 1.39E+08 | G>A | 0 | 0 | 0 | 0 |
| 45 | 8 | 1.4E+08 | A>G | 0 | 0 | 0 | 0 |
| 46 | 8 | 1.41E+08 | T>A | 0 | 0.3333333333 | 0 | 0 |
| 47 | 8 | 1.41E+08 | C>G | 0 | 0 | 0.37 | 0 |
| 48 | 8 | 1.41E+08 | G>A | 0 | 0 | 0 | 0.5066667 |
| 49 | 8 | 1.41E+08 | A>C | 0 | 0 | 0 | 0.3266667 |
| 50 | 8 | 1.42E+08 | C>T | 0 | 0.37 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 8 | 1.42E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 3 | 8 | 1.42E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 4 | 8 | 1.42E+08 | C>T | 0 | 0 | 0 | 0 |
| 5 | 8 | 1.42E+08 | T>A | 0 | 0 | 0 | 0 |
| 6 | 8 | 1.42E+08 | G>T | 0 | 0 | 0 | 0 |
| 7 | 8 | 1.42E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 8 | 8 | 1.42E+08 | A>T | 0 | 0.385 | 0 | 0 |
| 9 | 8 | 1.42E+08 | C>G | 0 | 0.316666667 | 0 | 0 |
| 10 | 8 | 1.42E+08 | C>T | 0 | 0 | 0 | 0.34 |
| 11 | 8 | 1.42E+08 | A>G | 0 | 0.435 | 0 | 0 |
| 12 | 8 | 1.42E+08 | C>T | 0 | 0 | 0 | 0.3166667 |
| 13 | 8 | 1.42E+08 | A>G | 0 | 0 | 0 | 0.4166667 |
| 14 | 8 | 1.42E+08 | G>C | 0 | 0 | 0 | 0 |
| 15 | 8 | 1.42E+08 | T>C | 0 | 0.376666667 | 0 | 0 |
| 16 | 8 | 1.42E+08 | G>A | 0 | 0 | 0 | 0 |
| 17 | 8 | 1.42E+08 | C>T | 0 | 0 | 0 | 0.35 |
| 18 | 8 | 1.42E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 19 | 8 | 1.44E+08 | C>G | 0 | 0.606666667 | 0 | 0 |
| 20 | 8 | 1.44E+08 | G>A | 0 | 0.513333333 | 0 | 0 |
| 21 | 8 | 1.45E+08 | A>G | 0 | 0 | 0 | 0 |
| 22 | 8 | 1.45E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 23 | 8 | 1.45E+08 | C>T | 0 | 0 | 0.333333333 | 0 |
| 24 | 8 | 1.46E+08 | T>A | 0 | 0 | 0 | 0 |
| 25 | 8 | 1.46E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 26 | 8 | 1.46E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 27 | 8 | 1.46E+08 | T>C | 0 | 0.666666667 | 0 | 0 |
| 28 | 9 | 219274 | G>A | 0 | 0 | 0.416666667 | 0 |
| 29 | 9 | 233040 | A>G | 0 | 0 | 0 | 0 |
| 30 | 9 | 245966 | C>T | 0 | 0.351666667 | 0 | 0 |
| 31 | 9 | 305391 | T>C | 0 | 0.555 | 0 | 0 |
| 32 | 9 | 430431 | T>C | 0 | 0.476666667 | 0 | 0 |
| 33 | 9 | 507770 | A>C | 0 | 0 | 0 | 0.34 |
| 34 | 9 | 620506 | G>A | 0 | 0.378333333 | 0 | 0 |
| 35 | 9 | 662420 | T>C | 0 | 0.378333333 | 0 | 0 |
| 36 | 9 | 671792 | G>A | 0 | 0.523333333 | 0 | 0 |
| 37 | 9 | 936501 | T>C | 0 | 0.351666667 | 0 | 0 |
| 38 | 9 | 2718808 | G>A | 0 | 0 | 0 | 0 |
| 39 | 9 | 2825684 | A>G | 0 | 0.49 | 0 | 0 |
| 40 | 9 | 3315950 | A>G | 0 | 0 | 0.416666667 | 0 |
| 41 | 9 | 3321086 | G>A | 0 | 0 | 0 | 0 |
| 42 | 9 | 3324728 | T>C | 0 | 0 | 0.385 | 0 |
| 43 | 9 | 3329205 | G>A | 0 | 0.32 | 0 | 0 |
| 44 | 9 | 3961954 | T>C | 0 | 0.333333333 | 0 | 0 |
| 45 | 9 | 4176890 | T>C | 0 | 0 | 0.351666667 | 0 |
| 46 | 9 | 4251817 | A>C | 0 | 0.333333333 | 0 | 0.5566667 |
| 47 | 9 | 4252813 | C>T | 0 | 0 | 0 | 0.5266667 |
| 48 | 9 | 4294261 | T>C | 0 | 0.323333333 | 0 | 0.54 |
| 49 | 9 | 4528310 | T>C | 0 | 0.37 | 0 | 0 |
| 50 | 9 | 4536570 | C>T | 0 | 0 | 0 | 0.54 |
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|----|---|---------|-----|---|-------------|-------------|-----------|
| 1 | 9 | 4609441 | A>T | 0 | 0 | 0 | 0.3433333 |
| 2 | 9 | 4624538 | A>G | 0 | 0.361666667 | 0 | 0 |
| 3 | 9 | 4652156 | A>C | 0 | 0.438333333 | 0 | 0 |
| 4 | 9 | 4655829 | A>G | 0 | 0 | 0.506666667 | 0 |
| 5 | 9 | 4660229 | T>C | 0 | 0.316666667 | 0 | 0 |
| 6 | 9 | 4822557 | A>C | 0 | 0.555 | 0.333333333 | 0 |
| 7 | 9 | 5034768 | G>T | 0 | 0 | 0 | 0.3033333 |
| 8 | 9 | 5037638 | T>A | 0 | 0 | 0 | 0 |
| 9 | 9 | 5103754 | C>T | 0 | 0 | 0 | 0 |
| 10 | 9 | 5105610 | C>A | 0 | 0 | 0.37 | 0 |
| 11 | 9 | 5106555 | C>T | 0 | 0.77 | 0 | 0.5566667 |
| 12 | 9 | 5115311 | A>T | 0 | 0 | 0.445 | 0.3433333 |
| 13 | 9 | 5115700 | A>G | 0 | 0.435 | 0 | 0.43 |
| 14 | 9 | 5369872 | T>A | 0 | 0 | 0 | 0 |
| 15 | 9 | 5385397 | T>C | 0 | 0.445 | 0.313333333 | 0 |
| 16 | 9 | 5695845 | T>A | 0 | 0 | 0 | 0.5433333 |
| 17 | 9 | 5723249 | T>C | 0 | 0 | 0 | 0.5266667 |
| 18 | 9 | 5759018 | A>C | 0 | 0 | 0 | 0.32 |
| 19 | 9 | 5759019 | G>A | 0 | 0 | 0 | 0.3333333 |
| 20 | 9 | 5814501 | A>G | 0 | 0.333333333 | 0.416666667 | 0.4766667 |
| 21 | 9 | 5970895 | C>T | 0 | 0.385 | 0.476666667 | 0 |
| 22 | 9 | 6421440 | G>T | 0 | 0 | 0.378333333 | 0 |
| 23 | 9 | 6426886 | T>C | 0 | 0 | 0 | 0.3333333 |
| 24 | 9 | 6456769 | A>G | 0 | 0.595 | 0 | 0 |
| 25 | 9 | 6474471 | C>T | 0 | 0 | 0 | 0.9 |
| 26 | 9 | 6562780 | T>C | 0 | 0.385 | 0 | 0 |
| 27 | 9 | 6598995 | G>A | 0 | 0.316666667 | 0 | 0.3533333 |
| 28 | 9 | 6803491 | C>A | 0 | 0.833333333 | 0 | 0 |
| 29 | 9 | 6821123 | A>T | 0 | 0.445 | 0 | 0 |
| 30 | 9 | 6821309 | G>A | 0 | 0 | 0 | 0 |
| 31 | 9 | 6847633 | A>G | 0 | 0.416666667 | 0 | 0 |
| 32 | 9 | 6985969 | A>G | 0 | 0.37 | 0 | 0 |
| 33 | 9 | 7001995 | T>C | 0 | 0 | 0 | 0 |
| 34 | 9 | 7002009 | T>C | 0 | 0 | 0 | 0 |
| 35 | 9 | 7158445 | T>A | 0 | 0 | 0.333333333 | 0 |
| 36 | 9 | 8324451 | C>T | 0 | 0 | 0.416666667 | 0 |
| 37 | 9 | 8440522 | T>C | 0 | 0 | 0.308333333 | 0 |
| 38 | 9 | 8555209 | G>A | 0 | 0 | 0 | 0 |
| 39 | 9 | 8749467 | C>T | 0 | 0 | 0 | 0 |
| 40 | 9 | 8750306 | G>T | 0 | 0 | 0 | 0.3833333 |
| 41 | 9 | 8791311 | C>T | 0 | 0 | 0 | 0 |
| 42 | 9 | 8910154 | C>T | 0 | 0.4 | 0 | 0 |
| 43 | 9 | 9076348 | C>T | 0 | 0.445 | 0 | 0.37 |
| 44 | 9 | 9076360 | C>T | 0 | 0.356666667 | 0 | 0.4766667 |
| 45 | 9 | 9129127 | C>T | 0 | 0 | 0 | 0.6266667 |
| 46 | 9 | 9197657 | C>T | 0 | 0.49 | 0 | 0 |
| 47 | 9 | 9427854 | A>G | 0 | 0.333333333 | 0 | 0.4533333 |
| 48 | 9 | 9427969 | T>A | 0 | 0.313333333 | 0 | 0 |
| 49 | 9 | 9427980 | A>G | 0 | 0.313333333 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 9 | 9941439 | A>C | 0 | 0.493333333 | 0 | 0 |
| 3 | 9 | 10151375 | T>G | 0 | 0 | 0 | 0 |
| 4 | 9 | 10170580 | T>G | 0 | 0 | 0 | 0.52333333 |
| 5 | 9 | 10234084 | G>C | 0 | 0.303333333 | 0 | 0.37 |
| 6 | 9 | 10422177 | G>T | 0 | 0.351666667 | 0 | 0.55666667 |
| 7 | 9 | 10476294 | C>T | 0 | 0 | 0 | 0 |
| 8 | 9 | 10477579 | T>C | 0 | 0.5 | 0 | 0 |
| 9 | 9 | 10493534 | T>C | 0 | 0 | 0 | 0.98 |
| 10 | 9 | 10559927 | A>G | 0 | 0 | 0 | 0.39666667 |
| 11 | 9 | 13115696 | C>G | 0 | 0.49 | 0.445 | 0 |
| 12 | 9 | 13115741 | A>G | 0 | 0.333333333 | 0 | 0.64666667 |
| 13 | 9 | 13204347 | A>G | 0 | 0.591666667 | 0 | 0 |
| 14 | 9 | 14217430 | T>C | 0 | 0 | 0 | 0 |
| 15 | 9 | 14234417 | T>G | 0 | 0 | 0 | 0.77 |
| 16 | 9 | 14234630 | T>G | 0 | 0.513333333 | 0 | 0 |
| 17 | 9 | 14251510 | T>C | 0 | 0 | 0 | 0 |
| 18 | 9 | 14251570 | T>G | 0 | 0 | 0 | 0 |
| 19 | 9 | 14295362 | T>C | 0 | 0 | 0 | 0 |
| 20 | 9 | 14660116 | A>C | 0 | 0 | 0 | 0.61666667 |
| 21 | 9 | 14754832 | C>T | 0 | 0 | 0 | 0 |
| 22 | 9 | 14884039 | T>C | 0 | 0.455 | 0 | 0 |
| 23 | 9 | 15177955 | T>C | 0 | 0 | 0 | 0.37 |
| 24 | 9 | 15215424 | A>T | 0 | 0.303333333 | 0 | 0 |
| 25 | 9 | 15238742 | T>G | 0 | 0 | 0.351666667 | 0 |
| 26 | 9 | 15285591 | G>T | 0 | 0.416666667 | 0 | 0 |
| 27 | 9 | 15483940 | C>A | 0 | 0.533333333 | 0 | 0 |
| 28 | 9 | 15558068 | C>G | 0 | 0.46 | 0 | 0 |
| 29 | 9 | 15559137 | T>A | 0 | 0.455 | 0 | 0.41666667 |
| 30 | 9 | 15559415 | C>T | 0 | 0 | 0 | 0 |
| 31 | 9 | 15560329 | G>T | 0 | 0.303333333 | 0 | 0 |
| 32 | 9 | 15599059 | C>T | 0 | 0.356666667 | 0 | 0 |
| 33 | 9 | 15629508 | G>A | 0 | 0 | 0 | 0.41666667 |
| 34 | 9 | 15633832 | G>C | 0 | 0 | 0 | 0.31666667 |
| 35 | 9 | 15647340 | T>C | 0 | 0.416666667 | 0 | 0 |
| 36 | 9 | 15648794 | A>C | 0 | 0 | 0.416666667 | 0 |
| 37 | 9 | 15662717 | A>T | 0 | 0 | 0 | 0.43 |
| 38 | 9 | 15672141 | A>G | 0 | 0 | 0.303333333 | 0 |
| 39 | 9 | 15675384 | C>T | 0 | 0 | 0 | 0.5 |
| 40 | 9 | 15692805 | G>A | 0 | 0 | 0 | 0 |
| 41 | 9 | 15749466 | G>A | 0 | 0 | 0 | 0.62666667 |
| 42 | 9 | 15751956 | G>C | 0 | 0 | 0 | 0.41666667 |
| 43 | 9 | 15790372 | G>T | 0 | 0 | 0 | 0 |
| 44 | 9 | 15792756 | T>C | 0 | 0 | 0 | 0.71333333 |
| 45 | 9 | 15792982 | G>A | 0 | 0 | 0 | 0.68666667 |
| 46 | 9 | 15893148 | C>T | 0 | 0 | 0.333333333 | 0 |
| 47 | 9 | 15893815 | T>A | 0 | 0.356666667 | 0 | 0 |
| 48 | 9 | 15904042 | A>G | 0 | 0 | 0 | 0 |
| 49 | 9 | 15911569 | C>T | 0 | 0.333333333 | 0 | 0.34333333 |
| 50 | 9 | 15946232 | A>G | 0 | 0 | 0 | 0 |
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|---|----------|-----|---|-------------|-------------|------------|
| 9 | 15946357 | G>A | 0 | 0 | 0 | 0 |
| 9 | 16421980 | A>G | 0 | 0 | 0 | 0 |
| 9 | 16438904 | G>A | 0 | 0.351666667 | 0 | 0 |
| 9 | 16449255 | T>A | 0 | 0 | 0 | 0 |
| 9 | 16494381 | A>C | 0 | 0 | 0.37 | 0 |
| 9 | 16628247 | A>G | 0 | 0 | 0 | 0 |
| 9 | 16677468 | G>A | 0 | 0 | 0 | 0 |
| 9 | 16739482 | A>C | 0 | 0.356666667 | 0 | 0 |
| 9 | 16832846 | G>C | 0 | 0.378333333 | 0 | 0 |
| 9 | 16845943 | T>C | 0 | 0 | 0 | 0.51333333 |
| 9 | 17145107 | G>A | 0 | 0.445 | 0 | 0 |
| 9 | 17149045 | A>T | 0 | 0.316666667 | 0 | 0 |
| 9 | 17149141 | A>G | 0 | 0.583333333 | 0 | 0 |
| 9 | 17151037 | G>A | 0 | 0 | 0 | 0 |
| 9 | 17151038 | A>T | 0 | 0 | 0 | 0 |
| 9 | 17193327 | A>G | 0 | 0 | 0 | 0.43 |
| 9 | 17201365 | G>T | 0 | 0.313333333 | 0 | 0 |
| 9 | 17202325 | G>A | 0 | 0.58 | 0 | 0.37 |
| 9 | 17210387 | A>G | 0 | 0 | 0 | 0 |
| 9 | 17210589 | A>G | 0 | 0 | 0 | 0.70333333 |
| 9 | 17414991 | T>G | 0 | 0 | 0 | 0.55666667 |
| 9 | 17442499 | T>C | 0 | 0 | 0 | 0 |
| 9 | 18524739 | G>A | 0 | 0 | 0.313333333 | 0 |
| 9 | 18526196 | A>G | 0 | 0.333333333 | 0 | 0.47666667 |
| 9 | 18933820 | T>G | 0 | 0 | 0 | 0 |
| 9 | 19003191 | A>G | 0 | 0.463333333 | 0 | 0 |
| 9 | 19003360 | T>A | 0 | 0 | 0 | 0.38333333 |
| 9 | 19003644 | A>G | 0 | 0 | 0.303333333 | 0 |
| 9 | 19003767 | A>T | 0 | 0 | 0 | 0 |
| 9 | 19075694 | A>G | 0 | 0.466666667 | 0 | 0 |
| 9 | 19081801 | C>T | 0 | 0 | 0.391666667 | 0 |
| 9 | 19091081 | A>G | 0 | 0 | 0 | 0.40333333 |
| 9 | 19098777 | C>T | 0 | 0 | 0 | 0 |
| 9 | 19311316 | A>G | 0 | 0 | 0 | 0.53333333 |
| 9 | 19318248 | T>C | 0 | 0.476666667 | 0 | 0 |
| 9 | 19417260 | A>T | 0 | 0 | 0.361666667 | 0 |
| 9 | 19435915 | C>T | 0 | 0 | 0 | 0.40666667 |
| 9 | 19535399 | C>G | 0 | 0 | 0 | 0 |
| 9 | 19542474 | A>G | 0 | 0 | 0 | 0.39333333 |
| 9 | 19542488 | A>G | 0 | 0.303333333 | 0 | 0.44 |
| 9 | 19567372 | G>A | 0 | 0 | 0 | 0 |
| 9 | 19761972 | C>T | 0 | 0.455 | 0 | 0.31333333 |
| 9 | 19762690 | A>T | 0 | 0 | 0 | 0 |
| 9 | 20453308 | T>C | 0 | 0 | 0 | 0.34333333 |
| 9 | 20457435 | T>C | 0 | 0 | 0 | 0.30333333 |
| 9 | 20589847 | T>C | 0 | 0 | 0 | 0 |
| 9 | 20800496 | A>G | 0 | 0 | 0 | 0.30333333 |
| 9 | 20859131 | C>T | 0 | 0.43 | 0 | 0 |
| 9 | 21820213 | C>G | 0 | 0 | 0 | 0 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 9 | 21849832 | T>C | 0 | 0 | 0 | 0 |
| 3 | 9 | 21851711 | G>A | 0 | 0.666666667 | 0 | 0 |
| 4 | 9 | 26889153 | G>A | 0 | 0 | 0 | 0.37 |
| 5 | 9 | 26906706 | A>G | 0 | 0 | 0 | 0 |
| 6 | 9 | 26908354 | C>T | 0 | 0.37 | 0 | 0 |
| 7 | 9 | 26932024 | A>G | 0 | 0 | 0 | 0 |
| 8 | 9 | 26963686 | C>T | 0 | 0 | 0 | 0 |
| 9 | 9 | 27020084 | A>C | 0 | 0 | 0 | 0.37 |
| 10 | 9 | 27127318 | A>G | 0 | 0 | 0 | 0.4 |
| 11 | 9 | 27127319 | A>C | 0 | 0 | 0 | 0.4 |
| 12 | 9 | 27138989 | C>T | 0 | 0 | 0 | 0.38 |
| 13 | 9 | 27351103 | T>G | 0 | 0 | 0 | 0.7566667 |
| 14 | 9 | 27403682 | C>T | 0 | 0 | 0 | 0 |
| 15 | 9 | 27493377 | A>G | 0 | 0 | 0.303333333 | 0 |
| 16 | 9 | 27494771 | T>A | 0 | 0.376666667 | 0 | 0 |
| 17 | 9 | 27501156 | T>G | 0 | 0 | 0 | 0 |
| 18 | 9 | 27966502 | A>G | 0 | 0 | 0 | 0 |
| 19 | 9 | 28096036 | T>G | 0 | 0.333333333 | 0 | 0 |
| 20 | 9 | 28182042 | T>C | 0 | 0.58 | 0 | 0 |
| 21 | 9 | 28306792 | C>T | 0 | 0.391666667 | 0 | 0 |
| 22 | 9 | 28307887 | C>A | 0 | 0 | 0 | 0 |
| 23 | 9 | 28314748 | A>T | 0 | 0 | 0 | 0.4666667 |
| 24 | 9 | 28373731 | T>C | 0 | 0 | 0 | 0.5833333 |
| 25 | 9 | 28391955 | T>C | 0 | 0.356666667 | 0 | 0 |
| 26 | 9 | 28392116 | T>G | 0 | 0 | 0 | 0 |
| 27 | 9 | 28436591 | T>G | 0 | 0.346666667 | 0 | 0 |
| 28 | 9 | 28496596 | C>T | 0 | 0.351666667 | 0 | 0.4166667 |
| 29 | 9 | 28496636 | A>G | 0 | 0.416666667 | 0 | 0.4333333 |
| 30 | 9 | 28639161 | C>G | 0 | 0 | 0 | 0 |
| 31 | 9 | 28639764 | G>C | 0 | 0 | 0 | 0.5066667 |
| 32 | 9 | 28639886 | G>A | 0 | 0.521666667 | 0 | 0 |
| 33 | 9 | 28640246 | G>T | 0 | 0.396666667 | 0 | 0 |
| 34 | 9 | 32444102 | G>A | 0 | 0 | 0 | 0.3833333 |
| 35 | 9 | 32557753 | G>A | 0 | 0 | 0 | 0 |
| 36 | 9 | 33143061 | G>T | 0 | 0.476666667 | 0 | 0 |
| 37 | 9 | 33147951 | A>G | 0 | 0.476666667 | 0 | 0 |
| 38 | 9 | 33323527 | A>T | 0 | 0 | 0 | 0 |
| 39 | 9 | 33342045 | T>C | 0 | 0.513333333 | 0 | 0 |
| 40 | 9 | 33342046 | G>A | 0 | 0.513333333 | 0 | 0 |
| 41 | 9 | 33866350 | T>C | 0 | 0 | 0 | 0 |
| 42 | 9 | 33942071 | A>G | 0 | 0.361666667 | 0 | 0.45 |
| 43 | 9 | 33965973 | G>A | 0 | 0 | 0 | 0 |
| 44 | 9 | 33983100 | A>T | 0 | 0 | 0.308333333 | 0 |
| 45 | 9 | 34005059 | A>G | 0 | 0.49 | 0 | 0 |
| 46 | 9 | 34119908 | C>T | 0 | 0.513333333 | 0 | 0 |
| 47 | 9 | 34418838 | T>C | 0 | 0 | 0 | 0.74 |
| 48 | 9 | 34418839 | G>A | 0 | 0 | 0 | 0.4933333 |
| 49 | 9 | 34461196 | G>A | 0 | 0.333333333 | 0 | 0 |
| 50 | 9 | 34511214 | G>A | 0 | 0 | 0 | 0 |
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| 9 | 34521699 | G>A | 0 | 0 | 0 | 0 |
| 9 | 35066838 | T>C | 0 | 0 | 0 | 0 |
| 9 | 35199261 | G>C | 0 | 0 | 0 | 0 |
| 9 | 35319912 | A>C | 0 | 0.666666667 | 0 | 0 |
| 9 | 35379183 | A>G | 0 | 0.46 | 0 | 0 |
| 9 | 35402522 | C>G | 0 | 0.303333333 | 0 | 0 |
| 9 | 35736817 | C>A | 0 | 0 | 0 | 0 |
| 9 | 35793075 | G>A | 0 | 0 | 0 | 0 |
| 9 | 36069294 | C>T | 0 | 0.476666667 | 0 | 0 |
| 9 | 36267554 | G>A | 0 | 0 | 0.385 | 0 |
| 9 | 36267671 | T>C | 0 | 0 | 0.391666667 | 0.4766667 |
| 9 | 36581007 | A>G | 0 | 0 | 0 | 0.36 |
| 9 | 36600671 | C>T | 0 | 0 | 0 | 0 |
| 9 | 36636250 | T>C | 0 | 0 | 0 | 0.91 |
| 9 | 36643090 | A>G | 0 | 0 | 0 | 0 |
| 9 | 36864951 | G>T | 0 | 0 | 0 | 0 |
| 9 | 36877085 | A>G | 0 | 0.648333333 | 0 | 0 |
| 9 | 36890876 | T>C | 0 | 0.303333333 | 0 | 0 |
| 9 | 36975532 | G>A | 0 | 0 | 0 | 0 |
| 9 | 37132886 | G>A | 0 | 0.37 | 0 | 0.3133333 |
| 9 | 37268680 | C>G | 0 | 0 | 0 | 0 |
| 9 | 37279951 | G>A | 0 | 0.356666667 | 0 | 0 |
| 9 | 37316577 | G>C | 0 | 0.356666667 | 0 | 0 |
| 9 | 37461545 | C>T | 0 | 0 | 0 | 0 |
| 9 | 37726648 | C>T | 0 | 0 | 0 | 0.6066667 |
| 9 | 37766508 | A>G | 0 | 0 | 0 | 0.4166667 |
| 9 | 37900240 | A>G | 0 | 0 | 0.468333333 | 0 |
| 9 | 37932024 | G>A | 0 | 0 | 0.476666667 | 0 |
| 9 | 38045973 | T>C | 0 | 0.405 | 0 | 0.5866667 |
| 9 | 71587082 | A>T | 0 | 0.49 | 0 | 0 |
| 9 | 71653529 | A>G | 0 | 0 | 0 | 0 |
| 9 | 71662726 | C>T | 0 | 0.37 | 0 | 0 |
| 9 | 71954685 | C>A | 0 | 0 | 0 | 0 |
| 9 | 72106007 | C>A | 0 | 0 | 0 | 0.3566667 |
| 9 | 72154850 | T>C | 0 | 0 | 0 | 0 |
| 9 | 72154851 | G>A | 0 | 0 | 0 | 0 |
| 9 | 72166248 | A>T | 0 | 0 | 0 | 0 |
| 9 | 72190451 | T>C | 0 | 0 | 0 | 0 |
| 9 | 72212308 | A>T | 0 | 0.715 | 0 | 0.5 |
| 9 | 72516763 | C>T | 0 | 0 | 0 | 0.6666667 |
| 9 | 72662493 | T>C | 0 | 0 | 0 | 0.4033333 |
| 9 | 72783371 | A>G | 0 | 0.313333333 | 0 | 0 |
| 9 | 72795070 | C>G | 0 | 0 | 0 | 0 |
| 9 | 72825505 | G>T | 0 | 0 | 0 | 0.4766667 |
| 9 | 72827476 | G>A | 0 | 0.77 | 0 | 0.45 |
| 9 | 72969416 | T>C | 0 | 0 | 0 | 0.4933333 |
| 9 | 73244460 | T>C | 0 | 0.346666667 | 0 | 0 |
| 9 | 73372878 | A>G | 0 | 0 | 0 | 0.46 |
| 9 | 73460203 | T>C | 0 | 0.385 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 9 | 74309318 | T>C | 0 | 0 | 0.4 | 0 |
| 3 | 9 | 74576295 | A>G | 0 | 0 | 0 | 0.38 |
| 4 | 9 | 74772164 | G>C | 0 | 0.381666667 | 0 | 0.35333333 |
| 5 | 9 | 74818939 | C>G | 0 | 0 | 0 | 0.6166667 |
| 6 | 9 | 74829479 | A>G | 0 | 0.366666667 | 0 | 0.61333333 |
| 7 | 9 | 74834138 | C>G | 0 | 0.333333333 | 0.303333333 | 0 |
| 8 | 9 | 74837882 | T>C | 0 | 0.493333333 | 0 | 0 |
| 9 | 9 | 75156353 | G>C | 0 | 0 | 0.466666667 | 0.40333333 |
| 10 | 9 | 75159074 | T>C | 0 | 0.468333333 | 0 | 0 |
| 11 | 9 | 75168035 | A>G | 0 | 0.37 | 0 | 0 |
| 12 | 9 | 75209996 | A>G | 0 | 0 | 0 | 0 |
| 13 | 9 | 75326342 | C>T | 0 | 0.385 | 0 | 0 |
| 14 | 9 | 75329410 | C>A | 0 | 0.37 | 0 | 0.34333333 |
| 15 | 9 | 77212638 | A>G | 0 | 0 | 0 | 0 |
| 16 | 9 | 77281096 | A>G | 0 | 0.351666667 | 0 | 0 |
| 17 | 9 | 77367780 | A>G | 0 | 0.356666667 | 0.308333333 | 0 |
| 18 | 9 | 77387980 | C>T | 0 | 0 | 0 | 0 |
| 19 | 9 | 77453882 | C>T | 0 | 0 | 0 | 0 |
| 20 | 9 | 77619057 | T>C | 0 | 0.796666667 | 0 | 0 |
| 21 | 9 | 77677840 | T>C | 0 | 0 | 0 | 0 |
| 22 | 9 | 77678114 | C>A | 0 | 0 | 0 | 0 |
| 23 | 9 | 78549779 | C>G | 0 | 0.77 | 0 | 0 |
| 24 | 9 | 78578554 | C>T | 0 | 0.555 | 0 | 0.51333333 |
| 25 | 9 | 78723646 | T>C | 0 | 0 | 0 | 0.30333333 |
| 26 | 9 | 78876555 | T>C | 0 | 0 | 0 | 0.6066667 |
| 27 | 9 | 78949741 | T>C | 0 | 0.346666667 | 0 | 0 |
| 28 | 9 | 78949943 | A>G | 0 | 0.53 | 0 | 0 |
| 29 | 9 | 79092226 | G>A | 0 | 0 | 0 | 0 |
| 30 | 9 | 79273151 | G>A | 0 | 0.435 | 0 | 0 |
| 31 | 9 | 79347179 | T>C | 0 | 0.555 | 0 | 0 |
| 32 | 9 | 79428997 | A>T | 0 | 0.333333333 | 0 | 0 |
| 33 | 9 | 79443662 | C>T | 0 | 0.345 | 0 | 0 |
| 34 | 9 | 79457804 | T>C | 0 | 0.323333333 | 0 | 0 |
| 35 | 9 | 79473485 | A>G | 0 | 0 | 0 | 0.3966667 |
| 36 | 9 | 79868359 | C>T | 0 | 0.316666667 | 0 | 0 |
| 37 | 9 | 79878656 | A>T | 0 | 0.595 | 0 | 0 |
| 38 | 9 | 79879777 | T>C | 0 | 0.576666667 | 0 | 0.38333333 |
| 39 | 9 | 79879986 | C>T | 0 | 0.32 | 0 | 0.35 |
| 40 | 9 | 79914344 | A>G | 0 | 0.555 | 0 | 0 |
| 41 | 9 | 80008939 | G>C | 0 | 0.345 | 0 | 0 |
| 42 | 9 | 80053368 | C>G | 0 | 0 | 0 | 0.31333333 |
| 43 | 9 | 80166881 | T>C | 0 | 0 | 0 | 0 |
| 44 | 9 | 80240225 | A>G | 0 | 0.316666667 | 0 | 0.39333333 |
| 45 | 9 | 80529519 | G>A | 0 | 0.5 | 0 | 0 |
| 46 | 9 | 80582707 | T>C | 0 | 0.32 | 0 | 0 |
| 47 | 9 | 80623657 | T>C | 0 | 0 | 0 | 0.46 |
| 48 | 9 | 80623658 | T>C | 0 | 0 | 0 | 0.34333333 |
| 49 | 9 | 80642523 | C>T | 0 | 0 | 0 | 0.63333333 |
| 50 | 9 | 82266670 | T>C | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 9 | 84258378 | C>T | 0 | 0 | 0 | 0 |
| 3 | 9 | 84258379 | A>G | 0 | 0 | 0 | 0 |
| 4 | 9 | 84289823 | C>A | 0 | 0 | 0 | 0 |
| 5 | 9 | 86320332 | G>T | 0 | 0.385 | 0 | 0 |
| 6 | 9 | 86364338 | T>C | 0 | 0 | 0 | 0 |
| 7 | 9 | 86365941 | A>G | 0 | 0 | 0.533333333 | 0 |
| 8 | 9 | 86403036 | A>T | 0 | 0 | 0 | 0.46 |
| 9 | 9 | 86420785 | C>A | 0 | 0 | 0 | 0.37 |
| 10 | 9 | 86560701 | A>T | 0 | 0 | 0 | 0 |
| 11 | 9 | 86954353 | T>C | 0 | 0.455 | 0 | 0 |
| 12 | 9 | 87373558 | A>G | 0 | 0.416666667 | 0 | 0 |
| 13 | 9 | 88256885 | C>A | 0 | 0 | 0 | 0.7566667 |
| 14 | 9 | 88294603 | G>A | 0 | 0 | 0 | 0 |
| 15 | 9 | 88295251 | T>C | 0 | 0 | 0 | 0 |
| 16 | 9 | 88295252 | G>A | 0 | 0 | 0 | 0 |
| 17 | 9 | 88307468 | T>C | 0 | 0.376666667 | 0 | 0 |
| 18 | 9 | 88333992 | C>T | 0 | 0 | 0 | 0.4 |
| 19 | 9 | 88334126 | C>T | 0 | 0 | 0 | 0.5566667 |
| 20 | 9 | 88587208 | C>G | 0 | 0 | 0 | 0 |
| 21 | 9 | 88587210 | T>C | 0 | 0 | 0 | 0 |
| 22 | 9 | 88634171 | T>C | 0 | 0 | 0 | 0.5566667 |
| 23 | 9 | 88848831 | T>C | 0 | 0 | 0 | 0.3133333 |
| 24 | 9 | 89768191 | G>C | 0 | 0 | 0 | 0 |
| 25 | 9 | 91671625 | T>G | 0 | 0 | 0 | 0 |
| 26 | 9 | 91678309 | T>C | 0 | 0.43 | 0 | 0.4333333 |
| 27 | 9 | 91695869 | C>G | 0 | 0 | 0 | 0 |
| 28 | 9 | 91744077 | T>G | 0 | 0 | 0 | 0.4433333 |
| 29 | 9 | 91747119 | T>G | 0 | 0 | 0 | 0 |
| 30 | 9 | 93607406 | T>C | 0 | 0 | 0 | 0.49 |
| 31 | 9 | 93607421 | C>T | 0 | 0 | 0 | 0.3233333 |
| 32 | 9 | 94655567 | C>A | 0 | 0 | 0 | 0.36 |
| 33 | 9 | 94794897 | C>T | 0 | 0.588333333 | 0 | 0 |
| 34 | 9 | 94876837 | C>G | 0 | 0 | 0 | 0 |
| 35 | 9 | 95074978 | A>G | 0 | 0 | 0 | 0 |
| 36 | 9 | 95093116 | A>T | 0 | 0 | 0 | 0 |
| 37 | 9 | 95113576 | G>A | 0 | 0 | 0.385 | 0 |
| 38 | 9 | 95159351 | T>C | 0 | 0.435 | 0 | 0 |
| 39 | 9 | 95162696 | A>G | 0 | 0.513333333 | 0.405 | 0.3833333 |
| 40 | 9 | 95278571 | A>T | 0 | 0.445 | 0 | 0 |
| 41 | 9 | 95324690 | A>G | 0 | 0.416666667 | 0 | 0 |
| 42 | 9 | 95335518 | C>T | 0 | 0 | 0 | 0 |
| 43 | 9 | 95340413 | G>A | 0 | 0 | 0 | 0 |
| 44 | 9 | 95391788 | T>C | 0 | 0 | 0 | 0 |
| 45 | 9 | 95477543 | T>A | 0 | 0 | 0 | 0 |
| 46 | 9 | 95496599 | T>G | 0 | 0.313333333 | 0 | 0 |
| 47 | 9 | 95629370 | A>G | 0 | 0.445 | 0 | 0 |
| 48 | 9 | 95753619 | A>C | 0 | 0 | 0 | 0 |
| 49 | 9 | 95755994 | G>A | 0 | 0 | 0 | 0 |
| 50 | 9 | 95756568 | A>G | 0 | 0.455 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 9 | 95759894 | C>T | 0 | 0 | 0 | 0 |
| 3 | 9 | 95791528 | G>A | 0 | 0 | 0 | 0 |
| 4 | 9 | 95979467 | T>C | 0 | 0 | 0 | 0.5066667 |
| 5 | 9 | 96215872 | A>T | 0 | 0 | 0 | 0 |
| 6 | 9 | 96854848 | A>T | 0 | 0 | 0 | 0 |
| 7 | 9 | 97216688 | T>C | 0 | 0.303333333 | 0 | 0 |
| 8 | 9 | 97216689 | G>A | 0 | 0 | 0 | 0 |
| 9 | 9 | 97355015 | A>C | 0 | 0.448333333 | 0 | 0 |
| 10 | 9 | 97382980 | A>G | 0 | 0 | 0 | 0.4833333 |
| 11 | 9 | 97385547 | A>G | 0 | 0 | 0 | 0.86 |
| 12 | 9 | 97465592 | T>C | 0 | 0.356666667 | 0 | 0 |
| 13 | 9 | 97466794 | T>C | 0 | 0 | 0 | 0 |
| 14 | 9 | 97979549 | T>C | 0 | 0.416666667 | 0 | 0.38 |
| 15 | 9 | 97982139 | A>T | 0 | 0 | 0 | 0 |
| 16 | 9 | 98215615 | C>G | 0 | 0.396666667 | 0 | 0 |
| 17 | 9 | 98234131 | A>G | 0 | 0.37 | 0 | 0 |
| 18 | 9 | 99123068 | G>A | 0 | 0 | 0.416666667 | 0 |
| 19 | 9 | 99123290 | A>G | 0 | 0.356666667 | 0 | 0 |
| 20 | 9 | 99166524 | C>T | 0 | 0 | 0.416666667 | 0 |
| 21 | 9 | 99215699 | T>G | 0 | 0.486666667 | 0 | 0 |
| 22 | 9 | 1E+08 | T>A | 0 | 0 | 0 | 0.6166667 |
| 23 | 9 | 1E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
| 24 | 9 | 1E+08 | A>G | 0 | 0.613333333 | 0 | 0 |
| 25 | 9 | 1E+08 | A>G | 0 | 0.351666667 | 0 | 0.4166667 |
| 26 | 9 | 1E+08 | G>T | 0 | 0 | 0 | 0 |
| 27 | 9 | 1E+08 | G>T | 0 | 0 | 0 | 0 |
| 28 | 9 | 1E+08 | T>C | 0 | 0 | 0 | 0 |
| 29 | 9 | 1E+08 | A>T | 0 | 0.351666667 | 0 | 0 |
| 30 | 9 | 1E+08 | G>T | 0 | 0.333333333 | 0 | 0.6466667 |
| 31 | 9 | 1E+08 | G>A | 0 | 0 | 0 | 0.3233333 |
| 32 | 9 | 1E+08 | G>A | 0 | 0 | 0 | 0.36 |
| 33 | 9 | 1.01E+08 | A>C | 0 | 0.666666667 | 0 | 0 |
| 34 | 9 | 1.01E+08 | A>G | 0 | 0 | 0 | 0 |
| 35 | 9 | 1.01E+08 | A>G | 0 | 0 | 0 | 0.4166667 |
| 36 | 9 | 1.01E+08 | T>C | 0 | 0.378333333 | 0 | 0 |
| 37 | 9 | 1.01E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 38 | 9 | 1.01E+08 | C>T | 0 | 0 | 0 | 0 |
| 39 | 9 | 1.01E+08 | T>C | 0 | 0 | 0.391666667 | 0 |
| 40 | 9 | 1.02E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 9 | 1.02E+08 | C>T | 0 | 0.378333333 | 0 | 0 |
| 42 | 9 | 1.03E+08 | G>A | 0 | 0 | 0 | 0 |
| 43 | 9 | 1.03E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 44 | 9 | 1.03E+08 | G>A | 0 | 0 | 0.333333333 | 0 |
| 45 | 9 | 1.03E+08 | A>G | 0 | 0 | 0 | 0.3133333 |
| 46 | 9 | 1.04E+08 | A>C | 0 | 0 | 0.455 | 0 |
| 47 | 9 | 1.04E+08 | T>C | 0 | 0 | 0.606666667 | 0 |
| 48 | 9 | 1.04E+08 | A>T | 0 | 0 | 0 | 0 |
| 49 | 9 | 1.04E+08 | A>G | 0 | 0 | 0.445 | 0 |
| 50 | 9 | 1.05E+08 | C>T | 0 | 0.555 | 0 | 0 |
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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 9 | 1.05E+08 | T>G | 0 | 0.37 | 0 | 0 |
| 3 | 9 | 1.05E+08 | A>G | 0 | 0 | 0.5 | 0 |
| 4 | 9 | 1.05E+08 | G>T | 0 | 0 | 0.5 | 0 |
| 5 | 9 | 1.05E+08 | T>C | 0 | 0 | 0 | 0 |
| 6 | 9 | 1.08E+08 | G>C | 0 | 0 | 0 | 0.4433333 |
| 7 | 9 | 1.08E+08 | G>A | 0 | 0 | 0 | 0 |
| 8 | 9 | 1.08E+08 | C>T | 0 | 0.476666667 | 0 | 0 |
| 9 | 9 | 1.08E+08 | G>C | 0 | 0.455 | 0 | 0 |
| 10 | 9 | 1.08E+08 | G>C | 0 | 0.333333333 | 0 | 0 |
| 11 | 9 | 1.08E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 12 | 9 | 1.08E+08 | A>G | 0 | 0 | 0 | 0 |
| 13 | 9 | 1.1E+08 | G>C | 0 | 0 | 0 | 0 |
| 14 | 9 | 1.1E+08 | T>C | 0 | 0 | 0 | 0 |
| 15 | 9 | 1.12E+08 | T>G | 0 | 0 | 0 | 0 |
| 16 | 9 | 1.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 17 | 9 | 1.12E+08 | A>G | 0 | 0.595 | 0 | 0 |
| 18 | 9 | 1.12E+08 | T>C | 0 | 0.435 | 0 | 0 |
| 19 | 9 | 1.12E+08 | A>G | 0 | 0.613333333 | 0 | 0 |
| 20 | 9 | 1.13E+08 | G>A | 0 | 0 | 0 | 0 |
| 21 | 9 | 1.13E+08 | A>G | 0 | 0 | 0 | 0.6933333 |
| 22 | 9 | 1.13E+08 | A>G | 0 | 0 | 0 | 0 |
| 23 | 9 | 1.13E+08 | A>G | 0 | 0 | 0 | 0 |
| 24 | 9 | 1.13E+08 | G>C | 0 | 0.356666667 | 0 | 0 |
| 25 | 9 | 1.13E+08 | A>G | 0 | 0.333333333 | 0 | 0.37 |
| 26 | 9 | 1.13E+08 | A>G | 0 | 0 | 0.333333333 | 0.4 |
| 27 | 9 | 1.13E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 28 | 9 | 1.13E+08 | G>A | 0 | 0 | 0 | 0 |
| 29 | 9 | 1.13E+08 | T>C | 0 | 0 | 0.476666667 | 0 |
| 30 | 9 | 1.13E+08 | C>A | 0 | 0 | 0 | 0.5566667 |
| 31 | 9 | 1.13E+08 | G>A | 0 | 0 | 0.313333333 | 0 |
| 32 | 9 | 1.13E+08 | A>G | 0 | 0 | 0 | 0 |
| 33 | 9 | 1.13E+08 | G>A | 0 | 0 | 0 | 0 |
| 34 | 9 | 1.14E+08 | T>C | 0 | 0 | 0 | 0.3833333 |
| 35 | 9 | 1.14E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 36 | 9 | 1.14E+08 | T>C | 0 | 0.396666667 | 0 | 0 |
| 37 | 9 | 1.14E+08 | C>T | 0 | 0 | 0 | 0 |
| 38 | 9 | 1.15E+08 | A>G | 0 | 0.315 | 0 | 0 |
| 39 | 9 | 1.15E+08 | T>C | 0 | 0 | 0 | 0 |
| 40 | 9 | 1.15E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 9 | 1.15E+08 | G>A | 0 | 0.323333333 | 0 | 0 |
| 42 | 9 | 1.15E+08 | C>G | 0 | 0.521666667 | 0 | 0 |
| 43 | 9 | 1.15E+08 | C>T | 0 | 0 | 0 | 0 |
| 44 | 9 | 1.15E+08 | T>C | 0 | 0.323333333 | 0 | 0 |
| 45 | 9 | 1.15E+08 | C>T | 0 | 0 | 0 | 0 |
| 46 | 9 | 1.15E+08 | T>C | 0 | 0.381666667 | 0 | 0 |
| 47 | 9 | 1.16E+08 | C>G | 0 | 0.303333333 | 0 | 0 |
| 48 | 9 | 1.16E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 9 | 1.16E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 50 | 9 | 1.16E+08 | T>C | 0 | 0 | 0 | 0.3533333 |
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| 1 | | | | | | | |
| 2 | 9 | 1.16E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 3 | 9 | 1.16E+08 | T>C | 0 | 0 | 0.513333333 | 0 |
| 4 | 9 | 1.16E+08 | A>T | 0 | 0 | 0 | 0.38333333 |
| 5 | 9 | 1.17E+08 | C>G | 0 | 0.37 | 0 | 0 |
| 6 | 9 | 1.17E+08 | G>A | 0 | 0 | 0 | 0 |
| 7 | 9 | 1.17E+08 | C>A | 0 | 0 | 0 | 0 |
| 8 | 9 | 1.17E+08 | A>G | 0 | 0 | 0 | 0.6666667 |
| 9 | 9 | 1.17E+08 | T>G | 0 | 0 | 0 | 0 |
| 10 | 9 | 1.18E+08 | A>C | 0 | 0 | 0 | 0 |
| 11 | 9 | 1.18E+08 | G>A | 0 | 0.5 | 0 | 0 |
| 12 | 9 | 1.18E+08 | A>G | 0 | 0 | 0 | 0 |
| 13 | 9 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 14 | 9 | 1.19E+08 | G>T | 0 | 0.351666667 | 0 | 0 |
| 15 | 9 | 1.19E+08 | T>A | 0 | 0.695 | 0 | 0 |
| 16 | 9 | 1.19E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 17 | 9 | 1.19E+08 | T>A | 0 | 0.345 | 0 | 0 |
| 18 | 9 | 1.19E+08 | G>A | 0 | 0.316666667 | 0 | 0 |
| 19 | 9 | 1.19E+08 | T>C | 0 | 0 | 0 | 0.5666667 |
| 20 | 9 | 1.19E+08 | A>G | 0 | 0 | 0 | 0.4866667 |
| 21 | 9 | 1.19E+08 | C>T | 0 | 0 | 0 | 0 |
| 22 | 9 | 1.19E+08 | A>G | 0 | 0.575 | 0 | 0.54333333 |
| 23 | 9 | 1.19E+08 | T>C | 0 | 0.333333333 | 0 | 0.3866667 |
| 24 | 9 | 1.2E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 25 | 9 | 1.2E+08 | G>A | 0 | 0 | 0 | 0 |
| 26 | 9 | 1.2E+08 | T>C | 0 | 0.635 | 0 | 0 |
| 27 | 9 | 1.23E+08 | C>T | 0 | 0 | 0.333333333 | 0 |
| 28 | 9 | 1.23E+08 | G>A | 0 | 0 | 0.385 | 0 |
| 29 | 9 | 1.23E+08 | T>C | 0 | 0.555 | 0 | 0.73333333 |
| 30 | 9 | 1.24E+08 | C>T | 0 | 0 | 0 | 0 |
| 31 | 9 | 1.24E+08 | G>C | 0 | 0 | 0 | 0.44333333 |
| 32 | 9 | 1.24E+08 | T>C | 0 | 0.303333333 | 0 | 0 |
| 33 | 9 | 1.24E+08 | G>A | 0 | 0.303333333 | 0 | 0 |
| 34 | 9 | 1.24E+08 | C>T | 0 | 0.365 | 0 | 0 |
| 35 | 9 | 1.24E+08 | T>C | 0 | 0 | 0 | 0 |
| 36 | 9 | 1.24E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 9 | 1.24E+08 | C>G | 0 | 0 | 0 | 0.33333333 |
| 38 | 9 | 1.24E+08 | A>T | 0 | 0 | 0.351666667 | 0.4266667 |
| 39 | 9 | 1.24E+08 | A>G | 0 | 0.438333333 | 0 | 0 |
| 40 | 9 | 1.24E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 9 | 1.24E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 42 | 9 | 1.25E+08 | G>A | 0 | 0.396666667 | 0 | 0 |
| 43 | 9 | 1.25E+08 | G>A | 0 | 0.356666667 | 0 | 0 |
| 44 | 9 | 1.25E+08 | A>C | 0 | 0.455 | 0 | 0 |
| 45 | 9 | 1.25E+08 | A>G | 0 | 0 | 0.445 | 0 |
| 46 | 9 | 1.25E+08 | G>A | 0 | 0.455 | 0 | 0 |
| 47 | 9 | 1.25E+08 | C>T | 0 | 0.555 | 0 | 0.3166667 |
| 48 | 9 | 1.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 49 | 9 | 1.25E+08 | A>G | 0 | 0.613333333 | 0 | 0 |
| 50 | 9 | 1.26E+08 | G>A | 0 | 0 | 0 | 0.5366667 |
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| 1 | | | | | | | |
| 2 | 9 | 1.26E+08 | G>C | 0 | 0 | 0 | 0.39333333 |
| 3 | 9 | 1.26E+08 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 4 | 9 | 1.26E+08 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 5 | 9 | 1.26E+08 | G>A | 0 | 0 | 0 | 0 |
| 6 | 9 | 1.26E+08 | G>T | 0 | 0.3516666667 | 0 | 0 |
| 7 | 9 | 1.26E+08 | C>A | 0 | 0 | 0 | 0 |
| 8 | 9 | 1.26E+08 | C>T | 0 | 0.6066666667 | 0 | 0 |
| 9 | 9 | 1.26E+08 | T>C | 0 | 0 | 0 | 0 |
| 10 | 9 | 1.26E+08 | G>A | 0 | 0 | 0 | 0 |
| 11 | 9 | 1.26E+08 | A>C | 0 | 0.3783333333 | 0 | 0 |
| 12 | 9 | 1.27E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 13 | 9 | 1.27E+08 | C>T | 0 | 0.3033333333 | 0 | 0 |
| 14 | 9 | 1.27E+08 | T>C | 0 | 0.4166666667 | 0 | 0.91 |
| 15 | 9 | 1.28E+08 | A>T | 0 | 0.3333333333 | 0 | 0 |
| 16 | 9 | 1.28E+08 | T>C | 0 | 0 | 0 | 0.45 |
| 17 | 9 | 1.28E+08 | C>T | 0 | 0 | 0 | 0 |
| 18 | 9 | 1.28E+08 | C>T | 0 | 0 | 0 | 0 |
| 19 | 9 | 1.28E+08 | C>T | 0 | 0.435 | 0 | 0 |
| 20 | 9 | 1.28E+08 | A>C | 0 | 0.3333333333 | 0 | 0 |
| 21 | 9 | 1.28E+08 | A>G | 0 | 0.345 | 0 | 0 |
| 22 | 9 | 1.28E+08 | G>C | 0 | 0 | 0 | 0.55666667 |
| 23 | 9 | 1.28E+08 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 24 | 9 | 1.28E+08 | T>G | 0 | 0.4166666667 | 0 | 0 |
| 25 | 9 | 1.28E+08 | G>A | 0 | 0.5266666667 | 0 | 0 |
| 26 | 9 | 1.28E+08 | T>C | 0 | 0.3916666667 | 0 | 0 |
| 27 | 9 | 1.28E+08 | A>G | 0 | 0 | 0 | 0.36 |
| 28 | 9 | 1.28E+08 | G>T | 0 | 0 | 0 | 0.77 |
| 29 | 9 | 1.28E+08 | G>A | 0 | 0.3083333333 | 0 | 0 |
| 30 | 9 | 1.28E+08 | G>T | 0 | 0 | 0 | 0 |
| 31 | 9 | 1.28E+08 | G>A | 0 | 0 | 0 | 0 |
| 32 | 9 | 1.28E+08 | G>A | 0 | 0.8883333333 | 0 | 0 |
| 33 | 9 | 1.28E+08 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 34 | 9 | 1.29E+08 | T>C | 0 | 0 | 0.37 | 0.76333333 |
| 35 | 9 | 1.29E+08 | C>A | 0 | 0.3033333333 | 0.3566666667 | 0 |
| 36 | 9 | 1.29E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 37 | 9 | 1.29E+08 | C>T | 0 | 0 | 0 | 0 |
| 38 | 9 | 1.29E+08 | T>C | 0 | 0 | 0 | 0 |
| 39 | 9 | 1.3E+08 | T>C | 0 | 0.4766666667 | 0 | 0 |
| 40 | 9 | 1.3E+08 | A>G | 0 | 0.5 | 0 | 0.30333333 |
| 41 | 9 | 1.3E+08 | T>A | 0 | 0.4483333333 | 0 | 0 |
| 42 | 9 | 1.3E+08 | G>A | 0 | 0.4766666667 | 0 | 0 |
| 43 | 9 | 1.3E+08 | T>C | 0 | 0 | 0 | 0 |
| 44 | 9 | 1.3E+08 | T>C | 0 | 0 | 0 | 0 |
| 45 | 9 | 1.3E+08 | A>G | 0 | 0.3516666667 | 0 | 0 |
| 46 | 9 | 1.3E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 47 | 9 | 1.3E+08 | T>C | 0 | 0.3033333333 | 0 | 0 |
| 48 | 9 | 1.3E+08 | A>C | 0 | 0 | 0 | 0.35 |
| 49 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0 |
| 50 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 51 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 52 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 53 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 54 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 55 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 56 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 57 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 58 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 59 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |
| 60 | 9 | 1.3E+08 | C>T | 0 | 0 | 0 | 0.36 |

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| 1 | | | | | | | |
| 2 | 9 | 1.31E+08 | G>A | 0 | 0 | 0 | 0.51333333 |
| 3 | 9 | 1.31E+08 | T>G | 0 | 0 | 0 | 0 |
| 4 | 9 | 1.31E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 9 | 1.31E+08 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 6 | 9 | 1.31E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | 9 | 1.31E+08 | A>G | 0 | 0 | 0 | 0 |
| 8 | 9 | 1.31E+08 | A>G | 0 | 0 | 0 | 0.30333333 |
| 9 | 9 | 1.31E+08 | T>C | 0 | 0 | 0 | 0 |
| 10 | 9 | 1.31E+08 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 11 | 9 | 1.31E+08 | A>G | 0 | 0.5 | 0 | 0.50666667 |
| 12 | 9 | 1.31E+08 | T>C | 0 | 0 | 0 | 0.40666667 |
| 13 | 9 | 1.31E+08 | A>C | 0 | 0 | 0 | 0.41666667 |
| 14 | 9 | 1.31E+08 | T>C | 0 | 0 | 0 | 0.52 |
| 15 | 9 | 1.31E+08 | C>G | 0 | 0 | 0 | 0 |
| 16 | 9 | 1.31E+08 | G>C | 0 | 0 | 0 | 0 |
| 17 | 9 | 1.31E+08 | T>C | 0 | 0.4 | 0 | 0 |
| 18 | 9 | 1.31E+08 | G>A | 0 | 0 | 0 | 0.59666667 |
| 19 | 9 | 1.31E+08 | T>A | 0 | 0.5133333333 | 0 | 0 |
| 20 | 9 | 1.31E+08 | G>A | 0 | 0 | 0 | 0.35333333 |
| 21 | 9 | 1.31E+08 | G>A | 0 | 0.3516666667 | 0 | 0 |
| 22 | 9 | 1.31E+08 | T>C | 0 | 0 | 0 | 0.35 |
| 23 | 9 | 1.31E+08 | G>A | 0 | 0 | 0 | 0.54333333 |
| 24 | 9 | 1.31E+08 | T>A | 0 | 0.4166666667 | 0 | 0 |
| 25 | 9 | 1.32E+08 | A>G | 0 | 0 | 0 | 0 |
| 26 | 9 | 1.32E+08 | T>C | 0 | 0.3566666667 | 0 | 0.53 |
| 27 | 9 | 1.32E+08 | A>T | 0 | 0 | 0 | 0.81 |
| 28 | 9 | 1.32E+08 | T>C | 0 | 0 | 0 | 0 |
| 29 | 9 | 1.32E+08 | T>A | 0 | 0 | 0 | 0 |
| 30 | 9 | 1.32E+08 | T>C | 0 | 0.49 | 0 | 0.36 |
| 31 | 9 | 1.32E+08 | A>T | 0 | 0 | 0 | 0.64 |
| 32 | 9 | 1.32E+08 | A>G | 0 | 0.6066666667 | 0 | 0.39333333 |
| 33 | 9 | 1.33E+08 | A>G | 0 | 0.4866666667 | 0 | 0 |
| 34 | 9 | 1.33E+08 | T>C | 0 | 0 | 0 | 0.57333333 |
| 35 | 9 | 1.33E+08 | T>C | 0 | 0 | 0 | 0.47666667 |
| 36 | 9 | 1.33E+08 | T>G | 0 | 0 | 0 | 0 |
| 37 | 9 | 1.33E+08 | A>G | 0 | 0.3333333333 | 0 | 0.44 |
| 38 | 9 | 1.33E+08 | A>G | 0 | 0 | 0 | 0.49333333 |
| 39 | 9 | 1.33E+08 | A>G | 0 | 0 | 0 | 0.38 |
| 40 | 9 | 1.33E+08 | A>G | 0 | 0.6866666667 | 0 | 0 |
| 41 | 9 | 1.33E+08 | A>G | 0 | 0 | 0 | 0.52 |
| 42 | 9 | 1.34E+08 | C>T | 0 | 0 | 0 | 0 |
| 43 | 9 | 1.34E+08 | A>C | 0 | 0 | 0 | 0.46 |
| 44 | 9 | 1.34E+08 | C>T | 0 | 0.3966666667 | 0 | 0 |
| 45 | 9 | 1.34E+08 | T>C | 0 | 0 | 0.32 | 0.59666667 |
| 46 | 9 | 1.34E+08 | T>C | 0 | 0 | 0 | 0.38333333 |
| 47 | 9 | 1.34E+08 | C>T | 0 | 0.4166666667 | 0 | 0 |
| 48 | 9 | 1.34E+08 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 49 | 9 | 1.34E+08 | T>A | 0 | 0.43 | 0 | 0.36 |
| 50 | 9 | 1.34E+08 | G>A | 0 | 0.6666666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 9 | 1.34E+08 | T>C | 0 | 0 | 0 | 0.46 |
| 3 | 9 | 1.34E+08 | G>A | 0 | 0.391666667 | 0 | 0 |
| 4 | 9 | 1.34E+08 | T>C | 0 | 0.323333333 | 0 | 0.31 |
| 5 | 9 | 1.34E+08 | A>G | 0 | 0.555 | 0 | 0.4166667 |
| 6 | 9 | 1.34E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | 9 | 1.34E+08 | C>A | 0 | 0 | 0 | 0 |
| 8 | 9 | 1.35E+08 | A>T | 0 | 0 | 0 | 0 |
| 9 | 9 | 1.35E+08 | G>C | 0 | 0.333333333 | 0 | 0 |
| 10 | 9 | 1.35E+08 | A>T | 0 | 0 | 0 | 0 |
| 11 | 9 | 1.35E+08 | G>A | 0 | 0 | 0.37 | 0 |
| 12 | 9 | 1.35E+08 | G>A | 0 | 0 | 0 | 0 |
| 13 | 9 | 1.35E+08 | G>A | 0 | 0.583333333 | 0 | 0 |
| 14 | 9 | 1.35E+08 | T>G | 0 | 0 | 0 | 0.57 |
| 15 | 9 | 1.36E+08 | G>A | 0 | 0 | 0 | 0 |
| 16 | 9 | 1.36E+08 | G>A | 0 | 0 | 0 | 0 |
| 17 | 9 | 1.36E+08 | G>A | 0 | 0 | 0 | 0 |
| 18 | 9 | 1.36E+08 | G>A | 0 | 0.53 | 0 | 0 |
| 19 | 9 | 1.36E+08 | C>T | 0 | 0 | 0 | 0 |
| 20 | 9 | 1.36E+08 | G>A | 0 | 0.5 | 0 | 0 |
| 21 | 9 | 1.37E+08 | C>G | 0 | 0 | 0 | 0 |
| 22 | 9 | 1.37E+08 | C>A | 0 | 0.555 | 0 | 0 |
| 23 | 9 | 1.38E+08 | A>G | 0 | 0.625 | 0 | 0 |
| 24 | 9 | 1.39E+08 | T>C | 0 | 0 | 0 | 0.3166667 |
| 25 | 9 | 1.39E+08 | T>G | 0 | 0.303333333 | 0 | 0 |
| 26 | 9 | 1.39E+08 | G>T | 0 | 0.351666667 | 0 | 0 |
| 27 | 9 | 1.4E+08 | G>T | 0 | 0 | 0 | 0 |
| 28 | 9 | 1.4E+08 | G>A | 0 | 0.37 | 0 | 0.3266667 |
| 29 | 9 | 1.4E+08 | T>C | 0 | 0 | 0 | 0 |
| 30 | 9 | 1.4E+08 | G>A | 0 | 0 | 0 | 0.5366667 |
| 31 | 9 | 1.4E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 32 | 9 | 1.41E+08 | T>C | 0 | 0 | 0 | 0.3566667 |
| 33 | 9 | 1.41E+08 | G>T | 0 | 0.455 | 0 | 0.3433333 |
| 34 | 9 | 1.41E+08 | G>T | 0 | 0.391666667 | 0.333333333 | 0 |
| 35 | 10 | 509195 | A>G | 0 | 0 | 0 | 0.5133333 |
| 36 | 10 | 859879 | C>T | 0 | 0 | 0 | 0 |
| 37 | 10 | 878235 | A>G | 0 | 0 | 0 | 0.36 |
| 38 | 10 | 1028300 | C>G | 0 | 0.308333333 | 0 | 0 |
| 39 | 10 | 1263042 | G>T | 0 | 0 | 0 | 0 |
| 40 | 10 | 1273349 | G>C | 0 | 0 | 0 | 0 |
| 41 | 10 | 1345840 | T>A | 0 | 0 | 0 | 0.5 |
| 42 | 10 | 1437342 | T>C | 0 | 0.666666667 | 0 | 0.6666667 |
| 43 | 10 | 1727402 | G>A | 0 | 0.416666667 | 0 | 0.8333333 |
| 44 | 10 | 3140029 | A>T | 0 | 0 | 0 | 0.9533333 |
| 45 | 10 | 3200673 | T>C | 0 | 0 | 0 | 0.5266667 |
| 46 | 10 | 5695758 | C>T | 0 | 0 | 0 | 0 |
| 47 | 10 | 5918060 | A>T | 0 | 0 | 0 | 0.3033333 |
| 48 | 10 | 5940546 | A>G | 0 | 0 | 0 | 0 |
| 49 | 10 | 6133252 | T>C | 0 | 0.435 | 0 | 0.43 |
| 50 | 10 | 6268869 | C>T | 0 | 0 | 0 | 0.37 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 10 | 6477613 | G>A | 0 | 0.513333333 | 0 | 0 |
| 3 | 10 | 6490559 | C>T | 0 | 0 | 0 | 0 |
| 4 | 10 | 7332688 | G>A | 0 | 0.555 | 0 | 0 |
| 5 | 10 | 7341587 | G>A | 0 | 0 | 0 | 0 |
| 6 | 10 | 7394712 | G>A | 0 | 0.4 | 0 | 0 |
| 7 | 10 | 7419063 | A>G | 0 | 0 | 0 | 0 |
| 8 | 10 | 7425962 | T>C | 0 | 0.378333333 | 0 | 0 |
| 9 | 10 | 7437087 | T>C | 0 | 0.391666667 | 0 | 0.3033333 |
| 10 | 10 | 7609547 | C>T | 0 | 0 | 0 | 0 |
| 11 | 10 | 7672357 | T>C | 0 | 0.606666667 | 0 | 0.7133333 |
| 12 | 10 | 7695434 | C>G | 0 | 0.356666667 | 0.416666667 | 0 |
| 13 | 10 | 7935058 | T>C | 0 | 0 | 0 | 0.4 |
| 14 | 10 | 7940310 | C>G | 0 | 0.583333333 | 0.488333333 | 0 |
| 15 | 10 | 7940338 | C>T | 0 | 0 | 0 | 0 |
| 16 | 10 | 7988442 | A>T | 0 | 0.346666667 | 0 | 0 |
| 17 | 10 | 11169928 | A>G | 0 | 0 | 0 | 0.4766667 |
| 18 | 10 | 11886841 | A>G | 0 | 0.405 | 0 | 0.3133333 |
| 19 | 10 | 11970178 | C>T | 0 | 0.351666667 | 0 | 0.77 |
| 20 | 10 | 12008675 | A>T | 0 | 0 | 0 | 0 |
| 21 | 10 | 12014600 | T>C | 0 | 0.333333333 | 0 | 0.4433333 |
| 22 | 10 | 12016741 | C>T | 0 | 0 | 0 | 0.74 |
| 23 | 10 | 12057609 | A>G | 0 | 0.4 | 0 | 0 |
| 24 | 10 | 12158055 | A>G | 0 | 0 | 0 | 0.6666667 |
| 25 | 10 | 12164435 | A>G | 0 | 0 | 0.316666667 | 0 |
| 26 | 10 | 12183103 | C>T | 0 | 0.455 | 0 | 0 |
| 27 | 10 | 12185531 | T>C | 0 | 0.428333333 | 0 | 0 |
| 28 | 10 | 12232145 | G>C | 0 | 0.416666667 | 0 | 0 |
| 29 | 10 | 12254018 | T>C | 0 | 0 | 0 | 0.8333333 |
| 30 | 10 | 12276394 | C>T | 0 | 0.635 | 0 | 0 |
| 31 | 10 | 12424780 | C>T | 0 | 0.431666667 | 0 | 0 |
| 32 | 10 | 12479264 | T>C | 0 | 0.505 | 0 | 0 |
| 33 | 10 | 12565992 | A>G | 0 | 0 | 0 | 0 |
| 34 | 10 | 12612416 | A>G | 0 | 0 | 0 | 0.5566667 |
| 35 | 10 | 12798691 | C>T | 0 | 0.391666667 | 0 | 0.3533333 |
| 36 | 10 | 12847637 | A>G | 0 | 0.346666667 | 0 | 0.8833333 |
| 37 | 10 | 12850748 | A>G | 0 | 0.455 | 0 | 0 |
| 38 | 10 | 12869961 | C>G | 0 | 0 | 0 | 0.4533333 |
| 39 | 10 | 12985655 | G>T | 0 | 0.606666667 | 0 | 0 |
| 40 | 10 | 13009924 | G>A | 0 | 0.441666667 | 0 | 0 |
| 41 | 10 | 13272822 | C>T | 0 | 0.333333333 | 0 | 0 |
| 42 | 10 | 13328570 | T>A | 0 | 0 | 0 | 0 |
| 43 | 10 | 13335580 | A>G | 0 | 0.46 | 0 | 0 |
| 44 | 10 | 13367695 | A>G | 0 | 0.455 | 0 | 0 |
| 45 | 10 | 13503643 | A>G | 0 | 0.37 | 0 | 0.8533333 |
| 46 | 10 | 13729014 | G>A | 0 | 0.476666667 | 0 | 0 |
| 47 | 10 | 13756331 | A>G | 0 | 0.333333333 | 0 | 0 |
| 48 | 10 | 13784106 | C>T | 0 | 0 | 0 | 0 |
| 49 | 10 | 13784108 | T>A | 0 | 0 | 0 | 0 |
| 50 | 10 | 13915656 | T>C | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 10 | 13915657 | G>C | 0 | 0 | 0 | 0 |
| 3 | 10 | 14099846 | A>G | 0 | 0 | 0 | 0.3866667 |
| 4 | 10 | 14252981 | T>C | 0 | 0.506666667 | 0 | 0 |
| 5 | 10 | 14307060 | C>T | 0 | 0 | 0 | 0.4766667 |
| 6 | 10 | 14317855 | C>T | 0 | 0 | 0 | 0 |
| 7 | 10 | 14692464 | A>T | 0 | 0.625 | 0 | 0 |
| 8 | 10 | 14873828 | T>C | 0 | 0.625 | 0 | 0 |
| 9 | 10 | 14885614 | A>C | 0 | 0 | 0 | 0 |
| 10 | 10 | 14907899 | C>T | 0 | 0.445 | 0 | 0 |
| 11 | 10 | 15101633 | C>T | 0 | 0 | 0 | 0 |
| 12 | 10 | 15119693 | A>G | 0 | 0 | 0 | 0.49 |
| 13 | 10 | 15269434 | G>T | 0 | 0 | 0 | 0 |
| 14 | 10 | 15315297 | C>T | 0 | 0 | 0 | 0 |
| 15 | 10 | 15315799 | C>T | 0 | 0 | 0 | 0 |
| 16 | 10 | 15316052 | A>G | 0 | 0.513333333 | 0 | 0 |
| 17 | 10 | 15369599 | G>A | 0 | 0 | 0 | 0 |
| 18 | 10 | 15370397 | G>A | 0 | 0 | 0 | 0.4766667 |
| 19 | 10 | 15408963 | T>C | 0 | 0.351666667 | 0 | 0 |
| 20 | 10 | 15567461 | A>G | 0 | 0.388333333 | 0 | 0 |
| 21 | 10 | 15570186 | T>C | 0 | 0.476666667 | 0 | 0 |
| 22 | 10 | 15655056 | A>T | 0 | 0.445 | 0 | 0 |
| 23 | 10 | 16504237 | G>A | 0 | 0.356666667 | 0 | 0 |
| 24 | 10 | 16907173 | A>T | 0 | 0.333333333 | 0 | 0.3933333 |
| 25 | 10 | 16926093 | T>C | 0 | 0.49 | 0 | 0 |
| 26 | 10 | 16928634 | G>A | 0 | 0 | 0 | 0 |
| 27 | 10 | 17022419 | G>A | 0 | 0.476666667 | 0 | 0 |
| 28 | 10 | 17099931 | T>C | 0 | 0 | 0 | 0 |
| 29 | 10 | 17152669 | A>G | 0 | 0.466666667 | 0 | 0 |
| 30 | 10 | 17206903 | G>T | 0 | 0 | 0 | 0.5333333 |
| 31 | 10 | 17215938 | A>G | 0 | 0 | 0 | 0 |
| 32 | 10 | 17375544 | G>T | 0 | 0.416666667 | 0 | 0 |
| 33 | 10 | 17442456 | A>G | 0 | 0 | 0 | 0 |
| 34 | 10 | 17442467 | T>G | 0 | 0 | 0 | 0 |
| 35 | 10 | 17460721 | A>G | 0 | 0 | 0 | 0.37 |
| 36 | 10 | 17460729 | T>C | 0 | 0 | 0 | 0 |
| 37 | 10 | 17462337 | A>G | 0 | 0.533333333 | 0 | 0 |
| 38 | 10 | 17481538 | G>C | 0 | 0.388333333 | 0 | 0.37 |
| 39 | 10 | 18271858 | G>A | 0 | 0 | 0 | 0 |
| 40 | 10 | 18540409 | C>T | 0 | 0.431666667 | 0 | 0 |
| 41 | 10 | 18572407 | C>T | 0 | 0 | 0 | 0.5333333 |
| 42 | 10 | 18613709 | C>T | 0 | 0.333333333 | 0 | 0 |
| 43 | 10 | 18659448 | C>T | 0 | 0 | 0 | 0 |
| 44 | 10 | 18694732 | T>C | 0 | 0 | 0 | 0.3433333 |
| 45 | 10 | 18706557 | G>A | 0 | 0 | 0 | 0 |
| 46 | 10 | 18894004 | T>C | 0 | 0.5 | 0 | 0 |
| 47 | 10 | 20175040 | A>T | 0 | 0.606666667 | 0 | 0 |
| 48 | 10 | 20356364 | A>C | 0 | 0.376666667 | 0 | 0 |
| 49 | 10 | 20532740 | T>C | 0 | 0.431666667 | 0 | 0.43 |
| 50 | 10 | 20547152 | A>G | 0 | 0.346666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------|-----------|
| 1 | | | | | | | |
| 2 | 10 | 21163911 | T>A | 0 | 0 | 0 | 0 |
| 3 | 10 | 21163913 | T>C | 0 | 0 | 0 | 0 |
| 4 | 10 | 21830416 | A>G | 0 | 0.316666667 | 0 | 0 |
| 5 | 10 | 21969388 | T>C | 0 | 0 | 0 | 0 |
| 6 | 10 | 21981081 | T>C | 0 | 0.351666667 | 0 | 0 |
| 7 | 10 | 22007693 | G>C | 0 | 0.346666667 | 0 | 0 |
| 8 | 10 | 22070940 | G>A | 0 | 0 | 0 | 0 |
| 9 | 10 | 22071248 | A>C | 0 | 0.391666667 | 0 | 0 |
| 10 | 10 | 22071938 | T>C | 0 | 0 | 0 | 0.63 |
| 11 | 10 | 22127873 | A>T | 0 | 0 | 0 | 0 |
| 12 | 10 | 22150981 | A>G | 0 | 0.416666667 | 0 | 0 |
| 13 | 10 | 22159454 | A>G | 0 | 0.455 | 0 | 0.4433333 |
| 14 | 10 | 22615363 | T>C | 0 | 0 | 0 | 0 |
| 15 | 10 | 22694003 | G>A | 0 | 0 | 0.365 | 0.4166667 |
| 16 | 10 | 22694099 | A>T | 0 | 0.37 | 0 | 0 |
| 17 | 10 | 22925213 | T>C | 0 | 0 | 0 | 0.3166667 |
| 18 | 10 | 22948350 | C>T | 0 | 0 | 0 | 0.46 |
| 19 | 10 | 22949149 | T>C | 0 | 0.555 | 0 | 0 |
| 20 | 10 | 23285506 | T>A | 0 | 0 | 0 | 0.6666667 |
| 21 | 10 | 24515351 | C>T | 0 | 0 | 0 | 0 |
| 22 | 10 | 24523344 | A>G | 0 | 0 | 0 | 0.5566667 |
| 23 | 10 | 24576090 | T>C | 0 | 0 | 0 | 0.53 |
| 24 | 10 | 24677319 | G>C | 0 | 0 | 0 | 0.7033333 |
| 25 | 10 | 24685168 | T>A | 0 | 0 | 0 | 0 |
| 26 | 10 | 24776374 | G>A | 0 | 0.555 | 0 | 0 |
| 27 | 10 | 24802123 | G>A | 0 | 0.666666667 | 0 | 0 |
| 28 | 10 | 24879314 | A>G | 0 | 0 | 0 | 0 |
| 29 | 10 | 24879336 | T>C | 0 | 0 | 0 | 0 |
| 30 | 10 | 24942971 | C>T | 0 | 0 | 0 | 0 |
| 31 | 10 | 24943897 | T>C | 0 | 0 | 0.32 | 0.6666667 |
| 32 | 10 | 24943940 | A>C | 0 | 0.356666667 | 0 | 0.4533333 |
| 33 | 10 | 24952572 | T>C | 0 | 0.513333333 | 0 | 0.36 |
| 34 | 10 | 24972958 | G>A | 0 | 0.416666667 | 0 | 0 |
| 35 | 10 | 25004736 | G>A | 0 | 0.316666667 | 0 | 0 |
| 36 | 10 | 25174545 | A>G | 0 | 0.37 | 0 | 0 |
| 37 | 10 | 25475124 | T>C | 0 | 0.333333333 | 0 | 0 |
| 38 | 10 | 25541332 | C>T | 0 | 0 | 0 | 0.37 |
| 39 | 10 | 25562769 | C>T | 0 | 0.49 | 0 | 0 |
| 40 | 10 | 25761405 | A>G | 0 | 0.588333333 | 0 | 0 |
| 41 | 10 | 25768623 | T>C | 0 | 0.5 | 0 | 0 |
| 42 | 10 | 25834228 | C>T | 0 | 0.32 | 0 | 0 |
| 43 | 10 | 26280554 | C>T | 0 | 0 | 0 | 0 |
| 44 | 10 | 26338868 | A>G | 0 | 0 | 0 | 0 |
| 45 | 10 | 26388229 | C>G | 0 | 0 | 0 | 0 |
| 46 | 10 | 26390154 | A>C | 0 | 0 | 0 | 0.3933333 |
| 47 | 10 | 26391481 | A>G | 0 | 0 | 0 | 0.52 |
| 48 | 10 | 26391504 | C>T | 0 | 0 | 0 | 0.4266667 |
| 49 | 10 | 26424700 | G>C | 0 | 0 | 0 | 0 |
| 50 | 10 | 26477376 | A>G | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 10 | 26481857 | A>T | 0 | 0 | 0 | 0 |
| 3 | 10 | 26778705 | A>G | 0 | 0 | 0.555 | 0 |
| 4 | 10 | 26805220 | C>A | 0 | 0.5333333333 | 0 | 0 |
| 5 | 10 | 26992821 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 6 | 10 | 27005430 | T>G | 0 | 0 | 0 | 0.58 |
| 7 | 10 | 27007428 | A>G | 0 | 0 | 0 | 0.55666667 |
| 8 | 10 | 27039273 | G>A | 0 | 0 | 0 | 0 |
| 9 | 10 | 27075309 | T>A | 0 | 0 | 0 | 0.46 |
| 10 | 10 | 27132270 | A>C | 0 | 0.43 | 0 | 0 |
| 11 | 10 | 27134476 | A>G | 0 | 0 | 0 | 0.31333333 |
| 12 | 10 | 27301677 | G>A | 0 | 0 | 0 | 0 |
| 13 | 10 | 27309644 | A>G | 0 | 0 | 0 | 0.57333333 |
| 14 | 10 | 27345517 | A>G | 0 | 0 | 0.37 | 0 |
| 15 | 10 | 27429216 | A>G | 0 | 0 | 0 | 0 |
| 16 | 10 | 27437310 | C>T | 0 | 0 | 0 | 0.37 |
| 17 | 10 | 27500402 | G>A | 0 | 0.6066666667 | 0 | 0 |
| 18 | 10 | 27521448 | A>G | 0 | 0.4 | 0 | 0.44333333 |
| 19 | 10 | 27525567 | T>C | 0 | 0 | 0 | 0 |
| 20 | 10 | 27690858 | C>T | 0 | 0 | 0 | 0 |
| 21 | 10 | 28120718 | T>C | 0 | 0 | 0 | 0 |
| 22 | 10 | 28134657 | C>T | 0 | 0.4166666667 | 0 | 0 |
| 23 | 10 | 28137250 | G>A | 0 | 0.625 | 0 | 0.35 |
| 24 | 10 | 28137304 | G>A | 0 | 0 | 0 | 0.45333333 |
| 25 | 10 | 28160606 | A>G | 0 | 0 | 0 | 0.58666667 |
| 26 | 10 | 28194740 | T>C | 0 | 0.49 | 0 | 0 |
| 27 | 10 | 28194845 | G>A | 0 | 0 | 0 | 0 |
| 28 | 10 | 28223127 | A>C | 0 | 0.4166666667 | 0 | 0 |
| 29 | 10 | 28343888 | A>G | 0 | 0.3966666667 | 0 | 0 |
| 30 | 10 | 28472480 | A>G | 0 | 0 | 0 | 0 |
| 31 | 10 | 28483003 | A>G | 0 | 0 | 0 | 0 |
| 32 | 10 | 28500181 | C>T | 0 | 0.6066666667 | 0 | 0 |
| 33 | 10 | 28522408 | A>G | 0 | 0 | 0 | 0 |
| 34 | 10 | 28893398 | T>C | 0 | 0.3416666667 | 0 | 0 |
| 35 | 10 | 29590412 | G>A | 0 | 0.4166666667 | 0 | 0 |
| 36 | 10 | 29946765 | C>T | 0 | 0.6066666667 | 0 | 0 |
| 37 | 10 | 29988299 | T>C | 0 | 0 | 0 | 0 |
| 38 | 10 | 30009989 | T>C | 0 | 0 | 0 | 0.33333333 |
| 39 | 10 | 30730303 | T>C | 0 | 0.5216666667 | 0 | 0.31333333 |
| 40 | 10 | 30748259 | T>G | 0 | 0 | 0 | 0 |
| 41 | 10 | 31246935 | A>G | 0 | 0 | 0 | 0 |
| 42 | 10 | 31315477 | T>C | 0 | 0 | 0 | 0.32333333 |
| 43 | 10 | 31729704 | A>G | 0 | 0.53 | 0 | 0 |
| 44 | 10 | 31736738 | A>T | 0 | 0 | 0 | 0.39666667 |
| 45 | 10 | 32154631 | A>G | 0 | 0.4766666667 | 0 | 0 |
| 46 | 10 | 32158299 | C>T | 0 | 0.3166666667 | 0 | 0 |
| 47 | 10 | 32329688 | A>G | 0 | 0 | 0 | 0.8 |
| 48 | 10 | 32589550 | T>C | 0 | 0 | 0 | 0 |
| 49 | 10 | 32591346 | C>T | 0 | 0.4766666667 | 0 | 0 |
| 50 | 10 | 32593585 | T>C | 0 | 0 | 0.3516666667 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 10 | 32634943 | G>A | 0 | 0.333333333 | 0 | 0 |
| 3 | 10 | 32741589 | C>T | 0 | 0 | 0 | 0.37 |
| 4 | 10 | 32750776 | C>T | 0 | 0.396666667 | 0 | 0 |
| 5 | 10 | 32874247 | C>T | 0 | 0.486666667 | 0 | 0 |
| 6 | 10 | 32875314 | T>C | 0 | 0.396666667 | 0 | 0.5566667 |
| 7 | 10 | 32875315 | T>C | 0 | 0.361666667 | 0 | 0.5566667 |
| 8 | 10 | 32875697 | C>T | 0 | 0.333333333 | 0 | 0.3133333 |
| 9 | 10 | 32885541 | C>T | 0 | 0.416666667 | 0 | 0 |
| 10 | 10 | 32885927 | C>T | 0 | 0 | 0.351666667 | 0 |
| 11 | 10 | 32900991 | T>C | 0 | 0 | 0 | 0.52 |
| 12 | 10 | 32902611 | A>T | 0 | 0.378333333 | 0 | 0 |
| 13 | 10 | 32926534 | G>A | 0 | 0 | 0 | 0.6466667 |
| 14 | 10 | 32930113 | T>C | 0 | 0.32 | 0 | 0 |
| 15 | 10 | 32988392 | C>T | 0 | 0.438333333 | 0 | 0 |
| 16 | 10 | 32989079 | T>A | 0 | 0 | 0 | 0.3233333 |
| 17 | 10 | 32991446 | C>T | 0 | 0 | 0 | 0.4633333 |
| 18 | 10 | 32997667 | G>A | 0 | 0 | 0.351666667 | 0.6833333 |
| 19 | 10 | 33049003 | C>T | 0 | 0.666666667 | 0 | 0 |
| 20 | 10 | 33081494 | T>C | 0 | 0 | 0 | 0 |
| 21 | 10 | 33125994 | T>A | 0 | 0 | 0 | 0 |
| 22 | 10 | 33148914 | G>A | 0 | 0.391666667 | 0 | 0.37 |
| 23 | 10 | 33150276 | T>C | 0 | 0.416666667 | 0 | 0 |
| 24 | 10 | 33150746 | A>C | 0 | 0 | 0 | 0 |
| 25 | 10 | 33151150 | C>A | 0 | 0.356666667 | 0 | 0 |
| 26 | 10 | 33206961 | C>T | 0 | 0 | 0 | 0 |
| 27 | 10 | 33539311 | C>T | 0 | 0.5 | 0 | 0 |
| 28 | 10 | 33585711 | A>C | 0 | 0 | 0 | 0 |
| 29 | 10 | 33594885 | T>C | 0 | 0 | 0 | 0 |
| 30 | 10 | 34500513 | T>C | 0 | 0 | 0 | 0 |
| 31 | 10 | 34675620 | G>T | 0 | 0 | 0 | 0 |
| 32 | 10 | 34675633 | C>T | 0 | 0 | 0 | 0 |
| 33 | 10 | 34745263 | G>T | 0 | 0.588333333 | 0 | 0 |
| 34 | 10 | 34868112 | C>T | 0 | 0.346666667 | 0 | 0 |
| 35 | 10 | 34921141 | T>C | 0 | 0.606666667 | 0 | 0 |
| 36 | 10 | 34953253 | A>C | 0 | 0 | 0 | 0 |
| 37 | 10 | 35012174 | C>A | 0 | 0.438333333 | 0 | 0.3033333 |
| 38 | 10 | 35458018 | G>T | 0 | 0 | 0 | 0 |
| 39 | 10 | 35476706 | C>T | 0 | 0.396666667 | 0 | 0 |
| 40 | 10 | 35487192 | T>C | 0 | 0 | 0 | 0.6666667 |
| 41 | 10 | 35650065 | A>G | 0 | 0 | 0 | 0.3033333 |
| 42 | 10 | 35736121 | C>T | 0 | 0 | 0 | 0 |
| 43 | 10 | 35818603 | T>C | 0 | 0.521666667 | 0 | 0 |
| 44 | 10 | 37493201 | T>C | 0 | 0.391666667 | 0 | 0 |
| 45 | 10 | 37493538 | T>A | 0 | 0 | 0 | 0 |
| 46 | 10 | 38250930 | T>C | 0 | 0 | 0 | 0.3333333 |
| 47 | 10 | 38261850 | T>C | 0 | 0 | 0 | 0.5133333 |
| 48 | 10 | 43650001 | T>C | 0 | 0 | 0 | 0 |
| 49 | 10 | 43673871 | T>C | 0 | 0 | 0 | 0.36 |
| 50 | 10 | 43888793 | T>C | 0 | 0.521666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 10 | 43956011 | T>G | 0 | 0.32 | 0 | 0.6133333 |
| 3 | 10 | 45885925 | C>T | 0 | 0 | 0 | 0.4433333 |
| 4 | 10 | 45885926 | C>T | 0 | 0 | 0 | 0.4433333 |
| 5 | 10 | 45889189 | G>A | 0 | 0 | 0 | 0 |
| 6 | 10 | 46075312 | G>A | 0 | 0 | 0 | 0.5133333 |
| 7 | 10 | 46086739 | G>C | 0 | 0.37 | 0 | 0 |
| 8 | 10 | 46132609 | C>T | 0 | 0 | 0 | 0 |
| 9 | 10 | 46132610 | A>G | 0 | 0 | 0 | 0 |
| 10 | 10 | 46164864 | T>A | 0 | 0.445 | 0 | 0.3166667 |
| 11 | 10 | 46166764 | G>C | 0 | 0 | 0 | 0.4433333 |
| 12 | 10 | 46166911 | T>A | 0 | 0 | 0 | 0.7533333 |
| 13 | 10 | 49394680 | A>G | 0 | 0.438333333 | 0 | 0 |
| 14 | 10 | 49470911 | T>C | 0 | 0.416666667 | 0 | 0.3333333 |
| 15 | 10 | 49556459 | T>C | 0 | 0.37 | 0 | 0 |
| 16 | 10 | 49558323 | T>C | 0 | 0.686666667 | 0 | 0 |
| 17 | 10 | 49558873 | T>C | 0 | 0 | 0 | 0 |
| 18 | 10 | 49581901 | C>G | 0 | 0 | 0 | 0 |
| 19 | 10 | 49584052 | T>C | 0 | 0 | 0 | 0.44 |
| 20 | 10 | 49588668 | T>C | 0 | 0.345 | 0 | 0 |
| 21 | 10 | 49646497 | C>T | 0 | 0.606666667 | 0 | 0 |
| 22 | 10 | 50179289 | A>C | 0 | 0.303333333 | 0 | 0 |
| 23 | 10 | 50259721 | A>G | 0 | 0.416666667 | 0 | 0.37 |
| 24 | 10 | 50835807 | G>A | 0 | 0 | 0 | 0 |
| 25 | 10 | 50839358 | G>T | 0 | 0.356666667 | 0 | 0 |
| 26 | 10 | 50847255 | T>C | 0 | 0 | 0 | 0 |
| 27 | 10 | 50866182 | A>C | 0 | 0.476666667 | 0 | 0 |
| 28 | 10 | 51592804 | A>G | 0 | 0.351666667 | 0 | 0 |
| 29 | 10 | 52074482 | G>A | 0 | 0.486666667 | 0 | 0 |
| 30 | 10 | 52104502 | G>A | 0 | 0.313333333 | 0 | 0 |
| 31 | 10 | 52132427 | C>T | 0 | 0 | 0 | 0.4166667 |
| 32 | 10 | 52206020 | T>C | 0 | 0 | 0 | 0 |
| 33 | 10 | 52322525 | T>C | 0 | 0 | 0.361666667 | 0.4166667 |
| 34 | 10 | 52970409 | T>C | 0 | 0 | 0 | 0.74 |
| 35 | 10 | 52972668 | G>A | 0 | 0 | 0 | 0.4933333 |
| 36 | 10 | 53036716 | C>T | 0 | 0 | 0 | 0 |
| 37 | 10 | 53036911 | T>A | 0 | 0.416666667 | 0.303333333 | 0 |
| 38 | 10 | 53111001 | T>C | 0 | 0 | 0 | 0.6333333 |
| 39 | 10 | 53369516 | G>A | 0 | 0 | 0 | 0.6666667 |
| 40 | 10 | 53404679 | G>C | 0 | 0.316666667 | 0 | 0 |
| 41 | 10 | 53421351 | A>G | 0 | 0.378333333 | 0 | 0 |
| 42 | 10 | 53471132 | A>G | 0 | 0.333333333 | 0 | 0 |
| 43 | 10 | 53506318 | C>G | 0 | 0.416666667 | 0 | 0 |
| 44 | 10 | 53924052 | C>A | 0 | 0 | 0 | 0.6066667 |
| 45 | 10 | 54057827 | T>C | 0 | 0 | 0 | 0 |
| 46 | 10 | 55670915 | A>T | 0 | 0 | 0 | 0 |
| 47 | 10 | 55672240 | G>A | 0 | 0.333333333 | 0.555 | 0 |
| 48 | 10 | 55673622 | T>C | 0 | 0.513333333 | 0 | 0 |
| 49 | 10 | 55787282 | A>G | 0 | 0.356666667 | 0 | 0 |
| 50 | 10 | 55941789 | T>C | 0 | 0.378333333 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 10 | 55982816 | T>A | 0 | 0.385 | 0 | 0.3233333 |
| 3 | 10 | 56051693 | T>A | 0 | 0.445 | 0 | 0 |
| 4 | 10 | 56051694 | T>C | 0 | 0.445 | 0 | 0 |
| 5 | 10 | 56053308 | C>A | 0 | 0 | 0 | 0.58 |
| 6 | 10 | 56118189 | T>C | 0 | 0 | 0.5 | 0.5133333 |
| 7 | 10 | 56275922 | C>T | 0 | 0 | 0 | 0 |
| 8 | 10 | 56277847 | C>T | 0 | 0.555 | 0 | 0 |
| 9 | 10 | 59991120 | C>T | 0 | 0 | 0.313333333 | 0 |
| 10 | 10 | 59991431 | C>G | 0 | 0.476666667 | 0 | 0 |
| 11 | 10 | 60005735 | C>T | 0 | 0 | 0 | 0 |
| 12 | 10 | 60006529 | T>C | 0 | 0 | 0 | 0.35 |
| 13 | 10 | 60012505 | G>C | 0 | 0 | 0 | 0.4933333 |
| 14 | 10 | 60419131 | T>C | 0 | 0.435 | 0 | 0 |
| 15 | 10 | 60440216 | A>C | 0 | 0.416666667 | 0 | 0 |
| 16 | 10 | 60452944 | G>A | 0 | 0 | 0 | 0.3633333 |
| 17 | 10 | 60497043 | A>G | 0 | 0 | 0 | 0 |
| 18 | 10 | 60497595 | A>C | 0 | 0 | 0 | 0 |
| 19 | 10 | 60524996 | G>A | 0 | 0 | 0 | 0 |
| 20 | 10 | 60556187 | A>T | 0 | 0 | 0 | 0 |
| 21 | 10 | 60556203 | C>T | 0 | 0 | 0 | 0 |
| 22 | 10 | 60942277 | G>A | 0 | 0.37 | 0 | 0 |
| 23 | 10 | 60945399 | C>T | 0 | 0 | 0 | 0 |
| 24 | 10 | 61558548 | C>T | 0 | 0.351666667 | 0 | 0 |
| 25 | 10 | 61607264 | G>A | 0 | 0.555 | 0 | 0 |
| 26 | 10 | 61620564 | A>G | 0 | 0.37 | 0 | 0.38 |
| 27 | 10 | 61717138 | C>T | 0 | 0.351666667 | 0 | 0 |
| 28 | 10 | 61809136 | A>G | 0 | 0.555 | 0 | 0 |
| 29 | 10 | 61951840 | A>C | 0 | 0 | 0 | 0.4633333 |
| 30 | 10 | 61984872 | A>T | 0 | 0 | 0 | 0.6666667 |
| 31 | 10 | 62092986 | T>C | 0 | 0.555 | 0 | 0 |
| 32 | 10 | 62113014 | A>G | 0 | 0.435 | 0 | 0 |
| 33 | 10 | 63451975 | G>T | 0 | 0 | 0 | 0 |
| 34 | 10 | 63472067 | C>T | 0 | 0 | 0 | 0.3566667 |
| 35 | 10 | 63472359 | C>A | 0 | 0.351666667 | 0 | 0 |
| 36 | 10 | 63473013 | C>T | 0 | 0 | 0 | 0.43 |
| 37 | 10 | 63474449 | T>C | 0 | 0 | 0 | 0.3933333 |
| 38 | 10 | 63475721 | C>T | 0 | 0 | 0.303333333 | 0 |
| 39 | 10 | 63480930 | T>C | 0 | 0 | 0 | 0.37 |
| 40 | 10 | 63485094 | G>A | 0 | 0 | 0 | 0 |
| 41 | 10 | 63684904 | T>C | 0 | 0.613333333 | 0 | 0.4 |
| 42 | 10 | 63717204 | A>T | 0 | 0 | 0.436666667 | 0 |
| 43 | 10 | 63736994 | C>A | 0 | 0 | 0 | 0 |
| 44 | 10 | 63737023 | A>G | 0 | 0 | 0 | 0 |
| 45 | 10 | 63738376 | A>T | 0 | 0 | 0.333333333 | 0.5333333 |
| 46 | 10 | 63776978 | A>G | 0 | 0 | 0 | 0.4433333 |
| 47 | 10 | 63790777 | G>A | 0 | 0 | 0 | 0 |
| 48 | 10 | 63838140 | C>T | 0 | 0.5 | 0 | 0 |
| 49 | 10 | 64231800 | G>A | 0 | 0.5 | 0 | 0 |
| 50 | 10 | 64241192 | C>G | 0 | 0.555 | 0 | 0 |
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|----|----|----------|-----|---|-------------|---|------------|
| 1 | | | | | | | |
| 2 | 10 | 64900641 | T>A | 0 | 0 | 0 | 0.3033333 |
| 3 | 10 | 65032304 | T>G | 0 | 0.356666667 | 0 | 0 |
| 4 | 10 | 65072128 | C>A | 0 | 0.526666667 | 0 | 0 |
| 5 | 10 | 65212773 | A>G | 0 | 0.346666667 | 0 | 0 |
| 6 | 10 | 65289798 | T>C | 0 | 0.361666667 | 0 | 0 |
| 7 | 10 | 65289799 | C>A | 0 | 0.361666667 | 0 | 0 |
| 8 | 10 | 65309286 | C>T | 0 | 0.455 | 0 | 0 |
| 9 | 10 | 65382544 | A>G | 0 | 0 | 0 | 0.78333333 |
| 10 | 10 | 67722756 | C>A | 0 | 0.455 | 0 | 0 |
| 11 | 10 | 67887669 | A>C | 0 | 0 | 0 | 0 |
| 12 | 10 | 67900804 | C>G | 0 | 0.361666667 | 0 | 0 |
| 13 | 10 | 68090387 | T>C | 0 | 0 | 0 | 0.5366667 |
| 14 | 10 | 68122081 | A>G | 0 | 0.391666667 | 0 | 0.43 |
| 15 | 10 | 68124994 | A>G | 0 | 0.416666667 | 0 | 0 |
| 16 | 10 | 68144820 | C>G | 0 | 0.351666667 | 0 | 0 |
| 17 | 10 | 68145598 | A>C | 0 | 0 | 0 | 0.5566667 |
| 18 | 10 | 68189620 | C>T | 0 | 0.356666667 | 0 | 0.39333333 |
| 19 | 10 | 68193858 | T>G | 0 | 0 | 0 | 0 |
| 20 | 10 | 68205188 | A>T | 0 | 0 | 0 | 0.9266667 |
| 21 | 10 | 68216244 | G>T | 0 | 0.333333333 | 0 | 0 |
| 22 | 10 | 68330307 | G>A | 0 | 0.361666667 | 0 | 0.35 |
| 23 | 10 | 68330325 | G>A | 0 | 0.346666667 | 0 | 0.30333333 |
| 24 | 10 | 68660724 | G>C | 0 | 0.555 | 0 | 0 |
| 25 | 10 | 68687657 | A>G | 0 | 0 | 0 | 0 |
| 26 | 10 | 68722458 | C>T | 0 | 0.378333333 | 0 | 0 |
| 27 | 10 | 68733601 | T>C | 0 | 0 | 0 | 0 |
| 28 | 10 | 68779172 | C>T | 0 | 0.351666667 | 0 | 0 |
| 29 | 10 | 69084043 | A>G | 0 | 0 | 0 | 0 |
| 30 | 10 | 69124890 | T>C | 0 | 0 | 0 | 0 |
| 31 | 10 | 69242767 | C>T | 0 | 0 | 0 | 0.37 |
| 32 | 10 | 69269672 | A>G | 0 | 0 | 0 | 0.39333333 |
| 33 | 10 | 69269755 | A>G | 0 | 0.5 | 0 | 0.33333333 |
| 34 | 10 | 69318318 | C>T | 0 | 0.49 | 0 | 0 |
| 35 | 10 | 69320353 | G>C | 0 | 0 | 0 | 0 |
| 36 | 10 | 69332751 | G>A | 0 | 0.313333333 | 0 | 0 |
| 37 | 10 | 69340996 | C>T | 0 | 0 | 0 | 0.3166667 |
| 38 | 10 | 69397355 | G>T | 0 | 0 | 0 | 0.3266667 |
| 39 | 10 | 69401425 | G>C | 0 | 0.513333333 | 0 | 0.4 |
| 40 | 10 | 69432114 | G>T | 0 | 0 | 0 | 0 |
| 41 | 10 | 69657521 | T>G | 0 | 0 | 0 | 0.5866667 |
| 42 | 10 | 69664082 | T>A | 0 | 0.493333333 | 0 | 0 |
| 43 | 10 | 69706455 | A>G | 0 | 0.356666667 | 0 | 0 |
| 44 | 10 | 69758683 | A>G | 0 | 0 | 0 | 0.32333333 |
| 45 | 10 | 69770999 | G>A | 0 | 0.391666667 | 0 | 0 |
| 46 | 10 | 69779022 | A>G | 0 | 0 | 0 | 0.68333333 |
| 47 | 10 | 69814315 | T>G | 0 | 0.506666667 | 0 | 0.3166667 |
| 48 | 10 | 69829556 | C>T | 0 | 0.476666667 | 0 | 0.69333333 |
| 49 | 10 | 69882914 | T>C | 0 | 0.613333333 | 0 | 0 |
| 50 | 10 | 69938352 | C>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 10 | 69960291 | G>A | 0 | 0 | 0 | 0 |
| 3 | 10 | 70068968 | C>G | 0 | 0 | 0 | 0 |
| 4 | 10 | 70110742 | G>A | 0 | 0 | 0 | 0.35 |
| 5 | 10 | 70125894 | C>G | 0 | 0 | 0 | 0 |
| 6 | 10 | 70129024 | T>C | 0 | 0 | 0 | 0.5366667 |
| 7 | 10 | 70143164 | C>T | 0 | 0.333333333 | 0 | 0 |
| 8 | 10 | 70199393 | A>G | 0 | 0 | 0 | 0.3966667 |
| 9 | 10 | 70222094 | A>C | 0 | 0.308333333 | 0 | 0 |
| 10 | 10 | 70358740 | G>A | 0 | 0 | 0 | 0 |
| 11 | 10 | 70365863 | T>C | 0 | 0.391666667 | 0 | 0.3333333 |
| 12 | 10 | 70369106 | T>C | 0 | 0.306666667 | 0 | 0 |
| 13 | 10 | 70419345 | T>G | 0 | 0.521666667 | 0 | 0.72 |
| 14 | 10 | 70420687 | T>C | 0 | 0 | 0 | 0.3033333 |
| 15 | 10 | 70427265 | C>T | 0 | 0.378333333 | 0 | 0 |
| 16 | 10 | 70438259 | T>C | 0 | 0 | 0 | 0 |
| 17 | 10 | 70504939 | G>A | 0 | 0 | 0 | 0.5133333 |
| 18 | 10 | 70600496 | C>T | 0 | 0 | 0 | 0 |
| 19 | 10 | 70625201 | T>C | 0 | 0.416666667 | 0 | 0 |
| 20 | 10 | 70664011 | G>C | 0 | 0 | 0 | 0 |
| 21 | 10 | 70689672 | G>A | 0 | 0 | 0 | 0.49 |
| 22 | 10 | 70704579 | T>G | 0 | 0 | 0.378333333 | 0 |
| 23 | 10 | 70716573 | C>T | 0 | 0 | 0 | 0 |
| 24 | 10 | 70756101 | A>G | 0 | 0 | 0 | 0.3433333 |
| 25 | 10 | 70857387 | A>G | 0 | 0.476666667 | 0 | 0 |
| 26 | 10 | 70896603 | G>A | 0 | 0.356666667 | 0 | 0 |
| 27 | 10 | 70896604 | A>G | 0 | 0.356666667 | 0 | 0 |
| 28 | 10 | 71005969 | G>A | 0 | 0 | 0 | 0 |
| 29 | 10 | 71005990 | A>T | 0 | 0 | 0 | 0 |
| 30 | 10 | 71008329 | G>A | 0 | 0 | 0 | 0 |
| 31 | 10 | 71074775 | C>T | 0 | 0.625 | 0 | 0 |
| 32 | 10 | 71096586 | T>A | 0 | 0 | 0 | 0.7233333 |
| 33 | 10 | 71243619 | A>G | 0 | 0 | 0 | 0 |
| 34 | 10 | 71622838 | G>C | 0 | 0 | 0 | 0 |
| 35 | 10 | 71638385 | G>C | 0 | 0 | 0 | 0 |
| 36 | 10 | 71824068 | A>G | 0 | 0.416666667 | 0 | 0.7033333 |
| 37 | 10 | 71824097 | A>G | 0 | 0.448333333 | 0 | 0 |
| 38 | 10 | 71963437 | G>T | 0 | 0.651666667 | 0 | 0 |
| 39 | 10 | 72020520 | A>G | 0 | 0 | 0 | 0 |
| 40 | 10 | 72088177 | C>T | 0 | 0.37 | 0 | 0 |
| 41 | 10 | 72198879 | C>G | 0 | 0.323333333 | 0 | 0 |
| 42 | 10 | 72606958 | T>G | 0 | 0 | 0 | 0.6066667 |
| 43 | 10 | 72607103 | G>A | 0 | 0.36 | 0 | 0 |
| 44 | 10 | 72614042 | A>C | 0 | 0.526666667 | 0 | 0 |
| 45 | 10 | 72622950 | C>G | 0 | 0.526666667 | 0 | 0 |
| 46 | 10 | 73561904 | G>A | 0 | 0 | 0 | 0.6666667 |
| 47 | 10 | 73761919 | C>T | 0 | 0.5 | 0 | 0 |
| 48 | 10 | 73874199 | T>C | 0 | 0.333333333 | 0 | 0 |
| 49 | 10 | 73910738 | G>A | 0 | 0.385 | 0 | 0 |
| 50 | 10 | 73957479 | T>C | 0 | 0.391666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 10 | 74034560 | G>T | 0 | 0 | 0 | 0 |
| 3 | 10 | 74165190 | C>G | 0 | 0 | 0 | 0.39333333 |
| 4 | 10 | 74173238 | G>C | 0 | 0.356666667 | 0 | 0 |
| 5 | 10 | 74197888 | C>T | 0 | 0 | 0 | 0.49333333 |
| 6 | 10 | 74348947 | C>T | 0 | 0 | 0 | 0 |
| 7 | 10 | 74348948 | A>G | 0 | 0 | 0 | 0 |
| 8 | 10 | 74361963 | A>C | 0 | 0.356666667 | 0 | 0 |
| 9 | 10 | 74502917 | G>A | 0 | 0 | 0 | 1 |
| 10 | 10 | 74566188 | A>G | 0 | 0.466666667 | 0 | 0.36333333 |
| 11 | 10 | 74580540 | A>G | 0 | 0.37 | 0 | 0 |
| 12 | 10 | 74614956 | T>C | 0 | 0 | 0 | 0 |
| 13 | 10 | 74614958 | T>C | 0 | 0.378333333 | 0 | 0 |
| 14 | 10 | 74659192 | G>A | 0 | 0.303333333 | 0 | 0.76333333 |
| 15 | 10 | 74681628 | T>C | 0 | 0.356666667 | 0.49 | 0 |
| 16 | 10 | 74687035 | C>T | 0 | 0.351666667 | 0 | 0 |
| 17 | 10 | 74769918 | C>G | 0 | 0 | 0 | 0 |
| 18 | 10 | 74786697 | G>C | 0 | 0 | 0 | 0.31333333 |
| 19 | 10 | 74924301 | T>C | 0 | 0.333333333 | 0 | 0 |
| 20 | 10 | 75018029 | T>A | 0 | 0.5 | 0 | 0 |
| 21 | 10 | 75028688 | A>G | 0 | 0.416666667 | 0 | 0 |
| 22 | 10 | 75039139 | G>A | 0 | 0.37 | 0 | 0 |
| 23 | 10 | 75099444 | C>T | 0 | 0.416666667 | 0 | 0 |
| 24 | 10 | 75105356 | G>A | 0 | 0 | 0 | 0 |
| 25 | 10 | 75137877 | G>A | 0 | 0.345 | 0 | 0.62666667 |
| 26 | 10 | 75204414 | A>T | 0 | 0 | 0 | 0 |
| 27 | 10 | 75233145 | T>C | 0 | 0 | 0.313333333 | 0 |
| 28 | 10 | 75258097 | G>A | 0 | 0 | 0 | 0.35 |
| 29 | 10 | 75307052 | G>A | 0 | 0.513333333 | 0 | 0 |
| 30 | 10 | 75370134 | T>C | 0 | 0.351666667 | 0.341666667 | 0 |
| 31 | 10 | 75524138 | C>T | 0 | 0 | 0 | 0 |
| 32 | 10 | 75527358 | A>G | 0 | 0.37 | 0 | 0 |
| 33 | 10 | 75545839 | T>C | 0 | 0 | 0 | 0 |
| 34 | 10 | 75549368 | T>C | 0 | 0 | 0 | 0 |
| 35 | 10 | 75557123 | C>T | 0 | 0 | 0 | 0 |
| 36 | 10 | 75573350 | G>C | 0 | 0 | 0 | 0 |
| 37 | 10 | 75580639 | C>T | 0 | 0 | 0 | 0.40333333 |
| 38 | 10 | 75599108 | T>C | 0 | 0 | 0 | 0 |
| 39 | 10 | 75674740 | C>T | 0 | 0 | 0 | 0 |
| 40 | 10 | 75901747 | A>G | 0 | 0.58 | 0 | 0 |
| 41 | 10 | 76128606 | A>G | 0 | 0.351666667 | 0 | 0 |
| 42 | 10 | 76184092 | T>A | 0 | 0 | 0 | 0.35 |
| 43 | 10 | 76329158 | G>A | 0 | 0 | 0 | 0 |
| 44 | 10 | 76331294 | G>A | 0 | 0 | 0 | 0.58666667 |
| 45 | 10 | 76345568 | T>G | 0 | 0 | 0 | 0 |
| 46 | 10 | 76364105 | T>A | 0 | 0 | 0 | 0.44333333 |
| 47 | 10 | 76366066 | C>T | 0 | 0.445 | 0 | 0 |
| 48 | 10 | 76367217 | T>G | 0 | 0.513333333 | 0 | 0.38333333 |
| 49 | 10 | 76378290 | G>A | 0 | 0.416666667 | 0 | 0 |
| 50 | 10 | 76452025 | C>T | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 10 | 76678760 | G>A | 0 | 0 | 0 | 0 |
| 3 | 10 | 76735826 | A>C | 0 | 0 | 0 | 0 |
| 4 | 10 | 76736504 | T>C | 0 | 0 | 0 | 0 |
| 5 | 10 | 76736524 | A>G | 0 | 0 | 0 | 0 |
| 6 | 10 | 76749845 | A>C | 0 | 0.416666667 | 0 | 0 |
| 7 | 10 | 76782594 | A>G | 0 | 0.361666667 | 0 | 0 |
| 8 | 10 | 76879562 | T>G | 0 | 0 | 0 | 0 |
| 9 | 10 | 76901482 | T>G | 0 | 0 | 0 | 0.3266667 |
| 10 | 10 | 77676519 | T>G | 0 | 0 | 0 | 0 |
| 11 | 10 | 77698454 | T>C | 0 | 0 | 0 | 0 |
| 12 | 10 | 77806478 | A>G | 0 | 0.385 | 0 | 0 |
| 13 | 10 | 77843430 | A>T | 0 | 0 | 0 | 0.4766667 |
| 14 | 10 | 77960992 | T>C | 0 | 0 | 0 | 0 |
| 15 | 10 | 78128400 | T>C | 0 | 0 | 0 | 0 |
| 16 | 10 | 78170641 | C>T | 0 | 0 | 0 | 0.31 |
| 17 | 10 | 78187319 | A>T | 0 | 0.333333333 | 0 | 0 |
| 18 | 10 | 78187628 | G>T | 0 | 0.333333333 | 0 | 0 |
| 19 | 10 | 78301008 | A>C | 0 | 0 | 0 | 0.5066667 |
| 20 | 10 | 78755186 | A>G | 0 | 0 | 0 | 0 |
| 21 | 10 | 78882711 | A>T | 0 | 0 | 0.313333333 | 0 |
| 22 | 10 | 78943530 | T>C | 0 | 0 | 0 | 0.4066667 |
| 23 | 10 | 79319855 | T>C | 0 | 0 | 0 | 0.3233333 |
| 24 | 10 | 79612009 | G>A | 0 | 0 | 0 | 1 |
| 25 | 10 | 79660503 | A>G | 0 | 0.416666667 | 0 | 0 |
| 26 | 10 | 79662590 | T>C | 0 | 0 | 0 | 0.4166667 |
| 27 | 10 | 79664646 | A>G | 0 | 0 | 0 | 0.5266667 |
| 28 | 10 | 79751500 | T>C | 0 | 0.4 | 0 | 0.74 |
| 29 | 10 | 80881987 | G>C | 0 | 0 | 0 | 0 |
| 30 | 10 | 81002610 | A>G | 0 | 0 | 0 | 0 |
| 31 | 10 | 82336787 | A>T | 0 | 0 | 0 | 0.4066667 |
| 32 | 10 | 82388209 | C>T | 0 | 0.513333333 | 0 | 0 |
| 33 | 10 | 82397937 | A>G | 0 | 0 | 0 | 0.4766667 |
| 34 | 10 | 83772906 | T>G | 0 | 0.5 | 0 | 0.6666667 |
| 35 | 10 | 83805654 | A>G | 0 | 0.555 | 0 | 0 |
| 36 | 10 | 83888851 | G>T | 0 | 0.438333333 | 0 | 0 |
| 37 | 10 | 84132610 | T>A | 0 | 0.391666667 | 0 | 0 |
| 38 | 10 | 84195944 | G>C | 0 | 0 | 0 | 0 |
| 39 | 10 | 84419368 | T>C | 0 | 0.303333333 | 0 | 1 |
| 40 | 10 | 84487741 | A>G | 0 | 0.445 | 0 | 0 |
| 41 | 10 | 84548257 | A>C | 0 | 0 | 0 | 0.36 |
| 42 | 10 | 84552692 | G>C | 0 | 0.555 | 0 | 0 |
| 43 | 10 | 84688184 | G>A | 0 | 0 | 0 | 0 |
| 44 | 10 | 84712004 | T>C | 0 | 0.49 | 0 | 0.3433333 |
| 45 | 10 | 86202530 | G>A | 0 | 0.385 | 0 | 0 |
| 46 | 10 | 86203210 | T>C | 0 | 0 | 0 | 0 |
| 47 | 10 | 86203211 | G>A | 0 | 0 | 0 | 0 |
| 48 | 10 | 86225762 | A>G | 0 | 0 | 0 | 0.6666667 |
| 49 | 10 | 86246438 | C>A | 0 | 0 | 0 | 0 |
| 50 | 10 | 86251773 | T>C | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 10 | 86259759 | T>C | 0 | 0 | 0 | 0 |
| 3 | 10 | 86259774 | T>G | 0 | 0 | 0 | 0 |
| 4 | 10 | 87464528 | T>C | 0 | 0 | 0 | 0 |
| 5 | 10 | 87464606 | A>C | 0 | 0 | 0 | 0.30333333 |
| 6 | 10 | 87467532 | C>A | 0 | 0.351666667 | 0 | 0.37 |
| 7 | 10 | 87530104 | G>C | 0 | 0 | 0.361666667 | 0.44333333 |
| 8 | 10 | 87673337 | G>A | 0 | 0.438333333 | 0 | 0 |
| 9 | 10 | 87673468 | G>A | 0 | 0 | 0 | 0.36 |
| 10 | 10 | 87724742 | T>C | 0 | 0.625 | 0 | 0 |
| 11 | 10 | 87855464 | T>A | 0 | 0 | 0 | 0 |
| 12 | 10 | 87869903 | A>G | 0 | 0.4 | 0 | 0 |
| 13 | 10 | 87869954 | A>C | 0 | 0.32 | 0 | 0 |
| 14 | 10 | 88083674 | A>G | 0 | 0 | 0 | 0 |
| 15 | 10 | 88096871 | A>G | 0 | 0.513333333 | 0 | 0.4266667 |
| 16 | 10 | 88207556 | T>C | 0 | 0.391666667 | 0 | 0 |
| 17 | 10 | 88212548 | C>G | 0 | 0 | 0 | 0 |
| 18 | 10 | 88260039 | C>A | 0 | 0 | 0 | 0 |
| 19 | 10 | 88420687 | T>C | 0 | 0 | 0 | 0.30333333 |
| 20 | 10 | 88436490 | C>T | 0 | 0 | 0 | 0 |
| 21 | 10 | 88540260 | C>T | 0 | 0 | 0 | 0 |
| 22 | 10 | 88554835 | C>T | 0 | 0 | 0 | 0.30333333 |
| 23 | 10 | 88631486 | G>T | 0 | 0 | 0 | 0.5366667 |
| 24 | 10 | 88634884 | C>T | 0 | 0.555 | 0 | 0 |
| 25 | 10 | 89286574 | T>G | 0 | 0 | 0 | 0.5 |
| 26 | 10 | 89286576 | C>T | 0 | 0 | 0 | 0.6666667 |
| 27 | 10 | 89289176 | T>C | 0 | 0.356666667 | 0 | 0.44333333 |
| 28 | 10 | 89478040 | A>G | 0 | 0 | 0 | 0 |
| 29 | 10 | 89658676 | G>T | 0 | 0 | 0 | 0 |
| 30 | 10 | 89659207 | C>T | 0 | 0 | 0 | 0 |
| 31 | 10 | 89662082 | T>G | 0 | 0 | 0 | 0 |
| 32 | 10 | 89706170 | A>G | 0 | 0 | 0 | 0 |
| 33 | 10 | 90110499 | C>T | 0 | 0 | 0 | 0 |
| 34 | 10 | 90205298 | T>C | 0 | 0 | 0 | 0 |
| 35 | 10 | 90252272 | C>T | 0 | 0.625 | 0 | 0 |
| 36 | 10 | 90288430 | T>C | 0 | 0 | 0 | 0 |
| 37 | 10 | 90288432 | T>G | 0 | 0 | 0 | 0 |
| 38 | 10 | 91032665 | T>C | 0 | 0.666666667 | 0 | 0 |
| 39 | 10 | 91205362 | T>C | 0 | 0.971666667 | 0 | 0 |
| 40 | 10 | 91207284 | T>A | 0 | 0 | 0 | 0.4166667 |
| 41 | 10 | 91208206 | T>A | 0 | 0.476666667 | 0 | 0 |
| 42 | 10 | 91268344 | A>G | 0 | 0 | 0 | 0 |
| 43 | 10 | 91270170 | G>C | 0 | 0 | 0 | 0 |
| 44 | 10 | 91273934 | G>A | 0 | 0.666666667 | 0 | 0 |
| 45 | 10 | 91381714 | A>G | 0 | 0.435 | 0 | 0 |
| 46 | 10 | 91507270 | G>T | 0 | 0 | 0 | 0 |
| 47 | 10 | 92566107 | A>G | 0 | 0.416666667 | 0 | 0 |
| 48 | 10 | 92613954 | T>A | 0 | 0.555 | 0 | 0 |
| 49 | 10 | 93038128 | A>G | 0 | 0 | 0 | 0 |
| 50 | 10 | 93199120 | A>G | 0 | 0.416666667 | 0.455 | 0.4766667 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 10 | 93199472 | G>C | 0 | 0.356666667 | 0 | 0 |
| 3 | 10 | 93216418 | G>C | 0 | 0 | 0.333333333 | 0.35 |
| 4 | 10 | 93218104 | T>A | 0 | 0.606666667 | 0 | 0 |
| 5 | 10 | 93811931 | T>G | 0 | 0 | 0 | 0 |
| 6 | 10 | 93893557 | G>C | 0 | 0.476666667 | 0 | 0 |
| 7 | 10 | 93894560 | G>T | 0 | 0 | 0 | 0.4 |
| 8 | 10 | 93938228 | C>T | 0 | 0.455 | 0 | 0 |
| 9 | 10 | 93950303 | A>T | 0 | 0 | 0 | 0.30333333 |
| 10 | 10 | 93964061 | C>T | 0 | 0 | 0 | 0 |
| 11 | 10 | 93974501 | T>C | 0 | 0 | 0 | 0 |
| 12 | 10 | 93979666 | A>G | 0 | 0 | 0 | 1 |
| 13 | 10 | 94003857 | G>A | 0 | 0.401666667 | 0 | 0 |
| 14 | 10 | 94004270 | T>C | 0 | 0.606666667 | 0 | 0 |
| 15 | 10 | 94009756 | A>G | 0 | 0 | 0 | 0.70333333 |
| 16 | 10 | 94024672 | T>C | 0 | 0 | 0.323333333 | 0.6166667 |
| 17 | 10 | 94046202 | C>T | 0 | 0.416666667 | 0 | 0 |
| 18 | 10 | 94067483 | C>T | 0 | 0.445 | 0 | 0 |
| 19 | 10 | 94224561 | G>A | 0 | 0 | 0 | 0 |
| 20 | 10 | 94251587 | T>C | 0 | 0 | 0 | 0 |
| 21 | 10 | 94251877 | T>C | 0 | 0 | 0.316666667 | 0 |
| 22 | 10 | 94271041 | A>G | 0 | 0 | 0 | 0 |
| 23 | 10 | 94287509 | A>C | 0 | 0.316666667 | 0 | 0 |
| 24 | 10 | 94315727 | G>A | 0 | 0.385 | 0 | 0 |
| 25 | 10 | 94360183 | C>G | 0 | 0.385 | 0 | 0 |
| 26 | 10 | 94360472 | A>C | 0 | 0.361666667 | 0 | 0.34333333 |
| 27 | 10 | 94363344 | A>G | 0 | 0 | 0 | 0 |
| 28 | 10 | 94390367 | A>G | 0 | 0.435 | 0 | 0 |
| 29 | 10 | 94452452 | C>T | 0 | 0 | 0 | 0 |
| 30 | 10 | 94650948 | C>T | 0 | 0.513333333 | 0 | 0 |
| 31 | 10 | 94718705 | A>G | 0 | 0.361666667 | 0 | 0 |
| 32 | 10 | 94730987 | G>A | 0 | 0.313333333 | 0 | 0 |
| 33 | 10 | 95194027 | C>A | 0 | 0.416666667 | 0 | 0 |
| 34 | 10 | 95202824 | T>C | 0 | 0.416666667 | 0 | 0 |
| 35 | 10 | 95227607 | C>T | 0 | 0 | 0 | 0.5566667 |
| 36 | 10 | 95238325 | T>C | 0 | 0.606666667 | 0 | 0 |
| 37 | 10 | 95377348 | C>T | 0 | 0.303333333 | 0 | 0 |
| 38 | 10 | 95377349 | A>G | 0 | 0.303333333 | 0 | 0 |
| 39 | 10 | 95435260 | A>G | 0 | 0.43 | 0 | 0 |
| 40 | 10 | 95456240 | C>G | 0 | 0.513333333 | 0 | 0 |
| 41 | 10 | 95549568 | T>G | 0 | 0 | 0 | 0.63 |
| 42 | 10 | 95780807 | T>C | 0 | 0.416666667 | 0 | 0 |
| 43 | 10 | 95922635 | G>A | 0 | 0 | 0 | 0.33333333 |
| 44 | 10 | 96254575 | T>A | 0 | 0 | 0 | 0.37 |
| 45 | 10 | 96282542 | G>A | 0 | 0 | 0 | 0 |
| 46 | 10 | 96314947 | A>G | 0 | 0 | 0 | 0 |
| 47 | 10 | 96314960 | A>G | 0 | 0 | 0 | 0 |
| 48 | 10 | 96458171 | A>G | 0 | 0 | 0 | 0 |
| 49 | 10 | 96473962 | T>G | 0 | 0.49 | 0 | 0 |
| 50 | 10 | 96475304 | A>G | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 10 | 96536724 | T>A | 0 | 0.333333333 | 0 | 0 |
| 3 | 10 | 96550330 | G>A | 0 | 0 | 0.416666667 | 0.4166667 |
| 4 | 10 | 96551410 | A>G | 0 | 0 | 0.333333333 | 0 |
| 5 | 10 | 96551474 | C>T | 0 | 0 | 0 | 0 |
| 6 | 10 | 96551881 | A>T | 0 | 0 | 0 | 0 |
| 7 | 10 | 96551882 | G>C | 0 | 0 | 0 | 0 |
| 8 | 10 | 96589562 | G>A | 0 | 0.555 | 0 | 0 |
| 9 | 10 | 96606940 | T>C | 0 | 0 | 0 | 0.46 |
| 10 | 10 | 96607211 | T>C | 0 | 0 | 0 | 0 |
| 11 | 10 | 96709603 | T>C | 0 | 0.303333333 | 0 | 0.4766667 |
| 12 | 10 | 96715631 | T>C | 0 | 0.36 | 0 | 0.3333333 |
| 13 | 10 | 96718434 | T>G | 0 | 0 | 0.416666667 | 0.73 |
| 14 | 10 | 96813246 | T>C | 0 | 0 | 0 | 0 |
| 15 | 10 | 96821880 | A>T | 0 | 0 | 0 | 0 |
| 16 | 10 | 96822419 | C>T | 0 | 0 | 0 | 0.7233333 |
| 17 | 10 | 96822420 | T>G | 0 | 0 | 0 | 0.7233333 |
| 18 | 10 | 97222986 | G>A | 0 | 0.476666667 | 0 | 0 |
| 19 | 10 | 97230522 | C>T | 0 | 0.606666667 | 0 | 0 |
| 20 | 10 | 97294124 | C>G | 0 | 0.666666667 | 0 | 0 |
| 21 | 10 | 97441085 | G>A | 0 | 0 | 0 | 0 |
| 22 | 10 | 97451118 | T>C | 0 | 0 | 0 | 0 |
| 23 | 10 | 97451119 | T>C | 0 | 0 | 0 | 0 |
| 24 | 10 | 97615739 | T>C | 0 | 0 | 0 | 0.5733333 |
| 25 | 10 | 97674149 | A>G | 0 | 0 | 0.313333333 | 0 |
| 26 | 10 | 97689979 | C>T | 0 | 0.43 | 0 | 0 |
| 27 | 10 | 97690079 | G>A | 0 | 0 | 0 | 0 |
| 28 | 10 | 97691510 | C>T | 0 | 0 | 0 | 0.54 |
| 29 | 10 | 97706969 | T>A | 0 | 0.555 | 0 | 0.4333333 |
| 30 | 10 | 98163964 | C>T | 0 | 0.513333333 | 0 | 0 |
| 31 | 10 | 98333543 | G>C | 0 | 0.345 | 0 | 0 |
| 32 | 10 | 98334207 | C>T | 0 | 0 | 0 | 0 |
| 33 | 10 | 98412146 | T>C | 0 | 0.32 | 0 | 0 |
| 34 | 10 | 98449049 | T>C | 0 | 0 | 0.333333333 | 0 |
| 35 | 10 | 98458872 | T>C | 0 | 0.438333333 | 0 | 0 |
| 36 | 10 | 98610044 | C>T | 0 | 0.378333333 | 0 | 0 |
| 37 | 10 | 98626579 | T>C | 0 | 0.308333333 | 0 | 0 |
| 38 | 10 | 99016660 | C>T | 0 | 0 | 0 | 0 |
| 39 | 10 | 99039982 | A>G | 0 | 0.308333333 | 0 | 0 |
| 40 | 10 | 99122178 | T>C | 0 | 0 | 0 | 0 |
| 41 | 10 | 99133584 | T>C | 0 | 0 | 0 | 0 |
| 42 | 10 | 99148086 | G>T | 0 | 0 | 0 | 0 |
| 43 | 10 | 99186562 | G>A | 0 | 0 | 0 | 0.65 |
| 44 | 10 | 99198697 | T>C | 0 | 0.476666667 | 0 | 0 |
| 45 | 10 | 99202494 | C>G | 0 | 0.391666667 | 0 | 0 |
| 46 | 10 | 99328350 | C>T | 0 | 0 | 0.315 | 0.31 |
| 47 | 10 | 99430854 | G>A | 0 | 0 | 0 | 0 |
| 48 | 10 | 99937355 | G>A | 0 | 0.361666667 | 0 | 0 |
| 49 | 10 | 99938028 | G>C | 0 | 0 | 0 | 0 |
| 50 | 10 | 99940168 | A>G | 0 | 0.416666667 | 0 | 0.3433333 |
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| 1 | | | | | | | |
| 2 | 10 | 99981568 | A>G | 0 | 0.36 | 0 | 0 |
| 3 | 10 | 99989318 | T>A | 0 | 0 | 0 | 0 |
| 4 | 10 | 1E+08 | T>A | 0 | 0 | 0 | 0 |
| 5 | 10 | 1E+08 | A>G | 0 | 0 | 0 | 0.38333333 |
| 6 | 10 | 1E+08 | C>T | 0 | 0 | 0 | 0.55666667 |
| 7 | 10 | 1E+08 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 8 | 10 | 1.01E+08 | C>A | 0 | 0 | 0 | 0.37 |
| 9 | 10 | 1.01E+08 | A>C | 0 | 0.445 | 0 | 0 |
| 10 | 10 | 1.01E+08 | C>A | 0 | 0.3083333333 | 0 | 0 |
| 11 | 10 | 1.01E+08 | G>A | 0 | 0 | 0 | 0 |
| 12 | 10 | 1.01E+08 | A>G | 0 | 0.5883333333 | 0 | 0 |
| 13 | 10 | 1.01E+08 | A>G | 0 | 0 | 0 | 0 |
| 14 | 10 | 1.01E+08 | T>A | 0 | 0 | 0 | 0.62666667 |
| 15 | 10 | 1.02E+08 | A>G | 0 | 0.4633333333 | 0 | 0 |
| 16 | 10 | 1.02E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 17 | 10 | 1.02E+08 | A>G | 0 | 0 | 0 | 0 |
| 18 | 10 | 1.02E+08 | C>T | 0 | 0 | 0 | 0.43 |
| 19 | 10 | 1.02E+08 | G>A | 0 | 0 | 0 | 0.44333333 |
| 20 | 10 | 1.02E+08 | A>G | 0 | 0 | 0 | 0 |
| 21 | 10 | 1.02E+08 | A>G | 0 | 0.4383333333 | 0 | 0 |
| 22 | 10 | 1.02E+08 | T>C | 0 | 0.6483333333 | 0.325 | 0 |
| 23 | 10 | 1.03E+08 | C>T | 0 | 0.4316666667 | 0 | 0 |
| 24 | 10 | 1.03E+08 | T>C | 0 | 0.3033333333 | 0 | 0 |
| 25 | 10 | 1.03E+08 | A>G | 0 | 0 | 0 | 0.83333333 |
| 26 | 10 | 1.03E+08 | A>G | 0 | 0 | 0 | 0.31333333 |
| 27 | 10 | 1.03E+08 | A>C | 0 | 0 | 0 | 0 |
| 28 | 10 | 1.03E+08 | G>A | 0 | 0.73 | 0 | 0 |
| 29 | 10 | 1.03E+08 | G>T | 0 | 0 | 0 | 0 |
| 30 | 10 | 1.03E+08 | C>T | 0 | 0 | 0 | 0 |
| 31 | 10 | 1.03E+08 | G>A | 0 | 0 | 0 | 0.38666667 |
| 32 | 10 | 1.04E+08 | G>C | 0 | 0 | 0 | 0 |
| 33 | 10 | 1.04E+08 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 34 | 10 | 1.04E+08 | C>T | 0 | 0 | 0 | 0.43 |
| 35 | 10 | 1.04E+08 | G>A | 0 | 0.3516666667 | 0 | 0 |
| 36 | 10 | 1.04E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 10 | 1.04E+08 | T>C | 0 | 0 | 0 | 0 |
| 38 | 10 | 1.04E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 10 | 1.04E+08 | G>A | 0 | 0 | 0 | 0 |
| 40 | 10 | 1.04E+08 | C>T | 0 | 0 | 0 | 0 |
| 41 | 10 | 1.04E+08 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 42 | 10 | 1.04E+08 | G>A | 0 | 0 | 0 | 0 |
| 43 | 10 | 1.04E+08 | C>T | 0 | 0 | 0 | 0 |
| 44 | 10 | 1.04E+08 | C>G | 0 | 0.3133333333 | 0 | 0.53666667 |
| 45 | 10 | 1.04E+08 | C>A | 0 | 0.4383333333 | 0 | 0 |
| 46 | 10 | 1.04E+08 | C>G | 0 | 0 | 0 | 0 |
| 47 | 10 | 1.04E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 48 | 10 | 1.05E+08 | A>C | 0 | 0 | 0 | 0.55666667 |
| 49 | 10 | 1.05E+08 | T>C | 0 | 0.5 | 0 | 0 |
| 50 | 10 | 1.05E+08 | A>G | 0 | 0.3783333333 | 0 | 0 |
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|----|----|----------|-----|---|--------------|---|------------|
| 1 | | | | | | | |
| 2 | 10 | 1.05E+08 | G>C | 0 | 0 | 0 | 0 |
| 3 | 10 | 1.05E+08 | A>G | 0 | 0 | 0 | 0.32333333 |
| 4 | 10 | 1.05E+08 | T>C | 0 | 0 | 0 | 0 |
| 5 | 10 | 1.05E+08 | C>A | 0 | 0 | 0 | 0 |
| 6 | 10 | 1.05E+08 | T>C | 0 | 0 | 0 | 0.66666667 |
| 7 | 10 | 1.05E+08 | A>C | 0 | 0.4766666667 | 0 | 0 |
| 8 | 10 | 1.05E+08 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 9 | 10 | 1.05E+08 | T>G | 0 | 0.3033333333 | 0 | 0 |
| 10 | 10 | 1.05E+08 | T>C | 0 | 0.53 | 0 | 0 |
| 11 | 10 | 1.05E+08 | T>C | 0 | 0 | 0 | 0 |
| 12 | 10 | 1.05E+08 | C>T | 0 | 0.345 | 0 | 0 |
| 13 | 10 | 1.05E+08 | A>T | 0 | 0 | 0 | 0 |
| 14 | 10 | 1.05E+08 | C>T | 0 | 0 | 0 | 0.41666667 |
| 15 | 10 | 1.05E+08 | A>G | 0 | 0.4666666667 | 0 | 0 |
| 16 | 10 | 1.05E+08 | T>C | 0 | 0 | 0 | 0.85666667 |
| 17 | 10 | 1.05E+08 | C>T | 0 | 0 | 0 | 0.59666667 |
| 18 | 10 | 1.05E+08 | A>G | 0 | 0 | 0 | 0.60666667 |
| 19 | 10 | 1.05E+08 | G>A | 0 | 0 | 0 | 0 |
| 20 | 10 | 1.05E+08 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 21 | 10 | 1.05E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 22 | 10 | 1.06E+08 | C>A | 0 | 0 | 0 | 0.43333333 |
| 23 | 10 | 1.06E+08 | T>C | 0 | 0 | 0 | 0 |
| 24 | 10 | 1.06E+08 | A>G | 0 | 0.3233333333 | 0 | 0 |
| 25 | 10 | 1.06E+08 | C>A | 0 | 0.3033333333 | 0 | 0 |
| 26 | 10 | 1.06E+08 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 27 | 10 | 1.07E+08 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 28 | 10 | 1.07E+08 | G>A | 0 | 0.3916666667 | 0 | 0 |
| 29 | 10 | 1.07E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 30 | 10 | 1.07E+08 | A>T | 0 | 0.5133333333 | 0 | 0 |
| 31 | 10 | 1.07E+08 | G>T | 0 | 0 | 0 | 0 |
| 32 | 10 | 1.07E+08 | C>T | 0 | 0 | 0 | 0 |
| 33 | 10 | 1.07E+08 | G>A | 0 | 0 | 0 | 0 |
| 34 | 10 | 1.07E+08 | C>T | 0 | 0 | 0 | 0 |
| 35 | 10 | 1.07E+08 | G>A | 0 | 0 | 0 | 0 |
| 36 | 10 | 1.08E+08 | A>G | 0 | 0 | 0 | 0 |
| 37 | 10 | 1.08E+08 | A>T | 0 | 0.3333333333 | 0 | 0 |
| 38 | 10 | 1.09E+08 | G>C | 0 | 0 | 0 | 0.47666667 |
| 39 | 10 | 1.09E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 40 | 10 | 1.09E+08 | A>G | 0 | 0.5883333333 | 0 | 0 |
| 41 | 10 | 1.09E+08 | G>C | 0 | 0.4766666667 | 0 | 0.37 |
| 42 | 10 | 1.12E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 43 | 10 | 1.12E+08 | G>A | 0 | 0 | 0 | 0.39333333 |
| 44 | 10 | 1.12E+08 | T>C | 0 | 0 | 0 | 0.45333333 |
| 45 | 10 | 1.12E+08 | T>C | 0 | 0 | 0 | 0.43333333 |
| 46 | 10 | 1.12E+08 | T>C | 0 | 0 | 0 | 0 |
| 47 | 10 | 1.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 48 | 10 | 1.12E+08 | C>T | 0 | 0 | 0 | 0 |
| 49 | 10 | 1.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 50 | 10 | 1.12E+08 | C>T | 0 | 0 | 0 | 0 |
| 51 | 10 | 1.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 52 | 10 | 1.12E+08 | C>T | 0 | 0 | 0 | 0 |
| 53 | 10 | 1.12E+08 | C>T | 0 | 0 | 0 | 0 |
| 54 | 10 | 1.13E+08 | A>G | 0 | 0.3783333333 | 0 | 0 |
| 55 | 10 | 1.14E+08 | T>C | 0 | 0.3333333333 | 0 | 0.42333333 |
| 56 | 10 | 1.14E+08 | G>T | 0 | 0 | 0 | 0.38 |
| 57 | 10 | 1.14E+08 | C>T | 0 | 0 | 0 | 0.37 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 10 | 1.14E+08 | C>A | 0 | 0 | 0 | 0 |
| 3 | 10 | 1.14E+08 | C>T | 0 | 0.971666667 | 0 | 0.5866667 |
| 4 | 10 | 1.14E+08 | G>C | 0 | 0.445 | 0 | 0 |
| 5 | 10 | 1.14E+08 | C>T | 0 | 0.606666667 | 0 | 0 |
| 6 | 10 | 1.14E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | 10 | 1.14E+08 | G>A | 0 | 0 | 0 | 0 |
| 8 | 10 | 1.14E+08 | A>G | 0 | 0 | 0 | 0 |
| 9 | 10 | 1.15E+08 | G>C | 0 | 0 | 0 | 0 |
| 10 | 10 | 1.15E+08 | C>T | 0 | 0 | 0 | 0 |
| 11 | 10 | 1.15E+08 | A>C | 0 | 0 | 0 | 0 |
| 12 | 10 | 1.15E+08 | G>A | 0 | 0 | 0 | 0 |
| 13 | 10 | 1.15E+08 | C>G | 0 | 0.463333333 | 0 | 0.6466667 |
| 14 | 10 | 1.15E+08 | A>G | 0 | 0 | 0.385 | 0 |
| 15 | 10 | 1.15E+08 | C>T | 0 | 0 | 0 | 0 |
| 16 | 10 | 1.15E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 17 | 10 | 1.16E+08 | C>T | 0 | 0.455 | 0 | 0 |
| 18 | 10 | 1.16E+08 | G>T | 0 | 0.455 | 0 | 0.69 |
| 19 | 10 | 1.16E+08 | G>C | 0 | 0 | 0 | 0 |
| 20 | 10 | 1.16E+08 | A>T | 0 | 0 | 0 | 0.6466667 |
| 21 | 10 | 1.16E+08 | A>G | 0 | 0.533333333 | 0 | 0.3433333 |
| 22 | 10 | 1.16E+08 | A>T | 0 | 0 | 0 | 0 |
| 23 | 10 | 1.16E+08 | A>G | 0 | 0.486666667 | 0 | 0 |
| 24 | 10 | 1.16E+08 | A>G | 0 | 0 | 0 | 0.5 |
| 25 | 10 | 1.17E+08 | C>A | 0 | 0.455 | 0 | 0 |
| 26 | 10 | 1.17E+08 | G>A | 0 | 0.323333333 | 0 | 0 |
| 27 | 10 | 1.17E+08 | T>C | 0 | 0.391666667 | 0 | 0 |
| 28 | 10 | 1.17E+08 | T>C | 0 | 0 | 0 | 0 |
| 29 | 10 | 1.17E+08 | A>C | 0 | 0.333333333 | 0 | 0 |
| 30 | 10 | 1.17E+08 | C>A | 0 | 0.666666667 | 0 | 0 |
| 31 | 10 | 1.17E+08 | A>G | 0 | 0 | 0 | 0.44 |
| 32 | 10 | 1.17E+08 | G>A | 0 | 0.463333333 | 0 | 0 |
| 33 | 10 | 1.17E+08 | A>T | 0 | 0.351666667 | 0 | 0 |
| 34 | 10 | 1.17E+08 | T>C | 0 | 0.833333333 | 0 | 0 |
| 35 | 10 | 1.17E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 36 | 10 | 1.17E+08 | C>T | 0 | 0 | 0 | 0 |
| 37 | 10 | 1.17E+08 | A>T | 0 | 0 | 0.333333333 | 0 |
| 38 | 10 | 1.18E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 10 | 1.18E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 40 | 10 | 1.18E+08 | A>G | 0 | 0 | 0 | 0.3333333 |
| 41 | 10 | 1.18E+08 | G>T | 0 | 0.463333333 | 0 | 0 |
| 42 | 10 | 1.18E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 43 | 10 | 1.18E+08 | A>G | 0 | 0 | 0 | 0 |
| 44 | 10 | 1.18E+08 | G>T | 0 | 0 | 0 | 0 |
| 45 | 10 | 1.18E+08 | T>C | 0 | 0 | 0 | 0 |
| 46 | 10 | 1.18E+08 | A>G | 0 | 0.391666667 | 0 | 0 |
| 47 | 10 | 1.19E+08 | C>A | 0 | 0 | 0 | 0 |
| 48 | 10 | 1.19E+08 | A>G | 0 | 0.53 | 0 | 0 |
| 49 | 10 | 1.19E+08 | C>T | 0 | 0.555 | 0 | 0 |
| 50 | 10 | 1.19E+08 | A>G | 0 | 0.555 | 0 | 0 |
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|----|----|----------|-----|---|--------------|---|------------|
| 1 | 10 | 1.2E+08 | C>G | 0 | 0 | 0 | 0 |
| 2 | 10 | 1.2E+08 | C>T | 0 | 0.9083333333 | 0 | 0.53333333 |
| 3 | 10 | 1.2E+08 | T>C | 0 | 0 | 0 | 0 |
| 4 | 10 | 1.2E+08 | G>A | 0 | 0 | 0 | 0.46 |
| 5 | 10 | 1.21E+08 | A>G | 0 | 0 | 0 | 0 |
| 6 | 10 | 1.21E+08 | A>G | 0 | 0 | 0 | 0 |
| 7 | 10 | 1.21E+08 | A>G | 0 | 0 | 0 | 0 |
| 8 | 10 | 1.21E+08 | C>G | 0 | 0.37 | 0 | 0 |
| 9 | 10 | 1.21E+08 | T>C | 0 | 0 | 0 | 0 |
| 10 | 10 | 1.21E+08 | A>G | 0 | 0 | 0 | 0.83333333 |
| 11 | 10 | 1.21E+08 | C>T | 0 | 0.3033333333 | 0 | 0 |
| 12 | 10 | 1.21E+08 | T>C | 0 | 0.4633333333 | 0 | 0 |
| 13 | 10 | 1.21E+08 | T>C | 0 | 0 | 0 | 0.31 |
| 14 | 10 | 1.21E+08 | C>T | 0 | 0.6066666667 | 0 | 0 |
| 15 | 10 | 1.22E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 16 | 10 | 1.23E+08 | A>T | 0 | 0.4316666667 | 0 | 0 |
| 17 | 10 | 1.23E+08 | T>G | 0 | 0 | 0 | 0 |
| 18 | 10 | 1.23E+08 | G>A | 0 | 0 | 0 | 0 |
| 19 | 10 | 1.23E+08 | T>C | 0 | 0.49 | 0 | 0 |
| 20 | 10 | 1.24E+08 | T>C | 0 | 0.5266666667 | 0 | 0 |
| 21 | 10 | 1.24E+08 | C>T | 0 | 0.4 | 0 | 0 |
| 22 | 10 | 1.24E+08 | C>T | 0 | 0 | 0 | 0 |
| 23 | 10 | 1.24E+08 | A>G | 0 | 0 | 0 | 0 |
| 24 | 10 | 1.24E+08 | G>A | 0 | 0.4166666667 | 0 | 0 |
| 25 | 10 | 1.24E+08 | T>C | 0 | 0.3233333333 | 0 | 0 |
| 26 | 10 | 1.24E+08 | C>T | 0 | 0.3166666667 | 0 | 0 |
| 27 | 10 | 1.24E+08 | A>G | 0 | 0.3166666667 | 0 | 0 |
| 28 | 10 | 1.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 29 | 10 | 1.25E+08 | A>T | 0 | 0.3233333333 | 0 | 0.66666667 |
| 30 | 10 | 1.25E+08 | T>G | 0 | 0 | 0 | 0 |
| 31 | 10 | 1.26E+08 | A>G | 0 | 0.9083333333 | 0 | 0 |
| 32 | 10 | 1.26E+08 | A>G | 0 | 0.4383333333 | 0 | 0.46333333 |
| 33 | 10 | 1.26E+08 | C>T | 0 | 0 | 0 | 0.72333333 |
| 34 | 10 | 1.26E+08 | A>G | 0 | 0.49 | 0 | 0 |
| 35 | 10 | 1.26E+08 | A>G | 0 | 0.3566666667 | 0 | 0 |
| 36 | 10 | 1.26E+08 | A>C | 0 | 0.5133333333 | 0 | 0 |
| 37 | 10 | 1.27E+08 | T>C | 0 | 0.3133333333 | 0 | 0 |
| 38 | 10 | 1.27E+08 | T>C | 0 | 0 | 0 | 0.5 |
| 39 | 10 | 1.28E+08 | A>T | 0 | 0.555 | 0 | 0 |
| 40 | 10 | 1.28E+08 | C>T | 0 | 0.4766666667 | 0 | 0.33333333 |
| 41 | 10 | 1.28E+08 | T>C | 0 | 0.4016666667 | 0 | 0 |
| 42 | 10 | 1.28E+08 | T>A | 0 | 0.555 | 0 | 0 |
| 43 | 10 | 1.28E+08 | G>T | 0 | 0 | 0 | 0.60666667 |
| 44 | 10 | 1.29E+08 | A>T | 0 | 0.445 | 0 | 0 |
| 45 | 10 | 1.29E+08 | A>G | 0 | 0 | 0 | 0 |
| 46 | 10 | 1.29E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 47 | 10 | 1.29E+08 | G>A | 0 | 0 | 0 | 0 |
| 48 | 10 | 1.3E+08 | T>C | 0 | 0 | 0 | 0 |
| 49 | 10 | 1.3E+08 | G>A | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 10 | 1.3E+08 | C>T | 0 | 0 | 0.306666667 | 0 |
| 3 | 10 | 1.32E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 10 | 1.32E+08 | A>C | 0 | 0 | 0 | 0 |
| 5 | 10 | 1.32E+08 | G>A | 0 | 0 | 0 | 0 |
| 6 | 10 | 1.32E+08 | G>T | 0 | 0 | 0 | 0 |
| 7 | 10 | 1.32E+08 | G>A | 0 | 0 | 0 | 0 |
| 8 | 10 | 1.32E+08 | C>T | 0 | 0 | 0 | 0 |
| 9 | 10 | 1.32E+08 | G>A | 0 | 0 | 0 | 0 |
| 10 | 10 | 1.32E+08 | G>A | 0 | 0 | 0 | 0 |
| 11 | 10 | 1.33E+08 | G>A | 0 | 0 | 0 | 0 |
| 12 | 10 | 1.33E+08 | C>T | 0 | 0.77 | 0 | 0.93 |
| 13 | 10 | 1.33E+08 | A>G | 0 | 0 | 0 | 0.44333333 |
| 14 | 10 | 1.33E+08 | G>C | 0 | 0.391666667 | 0 | 0 |
| 15 | 10 | 1.34E+08 | T>C | 0 | 0.323333333 | 0 | 0 |
| 16 | 10 | 1.34E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 17 | 10 | 1.34E+08 | G>A | 0 | 0 | 0 | 0 |
| 18 | 10 | 1.35E+08 | G>A | 0 | 0 | 0 | 0 |
| 19 | 10 | 1.35E+08 | G>T | 0 | 0.351666667 | 0 | 0 |
| 20 | 10 | 1.35E+08 | T>G | 0 | 0 | 0 | 0 |
| 21 | 11 | 500919 | G>A | 0 | 0.313333333 | 0 | 0 |
| 22 | 11 | 604652 | T>C | 0 | 0 | 0 | 0 |
| 23 | 11 | 678116 | G>A | 0 | 0 | 0 | 0 |
| 24 | 11 | 773632 | G>A | 0 | 0 | 0 | 0 |
| 25 | 11 | 934337 | A>C | 0 | 0.513333333 | 0 | 0.3166667 |
| 26 | 11 | 939536 | T>C | 0 | 0.32 | 0 | 0.3266667 |
| 27 | 11 | 946484 | G>A | 0 | 0 | 0 | 0 |
| 28 | 11 | 974922 | T>C | 0 | 0 | 0 | 0 |
| 29 | 11 | 2409319 | G>C | 0 | 0.391666667 | 0 | 0 |
| 30 | 11 | 2515268 | T>A | 0 | 0.833333333 | 0 | 0 |
| 31 | 11 | 2515308 | T>G | 0 | 0.521666667 | 0 | 0 |
| 32 | 11 | 2568641 | A>T | 0 | 0.641666667 | 0 | 0 |
| 33 | 11 | 2575042 | C>T | 0 | 0.435 | 0 | 0 |
| 34 | 11 | 2655776 | G>A | 0 | 0 | 0 | 0 |
| 35 | 11 | 2998588 | G>T | 0 | 0.666666667 | 0 | 0 |
| 36 | 11 | 3069145 | C>T | 0 | 0 | 0 | 0 |
| 37 | 11 | 3122435 | T>C | 0 | 0 | 0 | 0 |
| 38 | 11 | 3125416 | C>A | 0 | 0.5 | 0 | 0 |
| 39 | 11 | 3782881 | C>T | 0 | 0 | 0 | 0 |
| 40 | 11 | 3815589 | C>T | 0 | 0.445 | 0 | 0 |
| 41 | 11 | 3907782 | G>T | 0 | 0 | 0 | 0 |
| 42 | 11 | 3908948 | T>C | 0 | 0.513333333 | 0 | 0 |
| 43 | 11 | 3953708 | G>C | 0 | 0 | 0 | 0 |
| 44 | 11 | 4025073 | T>C | 0 | 0 | 0 | 0 |
| 45 | 11 | 4051388 | G>A | 0 | 0 | 0 | 0.4766667 |
| 46 | 11 | 4055019 | C>T | 0 | 0 | 0 | 0 |
| 47 | 11 | 4074003 | G>A | 0 | 0.455 | 0 | 0 |
| 48 | 11 | 4812702 | C>G | 0 | 0.666666667 | 0 | 0 |
| 49 | 11 | 4876794 | A>G | 0 | 0.333333333 | 0.416666667 | 0 |
| 50 | 11 | 4985595 | A>G | 0 | 0 | 0 | 0 |
| 51 | 11 | 5283648 | T>C | 0 | 0.333333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 11 | 5284373 | C>T | 0 | 0.396666667 | 0 | 0.4266667 |
| 3 | 11 | 5351718 | T>A | 0 | 0 | 0 | 0.7066667 |
| 4 | 11 | 5397638 | T>G | 0 | 0 | 0 | 0 |
| 5 | 11 | 5399222 | T>C | 0 | 0 | 0 | 0.37 |
| 6 | 11 | 5569076 | T>C | 0 | 0 | 0 | 0.4533333 |
| 7 | 11 | 5605840 | C>A | 0 | 0.361666667 | 0.455 | 0 |
| 8 | 11 | 5643504 | C>T | 0 | 0 | 0 | 0.6066667 |
| 9 | 11 | 5703408 | C>T | 0 | 0 | 0 | 0 |
| 10 | 11 | 6150507 | A>G | 0 | 0 | 0 | 0 |
| 11 | 11 | 6191154 | T>C | 0 | 0 | 0 | 0 |
| 12 | 11 | 6232210 | G>C | 0 | 0 | 0 | 0 |
| 13 | 11 | 6438233 | T>C | 0 | 0.391666667 | 0 | 0.4033333 |
| 14 | 11 | 6454489 | A>C | 0 | 0.4 | 0 | 0 |
| 15 | 11 | 6632964 | G>T | 0 | 0 | 0 | 0 |
| 16 | 11 | 6645454 | A>G | 0 | 0 | 0 | 0 |
| 17 | 11 | 6965379 | C>T | 0 | 0.378333333 | 0 | 0.6366667 |
| 18 | 11 | 7088200 | T>C | 0 | 0.416666667 | 0 | 0 |
| 19 | 11 | 7331913 | G>A | 0 | 0.356666667 | 0 | 0 |
| 20 | 11 | 7390797 | C>T | 0 | 0 | 0 | 0.4166667 |
| 21 | 11 | 7396965 | T>A | 0 | 0.385 | 0 | 0 |
| 22 | 11 | 7594172 | G>A | 0 | 0.316666667 | 0 | 0 |
| 23 | 11 | 7623127 | A>C | 0 | 0 | 0 | 0.6666667 |
| 24 | 11 | 7636319 | T>C | 0 | 0 | 0 | 0.6466667 |
| 25 | 11 | 7638375 | G>A | 0 | 0 | 0 | 0 |
| 26 | 11 | 8155644 | C>T | 0 | 0.445 | 0 | 0 |
| 27 | 11 | 8156466 | C>A | 0 | 0.333333333 | 0 | 0 |
| 28 | 11 | 8421827 | C>T | 0 | 0 | 0 | 0 |
| 29 | 11 | 8421828 | C>G | 0 | 0 | 0 | 0 |
| 30 | 11 | 8421879 | C>T | 0 | 0 | 0 | 0.3333333 |
| 31 | 11 | 8422747 | G>A | 0 | 0.513333333 | 0 | 0 |
| 32 | 11 | 8467268 | A>G | 0 | 0 | 0 | 0 |
| 33 | 11 | 8730667 | G>A | 0 | 0 | 0 | 0 |
| 34 | 11 | 8903113 | C>T | 0 | 0.303333333 | 0 | 0 |
| 35 | 11 | 8913683 | G>T | 0 | 0 | 0 | 0 |
| 36 | 11 | 8915732 | T>G | 0 | 0 | 0 | 0 |
| 37 | 11 | 8918552 | A>G | 0 | 0.351666667 | 0 | 0 |
| 38 | 11 | 8953109 | A>G | 0 | 0 | 0 | 0.3333333 |
| 39 | 11 | 8981861 | A>G | 0 | 0.595 | 0 | 0 |
| 40 | 11 | 9074669 | T>C | 0 | 0 | 0 | 0 |
| 41 | 11 | 9106325 | T>C | 0 | 0 | 0 | 0 |
| 42 | 11 | 9205695 | A>C | 0 | 0.313333333 | 0 | 0 |
| 43 | 11 | 9243478 | A>G | 0 | 0.351666667 | 0 | 0 |
| 44 | 11 | 9261709 | T>C | 0 | 0.378333333 | 0 | 0 |
| 45 | 11 | 9283079 | T>C | 0 | 0 | 0 | 0.6066667 |
| 46 | 11 | 9447239 | A>G | 0 | 0.37 | 0 | 0 |
| 47 | 11 | 9448479 | G>A | 0 | 0 | 0 | 0 |
| 48 | 11 | 9527155 | T>C | 0 | 0.391666667 | 0 | 0 |
| 49 | 11 | 9542261 | G>A | 0 | 0.351666667 | 0 | 0 |
| 50 | 11 | 9547431 | A>G | 0 | 0.313333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 11 | 9808716 | T>C | 0 | 0 | 0 | 0.73 |
| 3 | 11 | 9815609 | G>A | 0 | 0 | 0 | 0 |
| 4 | 11 | 9839719 | C>T | 0 | 0.555 | 0 | 0.31333333 |
| 5 | 11 | 9899873 | C>T | 0 | 0 | 0 | 0.5 |
| 6 | 11 | 9904200 | T>A | 0 | 0.3333333333 | 0 | 0 |
| 7 | 11 | 9913895 | G>A | 0 | 0 | 0 | 0.86333333 |
| 8 | 11 | 9946082 | A>G | 0 | 0.3133333333 | 0 | 0 |
| 9 | 11 | 9954670 | G>T | 0 | 0.625 | 0 | 0.38333333 |
| 10 | 11 | 9957067 | G>C | 0 | 0 | 0 | 0 |
| 11 | 11 | 9957194 | T>A | 0 | 0 | 0.3616666667 | 0 |
| 12 | 11 | 10030980 | T>C | 0 | 0 | 0 | 0 |
| 13 | 11 | 10211646 | C>A | 0 | 0.555 | 0 | 0 |
| 14 | 11 | 10259927 | G>A | 0 | 0.49 | 0 | 0 |
| 15 | 11 | 10489337 | A>G | 0 | 0 | 0 | 0.53666667 |
| 16 | 11 | 10515037 | G>A | 0 | 0 | 0 | 0 |
| 17 | 11 | 10611054 | A>T | 0 | 0.4266666667 | 0 | 0 |
| 18 | 11 | 10636307 | T>C | 0 | 0.37 | 0 | 0 |
| 19 | 11 | 10660555 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 20 | 11 | 11397894 | C>A | 0 | 0.37 | 0 | 0 |
| 21 | 11 | 11545083 | A>G | 0 | 0 | 0 | 0 |
| 22 | 11 | 11896321 | A>G | 0 | 0 | 0 | 0.33333333 |
| 23 | 11 | 11960605 | G>A | 0 | 0.5 | 0 | 0 |
| 24 | 11 | 12356664 | T>G | 0 | 0.3033333333 | 0 | 0 |
| 25 | 11 | 12359907 | A>G | 0 | 0.4 | 0 | 0.58 |
| 26 | 11 | 12544196 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 27 | 11 | 13348646 | T>C | 0 | 0.3516666667 | 0 | 0 |
| 28 | 11 | 13419366 | A>C | 0 | 0 | 0 | 0.57333333 |
| 29 | 11 | 14009167 | T>C | 0 | 0 | 0 | 0.95333333 |
| 30 | 11 | 14009178 | T>C | 0 | 0.74 | 0 | 0.51333333 |
| 31 | 11 | 14010617 | A>G | 0 | 0.37 | 0 | 0 |
| 32 | 11 | 14011634 | G>T | 0 | 0.3916666667 | 0 | 0 |
| 33 | 11 | 14108409 | A>G | 0 | 0 | 0 | 0.33333333 |
| 34 | 11 | 14112935 | T>A | 0 | 0 | 0 | 0 |
| 35 | 11 | 14192098 | T>G | 0 | 0 | 0 | 0 |
| 36 | 11 | 14194772 | A>G | 0 | 0 | 0 | 0.63333333 |
| 37 | 11 | 14199734 | T>C | 0 | 0.6416666667 | 0 | 0.55666667 |
| 38 | 11 | 14227923 | A>G | 0 | 0 | 0 | 0 |
| 39 | 11 | 14231465 | T>C | 0 | 0 | 0 | 0.55666667 |
| 40 | 11 | 14232641 | A>T | 0 | 0 | 0 | 0 |
| 41 | 11 | 14232958 | A>C | 0 | 0 | 0 | 0.53333333 |
| 42 | 11 | 14244653 | A>G | 0 | 0 | 0 | 0.63333333 |
| 43 | 11 | 14302087 | T>C | 0 | 0 | 0 | 0 |
| 44 | 11 | 14506030 | T>C | 0 | 0 | 0 | 0.46666667 |
| 45 | 11 | 14556356 | G>A | 0 | 0 | 0 | 0 |
| 46 | 11 | 14564527 | G>A | 0 | 0.6066666667 | 0 | 0 |
| 47 | 11 | 14618025 | G>C | 0 | 0 | 0 | 0 |
| 48 | 11 | 14618642 | A>C | 0 | 0.6666666667 | 0 | 0.31666667 |
| 49 | 11 | 14646878 | T>C | 0 | 0 | 0 | 0.44333333 |
| 50 | 11 | 14687474 | G>A | 0 | 0 | 0 | 0.89 |
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| 1 | | | | | | | |
| 2 | 11 | 14742820 | G>A | 0 | 0.313333333 | 0 | 0 |
| 3 | 11 | 14760558 | A>G | 0 | 0.476666667 | 0 | 0.44 |
| 4 | 11 | 14763829 | G>A | 0 | 0 | 0 | 0 |
| 5 | 11 | 14800660 | A>G | 0 | 0 | 0 | 0 |
| 6 | 11 | 14802852 | G>C | 0 | 0 | 0.37 | 0 |
| 7 | 11 | 14802870 | G>T | 0 | 0 | 0 | 0 |
| 8 | 11 | 14804296 | G>A | 0 | 0.308333333 | 0 | 0 |
| 9 | 11 | 16019425 | A>G | 0 | 0 | 0 | 0.47666667 |
| 10 | 11 | 16103815 | A>G | 0 | 0 | 0 | 0 |
| 11 | 11 | 16167519 | C>A | 0 | 0 | 0 | 0.6066667 |
| 12 | 11 | 16174538 | C>G | 0 | 0 | 0 | 0.31333333 |
| 13 | 11 | 16773003 | C>T | 0 | 0.476666667 | 0 | 0 |
| 14 | 11 | 16773004 | A>G | 0 | 0.476666667 | 0 | 0 |
| 15 | 11 | 16840864 | T>C | 0 | 0.351666667 | 0 | 0 |
| 16 | 11 | 16840865 | G>A | 0 | 0 | 0 | 0 |
| 17 | 11 | 16953041 | G>A | 0 | 0.351666667 | 0 | 0 |
| 18 | 11 | 16957704 | C>T | 0 | 0 | 0 | 0.32333333 |
| 19 | 11 | 17026025 | T>C | 0 | 0 | 0 | 0 |
| 20 | 11 | 17151374 | G>A | 0 | 0 | 0 | 0.33333333 |
| 21 | 11 | 17178834 | T>C | 0 | 0 | 0 | 0.4266667 |
| 22 | 11 | 17310717 | T>C | 0 | 0 | 0 | 0 |
| 23 | 11 | 17426583 | G>A | 0 | 0 | 0 | 0.7466667 |
| 24 | 11 | 17653464 | C>A | 0 | 0 | 0 | 0 |
| 25 | 11 | 17961102 | C>T | 0 | 0.606666667 | 0 | 0 |
| 26 | 11 | 18145276 | G>T | 0 | 0 | 0 | 0 |
| 27 | 11 | 18145607 | T>G | 0 | 0.403333333 | 0.333333333 | 0.35 |
| 28 | 11 | 18147320 | A>G | 0 | 0.445 | 0 | 0 |
| 29 | 11 | 18147336 | A>G | 0 | 0.416666667 | 0.53 | 0.39333333 |
| 30 | 11 | 18182007 | C>A | 0 | 0.441666667 | 0 | 0 |
| 31 | 11 | 18182239 | G>C | 0 | 0 | 0 | 0.61333333 |
| 32 | 11 | 18355697 | T>C | 0 | 0 | 0.345 | 0 |
| 33 | 11 | 18377779 | A>G | 0 | 0 | 0 | 0 |
| 34 | 11 | 18449432 | T>C | 0 | 0.316666667 | 0 | 0.44333333 |
| 35 | 11 | 18458322 | T>C | 0 | 0.555 | 0 | 0 |
| 36 | 11 | 18560080 | A>G | 0 | 0.613333333 | 0 | 0 |
| 37 | 11 | 18740736 | G>A | 0 | 0 | 0 | 0 |
| 38 | 11 | 18808007 | T>C | 0 | 0.403333333 | 0 | 0.3566667 |
| 39 | 11 | 19209680 | C>T | 0 | 0 | 0 | 0 |
| 40 | 11 | 19846768 | A>G | 0 | 0 | 0 | 0 |
| 41 | 11 | 20012941 | T>G | 0 | 0 | 0 | 0.6066667 |
| 42 | 11 | 20027555 | A>G | 0 | 0.323333333 | 0 | 0.58 |
| 43 | 11 | 20038500 | T>C | 0 | 0.438333333 | 0 | 0.34333333 |
| 44 | 11 | 20094295 | C>T | 0 | 0 | 0 | 0 |
| 45 | 11 | 20094448 | G>C | 0 | 0.333333333 | 0 | 0 |
| 46 | 11 | 20094585 | C>T | 0 | 0 | 0 | 0.69 |
| 47 | 11 | 20773850 | G>C | 0 | 0.396666667 | 0.333333333 | 0.5566667 |
| 48 | 11 | 20898106 | T>C | 0 | 0.493333333 | 0 | 0 |
| 49 | 11 | 21082357 | C>T | 0 | 0.316666667 | 0 | 0 |
| 50 | 11 | 21296332 | T>C | 0 | 0.378333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 11 | 21297361 | G>A | 0 | 0.476666667 | 0 | 0 |
| 3 | 11 | 21297790 | T>C | 0 | 0 | 0 | 0 |
| 4 | 11 | 21361799 | T>C | 0 | 0.356666667 | 0 | 0 |
| 5 | 11 | 21398725 | A>G | 0 | 0.333333333 | 0 | 0 |
| 6 | 11 | 21512884 | G>A | 0 | 0.333333333 | 0 | 0 |
| 7 | 11 | 24602952 | T>C | 0 | 0.313333333 | 0.385 | 0.44333333 |
| 8 | 11 | 24679745 | C>A | 0 | 0 | 0 | 1 |
| 9 | 11 | 24702729 | T>G | 0 | 0.513333333 | 0 | 0 |
| 10 | 11 | 24856905 | A>G | 0 | 0 | 0.5 | 0.5566667 |
| 11 | 11 | 24870788 | A>T | 0 | 0 | 0 | 0.3166667 |
| 12 | 11 | 25031839 | A>C | 0 | 0 | 0.303333333 | 0.5866667 |
| 13 | 11 | 25045728 | A>G | 0 | 0 | 0 | 0.3033333 |
| 14 | 11 | 25046136 | A>G | 0 | 0 | 0 | 0.7133333 |
| 15 | 11 | 26388584 | C>A | 0 | 0 | 0 | 0 |
| 16 | 11 | 26527286 | A>G | 0 | 0.455 | 0 | 0 |
| 17 | 11 | 26665057 | T>C | 0 | 0 | 0 | 0 |
| 18 | 11 | 27066814 | C>T | 0 | 0 | 0 | 0 |
| 19 | 11 | 27095194 | T>G | 0 | 0.308333333 | 0 | 0 |
| 20 | 11 | 27137616 | T>C | 0 | 0 | 0 | 0.7066667 |
| 21 | 11 | 27450830 | A>G | 0 | 0.666666667 | 0 | 0 |
| 22 | 11 | 27467968 | G>A | 0 | 0 | 0 | 0 |
| 23 | 11 | 27690864 | G>A | 0 | 0 | 0 | 0 |
| 24 | 11 | 27691577 | A>C | 0 | 0 | 0 | 0 |
| 25 | 11 | 27691588 | G>A | 0 | 0 | 0 | 0 |
| 26 | 11 | 27691654 | C>T | 0 | 0 | 0 | 0 |
| 27 | 11 | 27705384 | C>T | 0 | 0 | 0 | 0 |
| 28 | 11 | 27705385 | A>G | 0 | 0 | 0 | 0 |
| 29 | 11 | 28049870 | T>A | 0 | 0 | 0 | 0 |
| 30 | 11 | 28109183 | G>A | 0 | 0 | 0 | 0 |
| 31 | 11 | 28109293 | T>C | 0 | 0.49 | 0 | 0 |
| 32 | 11 | 28203878 | T>A | 0 | 0.303333333 | 0 | 0 |
| 33 | 11 | 28204495 | T>G | 0 | 0.333333333 | 0 | 0 |
| 34 | 11 | 28235438 | A>G | 0 | 0 | 0 | 0.3466667 |
| 35 | 11 | 28239944 | T>C | 0 | 0 | 0 | 0 |
| 36 | 11 | 30970162 | T>C | 0 | 0 | 0 | 0.6466667 |
| 37 | 11 | 31353348 | C>T | 0 | 0 | 0 | 0.5566667 |
| 38 | 11 | 31365061 | T>C | 0 | 0.345 | 0 | 0 |
| 39 | 11 | 31380434 | T>C | 0 | 0 | 0 | 0 |
| 40 | 11 | 31422453 | T>C | 0 | 0 | 0 | 0.74 |
| 41 | 11 | 31429070 | G>A | 0 | 0 | 0 | 0 |
| 42 | 11 | 31677157 | T>A | 0 | 0 | 0 | 0 |
| 43 | 11 | 31688023 | T>C | 0 | 0.455 | 0 | 0 |
| 44 | 11 | 31697088 | T>C | 0 | 0 | 0 | 0.5366667 |
| 45 | 11 | 31703484 | C>T | 0 | 0 | 0 | 0.86 |
| 46 | 11 | 31716576 | C>G | 0 | 0 | 0 | 0 |
| 47 | 11 | 31765155 | T>A | 0 | 0 | 0 | 0 |
| 48 | 11 | 31765172 | G>T | 0 | 0 | 0 | 0 |
| 49 | 11 | 31765203 | C>A | 0 | 0 | 0 | 0 |
| 50 | 11 | 31765879 | T>C | 0 | 0 | 0 | 0.4 |
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| 1 | | | | | | | |
| 2 | 11 | 32688411 | C>T | 0 | 0 | 0 | 0.4266667 |
| 3 | 11 | 32864159 | G>A | 0 | 0 | 0 | 0 |
| 4 | 11 | 33050793 | T>C | 0 | 0 | 0 | 0 |
| 5 | 11 | 33304048 | C>T | 0 | 0 | 0 | 0 |
| 6 | 11 | 33352139 | T>C | 0 | 0.351666667 | 0 | 0 |
| 7 | 11 | 33364936 | A>C | 0 | 0 | 0 | 0 |
| 8 | 11 | 33368531 | G>T | 0 | 0.666666667 | 0 | 0 |
| 9 | 11 | 33747752 | T>C | 0 | 0.316666667 | 0 | 0 |
| 10 | 11 | 33750286 | A>C | 0 | 0 | 0 | 0 |
| 11 | 11 | 33909387 | A>C | 0 | 0 | 0 | 0.3333333 |
| 12 | 11 | 34136497 | T>C | 0 | 0 | 0 | 0.5866667 |
| 13 | 11 | 34200179 | A>G | 0 | 0 | 0 | 0 |
| 14 | 11 | 34343929 | T>C | 0 | 0 | 0 | 0.4 |
| 15 | 11 | 34379169 | A>T | 0 | 0 | 0 | 0 |
| 16 | 11 | 34917648 | T>C | 0 | 0.391666667 | 0 | 0.3566667 |
| 17 | 11 | 34972976 | C>T | 0 | 0.555 | 0 | 0 |
| 18 | 11 | 35172991 | G>A | 0 | 0.5 | 0 | 0 |
| 19 | 11 | 35250822 | T>G | 0 | 0 | 0 | 0 |
| 20 | 11 | 35482238 | C>T | 0 | 0.316666667 | 0 | 0 |
| 21 | 11 | 35482317 | G>A | 0 | 0.333333333 | 0 | 0 |
| 22 | 11 | 35719602 | G>A | 0 | 0.466666667 | 0 | 0 |
| 23 | 11 | 35721507 | G>C | 0 | 0.5 | 0 | 0.5333333 |
| 24 | 11 | 35726776 | T>C | 0 | 0.416666667 | 0 | 0 |
| 25 | 11 | 35778327 | G>T | 0 | 0.5 | 0 | 0.4433333 |
| 26 | 11 | 35779161 | T>C | 0 | 0.356666667 | 0 | 0 |
| 27 | 11 | 35779288 | T>C | 0 | 0 | 0 | 0 |
| 28 | 11 | 35799319 | T>G | 0 | 0 | 0.333333333 | 0.3033333 |
| 29 | 11 | 36226147 | G>C | 0 | 0.641666667 | 0 | 0 |
| 30 | 11 | 36446492 | T>C | 0 | 0.416666667 | 0 | 0.54 |
| 31 | 11 | 36674097 | T>C | 0 | 0 | 0 | 0.5266667 |
| 32 | 11 | 40272087 | T>C | 0 | 0.4 | 0 | 0 |
| 33 | 11 | 40283545 | T>C | 0 | 0 | 0 | 0.6333333 |
| 34 | 11 | 43427410 | T>A | 0 | 0 | 0 | 0 |
| 35 | 11 | 43452644 | T>A | 0 | 0 | 0 | 0.3533333 |
| 36 | 11 | 43452645 | T>C | 0 | 0 | 0 | 0.3533333 |
| 37 | 11 | 43453023 | C>T | 0 | 0.303333333 | 0.435 | 0 |
| 38 | 11 | 43797975 | G>A | 0 | 0 | 0 | 0 |
| 39 | 11 | 43844331 | A>G | 0 | 0 | 0 | 0 |
| 40 | 11 | 43917925 | C>T | 0 | 0.333333333 | 0 | 0 |
| 41 | 11 | 44079488 | A>T | 0 | 0.345 | 0 | 0.4633333 |
| 42 | 11 | 44136845 | C>T | 0 | 0.555 | 0 | 0 |
| 43 | 11 | 44139418 | C>T | 0 | 0.351666667 | 0 | 0 |
| 44 | 11 | 45933802 | A>C | 0 | 0.445 | 0 | 0.6966667 |
| 45 | 11 | 45962027 | G>A | 0 | 0 | 0 | 0 |
| 46 | 11 | 46335110 | G>A | 0 | 0 | 0 | 0.4766667 |
| 47 | 11 | 46420416 | C>T | 0 | 0.308333333 | 0 | 0 |
| 48 | 11 | 46428540 | A>C | 0 | 0.46 | 0 | 0 |
| 49 | 11 | 46450566 | G>T | 0 | 0 | 0 | 0 |
| 50 | 11 | 46599871 | C>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 11 | 46647979 | G>T | 0 | 0.49 | 0 | 0 |
| 3 | 11 | 46650680 | G>A | 0 | 0.445 | 0 | 0 |
| 4 | 11 | 46674985 | G>A | 0 | 0 | 0 | 0.38 |
| 5 | 11 | 46769462 | T>C | 0 | 0.476666667 | 0 | 0 |
| 6 | 11 | 46771252 | T>C | 0 | 0 | 0 | 0 |
| 7 | | | | | | | |
| 8 | 11 | 46777037 | G>A | 0 | 0.323333333 | 0 | 0 |
| 9 | 11 | 46802704 | C>A | 0 | 0.455 | 0 | 0 |
| 10 | 11 | 46934952 | A>G | 0 | 0 | 0 | 0 |
| 11 | 11 | 46990378 | G>A | 0 | 0 | 0 | 0.5733333 |
| 12 | 11 | 47014117 | T>A | 0 | 0.416666667 | 0 | 0 |
| 13 | 11 | 47014685 | G>T | 0 | 0.346666667 | 0 | 0 |
| 14 | 11 | 47014770 | A>T | 0 | 0 | 0 | 0 |
| 15 | 11 | 47016074 | G>A | 0 | 0 | 0 | 0.64 |
| 16 | 11 | 47029692 | G>A | 0 | 0 | 0 | 0.3133333 |
| 17 | 11 | 47045820 | A>G | 0 | 0.455 | 0 | 0 |
| 18 | 11 | 47098212 | C>T | 0 | 0 | 0 | 0 |
| 19 | | | | | | | |
| 20 | 11 | 47135915 | A>G | 0 | 0.313333333 | 0 | 0 |
| 21 | 11 | 47137469 | G>A | 0 | 0.476666667 | 0 | 0 |
| 22 | 11 | 47137859 | A>G | 0 | 0 | 0 | 0 |
| 23 | 11 | 47191199 | G>A | 0 | 0.493333333 | 0 | 0 |
| 24 | 11 | 47266433 | A>G | 0 | 0 | 0 | 0 |
| 25 | 11 | 47287177 | T>C | 0 | 0.533333333 | 0 | 0.5933333 |
| 26 | 11 | 47315132 | T>G | 0 | 0.37 | 0 | 0.3033333 |
| 27 | 11 | 47321970 | G>C | 0 | 0.641666667 | 0 | 0 |
| 28 | | | | | | | |
| 29 | 11 | 47464518 | G>A | 0 | 0.555 | 0 | 0 |
| 30 | 11 | 47539394 | T>C | 0 | 0.316666667 | 0 | 0.5066667 |
| 31 | 11 | 47643238 | T>C | 0 | 0.32 | 0 | 0 |
| 32 | 11 | 47646706 | T>C | 0 | 0 | 0 | 0.5366667 |
| 33 | 11 | 47662080 | A>G | 0 | 0 | 0 | 0 |
| 34 | 11 | 47700713 | T>C | 0 | 0 | 0 | 0.6666667 |
| 35 | 11 | 47758090 | T>C | 0 | 0 | 0 | 0.52 |
| 36 | 11 | 47802681 | T>A | 0 | 0 | 0 | 0 |
| 37 | 11 | 47835415 | G>A | 0 | 0 | 0 | 0.5866667 |
| 38 | 11 | 47848381 | T>C | 0 | 0 | 0 | 1 |
| 39 | 11 | 48071159 | G>A | 0 | 0.445 | 0 | 0 |
| 40 | 11 | 48084841 | A>C | 0 | 0 | 0 | 0.5566667 |
| 41 | 11 | 48091194 | G>A | 0 | 0 | 0 | 0 |
| 42 | 11 | 48132015 | C>T | 0 | 0.49 | 0 | 0 |
| 43 | 11 | 48161724 | C>T | 0 | 0.635 | 0 | 0 |
| 44 | 11 | 57102556 | C>A | 0 | 0 | 0 | 0 |
| 45 | 11 | 57122945 | G>C | 0 | 0 | 0 | 0 |
| 46 | 11 | 57191433 | C>T | 0 | 0.666666667 | 0 | 0 |
| 47 | 11 | 57278276 | A>C | 0 | 0.385 | 0 | 0 |
| 48 | 11 | 57312527 | T>C | 0 | 0 | 0 | 0.4866667 |
| 49 | 11 | 57455291 | T>G | 0 | 0 | 0 | 0 |
| 50 | 11 | 57512696 | G>A | 0 | 0 | 0 | 0 |
| 51 | 11 | 57842114 | A>G | 0 | 0.333333333 | 0 | 0.6066667 |
| 52 | 11 | 57864451 | G>C | 0 | 0.595 | 0 | 0 |
| 53 | 11 | 57907442 | G>A | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 11 | 57908439 | T>C | 0 | 0.555 | 0 | 0 |
| 3 | 11 | 57929284 | G>A | 0 | 0.476666667 | 0 | 0 |
| 4 | 11 | 58296866 | G>A | 0 | 0.401666667 | 0 | 0 |
| 5 | 11 | 58304700 | T>C | 0 | 0 | 0 | 0 |
| 6 | 11 | 58332943 | A>G | 0 | 0.445 | 0 | 0 |
| 7 | 11 | 58949343 | C>T | 0 | 0 | 0 | 0 |
| 8 | 11 | 59356310 | G>C | 0 | 0.396666667 | 0 | 0 |
| 9 | 11 | 59371993 | A>G | 0 | 0.313333333 | 0 | 0 |
| 10 | 11 | 59541323 | A>G | 0 | 0 | 0 | 0 |
| 11 | 11 | 59858497 | G>A | 0 | 0 | 0 | 0 |
| 12 | 11 | 59943109 | A>T | 0 | 0 | 0 | 0 |
| 13 | 11 | 60542608 | A>G | 0 | 0.37 | 0 | 0.4433333 |
| 14 | 11 | 61054345 | A>G | 0 | 0 | 0 | 0.46 |
| 15 | 11 | 61072795 | G>A | 0 | 0 | 0 | 0.4633333 |
| 16 | 11 | 61135799 | A>G | 0 | 0 | 0 | 0.45 |
| 17 | 11 | 61251702 | G>A | 0 | 0 | 0 | 0.3566667 |
| 18 | 11 | 61339132 | A>G | 0 | 0 | 0 | 0 |
| 19 | 11 | 61655729 | T>A | 0 | 0 | 0 | 0 |
| 20 | 11 | 62327117 | C>T | 0 | 0 | 0 | 0 |
| 21 | 11 | 62327201 | C>T | 0 | 0 | 0 | 0 |
| 22 | 11 | 62332364 | T>C | 0 | 0 | 0 | 0.4766667 |
| 23 | 11 | 62343522 | T>C | 0 | 0 | 0 | 0 |
| 24 | 11 | 62351970 | G>A | 0 | 0 | 0 | 0.74 |
| 25 | 11 | 62399349 | C>A | 0 | 0.583333333 | 0 | 0 |
| 26 | 11 | 62466640 | A>G | 0 | 0.303333333 | 0 | 0 |
| 27 | 11 | 62466641 | T>C | 0 | 0.303333333 | 0 | 0 |
| 28 | 11 | 62483350 | G>A | 0 | 0 | 0 | 0 |
| 29 | 11 | 62530952 | C>G | 0 | 0.388333333 | 0 | 0 |
| 30 | 11 | 62560770 | T>C | 0 | 0 | 0 | 0.5566667 |
| 31 | 11 | 62570665 | T>C | 0 | 0.476666667 | 0 | 0 |
| 32 | 11 | 62580714 | G>C | 0 | 0 | 0 | 0.3933333 |
| 33 | 11 | 62587595 | A>C | 0 | 0 | 0 | 0.4533333 |
| 34 | 11 | 62858000 | T>C | 0 | 0.303333333 | 0 | 0 |
| 35 | 11 | 62859235 | C>T | 0 | 0.416666667 | 0 | 0.5866667 |
| 36 | 11 | 62893262 | T>C | 0 | 0 | 0.365 | 0.4166667 |
| 37 | 11 | 62896651 | T>C | 0 | 0.4 | 0.416666667 | 0 |
| 38 | 11 | 62937310 | T>C | 0 | 0.333333333 | 0 | 0.6266667 |
| 39 | 11 | 62963152 | T>C | 0 | 0.463333333 | 0 | 0 |
| 40 | 11 | 63308040 | A>G | 0 | 0 | 0 | 0 |
| 41 | 11 | 63373248 | T>A | 0 | 0 | 0 | 0 |
| 42 | 11 | 63466705 | G>A | 0 | 0.303333333 | 0 | 0 |
| 43 | 11 | 63495204 | A>T | 0 | 0.378333333 | 0 | 0 |
| 44 | 11 | 63635666 | A>C | 0 | 0.49 | 0 | 0 |
| 45 | 11 | 63756545 | G>A | 0 | 0 | 0 | 0.3833333 |
| 46 | 11 | 63790459 | G>A | 0 | 0.333333333 | 0 | 0 |
| 47 | 11 | 63967308 | C>T | 0 | 0 | 0 | 0.3433333 |
| 48 | 11 | 64024174 | C>T | 0 | 0 | 0 | 0 |
| 49 | 11 | 64054456 | T>C | 0 | 0 | 0 | 0 |
| 50 | 11 | 64066310 | C>T | 0 | 0.37 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 11 | 64087683 | G>A | 0 | 0.356666667 | 0 | 0 |
| 3 | 11 | 64115366 | C>T | 0 | 0.32 | 0 | 0 |
| 4 | 11 | 64431731 | T>C | 0 | 0.37 | 0 | 0 |
| 5 | 11 | 64475364 | A>G | 0 | 0 | 0 | 0.6466667 |
| 6 | 11 | 64532900 | T>C | 0 | 0 | 0 | 0 |
| 7 | 11 | 64557016 | G>C | 0 | 0 | 0 | 0 |
| 8 | 11 | 64641591 | T>C | 0 | 0.5 | 0 | 0 |
| 9 | 11 | 64737907 | T>C | 0 | 0 | 0.378333333 | 0 |
| 10 | 11 | 64759490 | C>T | 0 | 0.555 | 0 | 0 |
| 11 | 11 | 64819918 | A>T | 0 | 0 | 0 | 0.4866667 |
| 12 | 11 | 64847657 | C>T | 0 | 0.351666667 | 0 | 0 |
| 13 | 11 | 64972208 | C>T | 0 | 0.313333333 | 0 | 0 |
| 14 | 11 | 65054131 | A>G | 0 | 0.445 | 0 | 0 |
| 15 | 11 | 65174314 | A>G | 0 | 0 | 0 | 0 |
| 16 | 11 | 65176755 | G>A | 0 | 0.435 | 0 | 0 |
| 17 | 11 | 65369916 | G>A | 0 | 0.486666667 | 0 | 0 |
| 18 | 11 | 65410043 | G>C | 0 | 0 | 0 | 0 |
| 19 | 11 | 65410489 | A>C | 0 | 0 | 0 | 0.6866667 |
| 20 | 11 | 65610506 | T>C | 0 | 0.666666667 | 0 | 0 |
| 21 | 11 | 65688036 | A>G | 0 | 0 | 0 | 0 |
| 22 | 11 | 65812775 | C>A | 0 | 0 | 0 | 0 |
| 23 | 11 | 65885052 | C>T | 0 | 0.388333333 | 0 | 0.62 |
| 24 | 11 | 65889564 | G>A | 0 | 0 | 0 | 0.5366667 |
| 25 | 11 | 65942531 | G>A | 0 | 0 | 0 | 0 |
| 26 | 11 | 66193921 | T>C | 0 | 0 | 0 | 0 |
| 27 | 11 | 66193943 | C>T | 0 | 0 | 0 | 0 |
| 28 | 11 | 66294955 | T>C | 0 | 0.37 | 0 | 0 |
| 29 | 11 | 66309269 | C>T | 0 | 0 | 0 | 0 |
| 30 | 11 | 66402972 | C>T | 0 | 0.445 | 0 | 0 |
| 31 | 11 | 66411148 | G>A | 0 | 0 | 0 | 0 |
| 32 | 11 | 66413561 | A>G | 0 | 0 | 0 | 0 |
| 33 | 11 | 66574059 | C>T | 0 | 0 | 0 | 0 |
| 34 | 11 | 66574060 | A>G | 0 | 0 | 0 | 0.3433333 |
| 35 | 11 | 66579729 | G>C | 0 | 0 | 0 | 0 |
| 36 | 11 | 66582004 | T>G | 0 | 0.313333333 | 0 | 0.5933333 |
| 37 | 11 | 66658256 | A>G | 0 | 0.37 | 0 | 0 |
| 38 | 11 | 66708311 | T>C | 0 | 0.5 | 0 | 0.6 |
| 39 | 11 | 66709182 | A>C | 0 | 0.606666667 | 0 | 0 |
| 40 | 11 | 66938044 | G>C | 0 | 0.351666667 | 0 | 0 |
| 41 | 11 | 66960151 | A>G | 0 | 0.438333333 | 0 | 0 |
| 42 | 11 | 66997080 | A>G | 0 | 0 | 0 | 0 |
| 43 | 11 | 67018224 | G>A | 0 | 0 | 0 | 0 |
| 44 | 11 | 67132642 | C>A | 0 | 0 | 0 | 0 |
| 45 | 11 | 67439870 | T>C | 0 | 0 | 0 | 0 |
| 46 | 11 | 67440634 | A>C | 0 | 0.476666667 | 0 | 0.4766667 |
| 47 | 11 | 67802039 | A>G | 0 | 0 | 0 | 0.6133333 |
| 48 | 11 | 67855335 | G>T | 0 | 0 | 0.37 | 0 |
| 49 | 11 | 67862631 | T>G | 0 | 0.333333333 | 0 | 0 |
| 50 | 11 | 68555176 | G>A | 0 | 0 | 0 | 0.54 |
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|----|----|----------|-----|---|-------------|---|------------|
| 1 | | | | | | | |
| 2 | 11 | 68558424 | C>T | 0 | 0.455 | 0 | 0 |
| 3 | 11 | 68577071 | A>G | 0 | 0 | 0 | 0 |
| 4 | 11 | 68602753 | A>G | 0 | 0 | 0 | 0 |
| 5 | 11 | 68690932 | G>A | 0 | 0 | 0 | 0 |
| 6 | 11 | 68703959 | A>G | 0 | 0 | 0 | 0 |
| 7 | 11 | 68774813 | C>T | 0 | 0.455 | 0 | 0 |
| 8 | 11 | 69629390 | G>A | 0 | 0 | 0 | 0 |
| 9 | 11 | 69995555 | G>A | 0 | 0.303333333 | 0 | 0 |
| 10 | 11 | 70189266 | T>C | 0 | 0.416666667 | 0 | 0 |
| 11 | 11 | 70274707 | A>G | 0 | 0.513333333 | 0 | 0 |
| 12 | 11 | 70331435 | C>T | 0 | 0.455 | 0 | 0 |
| 13 | 11 | 70399457 | T>C | 0 | 0 | 0 | 0.70333333 |
| 14 | 11 | 70407488 | G>C | 0 | 0 | 0 | 0 |
| 15 | 11 | 70722209 | C>T | 0 | 0 | 0 | 0 |
| 16 | 11 | 70750818 | A>G | 0 | 0.346666667 | 0 | 0.31333333 |
| 17 | 11 | 70750820 | G>C | 0 | 0.333333333 | 0 | 0 |
| 18 | 11 | 71625520 | G>C | 0 | 0 | 0 | 0 |
| 19 | 11 | 71659299 | C>T | 0 | 0.391666667 | 0 | 0 |
| 20 | 11 | 71785012 | T>C | 0 | 0.303333333 | 0 | 0 |
| 21 | 11 | 72035532 | T>C | 0 | 0.385 | 0 | 0 |
| 22 | 11 | 72035534 | T>C | 0 | 0.385 | 0 | 0 |
| 23 | 11 | 72084921 | C>T | 0 | 0.313333333 | 0 | 0 |
| 24 | 11 | 72087942 | A>G | 0 | 0.555 | 0 | 0 |
| 25 | 11 | 72099470 | C>T | 0 | 0 | 0 | 0 |
| 26 | 11 | 72439384 | A>G | 0 | 0.555 | 0 | 0 |
| 27 | 11 | 72473191 | A>G | 0 | 0 | 0 | 0.5566667 |
| 28 | 11 | 72473206 | G>A | 0 | 0 | 0 | 0.6466667 |
| 29 | 11 | 72612248 | G>C | 0 | 0.313333333 | 0 | 0 |
| 30 | 11 | 72617051 | G>A | 0 | 0 | 0 | 0 |
| 31 | 11 | 72617252 | G>T | 0 | 0.378333333 | 0 | 0 |
| 32 | 11 | 72703890 | T>C | 0 | 0 | 0 | 0.5566667 |
| 33 | 11 | 72775887 | T>C | 0 | 0.356666667 | 0 | 0.37 |
| 34 | 11 | 72776867 | C>A | 0 | 0.333333333 | 0 | 0 |
| 35 | 11 | 72778190 | C>T | 0 | 0 | 0 | 0.5366667 |
| 36 | 11 | 72827840 | T>C | 0 | 0.37 | 0 | 0 |
| 37 | 11 | 72830976 | A>G | 0 | 0 | 0 | 0.4766667 |
| 38 | 11 | 72852498 | G>A | 0 | 0 | 0 | 0 |
| 39 | 11 | 72945204 | G>A | 0 | 0 | 0 | 0 |
| 40 | 11 | 73138124 | C>A | 0 | 0 | 0 | 0 |
| 41 | 11 | 73138138 | G>A | 0 | 0 | 0 | 0 |
| 42 | 11 | 73214059 | A>G | 0 | 0.555 | 0 | 0 |
| 43 | 11 | 73233660 | T>C | 0 | 0.416666667 | 0 | 0 |
| 44 | 11 | 73362198 | C>T | 0 | 0 | 0 | 0 |
| 45 | 11 | 73415505 | A>G | 0 | 0.351666667 | 0 | 0 |
| 46 | 11 | 73421601 | A>G | 0 | 0 | 0 | 0 |
| 47 | 11 | 73421603 | A>G | 0 | 0 | 0 | 0 |
| 48 | 11 | 73448520 | C>T | 0 | 0.555 | 0 | 0 |
| 49 | 11 | 73531390 | T>C | 0 | 0 | 0 | 0 |
| 50 | 11 | 73546731 | T>G | 0 | 0.521666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 11 | 73573428 | T>C | 0 | 0 | 0 | 0.79 |
| 3 | 11 | 73679387 | C>T | 0 | 0 | 0 | 0 |
| 4 | 11 | 73776735 | T>A | 0 | 0.715 | 0 | 0 |
| 5 | 11 | 73793616 | C>A | 0 | 0.521666667 | 0 | 0 |
| 6 | 11 | 73887975 | T>C | 0 | 0.37 | 0 | 0 |
| 7 | | | | | | | |
| 8 | 11 | 73928346 | A>G | 0 | 0.313333333 | 0 | 0 |
| 9 | 11 | 74073044 | T>C | 0 | 0.588333333 | 0 | 0.4266667 |
| 10 | 11 | 74094793 | C>T | 0 | 0 | 0.666666667 | 0 |
| 11 | 11 | 74317080 | T>A | 0 | 0.595 | 0 | 0 |
| 12 | 11 | 74318579 | A>G | 0 | 0 | 0 | 0.6333333 |
| 13 | 11 | 74320670 | T>C | 0 | 0.416666667 | 0 | 0 |
| 14 | 11 | 74322086 | T>C | 0 | 0.356666667 | 0 | 0.3933333 |
| 15 | 11 | 74460017 | C>T | 0 | 0 | 0 | 0 |
| 16 | 11 | 74536788 | G>A | 0 | 0 | 0 | 0 |
| 17 | 11 | 74596860 | A>T | 0 | 0.476666667 | 0 | 0.7833333 |
| 18 | 11 | 74644505 | C>G | 0 | 0.416666667 | 0 | 0.3233333 |
| 19 | 11 | 74662685 | A>G | 0 | 0.37 | 0 | 0 |
| 20 | 11 | 74678772 | G>A | 0 | 0.555 | 0 | 0 |
| 21 | 11 | 74712501 | C>T | 0 | 0 | 0 | 0.37 |
| 22 | 11 | 75003437 | A>G | 0 | 0 | 0 | 0.3433333 |
| 23 | 11 | 75008693 | G>A | 0 | 0 | 0 | 0 |
| 24 | 11 | 75360876 | A>G | 0 | 0 | 0 | 1 |
| 25 | 11 | 75536278 | C>T | 0 | 0 | 0 | 0.4666667 |
| 26 | 11 | 75538604 | C>T | 0 | 0 | 0 | 0 |
| 27 | 11 | 75575385 | G>A | 0 | 0.385 | 0 | 0 |
| 28 | 11 | 75648439 | C>T | 0 | 0.606666667 | 0 | 0 |
| 29 | 11 | 75692355 | T>C | 0 | 0.46 | 0 | 0 |
| 30 | 11 | 76112563 | G>A | 0 | 0.4 | 0 | 0 |
| 31 | 11 | 76172908 | A>G | 0 | 0 | 0 | 0 |
| 32 | 11 | 76194383 | T>C | 0 | 0 | 0 | 0.37 |
| 33 | 11 | 76195390 | G>A | 0 | 0.778333333 | 0 | 0 |
| 34 | 11 | 76195672 | C>T | 0 | 0.37 | 0 | 0 |
| 35 | 11 | 76380357 | C>T | 0 | 0 | 0 | 0 |
| 36 | 11 | 76639998 | A>G | 0 | 0.385 | 0 | 0 |
| 37 | 11 | 76705397 | T>C | 0 | 0 | 0 | 0.3633333 |
| 38 | 11 | 76717246 | G>T | 0 | 0.4 | 0 | 0.3033333 |
| 39 | 11 | 76931001 | G>A | 0 | 0.365 | 0 | 0 |
| 40 | 11 | 76931014 | G>T | 0 | 0.403333333 | 0 | 0 |
| 41 | 11 | 77043082 | C>A | 0 | 0 | 0 | 0 |
| 42 | 11 | 77043093 | G>A | 0 | 0 | 0 | 0 |
| 43 | 11 | 77127736 | C>T | 0 | 0 | 0 | 0.45 |
| 44 | 11 | 77390408 | C>T | 0 | 0.666666667 | 0 | 0 |
| 45 | 11 | 77395758 | A>C | 0 | 0 | 0 | 0.7566667 |
| 46 | 11 | 77455122 | A>G | 0 | 0.416666667 | 0 | 0 |
| 47 | 11 | 77491675 | A>C | 0 | 0.353333333 | 0 | 0 |
| 48 | 11 | 77523169 | C>T | 0 | 0 | 0 | 0 |
| 49 | 11 | 77596694 | T>A | 0 | 0 | 0 | 0.6166667 |
| 50 | 11 | 77687735 | A>G | 0 | 0 | 0 | 0 |
| 51 | 11 | 77687873 | C>G | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|---|------------|
| 1 | | | | | | | |
| 2 | 11 | 77777402 | C>T | 0 | 0 | 0 | 0 |
| 3 | 11 | 77812138 | C>G | 0 | 0 | 0 | 0 |
| 4 | 11 | 77827581 | T>C | 0 | 0.356666667 | 0 | 0 |
| 5 | 11 | 77830652 | C>T | 0 | 0 | 0 | 0 |
| 6 | 11 | 77846757 | G>A | 0 | 0 | 0 | 0 |
| 7 | 11 | 77937828 | G>A | 0 | 0 | 0 | 0 |
| 8 | 11 | 77937880 | C>T | 0 | 0 | 0 | 0 |
| 9 | 11 | 78023745 | A>G | 0 | 0.476666667 | 0 | 0.44 |
| 10 | 11 | 78068943 | A>G | 0 | 0 | 0 | 0 |
| 11 | 11 | 78224719 | G>A | 0 | 0 | 0 | 0 |
| 12 | 11 | 78635180 | G>A | 0 | 0.555 | 0 | 0.36 |
| 13 | 11 | 78710385 | T>C | 0 | 0.555 | 0 | 0 |
| 14 | 11 | 79050071 | C>T | 0 | 0 | 0 | 0.86 |
| 15 | 11 | 82712478 | T>C | 0 | 0.758333333 | 0 | 0 |
| 16 | 11 | 82761927 | A>G | 0 | 0.391666667 | 0 | 0 |
| 17 | 11 | 82890885 | A>G | 0 | 0 | 0 | 0.32333333 |
| 18 | 11 | 82941789 | C>T | 0 | 0.346666667 | 0 | 0 |
| 19 | 11 | 82977406 | A>G | 0 | 0.5 | 0 | 0 |
| 20 | 11 | 82980045 | A>C | 0 | 0 | 0 | 0 |
| 21 | 11 | 82982960 | C>T | 0 | 0.648333333 | 0 | 0 |
| 22 | 11 | 83226827 | T>C | 0 | 0 | 0 | 0 |
| 23 | 11 | 83448734 | C>T | 0 | 0 | 0 | 0 |
| 24 | 11 | 83562593 | T>C | 0 | 0.513333333 | 0 | 0 |
| 25 | 11 | 83596049 | A>G | 0 | 0 | 0 | 0 |
| 26 | 11 | 83599985 | C>T | 0 | 0 | 0 | 0 |
| 27 | 11 | 83698110 | T>A | 0 | 0.6 | 0 | 0.5866667 |
| 28 | 11 | 83894853 | A>G | 0 | 0 | 0 | 0 |
| 29 | 11 | 83928969 | A>G | 0 | 0.37 | 0 | 0.49333333 |
| 30 | 11 | 83950505 | A>G | 0 | 0 | 0 | 0 |
| 31 | 11 | 83990457 | C>T | 0 | 0 | 0 | 0 |
| 32 | 11 | 84012912 | G>A | 0 | 0 | 0 | 0 |
| 33 | 11 | 84014122 | T>C | 0 | 0 | 0 | 0 |
| 34 | 11 | 84027937 | C>G | 0 | 0 | 0 | 0 |
| 35 | 11 | 84028108 | C>G | 0 | 0 | 0 | 0 |
| 36 | 11 | 84028211 | C>T | 0 | 0 | 0 | 0 |
| 37 | 11 | 84251143 | T>C | 0 | 0.346666667 | 0 | 0 |
| 38 | 11 | 84328374 | C>T | 0 | 0 | 0 | 0 |
| 39 | 11 | 84328375 | A>G | 0 | 0 | 0 | 0 |
| 40 | 11 | 84439648 | G>A | 0 | 0 | 0 | 0.5866667 |
| 41 | 11 | 84440116 | G>T | 0 | 0.445 | 0 | 0.4766667 |
| 42 | 11 | 84440460 | A>G | 0 | 0 | 0 | 0 |
| 43 | 11 | 84549784 | T>C | 0 | 0 | 0 | 0.3166667 |
| 44 | 11 | 84578914 | G>C | 0 | 0 | 0 | 0.45 |
| 45 | 11 | 84588079 | C>T | 0 | 0.438333333 | 0 | 0 |
| 46 | 11 | 84689396 | A>T | 0 | 0 | 0 | 0.37 |
| 47 | 11 | 84716458 | A>T | 0 | 0.303333333 | 0 | 0 |
| 48 | 11 | 84836125 | C>T | 0 | 0 | 0 | 0 |
| 49 | 11 | 84859804 | T>C | 0 | 0.343333333 | 0 | 0 |
| 50 | 11 | 85002799 | G>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 11 | 85109980 | T>C | 0 | 0 | 0 | 0.91 |
| 3 | 11 | 85112217 | A>G | 0 | 0.333333333 | 0 | 0 |
| 4 | 11 | 85138064 | C>G | 0 | 0.555 | 0 | 0.44333333 |
| 5 | 11 | 85215657 | C>T | 0 | 0 | 0 | 0.6666667 |
| 6 | 11 | 85255218 | A>G | 0 | 0.313333333 | 0 | 0 |
| 7 | 11 | 85255710 | C>A | 0 | 0 | 0 | 0 |
| 8 | 11 | 85255831 | C>T | 0 | 0.416666667 | 0 | 0 |
| 9 | 11 | 85257260 | C>A | 0 | 0.333333333 | 0 | 0.44333333 |
| 10 | 11 | 85606970 | C>T | 0 | 0.316666667 | 0 | 0 |
| 11 | 11 | 86022843 | T>C | 0 | 0.526666667 | 0.385 | 0 |
| 12 | 11 | 86028069 | T>C | 0 | 0.313333333 | 0 | 0 |
| 13 | 11 | 86104374 | A>G | 0 | 0.391666667 | 0 | 0.72333333 |
| 14 | 11 | 86255167 | G>A | 0 | 1 | 0 | 0 |
| 15 | 11 | 86256824 | T>A | 0 | 0 | 0 | 0.71333333 |
| 16 | 11 | 86256968 | T>A | 0 | 0 | 0 | 0 |
| 17 | 11 | 86274442 | A>G | 0 | 0 | 0 | 0 |
| 18 | 11 | 86314405 | A>G | 0 | 0.396666667 | 0 | 0 |
| 19 | 11 | 86367995 | G>A | 0 | 0 | 0 | 0.31333333 |
| 20 | 11 | 86754705 | T>C | 0 | 0 | 0 | 0 |
| 21 | 11 | 86754707 | C>G | 0 | 0 | 0 | 0 |
| 22 | 11 | 86755971 | A>G | 0 | 0.466666667 | 0.306666667 | 0 |
| 23 | 11 | 86831732 | T>A | 0 | 0.416666667 | 0 | 0 |
| 24 | 11 | 86831780 | T>C | 0 | 0.476666667 | 0 | 0 |
| 25 | 11 | 86873491 | T>C | 0 | 0 | 0.333333333 | 0 |
| 26 | 11 | 86877611 | T>C | 0 | 0.303333333 | 0 | 0 |
| 27 | 11 | 86877623 | C>T | 0 | 0 | 0 | 0 |
| 28 | 11 | 86880556 | T>C | 0 | 0 | 0 | 0.5266667 |
| 29 | 11 | 86913265 | G>A | 0 | 0 | 0 | 0 |
| 30 | 11 | 87857450 | G>A | 0 | 0.438333333 | 0 | 0.74 |
| 31 | 11 | 87859516 | T>C | 0 | 0.356666667 | 0 | 0 |
| 32 | 11 | 87867617 | C>T | 0 | 0.313333333 | 0 | 0 |
| 33 | 11 | 88056733 | G>A | 0 | 0.313333333 | 0 | 0 |
| 34 | 11 | 88254500 | G>A | 0 | 0.476666667 | 0 | 0 |
| 35 | 11 | 88257652 | T>C | 0 | 0.486666667 | 0 | 0 |
| 36 | 11 | 88317850 | A>G | 0 | 0.555 | 0 | 0 |
| 37 | 11 | 88357787 | T>C | 0 | 0.356666667 | 0 | 0 |
| 38 | 11 | 88459785 | T>A | 0 | 0 | 0 | 0.3566667 |
| 39 | 11 | 88506364 | G>A | 0 | 0.416666667 | 0 | 0 |
| 40 | 11 | 88530431 | A>C | 0 | 0.476666667 | 0 | 0 |
| 41 | 11 | 88945029 | A>G | 0 | 0 | 0 | 0 |
| 42 | 11 | 89161557 | A>G | 0 | 0 | 0.4 | 0.37 |
| 43 | 11 | 89165328 | T>A | 0 | 0.526666667 | 0 | 0 |
| 44 | 11 | 92251035 | C>A | 0 | 0.316666667 | 0 | 0 |
| 45 | 11 | 92255056 | C>T | 0 | 0.416666667 | 0 | 0 |
| 46 | 11 | 92325656 | A>T | 0 | 0 | 0 | 0 |
| 47 | 11 | 92334537 | T>C | 0 | 0 | 0 | 0.34333333 |
| 48 | 11 | 92541842 | C>A | 0 | 0 | 0.303333333 | 0.37 |
| 49 | 11 | 92625680 | C>T | 0 | 0 | 0 | 0.4766667 |
| 50 | 11 | 92907089 | G>A | 0 | 0 | 0 | 0.33333333 |
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| 1 | | | | | | | |
| 2 | 11 | 93249873 | C>T | 0 | 0.613333333 | 0 | 0 |
| 3 | 11 | 93453430 | C>G | 0 | 0 | 0 | 0.64 |
| 4 | 11 | 93493289 | A>T | 0 | 0.378333333 | 0 | 0 |
| 5 | 11 | 93529391 | G>A | 0 | 0 | 0 | 0.32333333 |
| 6 | 11 | 93554189 | A>G | 0 | 0 | 0 | 0 |
| 7 | 11 | 93832318 | C>T | 0 | 0 | 0 | 0.63333333 |
| 8 | 11 | 93869827 | A>G | 0 | 0.308333333 | 0 | 0 |
| 9 | 11 | 93869851 | G>T | 0 | 0 | 0 | 0 |
| 10 | 11 | 94121958 | G>A | 0 | 0 | 0 | 0 |
| 11 | 11 | 94125283 | C>T | 0 | 0 | 0 | 0 |
| 12 | 11 | 94304786 | C>A | 0 | 0.5 | 0 | 0 |
| 13 | 11 | 94522585 | G>A | 0 | 0 | 0.326666667 | 0 |
| 14 | 11 | 94949008 | G>A | 0 | 0 | 0 | 0.49333333 |
| 15 | 11 | 95541368 | T>G | 0 | 0.416666667 | 0 | 0 |
| 16 | 11 | 95542100 | C>T | 0 | 0 | 0 | 0 |
| 17 | 11 | 95543259 | G>A | 0 | 0.555 | 0 | 0 |
| 18 | 11 | 95604210 | C>T | 0 | 0.555 | 0 | 0 |
| 19 | 11 | 95607307 | A>G | 0 | 0 | 0 | 0.55666667 |
| 20 | 11 | 95882720 | T>A | 0 | 0.445 | 0 | 0 |
| 21 | 11 | 95965927 | C>T | 0 | 0 | 0 | 0 |
| 22 | 11 | 96003661 | T>G | 0 | 0.361666667 | 0 | 0 |
| 23 | 11 | 96060630 | T>C | 0 | 0.391666667 | 0 | 0 |
| 24 | 11 | 99119439 | G>T | 0 | 0.416666667 | 0.391666667 | 0 |
| 25 | 11 | 99119743 | T>G | 0 | 0 | 0 | 0 |
| 26 | 11 | 99395292 | T>C | 0 | 0 | 0 | 0.35 |
| 27 | 11 | 99401784 | A>T | 0 | 0 | 0 | 0 |
| 28 | 11 | 99656852 | C>A | 0 | 0.833333333 | 0 | 0 |
| 29 | 11 | 99749479 | A>C | 0 | 0 | 0 | 0.69 |
| 30 | 11 | 99780342 | A>C | 0 | 0.666666667 | 0 | 0 |
| 31 | 11 | 99805418 | G>A | 0 | 0 | 0 | 0 |
| 32 | 11 | 1E+08 | T>C | 0 | 0.438333333 | 0 | 0.35666667 |
| 33 | 11 | 1E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 34 | 11 | 1E+08 | G>A | 0 | 0.356666667 | 0 | 0.37 |
| 35 | 11 | 1.01E+08 | T>G | 0 | 0.513333333 | 0 | 0 |
| 36 | 11 | 1.01E+08 | A>G | 0 | 0.506666667 | 0 | 0.77666667 |
| 37 | 11 | 1.01E+08 | A>G | 0 | 0.526666667 | 0 | 0 |
| 38 | 11 | 1.01E+08 | G>A | 0 | 0 | 0 | 0 |
| 39 | 11 | 1.01E+08 | G>A | 0 | 0.438333333 | 0 | 0 |
| 40 | 11 | 1.01E+08 | C>G | 0 | 0.303333333 | 0 | 0 |
| 41 | 11 | 1.01E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 42 | 11 | 1.01E+08 | T>C | 0 | 0 | 0 | 0 |
| 43 | 11 | 1.02E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 44 | 11 | 1.02E+08 | A>G | 0 | 0.533333333 | 0 | 0 |
| 45 | 11 | 1.02E+08 | G>A | 0 | 0 | 0 | 0 |
| 46 | 11 | 1.02E+08 | T>G | 0 | 0.8 | 0 | 0 |
| 47 | 11 | 1.02E+08 | T>C | 0 | 0.32 | 0.555 | 0 |
| 48 | 11 | 1.02E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 49 | 11 | 1.02E+08 | C>T | 0 | 0.356666667 | 0 | 0.32333333 |
| 50 | 11 | 1.02E+08 | T>C | 0 | 0.385 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 11 | 1.02E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 3 | 11 | 1.03E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 4 | 11 | 1.03E+08 | T>C | 0 | 0.416666667 | 0 | 0.9266667 |
| 5 | 11 | 1.03E+08 | C>T | 0 | 0 | 0 | 1 |
| 6 | 11 | 1.03E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | | | | | | | |
| 8 | 11 | 1.03E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| 9 | 11 | 1.03E+08 | A>G | 0 | 0.416666667 | 0 | 0.31 |
| 10 | 11 | 1.03E+08 | G>A | 0 | 0.463333333 | 0 | 0 |
| 11 | 11 | 1.04E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 12 | 11 | 1.04E+08 | C>T | 0 | 0 | 0 | 0.4766667 |
| 13 | 11 | 1.04E+08 | T>C | 0 | 0 | 0 | 0.58 |
| 14 | 11 | 1.04E+08 | G>A | 0 | 0 | 0 | 0 |
| 15 | 11 | 1.05E+08 | G>C | 0 | 0 | 0 | 0.5266667 |
| 16 | 11 | 1.05E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 11 | 1.06E+08 | T>C | 0 | 0 | 0 | 0 |
| 18 | 11 | 1.06E+08 | C>T | 0 | 0.316666667 | 0 | 0 |
| 19 | 11 | 1.06E+08 | T>A | 0 | 0 | 0 | 0.4166667 |
| 20 | 11 | 1.06E+08 | A>G | 0 | 0 | 0 | 0.58 |
| 21 | 11 | 1.06E+08 | G>A | 0 | 0 | 0 | 0 |
| 22 | 11 | 1.06E+08 | T>C | 0 | 0 | 0 | 0.6466667 |
| 23 | 11 | 1.07E+08 | A>T | 0 | 0.333333333 | 0 | 0 |
| 24 | 11 | 1.07E+08 | C>A | 0 | 0 | 0 | 0.6333333 |
| 25 | 11 | 1.07E+08 | C>A | 0 | 0.666666667 | 0 | 0 |
| 26 | 11 | 1.07E+08 | T>A | 0 | 0 | 0 | 0 |
| 27 | 11 | 1.07E+08 | A>T | 0 | 0.435 | 0 | 0 |
| 28 | 11 | 1.07E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 29 | 11 | 1.07E+08 | A>G | 0 | 0 | 0 | 0.6133333 |
| 30 | 11 | 1.07E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 31 | 11 | 1.07E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 32 | 11 | 1.07E+08 | A>G | 0 | 0.346666667 | 0 | 0 |
| 33 | 11 | 1.07E+08 | T>G | 0 | 0.356666667 | 0 | 0 |
| 34 | 11 | 1.08E+08 | G>C | 0 | 0 | 0 | 0 |
| 35 | 11 | 1.08E+08 | C>T | 0 | 0 | 0 | 0 |
| 36 | 11 | 1.08E+08 | A>T | 0 | 0 | 0 | 0 |
| 37 | 11 | 1.08E+08 | A>G | 0 | 0 | 0 | 0 |
| 38 | 11 | 1.08E+08 | T>C | 0 | 0 | 0 | 0.45 |
| 39 | 11 | 1.08E+08 | T>C | 0 | 0.455 | 0 | 0 |
| 40 | 11 | 1.08E+08 | C>T | 0 | 0 | 0 | 0.3133333 |
| 41 | 11 | 1.08E+08 | G>A | 0 | 0 | 0.36 | 0 |
| 42 | 11 | 1.08E+08 | C>T | 0 | 0.396666667 | 0 | 0 |
| 43 | 11 | 1.08E+08 | T>G | 0 | 0 | 0 | 0 |
| 44 | 11 | 1.08E+08 | A>C | 0 | 0 | 0.333333333 | 0 |
| 45 | 11 | 1.08E+08 | T>C | 0 | 0.666666667 | 0 | 0 |
| 46 | 11 | 1.08E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 47 | 11 | 1.08E+08 | A>C | 0 | 0.356666667 | 0 | 0.5566667 |
| 48 | 11 | 1.08E+08 | T>C | 0 | 0 | 0 | 0.4766667 |
| 49 | 11 | 1.09E+08 | G>A | 0 | 0 | 0 | 0 |
| 50 | 11 | 1.09E+08 | T>C | 0 | 0 | 0 | 0 |
| 51 | 11 | 1.09E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | 11 | 1.1E+08 | T>C | 0 | 0 | 0 | 0 |
| 2 | 11 | 1.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 3 | 11 | 1.11E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 11 | 1.11E+08 | C>T | 0 | 0 | 0 | 0 |
| 5 | 11 | 1.11E+08 | C>T | 0 | 0 | 0 | 0 |
| 6 | 11 | 1.12E+08 | C>T | 0 | 0 | 0 | 0 |
| 7 | 11 | 1.12E+08 | T>C | 0 | 0 | 0 | 0.64 |
| 8 | 11 | 1.12E+08 | G>A | 0 | 0 | 0 | 0 |
| 9 | 11 | 1.12E+08 | C>T | 0 | 0 | 0 | 0 |
| 10 | 11 | 1.12E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 11 | 11 | 1.12E+08 | G>T | 0 | 0 | 0 | 0 |
| 12 | 11 | 1.12E+08 | C>T | 0 | 0 | 0 | 0.4 |
| 13 | 11 | 1.12E+08 | A>G | 0 | 0 | 0 | 0.4 |
| 14 | 11 | 1.12E+08 | G>C | 0 | 0 | 0.303333333 | 0.4433333 |
| 15 | 11 | 1.12E+08 | C>T | 0 | 0 | 0 | 0.5133333 |
| 16 | 11 | 1.12E+08 | A>G | 0 | 0.476666667 | 0.555 | 0 |
| 17 | 11 | 1.14E+08 | A>G | 0 | 0 | 0.438333333 | 0 |
| 18 | 11 | 1.14E+08 | A>C | 0 | 0 | 0 | 0 |
| 19 | 11 | 1.14E+08 | T>C | 0 | 0 | 0 | 0 |
| 20 | 11 | 1.14E+08 | C>T | 0 | 0 | 0 | 0.3033333 |
| 21 | 11 | 1.14E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 22 | 11 | 1.14E+08 | G>A | 0 | 0.513333333 | 0 | 0 |
| 23 | 11 | 1.14E+08 | A>G | 0 | 0.588333333 | 0 | 0.69 |
| 24 | 11 | 1.14E+08 | C>A | 0 | 0.445 | 0 | 0 |
| 25 | 11 | 1.15E+08 | C>G | 0 | 0 | 0 | 0 |
| 26 | 11 | 1.15E+08 | C>A | 0 | 0 | 0 | 0 |
| 27 | 11 | 1.15E+08 | G>A | 0 | 0.435 | 0 | 0.4766667 |
| 28 | 11 | 1.15E+08 | G>A | 0 | 0 | 0 | 0 |
| 29 | 11 | 1.15E+08 | G>A | 0 | 0 | 0 | 0.5366667 |
| 30 | 11 | 1.17E+08 | A>G | 0 | 0.303333333 | 0 | 0.7833333 |
| 31 | 11 | 1.17E+08 | T>G | 0 | 0.345 | 0.395 | 0.5033333 |
| 32 | 11 | 1.17E+08 | T>G | 0 | 0 | 0.388333333 | 0 |
| 33 | 11 | 1.17E+08 | T>C | 0 | 1 | 0 | 0 |
| 34 | 11 | 1.17E+08 | C>G | 0 | 0 | 0 | 0 |
| 35 | 11 | 1.17E+08 | A>G | 0 | 0 | 0 | 0 |
| 36 | 11 | 1.17E+08 | A>G | 0 | 0.313333333 | 0 | 0 |
| 37 | 11 | 1.17E+08 | C>T | 0 | 0 | 0 | 0 |
| 38 | 11 | 1.17E+08 | C>T | 0 | 0.403333333 | 0 | 0 |
| 39 | 11 | 1.17E+08 | C>T | 0 | 0 | 0 | 0 |
| 40 | 11 | 1.17E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 11 | 1.17E+08 | C>T | 0 | 0 | 0 | 0.4333333 |
| 42 | 11 | 1.17E+08 | T>A | 0 | 0.401666667 | 0 | 0 |
| 43 | 11 | 1.18E+08 | C>T | 0 | 0 | 0 | 0 |
| 44 | 11 | 1.18E+08 | A>G | 0 | 0 | 0 | 0 |
| 45 | 11 | 1.18E+08 | G>A | 0 | 0.5 | 0.313333333 | 0.3566667 |
| 46 | 11 | 1.18E+08 | A>G | 0 | 0 | 0 | 0 |
| 47 | 11 | 1.18E+08 | T>C | 0 | 0 | 0 | 0.35 |
| 48 | 11 | 1.18E+08 | T>A | 0 | 0.37 | 0 | 0 |
| 49 | 11 | 1.18E+08 | T>C | 0 | 0.396666667 | 0 | 0 |
| 50 | 11 | 1.18E+08 | G>C | 0 | 0.401666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 11 | 1.18E+08 | A>C | 0 | 0 | 0 | 0.9866667 |
| 3 | 11 | 1.19E+08 | C>T | 0 | 0 | 0 | 0 |
| 4 | 11 | 1.19E+08 | A>T | 0 | 0 | 0 | 0 |
| 5 | 11 | 1.19E+08 | T>C | 0 | 0.5133333333 | 0 | 0 |
| 6 | 11 | 1.19E+08 | T>C | 0 | 0.5133333333 | 0 | 0 |
| 7 | 11 | 1.19E+08 | A>G | 0 | 0 | 0 | 0.46 |
| 8 | 11 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 9 | 11 | 1.19E+08 | A>G | 0 | 0.455 | 0 | 0 |
| 10 | 11 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 11 | 11 | 1.19E+08 | G>C | 0 | 0 | 0 | 0 |
| 12 | 11 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 13 | 11 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 14 | 11 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 15 | 11 | 1.19E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| 16 | 11 | 1.2E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 11 | 1.2E+08 | A>G | 0 | 0 | 0 | 0.40333333 |
| 18 | 11 | 1.2E+08 | G>A | 0 | 0 | 0 | 0.3166667 |
| 19 | 11 | 1.2E+08 | A>G | 0 | 0.435 | 0 | 0 |
| 20 | 11 | 1.2E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 21 | 11 | 1.21E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 22 | 11 | 1.21E+08 | T>A | 0 | 0.3133333333 | 0 | 0 |
| 23 | 11 | 1.21E+08 | A>C | 0 | 0.37 | 0 | 0.33333333 |
| 24 | 11 | 1.21E+08 | T>C | 0 | 0 | 0 | 0 |
| 25 | 11 | 1.21E+08 | T>C | 0 | 0 | 0.416666667 | 0.5566667 |
| 26 | 11 | 1.21E+08 | T>C | 0 | 0 | 0 | 0 |
| 27 | 11 | 1.21E+08 | T>A | 0 | 0.3783333333 | 0 | 0 |
| 28 | 11 | 1.21E+08 | C>T | 0 | 0 | 0 | 0 |
| 29 | 11 | 1.21E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 30 | 11 | 1.23E+08 | C>T | 0 | 0 | 0 | 0 |
| 31 | 11 | 1.23E+08 | T>G | 0 | 0.431666667 | 0 | 0 |
| 32 | 11 | 1.23E+08 | T>G | 0 | 0 | 0 | 0 |
| 33 | 11 | 1.23E+08 | G>A | 0 | 0 | 0 | 0.36 |
| 34 | 11 | 1.23E+08 | T>C | 0 | 0.3233333333 | 0 | 0 |
| 35 | 11 | 1.23E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 36 | 11 | 1.25E+08 | A>G | 0 | 0 | 0 | 0 |
| 37 | 11 | 1.25E+08 | T>C | 0 | 0.595 | 0 | 0.91 |
| 38 | 11 | 1.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 39 | 11 | 1.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 40 | 11 | 1.25E+08 | G>A | 0 | 0 | 0 | 0 |
| 41 | 11 | 1.25E+08 | C>T | 0 | 0 | 0 | 0 |
| 42 | 11 | 1.25E+08 | T>C | 0 | 0 | 0 | 0 |
| 43 | 11 | 1.25E+08 | C>G | 0 | 0.3133333333 | 0 | 0 |
| 44 | 11 | 1.25E+08 | A>G | 0 | 0 | 0 | 0.45 |
| 45 | 11 | 1.25E+08 | T>C | 0 | 0.4483333333 | 0 | 0 |
| 46 | 11 | 1.25E+08 | G>C | 0 | 0.666666667 | 0 | 0 |
| 47 | 11 | 1.25E+08 | G>A | 0 | 0.666666667 | 0 | 0 |
| 48 | 11 | 1.25E+08 | C>T | 0 | 0.3133333333 | 0 | 0 |
| 49 | 11 | 1.25E+08 | T>G | 0 | 0.595 | 0 | 0 |
| 50 | 11 | 1.25E+08 | T>A | 0 | 0.3033333333 | 0 | 0 |
| 51 | 11 | 1.26E+08 | A>G | 0 | 0.476666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 11 | 1.26E+08 | A>G | 0 | 0 | 0 | 0.62666667 |
| 3 | 11 | 1.26E+08 | T>G | 0 | 0 | 0 | 0.38 |
| 4 | 11 | 1.26E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 11 | 1.26E+08 | T>C | 0 | 0.4 | 0 | 0 |
| 6 | 11 | 1.26E+08 | T>G | 0 | 0.526666667 | 0 | 0 |
| 7 | 11 | 1.27E+08 | A>T | 0 | 0 | 0 | 0.4 |
| 8 | 11 | 1.27E+08 | G>A | 0 | 0 | 0 | 0 |
| 9 | 11 | 1.27E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 10 | 11 | 1.28E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 11 | 11 | 1.29E+08 | G>C | 0 | 0 | 0 | 0 |
| 12 | 11 | 1.29E+08 | A>G | 0 | 0 | 0 | 0.47666667 |
| 13 | 11 | 1.29E+08 | C>T | 0 | 0.595 | 0 | 0 |
| 14 | 11 | 1.29E+08 | A>T | 0 | 0 | 0 | 0.47666667 |
| 15 | 11 | 1.29E+08 | C>T | 0 | 0 | 0 | 0 |
| 16 | 11 | 1.3E+08 | C>A | 0 | 0 | 0 | 0.47666667 |
| 17 | 11 | 1.3E+08 | G>C | 0 | 0.353333333 | 0 | 0 |
| 18 | 11 | 1.3E+08 | T>C | 0 | 0.403333333 | 0 | 0.51333333 |
| 19 | 11 | 1.3E+08 | G>A | 0 | 0 | 0 | 0.37 |
| 20 | 11 | 1.3E+08 | G>T | 0 | 0 | 0 | 0.54 |
| 21 | 11 | 1.3E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 22 | 11 | 1.3E+08 | A>G | 0 | 0.438333333 | 0 | 0.36 |
| 23 | 11 | 1.3E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 24 | 11 | 1.3E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 25 | 11 | 1.3E+08 | A>G | 0 | 0.391666667 | 0 | 0.31333333 |
| 26 | 11 | 1.3E+08 | A>G | 0 | 0.43 | 0 | 0 |
| 27 | 11 | 1.3E+08 | T>C | 0 | 0.405 | 0 | 0 |
| 28 | 11 | 1.3E+08 | C>T | 0 | 0.435 | 0 | 0 |
| 29 | 11 | 1.3E+08 | A>G | 0 | 0 | 0 | 0 |
| 30 | 11 | 1.3E+08 | T>G | 0 | 0.438333333 | 0 | 0 |
| 31 | 11 | 1.3E+08 | A>T | 0 | 0.463333333 | 0 | 0 |
| 32 | 11 | 1.3E+08 | G>C | 0 | 0.313333333 | 0 | 0 |
| 33 | 11 | 1.3E+08 | A>G | 0 | 0 | 0 | 0 |
| 34 | 11 | 1.3E+08 | T>C | 0 | 0 | 0 | 0 |
| 35 | 11 | 1.31E+08 | G>C | 0 | 0.445 | 0 | 0 |
| 36 | 11 | 1.31E+08 | G>A | 0 | 0 | 0 | 0 |
| 37 | 11 | 1.32E+08 | C>T | 0 | 0.463333333 | 0 | 0 |
| 38 | 11 | 1.32E+08 | G>A | 0 | 0.51 | 0 | 0 |
| 39 | 11 | 1.32E+08 | C>T | 0 | 0 | 0.455 | 0 |
| 40 | 11 | 1.32E+08 | T>C | 0 | 0 | 0 | 0.44333333 |
| 41 | 11 | 1.33E+08 | G>A | 0 | 0 | 0 | 0 |
| 42 | 11 | 1.34E+08 | C>T | 0 | 0.448333333 | 0 | 0 |
| 43 | 11 | 1.34E+08 | G>C | 0 | 0 | 0 | 0 |
| 44 | 11 | 1.34E+08 | T>C | 0 | 0 | 0 | 0.5 |
| 45 | 11 | 1.34E+08 | T>C | 0 | 0.316666667 | 0 | 0 |
| 46 | 11 | 1.34E+08 | A>G | 0 | 0.316666667 | 0 | 0 |
| 47 | 11 | 1.34E+08 | C>T | 0 | 0.555 | 0.333333333 | 0.41666667 |
| 48 | 11 | 1.34E+08 | A>G | 0 | 0 | 0 | 0 |
| 49 | 11 | 1.34E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 50 | 11 | 1.34E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 12 | 360100 | A>T | 0 | 0 | 0 | 0 |
| 3 | 12 | 409612 | A>T | 0 | 0 | 0 | 0 |
| 4 | 12 | 442390 | A>G | 0 | 0.526666667 | 0 | 0 |
| 5 | 12 | 456372 | A>G | 0 | 0 | 0 | 0.30333333 |
| 6 | 12 | 466327 | G>A | 0 | 0.316666667 | 0 | 0 |
| 7 | 12 | 689492 | A>G | 0 | 0 | 0 | 0 |
| 8 | 12 | 766538 | A>G | 0 | 0.323333333 | 0 | 0 |
| 9 | 12 | 767257 | C>T | 0 | 0.303333333 | 0 | 0 |
| 10 | 12 | 867022 | C>T | 0 | 0 | 0 | 0 |
| 11 | 12 | 875916 | G>T | 0 | 0.303333333 | 0 | 0 |
| 12 | 12 | 876209 | T>C | 0 | 0.4 | 0 | 0 |
| 13 | 12 | 908839 | C>T | 0 | 0.316666667 | 0 | 0 |
| 14 | 12 | 936924 | G>A | 0 | 0 | 0.325 | 0 |
| 15 | 12 | 941463 | G>A | 0 | 0.37 | 0 | 0 |
| 16 | 12 | 953567 | T>G | 0 | 0 | 0.46 | 0.63333333 |
| 17 | 12 | 969066 | T>G | 0 | 0.353333333 | 0 | 0 |
| 18 | 12 | 998819 | G>C | 0 | 0 | 0 | 0 |
| 19 | 12 | 1054865 | A>G | 0 | 0 | 0 | 0.6866667 |
| 20 | 12 | 1109388 | C>T | 0 | 0.445 | 0 | 0 |
| 21 | 12 | 1113827 | C>T | 0 | 0 | 0 | 0.6666667 |
| 22 | 12 | 1171287 | C>T | 0 | 0.526666667 | 0 | 0 |
| 23 | 12 | 1177184 | A>G | 0 | 0 | 0 | 0 |
| 24 | 12 | 1177329 | T>C | 0 | 0 | 0 | 0.39333333 |
| 25 | 12 | 1209235 | T>C | 0 | 0 | 0.43 | 0 |
| 26 | 12 | 1219035 | A>G | 0 | 0 | 0 | 0.4066667 |
| 27 | 12 | 1234724 | A>G | 0 | 0.388333333 | 0 | 0.78333333 |
| 28 | 12 | 1256188 | G>A | 0 | 0 | 0 | 0.6066667 |
| 29 | 12 | 1256208 | A>G | 0 | 0 | 0 | 0.6666667 |
| 30 | 12 | 1363821 | C>A | 0 | 0 | 0 | 0 |
| 31 | 12 | 1397550 | A>G | 0 | 0.366666667 | 0 | 0 |
| 32 | 12 | 1503502 | C>G | 0 | 0 | 0 | 0 |
| 33 | 12 | 1526669 | A>G | 0 | 0.476666667 | 0 | 0 |
| 34 | 12 | 1846056 | G>C | 0 | 0.583333333 | 0 | 0 |
| 35 | 12 | 1853342 | A>G | 0 | 0 | 0 | 0 |
| 36 | 12 | 1924330 | C>T | 0 | 0.346666667 | 0 | 0 |
| 37 | 12 | 2018421 | G>C | 0 | 0.513333333 | 0 | 0 |
| 38 | 12 | 2247523 | A>C | 0 | 0 | 0.63 | 0 |
| 39 | 12 | 2780452 | G>T | 0 | 0.455 | 0 | 0 |
| 40 | 12 | 2799544 | G>A | 0 | 0.351666667 | 0 | 0 |
| 41 | 12 | 3016266 | A>G | 0 | 0.376666667 | 0 | 0 |
| 42 | 12 | 3047701 | T>C | 0 | 0.476666667 | 0 | 0 |
| 43 | 12 | 3218381 | T>C | 0 | 0.513333333 | 0 | 0.3866667 |
| 44 | 12 | 3261802 | T>A | 0 | 0 | 0 | 0.6066667 |
| 45 | 12 | 3310176 | C>T | 0 | 0 | 0 | 0 |
| 46 | 12 | 3310206 | C>T | 0 | 0 | 0 | 0 |
| 47 | 12 | 3631645 | G>C | 0 | 0 | 0 | 0.3566667 |
| 48 | 12 | 3819724 | A>G | 0 | 0.32 | 0 | 0 |
| 49 | 12 | 3942921 | G>T | 0 | 0.5 | 0 | 0 |
| 50 | 12 | 4403298 | A>T | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|--------------|--------------|-----------|
| 1 | | | | | | | |
| 2 | 12 | 4451679 | C>G | 0 | 0 | 0.37 | 0.3033333 |
| 3 | 12 | 4452456 | A>C | 0 | 0.3033333333 | 0 | 0 |
| 4 | 12 | 4623485 | C>T | 0 | 0 | 0 | 0 |
| 5 | 12 | 4633014 | C>T | 0 | 0.385 | 0 | 0.35 |
| 6 | 12 | 4783460 | G>A | 0 | 0 | 0 | 0 |
| 7 | 12 | 5677499 | T>G | 0 | 0.3333333333 | 0 | 0 |
| 8 | 12 | 5677508 | T>C | 0 | 0.316666667 | 0 | 0 |
| 9 | 12 | 5807734 | T>C | 0 | 0 | 0 | 0 |
| 10 | 12 | 5807735 | G>A | 0 | 0 | 0 | 0 |
| 11 | 12 | 6003753 | T>A | 0 | 0 | 0.3333333333 | 0 |
| 12 | 12 | 6003824 | A>G | 0 | 0 | 0 | 0 |
| 13 | 12 | 6318208 | T>C | 0 | 0 | 0 | 0 |
| 14 | 12 | 6613837 | T>C | 0 | 0.3433333333 | 0 | 0.52 |
| 15 | 12 | 6655710 | T>C | 0 | 0 | 0.355 | 0 |
| 16 | 12 | 6730126 | T>A | 0 | 0 | 0 | 0 |
| 17 | 12 | 6904045 | T>C | 0 | 0.476666667 | 0 | 0 |
| 18 | 12 | 6913192 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 19 | 12 | 6952788 | G>A | 0 | 0 | 0 | 0 |
| 20 | 12 | 6960887 | C>T | 0 | 0.416666667 | 0 | 0 |
| 21 | 12 | 6965575 | G>A | 0 | 0 | 0 | 0 |
| 22 | 12 | 7093817 | C>G | 0 | 0.3033333333 | 0 | 0 |
| 23 | 12 | 7134715 | A>G | 0 | 0.3333333333 | 0 | 0.5133333 |
| 24 | 12 | 7247814 | T>C | 0 | 0 | 0 | 0.3033333 |
| 25 | 12 | 7258144 | A>G | 0 | 0 | 0 | 0 |
| 26 | 12 | 7355501 | T>C | 0 | 0.476666667 | 0 | 0 |
| 27 | 12 | 7572680 | T>C | 0 | 0.385 | 0 | 0 |
| 28 | 12 | 7804509 | C>T | 0 | 0.555 | 0 | 0 |
| 29 | 12 | 7812772 | A>G | 0 | 0 | 0 | 0 |
| 30 | 12 | 7919342 | C>T | 0 | 0 | 0 | 0.37 |
| 31 | 12 | 8003217 | T>C | 0 | 0 | 0 | 0 |
| 32 | 12 | 8003218 | T>C | 0 | 0 | 0 | 0 |
| 33 | 12 | 8019811 | C>G | 0 | 0 | 0 | 0.8033333 |
| 34 | 12 | 8020337 | A>G | 0 | 0 | 0 | 0 |
| 35 | 12 | 8191626 | T>C | 0 | 0 | 0 | 0 |
| 36 | 12 | 8199937 | C>T | 0 | 0.4 | 0 | 0 |
| 37 | 12 | 8893428 | A>G | 0 | 0 | 0 | 0.6366667 |
| 38 | 12 | 8900544 | G>A | 0 | 0.385 | 0 | 0 |
| 39 | 12 | 8912744 | A>T | 0 | 0 | 0 | 0.5566667 |
| 40 | 12 | 9073219 | G>A | 0 | 0 | 0 | 0.45 |
| 41 | 12 | 9255034 | T>A | 0 | 0 | 0 | 0 |
| 42 | 12 | 9328680 | C>T | 0 | 0.5 | 0 | 0.3933333 |
| 43 | 12 | 10071103 | C>T | 0 | 0.555 | 0 | 0.5966667 |
| 44 | 12 | 10321312 | T>C | 0 | 0.356666667 | 0 | 0 |
| 45 | 12 | 10338380 | A>G | 0 | 0 | 0 | 0.3333333 |
| 46 | 12 | 11998840 | C>T | 0 | 0.416666667 | 0 | 0 |
| 47 | 12 | 12328437 | C>T | 0 | 0 | 0 | 0 |
| 48 | 12 | 12328438 | A>G | 0 | 0 | 0 | 0 |
| 49 | 12 | 12416326 | A>G | 0 | 0.316666667 | 0 | 0.46 |
| 50 | 12 | 12549189 | A>G | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 12 | 12560782 | C>T | 0 | 0.333333333 | 0 | 0 |
| 3 | 12 | 12560783 | T>A | 0 | 0.333333333 | 0 | 0 |
| 4 | 12 | 12695200 | A>G | 0 | 0.416666667 | 0 | 0 |
| 5 | 12 | 12883484 | A>G | 0 | 0.37 | 0 | 0 |
| 6 | 12 | 12906876 | T>C | 0 | 0 | 0 | 0.4166667 |
| 7 | 12 | 12919603 | C>T | 0 | 0.303333333 | 0 | 0.45 |
| 8 | 12 | 13067760 | A>G | 0 | 0.476666667 | 0 | 0 |
| 9 | 12 | 13889785 | T>C | 0 | 0 | 0 | 0.54 |
| 10 | 12 | 13889798 | G>A | 0 | 0 | 0 | 0 |
| 11 | 12 | 13921750 | T>C | 0 | 0.74 | 0 | 0 |
| 12 | 12 | 14824185 | T>C | 0 | 0 | 0.606666667 | 0 |
| 13 | 12 | 14845715 | G>A | 0 | 0.313333333 | 0 | 0 |
| 14 | 12 | 14945567 | A>G | 0 | 0.468333333 | 0 | 0 |
| 15 | 12 | 15480877 | G>A | 0 | 0.416666667 | 0 | 0 |
| 16 | 12 | 15556421 | T>G | 0 | 0.333333333 | 0 | 0.6666667 |
| 17 | 12 | 15719544 | T>C | 0 | 0.416666667 | 0 | 0 |
| 18 | 12 | 15895347 | C>G | 0 | 0 | 0 | 0.5733333 |
| 19 | 12 | 15919023 | T>C | 0 | 0 | 0 | 0.91 |
| 20 | 12 | 16079456 | A>G | 0 | 0 | 0 | 0 |
| 21 | 12 | 16079458 | G>C | 0 | 0 | 0 | 0 |
| 22 | 12 | 16100257 | G>T | 0 | 0 | 0 | 0 |
| 23 | 12 | 16100276 | G>A | 0 | 0.333333333 | 0 | 0 |
| 24 | 12 | 16720034 | C>G | 0 | 0.416666667 | 0 | 0 |
| 25 | 12 | 16726763 | G>C | 0 | 0 | 0 | 0 |
| 26 | 12 | 18602664 | T>C | 0 | 0.416666667 | 0 | 0 |
| 27 | 12 | 18605762 | G>T | 0 | 0 | 0 | 0.5266667 |
| 28 | 12 | 18781773 | T>C | 0 | 0.361666667 | 0 | 0 |
| 29 | 12 | 18863795 | G>A | 0 | 0.308333333 | 0 | 0 |
| 30 | 12 | 19317339 | A>G | 0 | 0 | 0 | 0 |
| 31 | 12 | 19317340 | A>G | 0 | 0 | 0 | 0 |
| 32 | 12 | 19516551 | A>G | 0 | 0.303333333 | 0 | 0.3033333 |
| 33 | 12 | 19522205 | A>G | 0 | 0.416666667 | 0.303333333 | 0 |
| 34 | 12 | 19613401 | T>C | 0 | 0 | 0 | 0.37 |
| 35 | 12 | 19618532 | C>G | 0 | 0.356666667 | 0 | 0 |
| 36 | 12 | 19623357 | T>C | 0 | 0 | 0 | 0.3033333 |
| 37 | 12 | 19629483 | T>C | 0 | 0 | 0 | 0.6066667 |
| 38 | 12 | 19669876 | A>G | 0 | 0.4 | 0 | 0 |
| 39 | 12 | 20618608 | A>G | 0 | 0 | 0 | 0.5566667 |
| 40 | 12 | 20679964 | G>T | 0 | 0 | 0 | 0.4033333 |
| 41 | 12 | 20898518 | A>G | 0 | 0 | 0 | 0.3233333 |
| 42 | 12 | 21107719 | C>G | 0 | 0 | 0 | 0 |
| 43 | 12 | 21107776 | C>A | 0 | 0 | 0 | 0 |
| 44 | 12 | 21127830 | A>G | 0 | 0 | 0 | 0.4433333 |
| 45 | 12 | 21132277 | G>A | 0 | 0 | 0 | 0 |
| 46 | 12 | 21133262 | A>C | 0 | 0 | 0 | 0.5 |
| 47 | 12 | 21133805 | G>C | 0 | 0 | 0 | 0 |
| 48 | 12 | 21134118 | T>G | 0 | 0.666666667 | 0 | 0 |
| 49 | 12 | 21236744 | G>A | 0 | 0 | 0 | 0.7633333 |
| 50 | 12 | 21286703 | G>C | 0 | 0 | 0 | 0.6666667 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 12 | 21301479 | T>G | 0 | 0.416666667 | 0 | 0 |
| 3 | 12 | 21301995 | A>G | 0 | 0 | 0 | 0.44333333 |
| 4 | 12 | 21362323 | C>T | 0 | 0.455 | 0 | 0 |
| 5 | 12 | 21362587 | A>G | 0 | 0.303333333 | 0 | 0.3166667 |
| 6 | 12 | 21468694 | C>T | 0 | 0 | 0.37 | 0 |
| 7 | 12 | 21531928 | A>G | 0 | 0 | 0 | 0 |
| 8 | 12 | 21599779 | T>G | 0 | 0 | 0 | 0 |
| 9 | 12 | 22053737 | A>G | 0 | 0 | 0 | 0.33333333 |
| 10 | 12 | 22057849 | A>C | 0 | 0.356666667 | 0 | 0 |
| 11 | 12 | 22672092 | A>G | 0 | 0 | 0 | 0 |
| 12 | 12 | 23694952 | A>G | 0 | 0.695 | 0 | 0 |
| 13 | 12 | 23760950 | C>A | 0 | 0 | 0 | 0 |
| 14 | 12 | 23827552 | A>G | 0 | 0.356666667 | 0 | 0 |
| 15 | 12 | 25050556 | G>C | 0 | 0.588333333 | 0 | 0.3166667 |
| 16 | 12 | 25330102 | T>G | 0 | 0.346666667 | 0.333333333 | 0 |
| 17 | 12 | 26210470 | C>T | 0 | 0 | 0 | 0.61333333 |
| 18 | 12 | 26850586 | T>A | 0 | 0 | 0 | 0.43 |
| 19 | 12 | 27103406 | G>A | 0 | 0 | 0 | 0.37 |
| 20 | 12 | 27137165 | T>C | 0 | 0 | 0 | 0.35 |
| 21 | 12 | 27411193 | T>G | 0 | 0 | 0 | 0.64 |
| 22 | 12 | 27559209 | T>C | 0 | 0 | 0 | 0 |
| 23 | 12 | 27561720 | G>A | 0 | 0 | 0 | 0.37 |
| 24 | 12 | 27570851 | A>G | 0 | 0 | 0 | 0 |
| 25 | 12 | 27635491 | A>C | 0 | 0.388333333 | 0 | 0 |
| 26 | 12 | 27647718 | T>C | 0 | 0.37 | 0 | 0 |
| 27 | 12 | 27893395 | A>G | 0 | 0.385 | 0 | 0 |
| 28 | 12 | 28123055 | G>C | 0 | 0 | 0 | 0 |
| 29 | 12 | 28348925 | A>C | 0 | 0 | 0 | 0.3166667 |
| 30 | 12 | 28426764 | A>G | 0 | 0.641666667 | 0 | 0 |
| 31 | 12 | 28427554 | G>C | 0 | 0.416666667 | 0 | 0.5566667 |
| 32 | 12 | 28427757 | C>A | 0 | 0.37 | 0 | 0.3166667 |
| 33 | 12 | 28428673 | A>G | 0 | 0 | 0 | 0 |
| 34 | 12 | 28539580 | G>A | 0 | 0 | 0 | 0 |
| 35 | 12 | 28629465 | T>C | 0 | 0 | 0 | 0.30333333 |
| 36 | 12 | 28629872 | G>A | 0 | 0 | 0 | 0.4766667 |
| 37 | 12 | 28674314 | A>G | 0 | 0 | 0 | 0 |
| 38 | 12 | 28701533 | C>T | 0 | 0.385 | 0 | 0 |
| 39 | 12 | 29476681 | T>C | 0 | 0 | 0 | 0.5266667 |
| 40 | 12 | 29477367 | A>G | 0 | 0.758333333 | 0 | 0.33333333 |
| 41 | 12 | 29498595 | T>C | 0 | 0 | 0.555 | 0 |
| 42 | 12 | 29559483 | A>G | 0 | 0 | 0 | 0.40333333 |
| 43 | 12 | 29781866 | G>A | 0 | 0.37 | 0 | 0 |
| 44 | 12 | 29814638 | A>G | 0 | 0.435 | 0 | 0.8 |
| 45 | 12 | 30892122 | C>T | 0 | 0 | 0 | 0.5 |
| 46 | 12 | 31568867 | C>T | 0 | 0 | 0 | 0 |
| 47 | 12 | 31569322 | C>T | 0 | 0 | 0 | 0 |
| 48 | 12 | 31588783 | T>C | 0 | 0 | 0 | 0.4766667 |
| 49 | 12 | 31601308 | C>A | 0 | 0 | 0.348333333 | 0 |
| 50 | 12 | 31664954 | G>A | 0 | 0.333333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 12 | 31706362 | C>T | 0 | 0 | 0 | 0 |
| 3 | 12 | 31707688 | C>T | 0 | 0 | 0 | 0.3433333 |
| 4 | 12 | 31832272 | T>C | 0 | 0 | 0 | 0.4766667 |
| 5 | 12 | 31837532 | A>G | 0 | 0.606666667 | 0 | 0 |
| 6 | 12 | 31876016 | T>C | 0 | 0 | 0 | 0 |
| 7 | 12 | 32282075 | T>G | 0 | 0.58 | 0 | 0.6466667 |
| 8 | 12 | 32322479 | T>C | 0 | 0.555 | 0 | 0 |
| 9 | 12 | 32373292 | G>A | 0 | 0 | 0 | 0.4533333 |
| 10 | 12 | 32373316 | C>T | 0 | 0 | 0 | 0 |
| 11 | 12 | 32451312 | A>G | 0 | 0.333333333 | 0 | 0.7066667 |
| 12 | 12 | 32505206 | T>C | 0 | 0 | 0 | 0.4333333 |
| 13 | 12 | 32696840 | T>C | 0 | 0.341666667 | 0 | 0 |
| 14 | 12 | 32700908 | A>G | 0 | 0.345 | 0 | 0 |
| 15 | 12 | 32700919 | G>C | 0 | 0 | 0 | 0 |
| 16 | 12 | 32867364 | G>A | 0 | 0 | 0 | 0 |
| 17 | 12 | 33566262 | T>A | 0 | 0 | 0 | 0.37 |
| 18 | 12 | 39133955 | A>T | 0 | 0.356666667 | 0.588333333 | 0 |
| 19 | 12 | 39135962 | A>C | 0 | 0.351666667 | 0 | 0.4433333 |
| 20 | 12 | 39178744 | T>C | 0 | 0 | 0 | 0.5333333 |
| 21 | 12 | 39792148 | C>T | 0 | 0.445 | 0 | 0 |
| 22 | 12 | 39958824 | T>G | 0 | 0 | 0 | 0.3033333 |
| 23 | 12 | 39960985 | G>C | 0 | 0 | 0 | 0.6066667 |
| 24 | 12 | 40061810 | A>G | 0 | 0 | 0 | 0 |
| 25 | 12 | 40294983 | G>A | 0 | 0 | 0 | 0 |
| 26 | 12 | 40326914 | T>C | 0 | 0.648333333 | 0 | 0.3266667 |
| 27 | 12 | 40364071 | A>T | 0 | 0 | 0 | 0 |
| 28 | 12 | 40372531 | G>A | 0 | 0.513333333 | 0 | 0 |
| 29 | 12 | 41219781 | G>A | 0 | 0.513333333 | 0 | 0 |
| 30 | 12 | 41240532 | C>T | 0 | 0 | 0 | 0 |
| 31 | 12 | 41241863 | C>T | 0 | 0 | 0 | 0 |
| 32 | 12 | 41281282 | T>G | 0 | 0 | 0 | 0 |
| 33 | 12 | 41281293 | G>A | 0 | 0 | 0 | 0 |
| 34 | 12 | 41626777 | A>T | 0 | 0.666666667 | 0 | 0 |
| 35 | 12 | 41677785 | T>C | 0 | 0 | 0 | 0.3566667 |
| 36 | 12 | 41872078 | T>C | 0 | 0 | 0 | 0 |
| 37 | 12 | 41897889 | A>G | 0 | 0 | 0 | 0.53 |
| 38 | 12 | 41962788 | A>G | 0 | 0 | 0 | 0 |
| 39 | 12 | 42493405 | G>A | 0 | 0 | 0 | 0.5566667 |
| 40 | 12 | 42531818 | T>C | 0 | 0.313333333 | 0 | 0.38 |
| 41 | 12 | 42574499 | T>C | 0 | 0.356666667 | 0 | 0 |
| 42 | 12 | 42605016 | A>G | 0 | 0 | 0 | 0 |
| 43 | 12 | 42619416 | A>G | 0 | 0.46 | 0 | 0 |
| 44 | 12 | 42718076 | G>A | 0 | 0.476666667 | 0 | 0 |
| 45 | 12 | 42855854 | T>C | 0 | 0 | 0 | 0.9633333 |
| 46 | 12 | 43752411 | A>G | 0 | 0 | 0.58 | 0.3033333 |
| 47 | 12 | 44289187 | T>A | 0 | 0 | 0 | 0.4033333 |
| 48 | 12 | 44387534 | T>G | 0 | 0 | 0 | 0.4533333 |
| 49 | 12 | 44387536 | T>C | 0 | 0 | 0 | 0.4333333 |
| 50 | 12 | 44489844 | A>G | 0 | 0 | 0 | 0.5133333 |
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| 1 | | | | | | | |
| 2 | 12 | 44666167 | C>A | 0 | 0 | 0 | 0 |
| 3 | 12 | 44666388 | C>A | 0 | 0 | 0 | 0 |
| 4 | 12 | 44748264 | A>G | 0 | 0 | 0 | 0 |
| 5 | 12 | 44767658 | G>A | 0 | 0.445 | 0 | 0 |
| 6 | 12 | 44952911 | C>T | 0 | 0.455 | 0 | 0 |
| 7 | 12 | 44954403 | G>A | 0 | 0.333333333 | 0 | 0 |
| 8 | 12 | 45028324 | A>T | 0 | 0 | 0.313333333 | 0.5366667 |
| 9 | 12 | 45078566 | T>C | 0 | 0 | 0 | 0 |
| 10 | 12 | 45079662 | C>T | 0 | 0 | 0 | 0.5066667 |
| 11 | 12 | 45139729 | G>A | 0 | 0.37 | 0 | 0 |
| 12 | 12 | 45253072 | T>C | 0 | 0 | 0 | 0.35 |
| 13 | 12 | 45634542 | G>C | 0 | 0.361666667 | 0 | 0.5 |
| 14 | 12 | 45634814 | A>G | 0 | 0 | 0 | 0.4433333 |
| 15 | 12 | 45634815 | G>A | 0 | 0 | 0 | 0.4433333 |
| 16 | 12 | 45714597 | G>C | 0 | 0 | 0 | 0 |
| 17 | 12 | 45788354 | T>C | 0 | 0.445 | 0 | 0 |
| 18 | 12 | 46275937 | A>G | 0 | 0 | 0 | 0 |
| 19 | 12 | 46349152 | G>A | 0 | 0.416666667 | 0 | 0 |
| 20 | 12 | 46362527 | T>C | 0 | 0.333333333 | 0 | 0 |
| 21 | 12 | 46627072 | A>G | 0 | 0.416666667 | 0 | 0 |
| 22 | 12 | 46640747 | T>C | 0 | 0 | 0 | 0 |
| 23 | 12 | 46644531 | A>T | 0 | 0 | 0 | 0.4 |
| 24 | 12 | 46645304 | A>T | 0 | 0.361666667 | 0 | 0 |
| 25 | 12 | 47608335 | G>A | 0 | 0 | 0 | 0 |
| 26 | 12 | 47622995 | G>A | 0 | 0 | 0 | 0.4066667 |
| 27 | 12 | 48071221 | C>A | 0 | 0.313333333 | 0 | 0.4166667 |
| 28 | 12 | 48085735 | T>A | 0 | 0 | 0 | 0.6666667 |
| 29 | 12 | 48263570 | C>T | 0 | 0.555 | 0 | 0 |
| 30 | 12 | 48265459 | A>G | 0 | 0 | 0 | 0.38 |
| 31 | 12 | 48448475 | G>A | 0 | 0 | 0 | 0.6066667 |
| 32 | 12 | 48490308 | T>A | 0 | 0.513333333 | 0 | 0 |
| 33 | 12 | 48536107 | C>T | 0 | 0 | 0 | 0 |
| 34 | 12 | 48579394 | T>C | 0 | 0 | 0 | 0 |
| 35 | 12 | 48736870 | C>A | 0 | 0 | 0 | 0 |
| 36 | 12 | 49091065 | A>G | 0 | 0 | 0 | 0.89 |
| 37 | 12 | 49100750 | A>G | 0 | 0.476666667 | 0 | 0 |
| 38 | 12 | 49146386 | G>T | 0 | 0.555 | 0 | 0 |
| 39 | 12 | 49233080 | G>A | 0 | 0.416666667 | 0 | 0 |
| 40 | 12 | 49349955 | T>C | 0 | 0 | 0 | 0 |
| 41 | 12 | 49415501 | A>G | 0 | 0 | 0 | 0 |
| 42 | 12 | 49498526 | C>T | 0 | 0 | 0 | 0 |
| 43 | 12 | 49662097 | T>G | 0 | 0 | 0 | 0 |
| 44 | 12 | 49776912 | T>C | 0 | 0.351666667 | 0 | 0 |
| 45 | 12 | 49780135 | C>T | 0 | 0.365 | 0 | 0 |
| 46 | 12 | 49834478 | T>C | 0 | 0.376666667 | 0 | 0.5466667 |
| 47 | 12 | 49853608 | A>G | 0 | 0 | 0 | 0.5566667 |
| 48 | 12 | 49869488 | G>A | 0 | 0 | 0 | 0.3133333 |
| 49 | 12 | 49881041 | A>G | 0 | 0.438333333 | 0 | 0 |
| 50 | 12 | 49889170 | T>C | 0 | 0.588333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 12 | 49895576 | G>A | 0 | 0 | 0 | 0.3133333 |
| 3 | 12 | 50038292 | G>A | 0 | 0 | 0 | 0 |
| 4 | 12 | 50075989 | A>G | 0 | 0 | 0 | 0.6266667 |
| 5 | 12 | 50148813 | T>C | 0 | 0.391666667 | 0 | 0 |
| 6 | 12 | 50357950 | G>T | 0 | 0 | 0 | 0 |
| 7 | 12 | 50396564 | A>G | 0 | 0.476666667 | 0 | 0.3433333 |
| 8 | 12 | 50406224 | A>G | 0 | 0.506666667 | 0 | 0 |
| 9 | 12 | 50512293 | G>A | 0 | 0 | 0 | 0 |
| 10 | 12 | 50588023 | T>C | 0 | 0.416666667 | 0 | 0 |
| 11 | 12 | 50603573 | A>C | 0 | 0.455 | 0 | 0 |
| 12 | 12 | 50624588 | T>C | 0 | 0 | 0 | 0 |
| 13 | 12 | 50722401 | A>C | 0 | 0.416666667 | 0 | 0 |
| 14 | 12 | 50727144 | A>G | 0 | 0.345 | 0 | 0 |
| 15 | 12 | 50733736 | A>T | 0 | 0.351666667 | 0 | 0 |
| 16 | 12 | 50769085 | A>C | 0 | 0.356666667 | 0 | 0 |
| 17 | 12 | 50815220 | A>T | 0 | 0 | 0 | 0 |
| 18 | 12 | 50816822 | T>C | 0 | 0.346666667 | 0 | 0.5266667 |
| 19 | 12 | 50825705 | T>C | 0 | 0.445 | 0 | 0 |
| 20 | 12 | 50863172 | A>G | 0 | 0 | 0 | 0 |
| 21 | 12 | 50863212 | T>C | 0 | 0.303333333 | 0 | 0 |
| 22 | 12 | 50863214 | C>A | 0 | 0.303333333 | 0 | 0 |
| 23 | 12 | 50910500 | A>G | 0 | 0 | 0 | 0 |
| 24 | 12 | 51052116 | T>C | 0 | 0.37 | 0 | 0 |
| 25 | 12 | 51056830 | C>T | 0 | 0.416666667 | 0 | 0 |
| 26 | 12 | 51169843 | G>C | 0 | 0.438333333 | 0 | 0 |
| 27 | 12 | 51321068 | T>C | 0 | 0 | 0 | 0 |
| 28 | 12 | 51324502 | T>G | 0 | 0.356666667 | 0 | 0 |
| 29 | 12 | 51324634 | T>G | 0 | 0 | 0 | 0.7966667 |
| 30 | 12 | 51397209 | G>C | 0 | 0 | 0 | 0 |
| 31 | 12 | 51469725 | G>T | 0 | 0 | 0 | 0.3133333 |
| 32 | 12 | 51505410 | A>G | 0 | 0 | 0 | 0.3433333 |
| 33 | 12 | 51562822 | G>T | 0 | 0 | 0 | 0.6666667 |
| 34 | 12 | 51586544 | T>C | 0 | 0 | 0 | 0 |
| 35 | 12 | 52046914 | A>G | 0 | 0 | 0 | 0 |
| 36 | 12 | 52056593 | G>A | 0 | 0 | 0 | 0 |
| 37 | 12 | 52074713 | G>A | 0 | 0.438333333 | 0 | 0 |
| 38 | 12 | 52307562 | C>T | 0 | 0 | 0 | 0 |
| 39 | 12 | 52635979 | A>C | 0 | 0 | 0 | 0 |
| 40 | 12 | 52758746 | T>C | 0 | 0 | 0 | 0 |
| 41 | 12 | 52779371 | A>G | 0 | 0 | 0 | 0 |
| 42 | 12 | 53235176 | T>C | 0 | 0 | 0 | 0.6466667 |
| 43 | 12 | 53237272 | G>A | 0 | 0 | 0 | 0 |
| 44 | 12 | 53305637 | A>G | 0 | 0.555 | 0 | 0 |
| 45 | 12 | 53318048 | C>T | 0 | 0 | 0 | 0 |
| 46 | 12 | 53342570 | G>A | 0 | 0.385 | 0 | 0 |
| 47 | 12 | 53706142 | A>G | 0 | 0 | 0 | 0.5266667 |
| 48 | 12 | 53800055 | A>G | 0 | 0 | 0 | 0.3333333 |
| 49 | 12 | 54367110 | G>A | 0 | 0 | 0 | 0 |
| 50 | 12 | 54396205 | G>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 12 | 54654876 | A>G | 0 | 0.583333333 | 0 | 0 |
| 3 | 12 | 54656905 | T>G | 0 | 0 | 0.4 | 0 |
| 4 | 12 | 54776860 | G>T | 0 | 0 | 0 | 0 |
| 5 | 12 | 54778354 | G>A | 0 | 0 | 0 | 0 |
| 6 | 12 | 54778386 | T>C | 0 | 0 | 0 | 0 |
| 7 | | | | | | | |
| 8 | 12 | 56093972 | G>A | 0 | 0.416666667 | 0 | 0 |
| 9 | 12 | 56096140 | G>A | 0 | 0.361666667 | 0 | 0.35 |
| 10 | 12 | 56115140 | A>G | 0 | 0 | 0 | 0 |
| 11 | 12 | 56118297 | G>A | 0 | 0 | 0 | 0 |
| 12 | 12 | 56164947 | A>G | 0 | 0 | 0 | 0.6466667 |
| 13 | 12 | 56337831 | A>G | 0 | 0.521666667 | 0 | 0 |
| 14 | 12 | 56343884 | A>G | 0 | 0 | 0 | 0.5266667 |
| 15 | 12 | 56402741 | A>G | 0 | 0 | 0 | 0.3233333 |
| 16 | 12 | 56412854 | T>G | 0 | 0.476666667 | 0 | 0.3033333 |
| 17 | 12 | 56412946 | A>G | 0 | 0 | 0 | 0.7566667 |
| 18 | 12 | 56494254 | C>T | 0 | 0 | 0 | 0 |
| 19 | 12 | 56566365 | C>A | 0 | 0 | 0 | 0 |
| 20 | 12 | 56636963 | G>T | 0 | 0 | 0 | 0 |
| 21 | 12 | 56662863 | A>T | 0 | 0 | 0 | 0 |
| 22 | 12 | 56877934 | A>G | 0 | 0.356666667 | 0 | 0 |
| 23 | 12 | 56880373 | G>C | 0 | 0.573333333 | 0 | 0 |
| 24 | 12 | 56953158 | A>G | 0 | 0 | 0 | 0.4033333 |
| 25 | 12 | 56960517 | G>A | 0 | 0 | 0 | 0 |
| 26 | 12 | 57156688 | C>T | 0 | 0 | 0 | 0.5133333 |
| 27 | 12 | 57174382 | T>C | 0 | 0 | 0 | 0 |
| 28 | 12 | 57174453 | G>T | 0 | 0 | 0 | 0.57 |
| 29 | 12 | 57468614 | A>T | 0 | 0.313333333 | 0 | 0 |
| 30 | 12 | 57600828 | A>T | 0 | 0.521666667 | 0 | 0 |
| 31 | 12 | 57642299 | C>T | 0 | 0.438333333 | 0 | 0 |
| 32 | 12 | 57675537 | A>G | 0 | 0 | 0 | 0 |
| 33 | 12 | 57675539 | A>G | 0 | 0 | 0 | 0 |
| 34 | 12 | 57677280 | A>G | 0 | 0.715 | 0 | 0 |
| 35 | 12 | 57739703 | T>G | 0 | 0 | 0 | 0.3033333 |
| 36 | 12 | 57770533 | C>G | 0 | 0 | 0 | 0 |
| 37 | 12 | 57781158 | G>A | 0 | 0 | 0 | 0.5233333 |
| 38 | 12 | 57834360 | C>T | 0 | 0.37 | 0 | 0 |
| 39 | 12 | 57904011 | G>C | 0 | 0.455 | 0 | 0 |
| 40 | 12 | 57923094 | C>G | 0 | 0 | 0 | 0 |
| 41 | 12 | 58096908 | A>G | 0 | 0.513333333 | 0 | 0 |
| 42 | 12 | 58141732 | T>C | 0 | 0 | 0 | 0.4266667 |
| 43 | 12 | 58168017 | C>A | 0 | 0.46 | 0 | 0 |
| 44 | 12 | 58201211 | C>T | 0 | 0 | 0 | 0 |
| 45 | 12 | 59060033 | C>A | 0 | 0.333333333 | 0 | 0.4166667 |
| 46 | 12 | 59192124 | A>G | 0 | 0.5 | 0 | 0 |
| 47 | 12 | 60149090 | T>C | 0 | 0 | 0 | 0 |
| 48 | 12 | 60171809 | C>A | 0 | 0 | 0 | 0 |
| 49 | 12 | 60171825 | A>G | 0 | 0 | 0 | 0.5866667 |
| 50 | 12 | 62321573 | A>G | 0 | 0 | 0 | 0 |
| 51 | 12 | 62321868 | C>G | 0 | 0 | 0 | 0.4933333 |
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| 1 | | | | | | | |
| 2 | 12 | 62722938 | T>A | 0 | 0.37 | 0 | 0 |
| 3 | 12 | 62865145 | A>G | 0 | 0 | 0 | 0.37 |
| 4 | 12 | 62889284 | T>C | 0 | 0 | 0.521666667 | 0 |
| 5 | 12 | 62909400 | T>C | 0 | 0.431666667 | 0 | 0 |
| 6 | 12 | 62996502 | G>C | 0 | 0 | 0 | 0.33333333 |
| 7 | 12 | 63195815 | G>C | 0 | 0 | 0 | 0 |
| 8 | 12 | 63216619 | G>A | 0 | 0 | 0 | 0 |
| 9 | 12 | 63273362 | G>A | 0 | 0.416666667 | 0 | 0 |
| 10 | 12 | 63289987 | C>A | 0 | 0 | 0 | 0 |
| 11 | 12 | 63307759 | C>T | 0 | 0 | 0 | 0.4766667 |
| 12 | 12 | 63314744 | G>A | 0 | 0.351666667 | 0 | 0 |
| 13 | 12 | 64193251 | T>A | 0 | 0 | 0 | 0 |
| 14 | 12 | 64255715 | G>A | 0 | 0.351666667 | 0 | 0.31333333 |
| 15 | 12 | 64257327 | T>C | 0 | 0 | 0 | 0 |
| 16 | 12 | 64366914 | T>C | 0 | 0.416666667 | 0 | 0 |
| 17 | 12 | 64427414 | T>C | 0 | 0.476666667 | 0 | 0 |
| 18 | 12 | 64504186 | C>T | 0 | 0.666666667 | 0 | 0 |
| 19 | 12 | 64603207 | C>A | 0 | 0 | 0.303333333 | 0 |
| 20 | 12 | 64603269 | T>G | 0 | 0.476666667 | 0 | 0 |
| 21 | 12 | 64761447 | A>G | 0 | 0 | 0 | 0 |
| 22 | 12 | 64765350 | T>C | 0 | 0 | 0.308333333 | 0 |
| 23 | 12 | 65057544 | T>C | 0 | 0 | 0 | 0 |
| 24 | 12 | 65060706 | C>A | 0 | 0 | 0 | 0 |
| 25 | 12 | 65073053 | T>C | 0 | 0.416666667 | 0.366666667 | 0 |
| 26 | 12 | 65118511 | C>T | 0 | 0.316666667 | 0 | 0 |
| 27 | 12 | 65244158 | C>T | 0 | 0 | 0.438333333 | 0 |
| 28 | 12 | 65564320 | G>C | 0 | 0 | 0 | 0 |
| 29 | 12 | 65630071 | T>C | 0 | 0.445 | 0 | 0 |
| 30 | 12 | 65677393 | T>A | 0 | 0.333333333 | 0 | 0 |
| 31 | 12 | 65742151 | A>G | 0 | 0 | 0.333333333 | 0.4766667 |
| 32 | 12 | 65764842 | C>T | 0 | 0 | 0 | 0.49 |
| 33 | 12 | 66276124 | A>G | 0 | 0 | 0 | 0 |
| 34 | 12 | 66281253 | T>C | 0 | 0.37 | 0 | 0 |
| 35 | 12 | 66617166 | G>A | 0 | 0 | 0 | 0 |
| 36 | 12 | 66779563 | A>T | 0 | 0.416666667 | 0 | 0 |
| 37 | 12 | 66884681 | A>C | 0 | 0.606666667 | 0 | 0 |
| 38 | 12 | 66884708 | C>T | 0 | 0.455 | 0 | 0 |
| 39 | 12 | 66884733 | A>G | 0 | 0.316666667 | 0 | 0 |
| 40 | 12 | 67023959 | T>C | 0 | 0.575 | 0 | 0 |
| 41 | 12 | 67672474 | A>T | 0 | 0 | 0 | 0.4766667 |
| 42 | 12 | 67680026 | A>G | 0 | 0 | 0 | 0.52 |
| 43 | 12 | 67680070 | T>G | 0 | 0 | 0 | 0.6866667 |
| 44 | 12 | 69005510 | C>A | 0 | 0 | 0 | 0 |
| 45 | 12 | 69086601 | T>C | 0 | 0.77 | 0 | 0 |
| 46 | 12 | 69088563 | C>T | 0 | 0.555 | 0 | 0 |
| 47 | 12 | 69096744 | T>C | 0 | 0 | 0 | 1 |
| 48 | 12 | 69126676 | G>T | 0 | 0.316666667 | 0 | 0 |
| 49 | 12 | 69146778 | A>T | 0 | 0 | 0 | 0.35 |
| 50 | 12 | 69220752 | T>C | 0 | 0 | 0 | 0.36 |
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|----|----|----------|-----|---|--------------|--------------|------------|
| 1 | 12 | 69303430 | T>G | 0 | 0 | 0 | 0 |
| 2 | 12 | 69306064 | T>C | 0 | 0 | 0 | 0.33333333 |
| 3 | 12 | 69917078 | G>C | 0 | 0.4383333333 | 0 | 0 |
| 4 | 12 | 69932878 | A>G | 0 | 0 | 0.356666667 | 0 |
| 5 | 12 | 69946976 | C>T | 0 | 0.476666667 | 0 | 0 |
| 6 | 12 | 70189829 | T>C | 0 | 0 | 0 | 0.5266667 |
| 7 | 12 | 70747807 | T>C | 0 | 0 | 0 | 0 |
| 8 | 12 | 70796156 | T>C | 0 | 0.625 | 0 | 0 |
| 9 | 12 | 71023293 | A>C | 0 | 0.376666667 | 0 | 0 |
| 10 | 12 | 71152442 | G>A | 0 | 0.455 | 0 | 0 |
| 11 | 12 | 71214274 | T>C | 0 | 0.37 | 0 | 0 |
| 12 | 12 | 71974374 | A>G | 0 | 0.3333333333 | 0 | 0 |
| 13 | 12 | 72018580 | G>C | 0 | 0.3333333333 | 0 | 0 |
| 14 | 12 | 72027638 | G>A | 0 | 0 | 0 | 0.6666667 |
| 15 | 12 | 72027652 | A>G | 0 | 0.356666667 | 0 | 0.36 |
| 16 | 12 | 72034068 | T>G | 0 | 0 | 0.3333333333 | 0 |
| 17 | 12 | 72057100 | G>C | 0 | 0 | 0 | 0 |
| 18 | 12 | 72178827 | G>A | 0 | 0.555 | 0 | 0 |
| 19 | 12 | 72249263 | C>T | 0 | 0 | 0 | 0 |
| 20 | 12 | 72299775 | T>C | 0 | 0.666666667 | 0 | 0 |
| 21 | 12 | 72909742 | C>T | 0 | 0 | 0 | 0 |
| 22 | 12 | 72987671 | T>A | 0 | 0.391666667 | 0 | 0 |
| 23 | 12 | 72988077 | T>C | 0 | 0.351666667 | 0 | 0.6066667 |
| 24 | 12 | 73048877 | A>G | 0 | 0 | 0 | 0.4766667 |
| 25 | 12 | 75677401 | T>C | 0 | 0.416666667 | 0 | 0 |
| 26 | 12 | 75748552 | A>C | 0 | 0.401666667 | 0 | 0 |
| 27 | 12 | 76934998 | T>C | 0 | 0.555 | 0 | 0 |
| 28 | 12 | 77187128 | T>C | 0 | 0.3883333333 | 0 | 0 |
| 29 | 12 | 77187856 | G>A | 0 | 0 | 0 | 0.37 |
| 30 | 12 | 77187866 | T>C | 0 | 0 | 0 | 0.32333333 |
| 31 | 12 | 78248690 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 32 | 12 | 78325553 | C>A | 0 | 0.445 | 0 | 0 |
| 33 | 12 | 78603873 | G>T | 0 | 0 | 0 | 0 |
| 34 | 12 | 79437994 | C>A | 0 | 0.385 | 0 | 0 |
| 35 | 12 | 79550287 | T>G | 0 | 0 | 0 | 0.3266667 |
| 36 | 12 | 79670217 | A>G | 0 | 0.5133333333 | 0 | 0 |
| 37 | 12 | 79717918 | A>G | 0 | 0.396666667 | 0 | 0 |
| 38 | 12 | 79989561 | A>G | 0 | 0.4 | 0 | 0 |
| 39 | 12 | 80032881 | C>T | 0 | 0 | 0 | 0 |
| 40 | 12 | 80032882 | A>G | 0 | 0 | 0 | 0 |
| 41 | 12 | 80054791 | C>T | 0 | 0.426666667 | 0 | 0 |
| 42 | 12 | 80682075 | A>G | 0 | 0 | 0 | 0 |
| 43 | 12 | 80689176 | T>C | 0 | 0 | 0 | 0 |
| 44 | 12 | 80916347 | G>A | 0 | 0.476666667 | 0 | 0.5 |
| 45 | 12 | 80964431 | T>C | 0 | 0 | 0.316666667 | 0 |
| 46 | 12 | 81574370 | T>C | 0 | 0 | 0 | 0.4166667 |
| 47 | 12 | 81574388 | A>G | 0 | 0 | 0 | 0 |
| 48 | 12 | 81611376 | T>C | 0 | 0.3233333333 | 0 | 0 |
| 49 | 12 | 81869660 | C>T | 0 | 0.416666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 12 | 81871739 | T>A | 0 | 0.455 | 0 | 0 |
| 3 | 12 | 81875518 | C>T | 0 | 0.416666667 | 0 | 0 |
| 4 | 12 | 81876021 | A>G | 0 | 0.303333333 | 0 | 0 |
| 5 | 12 | 82004552 | G>A | 0 | 0 | 0 | 0 |
| 6 | 12 | 83156024 | G>A | 0 | 0 | 0 | 0.4266667 |
| 7 | 12 | 83259742 | T>C | 0 | 0 | 0 | 1 |
| 8 | 12 | 83432927 | T>G | 0 | 0 | 0 | 0.57 |
| 9 | 12 | 85265840 | C>G | 0 | 0.555 | 0 | 0 |
| 10 | 12 | 85291956 | C>T | 0 | 0.351666667 | 0 | 0 |
| 11 | 12 | 85304450 | G>A | 0 | 0.303333333 | 0.521666667 | 0 |
| 12 | 12 | 85440540 | T>A | 0 | 0.416666667 | 0 | 0 |
| 13 | 12 | 85442093 | C>T | 0 | 0.378333333 | 0 | 0 |
| 14 | 12 | 85473214 | A>G | 0 | 0.476666667 | 0 | 0 |
| 15 | 12 | 85621635 | C>A | 0 | 0 | 0 | 0 |
| 16 | 12 | 85621946 | C>A | 0 | 0.513333333 | 0 | 0 |
| 17 | 12 | 86437445 | A>C | 0 | 0 | 0 | 0.3166667 |
| 18 | 12 | 88417207 | T>C | 0 | 0.333333333 | 0 | 0.5966667 |
| 19 | 12 | 88445211 | T>G | 0 | 0.533333333 | 0 | 0 |
| 20 | 12 | 88959398 | T>C | 0 | 0 | 0 | 0.5133333 |
| 21 | 12 | 89746330 | T>C | 0 | 0 | 0 | 0 |
| 22 | 12 | 89836050 | T>C | 0 | 0.303333333 | 0 | 0 |
| 23 | 12 | 89836051 | A>G | 0 | 0.303333333 | 0 | 0 |
| 24 | 12 | 89863915 | T>C | 0 | 0.37 | 0 | 0.7233333 |
| 25 | 12 | 92407508 | A>G | 0 | 0.588333333 | 0 | 0 |
| 26 | 12 | 92409830 | A>G | 0 | 0.416666667 | 0 | 0 |
| 27 | 12 | 92410918 | G>A | 0 | 0 | 0 | 0.9533333 |
| 28 | 12 | 92453090 | A>T | 0 | 0.333333333 | 0 | 0 |
| 29 | 12 | 92487063 | C>T | 0 | 0.4 | 0 | 0 |
| 30 | 12 | 92524696 | G>C | 0 | 0.416666667 | 0 | 0 |
| 31 | 12 | 93186814 | G>T | 0 | 0 | 0 | 0 |
| 32 | 12 | 93187313 | A>T | 0 | 0.37 | 0 | 0 |
| 33 | 12 | 93319882 | A>G | 0 | 0 | 0 | 0 |
| 34 | 12 | 93569159 | T>C | 0 | 0.435 | 0 | 0 |
| 35 | 12 | 93789040 | A>G | 0 | 0.533333333 | 0 | 0.3566667 |
| 36 | 12 | 93874010 | T>C | 0 | 0.346666667 | 0 | 0 |
| 37 | 12 | 94084509 | C>T | 0 | 0.513333333 | 0 | 0 |
| 38 | 12 | 94174809 | A>G | 0 | 0 | 0.308333333 | 0.5566667 |
| 39 | 12 | 94677326 | G>T | 0 | 0.666666667 | 0 | 0 |
| 40 | 12 | 94687434 | G>A | 0 | 0.416666667 | 0 | 0 |
| 41 | 12 | 94725335 | T>C | 0 | 0.438333333 | 0 | 0 |
| 42 | 12 | 94783539 | C>T | 0 | 0.695 | 0 | 0 |
| 43 | 12 | 94819724 | A>G | 0 | 0.313333333 | 0 | 0 |
| 44 | 12 | 94966283 | T>C | 0 | 0 | 0 | 0 |
| 45 | 12 | 95024707 | A>G | 0 | 0.351666667 | 0 | 0 |
| 46 | 12 | 95024708 | C>T | 0 | 0 | 0 | 0.35 |
| 47 | 12 | 95392962 | C>T | 0 | 0.445 | 0 | 0 |
| 48 | 12 | 95419775 | G>A | 0 | 0 | 0 | 0 |
| 49 | 12 | 95439884 | A>G | 0 | 0 | 0.306666667 | 0 |
| 50 | 12 | 95452903 | G>T | 0 | 0.476666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 12 | 95476107 | C>T | 0 | 0.416666667 | 0 | 0 |
| 3 | 12 | 95500550 | G>A | 0 | 0 | 0 | 0 |
| 4 | 12 | 95525052 | T>A | 0 | 0 | 0 | 0 |
| 5 | 12 | 95525151 | T>C | 0 | 0.34 | 0 | 0 |
| 6 | 12 | 95525170 | A>C | 0 | 0.316666667 | 0 | 0 |
| 7 | 12 | 95533621 | T>C | 0 | 0.333333333 | 0 | 0 |
| 8 | 12 | 95534183 | A>G | 0 | 0 | 0 | 0 |
| 9 | 12 | 96071705 | G>A | 0 | 0.303333333 | 0 | 0 |
| 10 | 12 | 96170594 | A>C | 0 | 0 | 0.555 | 0 |
| 11 | 12 | 96174704 | T>A | 0 | 0.606666667 | 0 | 0 |
| 12 | 12 | 96215092 | T>G | 0 | 0.463333333 | 0 | 0.34333333 |
| 13 | 12 | 96215229 | C>T | 0 | 0.308333333 | 0 | 0 |
| 14 | 12 | 96319439 | A>G | 0 | 0 | 0 | 0 |
| 15 | 12 | 96418713 | A>T | 0 | 0 | 0 | 0.43 |
| 16 | 12 | 96658294 | T>C | 0 | 0 | 0 | 0.6666667 |
| 17 | 12 | 96693430 | A>G | 0 | 0 | 0.365 | 0.3333333 |
| 18 | 12 | 96756169 | C>G | 0 | 0 | 0 | 0 |
| 19 | 12 | 96933263 | T>C | 0 | 0.37 | 0 | 0.3833333 |
| 20 | 12 | 96993970 | A>G | 0 | 0 | 0.303333333 | 0.7066667 |
| 21 | 12 | 96996679 | C>T | 0 | 0.463333333 | 0 | 0 |
| 22 | 12 | 97005762 | G>A | 0 | 0.46 | 0 | 0 |
| 23 | 12 | 97007279 | A>G | 0 | 0 | 0 | 0 |
| 24 | 12 | 97007302 | T>C | 0 | 0 | 0 | 0 |
| 25 | 12 | 97032997 | G>A | 0 | 0.385 | 0 | 0 |
| 26 | 12 | 97040523 | G>A | 0 | 0.513333333 | 0 | 0 |
| 27 | 12 | 97114538 | G>A | 0 | 0.391666667 | 0 | 0 |
| 28 | 12 | 97165234 | T>G | 0 | 0.313333333 | 0 | 0 |
| 29 | 12 | 97209772 | A>G | 0 | 0.416666667 | 0 | 0 |
| 30 | 12 | 97242347 | T>C | 0 | 0 | 0 | 0 |
| 31 | 12 | 97328596 | G>A | 0 | 0.37 | 0 | 0 |
| 32 | 12 | 99053869 | G>A | 0 | 0 | 0 | 0.5566667 |
| 33 | 12 | 99058009 | G>C | 0 | 0 | 0 | 0.3033333 |
| 34 | 12 | 99058011 | A>G | 0 | 0 | 0 | 0.4666667 |
| 35 | 12 | 99153619 | G>A | 0 | 0 | 0 | 0 |
| 36 | 12 | 99289052 | C>A | 0 | 0 | 0 | 0 |
| 37 | 12 | 99359534 | C>T | 0 | 0 | 0 | 0.58 |
| 38 | 12 | 99359959 | A>T | 0 | 0 | 0.313333333 | 0 |
| 39 | 12 | 99412550 | A>G | 0 | 0 | 0 | 0.4933333 |
| 40 | 12 | 99440395 | C>G | 0 | 0.356666667 | 0 | 0.3266667 |
| 41 | 12 | 99583900 | A>C | 0 | 0.595 | 0 | 0 |
| 42 | 12 | 99633671 | A>G | 0 | 0.435 | 0 | 0.6666667 |
| 43 | 12 | 99635803 | A>C | 0 | 0.455 | 0 | 0.36 |
| 44 | 12 | 99636028 | T>C | 0 | 0 | 0.356666667 | 0 |
| 45 | 12 | 99686798 | C>T | 0 | 0.313333333 | 0 | 0 |
| 46 | 12 | 99710084 | G>A | 0 | 0 | 0 | 0 |
| 47 | 12 | 99713391 | T>G | 0 | 0 | 0 | 0.35 |
| 48 | 12 | 99714635 | A>G | 0 | 0.455 | 0 | 1 |
| 49 | 12 | 99770868 | T>C | 0 | 0.351666667 | 0 | 0 |
| 50 | 12 | 99823498 | C>T | 0 | 0 | 0 | 1 |
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| 1 | | | | | | | |
| 2 | 12 | 1E+08 | A>G | 0 | 0 | 0 | 0.8 |
| 3 | 12 | 1E+08 | T>A | 0 | 0.555 | 0 | 0 |
| 4 | 12 | 1E+08 | G>A | 0 | 0 | 0 | 0 |
| 5 | 12 | 1.01E+08 | A>G | 0 | 0.346666667 | 0 | 0 |
| 6 | 12 | 1.01E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | 12 | 1.01E+08 | T>A | 0 | 0.5 | 0 | 0 |
| 8 | 12 | 1.01E+08 | C>T | 0 | 0.4 | 0 | 0 |
| 9 | 12 | 1.01E+08 | C>A | 0 | 0.466666667 | 0 | 0.71333333 |
| 10 | 12 | 1.01E+08 | A>C | 0 | 0.323333333 | 0 | 0 |
| 11 | 12 | 1.01E+08 | T>C | 0 | 0 | 0 | 0 |
| 12 | 12 | 1.01E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 13 | 12 | 1.01E+08 | A>T | 0 | 0 | 0 | 0.39333333 |
| 14 | 12 | 1.01E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 15 | 12 | 1.01E+08 | A>G | 0 | 0.396666667 | 0 | 0.37 |
| 16 | 12 | 1.01E+08 | G>C | 0 | 0 | 0 | 0.44 |
| 17 | 12 | 1.01E+08 | C>A | 0 | 0.513333333 | 0 | 0 |
| 18 | 12 | 1.02E+08 | T>A | 0 | 0.5 | 0 | 0.43333333 |
| 19 | 12 | 1.02E+08 | T>C | 0 | 0 | 0 | 0 |
| 20 | 12 | 1.02E+08 | C>T | 0 | 0.306666667 | 0 | 0 |
| 21 | 12 | 1.02E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 22 | 12 | 1.02E+08 | C>T | 0 | 0 | 0 | 0.53333333 |
| 23 | 12 | 1.02E+08 | A>G | 0 | 0.303333333 | 0 | 0 |
| 24 | 12 | 1.02E+08 | A>T | 0 | 0.306666667 | 0 | 0 |
| 25 | 12 | 1.03E+08 | T>C | 0 | 0 | 0.391666667 | 0 |
| 26 | 12 | 1.03E+08 | A>G | 0 | 0.555 | 0 | 0 |
| 27 | 12 | 1.03E+08 | G>A | 0 | 0.79 | 0 | 0 |
| 28 | 12 | 1.04E+08 | T>C | 0 | 0 | 0 | 0 |
| 29 | 12 | 1.04E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 30 | 12 | 1.04E+08 | A>G | 0 | 0.316666667 | 0 | 0 |
| 31 | 12 | 1.04E+08 | T>C | 0 | 0 | 0 | 0.6066667 |
| 32 | 12 | 1.04E+08 | T>G | 0 | 0 | 0.37 | 0 |
| 33 | 12 | 1.04E+08 | T>A | 0 | 0.416666667 | 0 | 0.4766667 |
| 34 | 12 | 1.04E+08 | A>G | 0 | 0 | 0.333333333 | 0.6166667 |
| 35 | 12 | 1.04E+08 | A>G | 0 | 0.356666667 | 0 | 0 |
| 36 | 12 | 1.04E+08 | A>G | 0 | 0 | 0 | 0 |
| 37 | 12 | 1.04E+08 | A>G | 0 | 0.313333333 | 0 | 0.53 |
| 38 | 12 | 1.05E+08 | A>G | 0 | 0 | 0 | 0.38333333 |
| 39 | 12 | 1.05E+08 | G>C | 0 | 0.715 | 0 | 0 |
| 40 | 12 | 1.05E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 12 | 1.05E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 42 | 12 | 1.05E+08 | A>T | 0 | 0 | 0 | 0 |
| 43 | 12 | 1.05E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 44 | 12 | 1.05E+08 | G>A | 0 | 0 | 0 | 0 |
| 45 | 12 | 1.05E+08 | G>T | 0 | 0 | 0 | 0 |
| 46 | 12 | 1.05E+08 | C>T | 0 | 0 | 0 | 0 |
| 47 | 12 | 1.05E+08 | T>C | 0 | 0.351666667 | 0 | 0.4166667 |
| 48 | 12 | 1.05E+08 | C>T | 0 | 0 | 0 | 0.5866667 |
| 49 | 12 | 1.05E+08 | G>A | 0 | 0 | 0 | 0 |
| 50 | 12 | 1.06E+08 | G>A | 0 | 0.435 | 0 | 0.64 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 12 | 1.06E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 3 | 12 | 1.07E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 12 | 1.07E+08 | T>G | 0 | 0 | 0 | 0.58 |
| 5 | 12 | 1.07E+08 | A>G | 0 | 0 | 0 | 0.5566667 |
| 6 | 12 | 1.07E+08 | G>A | 0 | 0.476666667 | 0 | 0 |
| 7 | 12 | 1.07E+08 | A>G | 0 | 0.463333333 | 0 | 0 |
| 8 | 12 | 1.07E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 9 | 12 | 1.07E+08 | C>T | 0 | 0 | 0 | 0.43 |
| 10 | 12 | 1.07E+08 | A>G | 0 | 0.521666667 | 0.455 | 0 |
| 11 | 12 | 1.08E+08 | A>G | 0 | 0 | 0.396666667 | 0 |
| 12 | 12 | 1.08E+08 | G>C | 0 | 0.351666667 | 0 | 0 |
| 13 | 12 | 1.08E+08 | T>C | 0 | 0.666666667 | 0 | 0.3333333 |
| 14 | 12 | 1.09E+08 | C>T | 0 | 0.641666667 | 0 | 0 |
| 15 | 12 | 1.09E+08 | T>C | 0 | 0.435 | 0 | 0 |
| 16 | 12 | 1.09E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 12 | 1.09E+08 | T>C | 0 | 0 | 0 | 0.3033333 |
| 18 | 12 | 1.09E+08 | T>G | 0 | 0 | 0 | 0 |
| 19 | 12 | 1.1E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 20 | 12 | 1.1E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 21 | 12 | 1.1E+08 | A>T | 0 | 0 | 0 | 0 |
| 22 | 12 | 1.1E+08 | C>A | 0 | 0.416666667 | 0 | 0 |
| 23 | 12 | 1.1E+08 | T>C | 0 | 0.351666667 | 0 | 0 |
| 24 | 12 | 1.1E+08 | C>T | 0 | 0 | 0 | 0 |
| 25 | 12 | 1.1E+08 | A>G | 0 | 0.606666667 | 0 | 0 |
| 26 | 12 | 1.1E+08 | C>T | 0 | 0.303333333 | 0 | 0 |
| 27 | 12 | 1.1E+08 | T>C | 0 | 0 | 0 | 0 |
| 28 | 12 | 1.11E+08 | C>G | 0 | 0 | 0 | 0.4033333 |
| 29 | 12 | 1.11E+08 | G>A | 0 | 0 | 0.333333333 | 0.37 |
| 30 | 12 | 1.11E+08 | T>A | 0 | 0 | 0 | 0.3333333 |
| 31 | 12 | 1.11E+08 | A>G | 0 | 0.595 | 0 | 0.3933333 |
| 32 | 12 | 1.11E+08 | C>T | 0 | 0.356666667 | 0 | 0 |
| 33 | 12 | 1.11E+08 | T>C | 0 | 0 | 0 | 0.5 |
| 34 | 12 | 1.11E+08 | C>T | 0 | 0 | 0 | 0.3333333 |
| 35 | 12 | 1.11E+08 | A>G | 0 | 0 | 0 | 0.3933333 |
| 36 | 12 | 1.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 37 | 12 | 1.11E+08 | A>G | 0 | 0 | 0 | 0 |
| 38 | 12 | 1.11E+08 | C>A | 0 | 0 | 0 | 0.5366667 |
| 39 | 12 | 1.12E+08 | T>G | 0 | 0.455 | 0 | 0 |
| 40 | 12 | 1.12E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 41 | 12 | 1.12E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 42 | 12 | 1.12E+08 | A>G | 0 | 0.595 | 0 | 0 |
| 43 | 12 | 1.12E+08 | G>A | 0 | 0.303333333 | 0 | 0.4166667 |
| 44 | 12 | 1.12E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 45 | 12 | 1.12E+08 | G>T | 0 | 0.555 | 0 | 0 |
| 46 | 12 | 1.12E+08 | C>T | 0 | 0.37 | 0 | 0 |
| 47 | 12 | 1.12E+08 | G>T | 0 | 0 | 0 | 0 |
| 48 | 12 | 1.12E+08 | G>C | 0 | 0 | 0 | 0 |
| 49 | 12 | 1.12E+08 | A>T | 0 | 0.555 | 0 | 0 |
| 50 | 12 | 1.12E+08 | G>A | 0 | 0 | 0 | 0.3033333 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 12 | 1.12E+08 | T>G | 0 | 0.516666667 | 0 | 0.37 |
| 3 | 12 | 1.12E+08 | A>G | 0 | 0 | 0 | 0.73333333 |
| 4 | 12 | 1.12E+08 | G>A | 0 | 0.516666667 | 0 | 0 |
| 5 | 12 | 1.12E+08 | A>C | 0 | 0.455 | 0 | 0 |
| 6 | 12 | 1.12E+08 | T>G | 0 | 0 | 0 | 0 |
| 7 | 12 | 1.12E+08 | A>C | 0 | 0.526666667 | 0 | 0 |
| 8 | 12 | 1.12E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 9 | 12 | 1.12E+08 | T>C | 0 | 0 | 0 | 0.38 |
| 10 | 12 | 1.12E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 11 | 12 | 1.12E+08 | A>T | 0 | 0.345 | 0 | 0 |
| 12 | 12 | 1.13E+08 | T>C | 0 | 0 | 0 | 0.72333333 |
| 13 | 12 | 1.13E+08 | C>A | 0 | 0 | 0 | 0 |
| 14 | 12 | 1.13E+08 | C>T | 0 | 0.49 | 0 | 0 |
| 15 | 12 | 1.13E+08 | T>C | 0 | 0 | 0 | 0.4166667 |
| 16 | 12 | 1.13E+08 | A>G | 0 | 0 | 0 | 0 |
| 17 | 12 | 1.13E+08 | G>A | 0 | 0 | 0 | 0.5033333 |
| 18 | 12 | 1.13E+08 | T>C | 0 | 0 | 0 | 0.6666667 |
| 19 | 12 | 1.13E+08 | A>G | 0 | 0.521666667 | 0 | 0 |
| 20 | 12 | 1.13E+08 | A>G | 0 | 0.37 | 0 | 0.4266667 |
| 21 | 12 | 1.13E+08 | A>T | 0 | 0.445 | 0 | 0 |
| 22 | 12 | 1.14E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 23 | 12 | 1.14E+08 | C>G | 0 | 0 | 0 | 0 |
| 24 | 12 | 1.14E+08 | A>G | 0 | 0.448333333 | 0.36 | 0 |
| 25 | 12 | 1.14E+08 | T>C | 0 | 0.538333333 | 0 | 0 |
| 26 | 12 | 1.14E+08 | T>C | 0 | 0.4 | 0 | 0.3333333 |
| 27 | 12 | 1.14E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 28 | 12 | 1.15E+08 | G>A | 0 | 0 | 0 | 0 |
| 29 | 12 | 1.16E+08 | A>C | 0 | 0 | 0 | 0 |
| 30 | 12 | 1.17E+08 | T>C | 0 | 0 | 0 | 0 |
| 31 | 12 | 1.17E+08 | A>G | 0 | 0.521666667 | 0.333333333 | 0 |
| 32 | 12 | 1.17E+08 | A>G | 0 | 0 | 0 | 0.5733333 |
| 33 | 12 | 1.17E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 34 | 12 | 1.17E+08 | G>A | 0 | 0.313333333 | 0 | 0 |
| 35 | 12 | 1.17E+08 | C>T | 0 | 0 | 0 | 0.3433333 |
| 36 | 12 | 1.17E+08 | G>A | 0 | 0.396666667 | 0 | 0 |
| 37 | 12 | 1.17E+08 | C>T | 0 | 0 | 0 | 0 |
| 38 | 12 | 1.17E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 12 | 1.17E+08 | T>C | 0 | 0 | 0 | 0 |
| 40 | 12 | 1.17E+08 | T>C | 0 | 0 | 0 | 0 |
| 41 | 12 | 1.18E+08 | G>A | 0 | 0.32 | 0 | 0 |
| 42 | 12 | 1.18E+08 | A>C | 0 | 0.438333333 | 0 | 0 |
| 43 | 12 | 1.18E+08 | G>T | 0 | 0 | 0.416666667 | 0 |
| 44 | 12 | 1.18E+08 | T>C | 0 | 0.313333333 | 0 | 0 |
| 45 | 12 | 1.18E+08 | A>T | 0 | 0.351666667 | 0 | 0 |
| 46 | 12 | 1.18E+08 | C>T | 0 | 0.4 | 0 | 0 |
| 47 | 12 | 1.18E+08 | G>A | 0 | 0 | 0 | 0 |
| 48 | 12 | 1.18E+08 | T>C | 0 | 0.505 | 0 | 0 |
| 49 | 12 | 1.18E+08 | T>A | 0 | 0.308333333 | 0 | 0 |
| 50 | 12 | 1.18E+08 | A>T | 0 | 0.715 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 12 | 1.18E+08 | T>C | 0 | 0.438333333 | 0 | 0 |
| 3 | 12 | 1.18E+08 | A>G | 0 | 0 | 0 | 0.3566667 |
| 4 | 12 | 1.18E+08 | A>G | 0 | 0.345 | 0 | 0 |
| 5 | 12 | 1.18E+08 | C>G | 0 | 0.513333333 | 0 | 0 |
| 6 | 12 | 1.18E+08 | T>C | 0 | 0.32 | 0 | 0 |
| 7 | 12 | 1.18E+08 | A>G | 0 | 0.625 | 0 | 0.4766667 |
| 8 | 12 | 1.19E+08 | T>C | 0 | 0 | 0.326666667 | 0 |
| 9 | 12 | 1.19E+08 | T>C | 0 | 0.345 | 0 | 0 |
| 10 | 12 | 1.19E+08 | T>C | 0 | 0.513333333 | 0 | 0 |
| 11 | 12 | 1.19E+08 | C>T | 0 | 0 | 0 | 0 |
| 12 | 12 | 1.19E+08 | T>C | 0 | 0.388333333 | 0 | 0 |
| 13 | 12 | 1.19E+08 | T>C | 0 | 0.445 | 0 | 0 |
| 14 | 12 | 1.19E+08 | C>T | 0 | 0 | 0 | 0 |
| 15 | 12 | 1.19E+08 | C>T | 0 | 0.385 | 0 | 0 |
| 16 | 12 | 1.19E+08 | G>A | 0 | 0 | 0 | 0.4766667 |
| 17 | 12 | 1.19E+08 | T>C | 0 | 0.37 | 0 | 0 |
| 18 | 12 | 1.19E+08 | G>T | 0 | 0.37 | 0 | 0 |
| 19 | 12 | 1.19E+08 | A>G | 0 | 0 | 0 | 0.5866667 |
| 20 | 12 | 1.19E+08 | A>T | 0 | 0.391666667 | 0 | 0 |
| 21 | 12 | 1.19E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 22 | 12 | 1.19E+08 | A>G | 0 | 0 | 0 | 0 |
| 23 | 12 | 1.19E+08 | G>A | 0 | 0 | 0 | 0 |
| 24 | 12 | 1.19E+08 | C>T | 0 | 0 | 0 | 0.3866667 |
| 25 | 12 | 1.2E+08 | A>G | 0 | 0 | 0 | 0.4666667 |
| 26 | 12 | 1.2E+08 | G>C | 0 | 0 | 0 | 0 |
| 27 | 12 | 1.2E+08 | A>G | 0 | 0 | 0 | 0.4633333 |
| 28 | 12 | 1.2E+08 | T>A | 0 | 0.37 | 0 | 0 |
| 29 | 12 | 1.2E+08 | A>G | 0 | 0.303333333 | 0 | 0.8333333 |
| 30 | 12 | 1.21E+08 | A>C | 0 | 0 | 0.345 | 0.3266667 |
| 31 | 12 | 1.21E+08 | A>G | 0 | 0 | 0 | 0.4433333 |
| 32 | 12 | 1.21E+08 | A>G | 0 | 0 | 0 | 0 |
| 33 | 12 | 1.21E+08 | C>A | 0 | 0 | 0.333333333 | 0.3433333 |
| 34 | 12 | 1.21E+08 | T>C | 0 | 0 | 0 | 0 |
| 35 | 12 | 1.21E+08 | A>T | 0 | 0 | 0 | 0.3566667 |
| 36 | 12 | 1.21E+08 | T>C | 0 | 0.461666667 | 0 | 0.5133333 |
| 37 | 12 | 1.21E+08 | T>C | 0 | 0.378333333 | 0 | 0 |
| 38 | 12 | 1.21E+08 | T>C | 0 | 0 | 0 | 0.4566667 |
| 39 | 12 | 1.21E+08 | C>A | 0 | 0.333333333 | 0 | 0 |
| 40 | 12 | 1.21E+08 | C>A | 0 | 0.315 | 0 | 0 |
| 41 | 12 | 1.21E+08 | T>C | 0 | 0 | 0 | 0 |
| 42 | 12 | 1.21E+08 | T>A | 0 | 0.513333333 | 0 | 0 |
| 43 | 12 | 1.21E+08 | C>T | 0 | 0.391666667 | 0 | 0 |
| 44 | 12 | 1.22E+08 | A>G | 0 | 0 | 0.316666667 | 0.49 |
| 45 | 12 | 1.22E+08 | C>A | 0 | 0 | 0 | 0.5366667 |
| 46 | 12 | 1.22E+08 | A>T | 0 | 0 | 0 | 0.58 |
| 47 | 12 | 1.22E+08 | C>T | 0 | 0.5 | 0 | 0 |
| 48 | 12 | 1.22E+08 | A>G | 0 | 0.5 | 0 | 0 |
| 49 | 12 | 1.22E+08 | A>C | 0 | 0.361666667 | 0 | 0 |
| 50 | 12 | 1.22E+08 | T>C | 0 | 0.4 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 12 | 1.22E+08 | T>G | 0 | 0.435 | 0 | 0 |
| 3 | 12 | 1.22E+08 | C>G | 0 | 0 | 0.401666667 | 0 |
| 4 | 12 | 1.22E+08 | A>C | 0 | 0 | 0 | 0 |
| 5 | 12 | 1.22E+08 | C>T | 0 | 0.351666667 | 0 | 0 |
| 6 | 12 | 1.22E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | 12 | 1.22E+08 | C>A | 0 | 0.416666667 | 0 | 0.33333333 |
| 8 | 12 | 1.22E+08 | T>A | 0 | 0 | 0 | 0 |
| 9 | 12 | 1.22E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 10 | 12 | 1.22E+08 | A>C | 0 | 0 | 0 | 0 |
| 11 | 12 | 1.22E+08 | G>A | 0 | 0.37 | 0 | 0 |
| 12 | 12 | 1.22E+08 | G>A | 0 | 0.431666667 | 0 | 0 |
| 13 | 12 | 1.22E+08 | T>C | 0 | 0.606666667 | 0.306666667 | 0 |
| 14 | 12 | 1.22E+08 | A>G | 0 | 0 | 0 | 0 |
| 15 | 12 | 1.22E+08 | C>T | 0 | 0 | 0 | 0 |
| 16 | 12 | 1.22E+08 | C>T | 0 | 0.695 | 0 | 0 |
| 17 | 12 | 1.23E+08 | A>G | 0 | 0.4 | 0 | 0 |
| 18 | 12 | 1.23E+08 | C>T | 0 | 0 | 0 | 0 |
| 19 | 12 | 1.23E+08 | T>C | 0 | 0.385 | 0 | 0 |
| 20 | 12 | 1.23E+08 | G>A | 0 | 0 | 0 | 0 |
| 21 | 12 | 1.23E+08 | C>G | 0 | 0 | 0.303333333 | 0.30333333 |
| 22 | 12 | 1.23E+08 | C>T | 0 | 0 | 0 | 0 |
| 23 | 12 | 1.23E+08 | G>C | 0 | 0.416666667 | 0 | 0 |
| 24 | 12 | 1.23E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 25 | 12 | 1.23E+08 | T>C | 0 | 0.303333333 | 0 | 0.92 |
| 26 | 12 | 1.23E+08 | G>A | 0 | 0.416666667 | 0 | 0 |
| 27 | 12 | 1.24E+08 | A>C | 0 | 0.5 | 0 | 0 |
| 28 | 12 | 1.24E+08 | G>T | 0 | 0 | 0 | 0.74 |
| 29 | 12 | 1.24E+08 | T>C | 0 | 0 | 0 | 0.4266667 |
| 30 | 12 | 1.24E+08 | T>G | 0 | 0.5 | 0 | 0 |
| 31 | 12 | 1.24E+08 | G>A | 0 | 0 | 0 | 0 |
| 32 | 12 | 1.24E+08 | C>T | 0 | 0 | 0 | 0 |
| 33 | 12 | 1.24E+08 | A>G | 0 | 0.641666667 | 0 | 0.3333333 |
| 34 | 12 | 1.24E+08 | T>C | 0 | 0 | 0 | 0 |
| 35 | 12 | 1.24E+08 | A>G | 0 | 0 | 0.356666667 | 0 |
| 36 | 12 | 1.24E+08 | G>A | 0 | 0 | 0 | 0.3266667 |
| 37 | 12 | 1.24E+08 | C>T | 0 | 0 | 0.455 | 0 |
| 38 | 12 | 1.24E+08 | C>T | 0 | 0.49 | 0 | 0 |
| 39 | 12 | 1.24E+08 | T>C | 0 | 0.513333333 | 0 | 0.4666667 |
| 40 | 12 | 1.24E+08 | C>T | 0 | 0 | 0 | 0.5333333 |
| 41 | 12 | 1.24E+08 | C>T | 0 | 0 | 0 | 0 |
| 42 | 12 | 1.24E+08 | A>G | 0 | 0.316666667 | 0 | 0 |
| 43 | 12 | 1.24E+08 | T>C | 0 | 0 | 0 | 0.37 |
| 44 | 12 | 1.25E+08 | G>T | 0 | 0 | 0 | 0.36 |
| 45 | 12 | 1.25E+08 | G>C | 0 | 0.5 | 0 | 0 |
| 46 | 12 | 1.25E+08 | G>A | 0 | 0 | 0 | 0 |
| 47 | 12 | 1.25E+08 | G>A | 0 | 0.445 | 0 | 0 |
| 48 | 12 | 1.26E+08 | T>C | 0 | 0.555 | 0 | 0 |
| 49 | 12 | 1.26E+08 | T>A | 0 | 0.49 | 0 | 0 |
| 50 | 12 | 1.26E+08 | T>C | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 12 | 1.26E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 3 | 12 | 1.29E+08 | G>C | 0 | 0 | 0 | 0 |
| 4 | 12 | 1.29E+08 | C>T | 0 | 0.416666667 | 0 | 0 |
| 5 | 12 | 1.29E+08 | G>A | 0 | 0 | 0 | 0 |
| 6 | 12 | 1.29E+08 | T>C | 0 | 0.4 | 0 | 0 |
| 7 | 12 | 1.29E+08 | T>C | 0 | 0 | 0 | 0.5966667 |
| 8 | 12 | 1.29E+08 | A>G | 0 | 0 | 0 | 0 |
| 9 | 12 | 1.29E+08 | A>C | 0 | 0.431666667 | 0 | 0 |
| 10 | 12 | 1.29E+08 | C>T | 0 | 0.49 | 0 | 0 |
| 11 | 12 | 1.3E+08 | G>A | 0 | 0 | 0 | 0 |
| 12 | 12 | 1.3E+08 | C>T | 0 | 0 | 0 | 0 |
| 13 | 12 | 1.3E+08 | C>A | 0 | 0 | 0.333333333 | 0 |
| 14 | 12 | 1.3E+08 | T>G | 0 | 0 | 0 | 0 |
| 15 | 12 | 1.3E+08 | A>G | 0 | 0.416666667 | 0 | 0 |
| 16 | 12 | 1.31E+08 | G>T | 0 | 0 | 0 | 0 |
| 17 | 12 | 1.31E+08 | G>T | 0 | 0 | 0 | 0 |
| 18 | 12 | 1.31E+08 | G>A | 0 | 0 | 0 | 0 |
| 19 | 12 | 1.32E+08 | C>G | 0 | 0.416666667 | 0 | 0 |
| 20 | 12 | 1.32E+08 | G>C | 0 | 0 | 0 | 0 |
| 21 | 12 | 1.32E+08 | C>T | 0 | 0 | 0 | 0.4333333 |
| 22 | 12 | 1.32E+08 | G>A | 0 | 0 | 0 | 0.5566667 |
| 23 | 12 | 1.33E+08 | G>T | 0 | 0 | 0 | 0.57 |
| 24 | 12 | 1.33E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 25 | 12 | 1.33E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 26 | 12 | 1.33E+08 | G>A | 0 | 0 | 0 | 0 |
| 27 | 12 | 1.33E+08 | T>C | 0 | 0 | 0 | 0.64 |
| 28 | 12 | 1.34E+08 | A>G | 0 | 0 | 0 | 0.5433333 |
| 29 | 13 | 20417070 | G>A | 0 | 0.351666667 | 0 | 0 |
| 30 | 13 | 20428361 | C>G | 0 | 0 | 0 | 0.4633333 |
| 31 | 13 | 20428362 | A>C | 0 | 0 | 0 | 0.38 |
| 32 | 13 | 20545640 | T>C | 0 | 0.353333333 | 0 | 0 |
| 33 | 13 | 20584611 | A>G | 0 | 0.416666667 | 0 | 0 |
| 34 | 13 | 20634577 | A>G | 0 | 0.333333333 | 0 | 0 |
| 35 | 13 | 20727532 | T>A | 0 | 0.555 | 0 | 0 |
| 36 | 13 | 21006909 | A>C | 0 | 0.316666667 | 0 | 0 |
| 37 | 13 | 21024722 | G>A | 0 | 0.385 | 0 | 0 |
| 38 | 13 | 21098778 | C>A | 0 | 0.416666667 | 0 | 0 |
| 39 | 13 | 21201643 | T>C | 0 | 0 | 0 | 0 |
| 40 | 13 | 21229862 | G>A | 0 | 0.378333333 | 0 | 0 |
| 41 | 13 | 21233907 | C>T | 0 | 0 | 0 | 0 |
| 42 | 13 | 21233908 | A>G | 0 | 0 | 0 | 0 |
| 43 | 13 | 21249132 | T>G | 0 | 0 | 0 | 0 |
| 44 | 13 | 21259810 | A>G | 0 | 0.555 | 0 | 0 |
| 45 | 13 | 21318504 | A>G | 0 | 0 | 0 | 0.77 |
| 46 | 13 | 21371012 | G>T | 0 | 0 | 0 | 0 |
| 47 | 13 | 21447841 | T>C | 0 | 0 | 0 | 0 |
| 48 | 13 | 21455993 | G>T | 0 | 0.606666667 | 0 | 0 |
| 49 | 13 | 21472055 | A>C | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 13 | 21474420 | G>A | 0 | 0 | 0 | 0 |
| 3 | 13 | 21595380 | T>G | 0 | 0.315 | 0 | 0 |
| 4 | 13 | 21718430 | A>G | 0 | 0 | 0 | 0 |
| 5 | 13 | 21980815 | C>T | 0 | 0 | 0 | 0.71333333 |
| 6 | 13 | 21983547 | G>A | 0 | 0.385 | 0 | 0 |
| 7 | 13 | 21994366 | T>C | 0 | 0 | 0 | 0 |
| 8 | 13 | 22128191 | G>A | 0 | 0 | 0 | 0.38333333 |
| 9 | 13 | 22167232 | A>G | 0 | 0 | 0 | 0 |
| 10 | 13 | 22248278 | T>G | 0 | 0 | 0 | 0 |
| 11 | 13 | 23968911 | C>T | 0 | 0.391666667 | 0 | 0 |
| 12 | 13 | 23974696 | C>A | 0 | 0 | 0 | 0.78 |
| 13 | 13 | 24004085 | G>A | 0 | 0.403333333 | 0 | 0 |
| 14 | 13 | 24189876 | A>G | 0 | 0 | 0 | 0 |
| 15 | 13 | 24189891 | T>C | 0 | 0 | 0 | 0 |
| 16 | 13 | 24192668 | C>T | 0 | 0.513333333 | 0 | 0 |
| 17 | 13 | 24341693 | C>T | 0 | 0 | 0 | 0 |
| 18 | 13 | 24360247 | A>T | 0 | 0.333333333 | 0 | 0 |
| 19 | 13 | 24772400 | A>G | 0 | 0 | 0 | 0.61333333 |
| 20 | 13 | 25257315 | C>T | 0 | 0.313333333 | 0 | 0 |
| 21 | 13 | 25377701 | C>T | 0 | 0 | 0 | 0 |
| 22 | 13 | 25387116 | G>A | 0 | 0.441666667 | 0 | 0 |
| 23 | 13 | 25484642 | T>C | 0 | 0 | 0 | 0.78333333 |
| 24 | 13 | 25491281 | G>A | 0 | 0 | 0 | 0 |
| 25 | 13 | 25849914 | A>G | 0 | 0.513333333 | 0 | 0 |
| 26 | 13 | 25905704 | C>T | 0 | 0 | 0 | 0 |
| 27 | 13 | 25905771 | A>T | 0 | 0 | 0 | 0 |
| 28 | 13 | 25961038 | A>G | 0 | 0 | 0.308333333 | 0.5466667 |
| 29 | 13 | 25976162 | G>A | 0 | 0.416666667 | 0 | 0 |
| 30 | 13 | 26005484 | T>A | 0 | 0.493333333 | 0 | 0 |
| 31 | 13 | 26021034 | T>C | 0 | 0.476666667 | 0 | 0.30333333 |
| 32 | 13 | 26184698 | A>C | 0 | 0 | 0 | 0.34333333 |
| 33 | 13 | 26216832 | T>C | 0 | 0 | 0 | 0 |
| 34 | 13 | 26216876 | C>A | 0 | 0.51 | 0 | 0 |
| 35 | 13 | 26443894 | C>T | 0 | 0.445 | 0 | 0 |
| 36 | 13 | 26471868 | G>A | 0 | 0 | 0 | 0 |
| 37 | 13 | 26472116 | A>G | 0 | 0.356666667 | 0 | 0 |
| 38 | 13 | 26532051 | A>C | 0 | 0.333333333 | 0 | 0.30333333 |
| 39 | 13 | 26867625 | T>C | 0 | 0.333333333 | 0 | 0 |
| 40 | 13 | 27205425 | A>G | 0 | 0 | 0 | 0.33333333 |
| 41 | 13 | 27209741 | C>G | 0 | 0 | 0 | 0.43 |
| 42 | 13 | 27333669 | G>A | 0 | 0 | 0 | 0 |
| 43 | 13 | 27661261 | C>T | 0 | 0 | 0 | 0 |
| 44 | 13 | 27697635 | A>G | 0 | 0 | 0 | 0.64 |
| 45 | 13 | 28147240 | T>C | 0 | 0 | 0.666666667 | 0 |
| 46 | 13 | 28162066 | A>G | 0 | 0.333333333 | 0 | 0 |
| 47 | 13 | 28498786 | C>T | 0 | 0 | 0 | 0 |
| 48 | 13 | 28543500 | T>C | 0 | 0 | 0 | 0 |
| 49 | 13 | 28578055 | T>A | 0 | 0 | 0 | 0 |
| 50 | 13 | 28809894 | C>G | 0 | 0 | 0.356666667 | 0 |
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|----|----|----------|-----|---|-------------|-------|-----------|
| 1 | | | | | | | |
| 2 | 13 | 28903885 | G>A | 0 | 0 | 0 | 0 |
| 3 | 13 | 28903973 | C>T | 0 | 0 | 0 | 0 |
| 4 | 13 | 29648551 | G>A | 0 | 0 | 0 | 0 |
| 5 | 13 | 30789760 | T>C | 0 | 0 | 0 | 0 |
| 6 | 13 | 30789779 | A>G | 0 | 0 | 0 | 0 |
| 7 | 13 | 30819622 | T>A | 0 | 0 | 0.625 | 0 |
| 8 | 13 | 31040270 | A>C | 0 | 0 | 0 | 0 |
| 9 | 13 | 31179512 | C>T | 0 | 0 | 0 | 0 |
| 10 | 13 | 31185475 | T>A | 0 | 0 | 0 | 0 |
| 11 | 13 | 31206461 | T>C | 0 | 0.355 | 0 | 0 |
| 12 | 13 | 31326446 | A>G | 0 | 0 | 0 | 0 |
| 13 | 13 | 31829770 | T>C | 0 | 0 | 0 | 0.3433333 |
| 14 | 13 | 31900613 | A>G | 0 | 0 | 0 | 0.4 |
| 15 | 13 | 32627004 | G>A | 0 | 0 | 0 | 0 |
| 16 | 13 | 32645535 | A>G | 0 | 0 | 0 | 0.3233333 |
| 17 | 13 | 32797297 | A>G | 0 | 0.385 | 0 | 0 |
| 18 | 13 | 32819306 | C>T | 0 | 0 | 0 | 0 |
| 19 | 13 | 32908347 | C>T | 0 | 0.555 | 0 | 0 |
| 20 | 13 | 32916242 | T>C | 0 | 0.346666667 | 0 | 0.4933333 |
| 21 | 13 | 32932740 | G>C | 0 | 0.346666667 | 0 | 0 |
| 22 | 13 | 33110017 | C>T | 0 | 0 | 0 | 0 |
| 23 | 13 | 33273081 | A>G | 0 | 0 | 0 | 0 |
| 24 | 13 | 33331009 | T>C | 0 | 0.316666667 | 0 | 0 |
| 25 | 13 | 33806396 | G>A | 0 | 0.391666667 | 0 | 0 |
| 26 | 13 | 35740089 | A>T | 0 | 0.445 | 0 | 0.5266667 |
| 27 | 13 | 35818689 | T>C | 0 | 0 | 0 | 0 |
| 28 | 13 | 35846517 | G>A | 0 | 0 | 0 | 0 |
| 29 | 13 | 35893059 | C>T | 0 | 0 | 0 | 0 |
| 30 | 13 | 35988707 | C>T | 0 | 0.583333333 | 0 | 0 |
| 31 | 13 | 36000715 | G>A | 0 | 0.455 | 0 | 0 |
| 32 | 13 | 36488677 | G>A | 0 | 0.346666667 | 0 | 0 |
| 33 | 13 | 36508577 | A>G | 0 | 0 | 0 | 0.3333333 |
| 34 | 13 | 36561297 | G>A | 0 | 0.476666667 | 0 | 0 |
| 35 | 13 | 36660814 | A>G | 0 | 0.37 | 0 | 0 |
| 36 | 13 | 36883317 | G>C | 0 | 0.385 | 0 | 0.46 |
| 37 | 13 | 36896399 | T>C | 0 | 0.396666667 | 0 | 0 |
| 38 | 13 | 36936327 | C>A | 0 | 0 | 0 | 0.45 |
| 39 | 13 | 37485971 | C>G | 0 | 0.476666667 | 0 | 0 |
| 40 | 13 | 37550315 | T>C | 0 | 0.641666667 | 0 | 0.3033333 |
| 41 | 13 | 37626331 | G>A | 0 | 0 | 0 | 0.6666667 |
| 42 | 13 | 37626424 | T>G | 0 | 0 | 0 | 0.3166667 |
| 43 | 13 | 37630114 | G>C | 0 | 0 | 0 | 0 |
| 44 | 13 | 37630201 | G>A | 0 | 0.316666667 | 0 | 0 |
| 45 | 13 | 38152685 | G>A | 0 | 0 | 0 | 0.4766667 |
| 46 | 13 | 38400807 | A>T | 0 | 0.416666667 | 0 | 0 |
| 47 | 13 | 38411878 | T>C | 0 | 0 | 0 | 0.5866667 |
| 48 | 13 | 39293555 | G>A | 0 | 0.333333333 | 0 | 0 |
| 49 | 13 | 39358086 | A>G | 0 | 0.435 | 0 | 0 |
| 50 | 13 | 39604817 | A>G | 0 | 0.37 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 13 | 39607126 | T>C | 0 | 0 | 0 | 0 |
| 3 | 13 | 39933059 | T>C | 0 | 0 | 0 | 0.5866667 |
| 4 | 13 | 40148992 | C>T | 0 | 0.493333333 | 0 | 0 |
| 5 | 13 | 40149115 | T>G | 0 | 0.356666667 | 0 | 0 |
| 6 | 13 | 40166529 | A>G | 0 | 0 | 0 | 0 |
| 7 | 13 | 41206148 | A>C | 0 | 0 | 0.416666667 | 0.5933333 |
| 8 | 13 | 41224999 | G>C | 0 | 0.388333333 | 0 | 0 |
| 9 | 13 | 41235044 | A>G | 0 | 0.455 | 0 | 0.3233333 |
| 10 | 13 | 41531047 | C>T | 0 | 0.455 | 0 | 0 |
| 11 | 13 | 41653515 | A>G | 0 | 0 | 0 | 0 |
| 12 | 13 | 41895578 | T>G | 0 | 0.715 | 0 | 0 |
| 13 | 13 | 41898778 | G>A | 0 | 0 | 0 | 0 |
| 14 | 13 | 41929832 | G>A | 0 | 0.416666667 | 0 | 0.6333333 |
| 15 | 13 | 42193459 | A>T | 0 | 0.313333333 | 0 | 0.4166667 |
| 16 | 13 | 42193481 | T>C | 0 | 0 | 0 | 0.36 |
| 17 | 13 | 42194046 | G>A | 0 | 0 | 0 | 0.4333333 |
| 18 | 13 | 42194712 | A>G | 0 | 0 | 0 | 0.74 |
| 19 | 13 | 42319838 | T>G | 0 | 0.448333333 | 0 | 0 |
| 20 | 13 | 42323672 | T>C | 0 | 0 | 0 | 1 |
| 21 | 13 | 42496084 | C>T | 0 | 0.416666667 | 0 | 0 |
| 22 | 13 | 42523459 | C>T | 0 | 0 | 0 | 0 |
| 23 | 13 | 42667146 | G>A | 0 | 0 | 0 | 0 |
| 24 | 13 | 42708806 | A>G | 0 | 0.316666667 | 0 | 0 |
| 25 | 13 | 42708807 | G>A | 0 | 0.316666667 | 0 | 0 |
| 26 | 13 | 42715412 | C>T | 0 | 0.37 | 0 | 0 |
| 27 | 13 | 42737524 | G>T | 0 | 0.455 | 0 | 0 |
| 28 | 13 | 42744896 | C>T | 0 | 0 | 0.316666667 | 0.5566667 |
| 29 | 13 | 43148587 | G>C | 0 | 0 | 0 | 0 |
| 30 | 13 | 43836824 | T>G | 0 | 0 | 0 | 0 |
| 31 | 13 | 44034052 | T>C | 0 | 0 | 0 | 0 |
| 32 | 13 | 44034062 | A>G | 0 | 0 | 0 | 0 |
| 33 | 13 | 44159816 | T>C | 0 | 0 | 0 | 0 |
| 34 | 13 | 44159817 | G>A | 0 | 0 | 0 | 0 |
| 35 | 13 | 44723514 | A>T | 0 | 0.416666667 | 0 | 0 |
| 36 | 13 | 44955253 | A>G | 0 | 0.833333333 | 0 | 0 |
| 37 | 13 | 45008773 | G>A | 0 | 0 | 0 | 0 |
| 38 | 13 | 45050875 | T>C | 0 | 0 | 0 | 0.6066667 |
| 39 | 13 | 45050876 | G>A | 0 | 0 | 0 | 0.6066667 |
| 40 | 13 | 45131140 | A>G | 0 | 0.416666667 | 0 | 0 |
| 41 | 13 | 45558648 | G>A | 0 | 0.416666667 | 0 | 0 |
| 42 | 13 | 45570433 | T>G | 0 | 0.416666667 | 0 | 0 |
| 43 | 13 | 45573990 | A>G | 0 | 0.463333333 | 0 | 0 |
| 44 | 13 | 45604588 | T>C | 0 | 0.526666667 | 0 | 0 |
| 45 | 13 | 45756359 | T>C | 0 | 0.345 | 0 | 0 |
| 46 | 13 | 45790906 | A>G | 0 | 0.308333333 | 0 | 0 |
| 47 | 13 | 45971570 | T>G | 0 | 0 | 0 | 0.5566667 |
| 48 | 13 | 46071084 | T>A | 0 | 0 | 0.356666667 | 0 |
| 49 | 13 | 46089056 | C>T | 0 | 0 | 0 | 0.7766667 |
| 50 | 13 | 46143453 | A>G | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 13 | 46357972 | C>T | 0 | 0 | 0 | 0 |
| 3 | 13 | 46790996 | T>C | 0 | 0 | 0 | 0.6333333 |
| 4 | 13 | 47198294 | T>C | 0 | 0.476666667 | 0 | 0.5866667 |
| 5 | 13 | 47225536 | G>C | 0 | 0 | 0 | 0.35 |
| 6 | 13 | 47297828 | G>A | 0 | 0.463333333 | 0 | 0 |
| 7 | 13 | 47440914 | A>C | 0 | 0.5 | 0 | 0 |
| 8 | 13 | 47454867 | A>G | 0 | 0.435 | 0 | 0 |
| 9 | 13 | 48538820 | G>A | 0 | 0.351666667 | 0 | 0.3133333 |
| 10 | 13 | 48548044 | G>A | 0 | 0.455 | 0 | 0 |
| 11 | 13 | 48553252 | A>G | 0 | 0 | 0 | 0 |
| 12 | 13 | 48553264 | C>T | 0 | 0 | 0 | 0.5566667 |
| 13 | 13 | 48661340 | G>A | 0 | 0.391666667 | 0 | 0 |
| 14 | 13 | 48911443 | A>G | 0 | 0 | 0 | 0.3433333 |
| 15 | 13 | 48926089 | A>C | 0 | 0 | 0 | 0.37 |
| 16 | 13 | 48966466 | C>T | 0 | 0.37 | 0 | 0 |
| 17 | 13 | 48991433 | G>C | 0 | 0.391666667 | 0 | 0 |
| 18 | 13 | 48991629 | C>A | 0 | 0.416666667 | 0 | 0.7233333 |
| 19 | 13 | 48995698 | T>C | 0 | 0.303333333 | 0 | 0 |
| 20 | 13 | 48996117 | C>T | 0 | 0.666666667 | 0 | 0.4766667 |
| 21 | 13 | 49010527 | T>C | 0 | 0 | 0.381666667 | 0 |
| 22 | 13 | 49025175 | G>C | 0 | 0 | 0 | 0.5566667 |
| 23 | 13 | 49553667 | G>A | 0 | 0 | 0 | 0 |
| 24 | 13 | 49563966 | T>C | 0 | 0 | 0 | 0 |
| 25 | 13 | 49564834 | A>G | 0 | 0.396666667 | 0 | 0 |
| 26 | 13 | 49571041 | C>T | 0 | 0.37 | 0 | 0 |
| 27 | 13 | 49698064 | A>T | 0 | 0.316666667 | 0 | 0 |
| 28 | 13 | 49709244 | C>G | 0 | 0.308333333 | 0 | 0 |
| 29 | 13 | 49734148 | C>T | 0 | 0.666666667 | 0 | 0 |
| 30 | 13 | 49735232 | A>G | 0 | 0 | 0 | 0.8333333 |
| 31 | 13 | 49940570 | A>C | 0 | 0.476666667 | 0 | 0 |
| 32 | 13 | 49940620 | A>G | 0 | 0 | 0 | 0 |
| 33 | 13 | 49949698 | T>C | 0 | 0 | 0 | 0.3566667 |
| 34 | 13 | 50098880 | T>G | 0 | 0.333333333 | 0 | 0.45 |
| 35 | 13 | 50157894 | A>G | 0 | 0.333333333 | 0 | 0 |
| 36 | 13 | 50253751 | T>C | 0 | 0 | 0 | 0.36 |
| 37 | 13 | 50278320 | A>G | 0 | 0 | 0 | 0.5266667 |
| 38 | 13 | 50284152 | T>C | 0 | 0.758333333 | 0 | 0.4933333 |
| 39 | 13 | 50579191 | A>G | 0 | 0.5 | 0 | 0 |
| 40 | 13 | 51344227 | G>A | 0 | 0 | 0 | 0 |
| 41 | 13 | 51346400 | A>C | 0 | 0 | 0 | 0.74 |
| 42 | 13 | 51346574 | A>G | 0 | 0 | 0 | 0.6166667 |
| 43 | 13 | 51346995 | A>G | 0 | 0 | 0 | 0.4533333 |
| 44 | 13 | 51498819 | C>T | 0 | 0.455 | 0 | 0 |
| 45 | 13 | 51826029 | G>A | 0 | 0 | 0 | 0 |
| 46 | 13 | 52173257 | A>C | 0 | 0 | 0 | 0 |
| 47 | 13 | 52226030 | A>G | 0 | 0.533333333 | 0 | 0 |
| 48 | 13 | 52226853 | G>A | 0 | 0 | 0.37 | 0.5266667 |
| 49 | 13 | 52284235 | A>G | 0 | 0.455 | 0 | 0 |
| 50 | 13 | 52286219 | A>G | 0 | 0.416666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 13 | 52560863 | C>G | 0 | 0.385 | 0 | 0.4166667 |
| 3 | 13 | 52561296 | T>C | 0 | 0 | 0 | 0.5966667 |
| 4 | 13 | 52699635 | C>G | 0 | 0.445 | 0 | 0 |
| 5 | 13 | 52714015 | G>A | 0 | 0.476666667 | 0 | 0 |
| 6 | 13 | 52717264 | T>C | 0 | 0.401666667 | 0 | 0.4633333 |
| 7 | | | | | | | |
| 8 | 13 | 52998859 | A>G | 0 | 0.37 | 0 | 0.3633333 |
| 9 | 13 | 53249458 | T>C | 0 | 0.416666667 | 0 | 0 |
| 10 | 13 | 53282494 | C>T | 0 | 0.416666667 | 0 | 0.5866667 |
| 11 | 13 | 53294058 | C>T | 0 | 0 | 0 | 0.6133333 |
| 12 | 13 | 53604716 | A>G | 0 | 0.416666667 | 0 | 0 |
| 13 | 13 | 60244918 | T>C | 0 | 0 | 0.306666667 | 0 |
| 14 | 13 | 60456516 | G>A | 0 | 0.555 | 0 | 0 |
| 15 | 13 | 60512491 | T>C | 0 | 0 | 0.79 | 0 |
| 16 | 13 | 60561298 | A>T | 0 | 0 | 0 | 0.5133333 |
| 17 | 13 | 60585170 | T>C | 0 | 0 | 0 | 0 |
| 18 | 13 | 60682527 | G>A | 0 | 0 | 0 | 0 |
| 19 | 13 | 61080543 | G>A | 0 | 0.416666667 | 0 | 0 |
| 20 | 13 | 61136257 | T>C | 0 | 0.73 | 0 | 0 |
| 21 | 13 | 66938038 | A>G | 0 | 0.316666667 | 0 | 0 |
| 22 | 13 | 66991856 | C>T | 0 | 0 | 0 | 0 |
| 23 | 13 | 66996259 | T>C | 0 | 0.316666667 | 0 | 0 |
| 24 | 13 | 67054937 | T>A | 0 | 0.445 | 0 | 0.4766667 |
| 25 | 13 | 67055104 | G>A | 0 | 0.351666667 | 0 | 0 |
| 26 | 13 | 67444815 | G>A | 0 | 0 | 0 | 0.64 |
| 27 | 13 | 67529154 | C>T | 0 | 0.361666667 | 0 | 0 |
| 28 | 13 | 67606576 | A>G | 0 | 0.5 | 0 | 0 |
| 29 | 13 | 70298095 | A>G | 0 | 0.686666667 | 0 | 0 |
| 30 | 13 | 70362429 | A>G | 0 | 0 | 0 | 0 |
| 31 | 13 | 70647356 | G>A | 0 | 0 | 0 | 0.54 |
| 32 | 13 | 72185223 | C>T | 0 | 0 | 0 | 0 |
| 33 | 13 | 72208285 | T>A | 0 | 0 | 0 | 0.49 |
| 34 | 13 | 72252078 | T>C | 0 | 0.588333333 | 0 | 0 |
| 35 | 13 | 73304213 | A>G | 0 | 0.445 | 0 | 0 |
| 36 | 13 | 73338094 | T>C | 0 | 0 | 0 | 0 |
| 37 | 13 | 73402729 | G>A | 0 | 0 | 0 | 0.63 |
| 38 | 13 | 73403427 | T>C | 0 | 0.333333333 | 0 | 0.37 |
| 39 | 13 | 73403849 | A>G | 0 | 0 | 0 | 0.5333333 |
| 40 | 13 | 73535448 | C>T | 0 | 0.455 | 0 | 0 |
| 41 | 13 | 73580339 | A>G | 0 | 0.316666667 | 0 | 0.6266667 |
| 42 | 13 | 74280016 | T>C | 0 | 0.303333333 | 0 | 0 |
| 43 | 13 | 74280017 | G>A | 0 | 0.378333333 | 0 | 0 |
| 44 | 13 | 74298034 | A>G | 0 | 0.308333333 | 0 | 0 |
| 45 | 13 | 74482868 | A>C | 0 | 0.353333333 | 0 | 0 |
| 46 | 13 | 74522628 | A>T | 0 | 0.49 | 0 | 0 |
| 47 | 13 | 75954270 | T>C | 0 | 0 | 0 | 0.5966667 |
| 48 | 13 | 76164092 | T>C | 0 | 0 | 0 | 0 |
| 49 | 13 | 76164119 | A>G | 0 | 0 | 0 | 0 |
| 50 | 13 | 76334836 | A>G | 0 | 0 | 0 | 0 |
| 51 | 13 | 77574439 | A>G | 0 | 0 | 0 | 0.7833333 |
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| 1 | | | | | | | |
| 2 | 13 | 77583958 | G>A | 0 | 0 | 0 | 0.37 |
| 3 | 13 | 77743419 | A>T | 0 | 0 | 0 | 0.5566667 |
| 4 | 13 | 77774695 | T>C | 0 | 0 | 0 | 0.5566667 |
| 5 | 13 | 77774696 | G>A | 0 | 0 | 0 | 0.5566667 |
| 6 | 13 | 80911554 | T>G | 0 | 0 | 0 | 0 |
| 7 | 13 | 92131291 | G>C | 0 | 0.343333333 | 0 | 0 |
| 8 | 13 | 92279031 | G>A | 0 | 0.385 | 0 | 0 |
| 9 | 13 | 92370613 | T>C | 0 | 0.466666667 | 0 | 0.3166667 |
| 10 | 13 | 92384336 | G>A | 0 | 0 | 0 | 0 |
| 11 | 13 | 92633789 | A>G | 0 | 0.345 | 0 | 0.5433333 |
| 12 | 13 | 92693287 | G>T | 0 | 0.348333333 | 0 | 0.38 |
| 13 | 13 | 92752596 | C>A | 0 | 0 | 0 | 0 |
| 14 | 13 | 93146563 | C>T | 0 | 0 | 0 | 0 |
| 15 | 13 | 93170338 | G>A | 0 | 0 | 0 | 0 |
| 16 | 13 | 93173599 | C>T | 0 | 0 | 0.351666667 | 0 |
| 17 | 13 | 93198555 | G>A | 0 | 0.606666667 | 0 | 0 |
| 18 | 13 | 93198883 | T>C | 0 | 0 | 0.313333333 | 0 |
| 19 | 13 | 93400756 | T>A | 0 | 0 | 0 | 0 |
| 20 | 13 | 93406251 | A>G | 0 | 0 | 0 | 0.5 |
| 21 | 13 | 93444998 | T>A | 0 | 0 | 0 | 0 |
| 22 | 13 | 93446283 | C>T | 0 | 0 | 0 | 0 |
| 23 | 13 | 93463180 | A>G | 0 | 0 | 0 | 0 |
| 24 | 13 | 94141415 | A>G | 0 | 0.476666667 | 0 | 0 |
| 25 | 13 | 94372321 | T>C | 0 | 0 | 0 | 0.4333333 |
| 26 | 13 | 94701235 | C>G | 0 | 0 | 0 | 0.5966667 |
| 27 | 13 | 94823723 | A>T | 0 | 0 | 0 | 0 |
| 28 | 13 | 94963586 | A>C | 0 | 0.455 | 0 | 0 |
| 29 | 13 | 94995435 | T>A | 0 | 0 | 0 | 0 |
| 30 | 13 | 95025281 | A>C | 0 | 0 | 0 | 0.5566667 |
| 31 | 13 | 95115813 | A>G | 0 | 0.353333333 | 0 | 0 |
| 32 | 13 | 95128938 | T>C | 0 | 0 | 0 | 0.4533333 |
| 33 | 13 | 95706751 | A>G | 0 | 0.445 | 0 | 0 |
| 34 | 13 | 95827766 | A>C | 0 | 0 | 0 | 0 |
| 35 | 13 | 95827768 | C>T | 0 | 0 | 0 | 0 |
| 36 | 13 | 96410627 | T>C | 0 | 0 | 0 | 0.87 |
| 37 | 13 | 96420995 | G>A | 0 | 0 | 0 | 0 |
| 38 | 13 | 96481867 | A>G | 0 | 0.435 | 0 | 0.3033333 |
| 39 | 13 | 96483083 | A>G | 0 | 0 | 0.333333333 | 0.6333333 |
| 40 | 13 | 96557978 | A>G | 0 | 0 | 0 | 0.37 |
| 41 | 13 | 96559898 | T>C | 0 | 0.666666667 | 0 | 0 |
| 42 | 13 | 96562205 | G>A | 0 | 0.588333333 | 0 | 0 |
| 43 | 13 | 96562542 | G>C | 0 | 0 | 0 | 1 |
| 44 | 13 | 96562799 | C>T | 0 | 0.463333333 | 0 | 0 |
| 45 | 13 | 96617096 | C>T | 0 | 0 | 0 | 0.5133333 |
| 46 | 13 | 96687429 | T>C | 0 | 0.513333333 | 0 | 0 |
| 47 | 13 | 96700307 | G>A | 0 | 0.486666667 | 0 | 0 |
| 48 | 13 | 96701424 | T>G | 0 | 0 | 0 | 0 |
| 49 | 13 | 96701989 | T>A | 0 | 0 | 0 | 0 |
| 50 | 13 | 96978725 | C>T | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 13 | 97174691 | A>G | 0 | 0.333333333 | 0 | 0 |
| 3 | 13 | 97306448 | T>C | 0 | 0.431666667 | 0 | 0 |
| 4 | 13 | 97351198 | T>C | 0 | 0 | 0 | 0.5266667 |
| 5 | 13 | 97429756 | A>G | 0 | 0 | 0 | 0 |
| 6 | 13 | 97429840 | C>A | 0 | 0 | 0 | 0.4933333 |
| 7 | 13 | 97429994 | G>C | 0 | 0 | 0 | 0.70333333 |
| 8 | 13 | 97462900 | T>G | 0 | 0 | 0 | 0 |
| 9 | 13 | 97880998 | A>G | 0 | 0.376666667 | 0 | 0 |
| 10 | 13 | 98022649 | C>T | 0 | 0 | 0 | 0.35 |
| 11 | 13 | 98611774 | A>G | 0 | 0 | 0 | 0.36 |
| 12 | 13 | 98653872 | C>A | 0 | 0 | 0 | 0 |
| 13 | 13 | 98654490 | C>T | 0 | 0 | 0 | 0 |
| 14 | 13 | 98669742 | T>C | 0 | 0 | 0 | 0.4766667 |
| 15 | 13 | 98960762 | C>T | 0 | 0 | 0 | 0 |
| 16 | 13 | 98995030 | G>A | 0 | 0.351666667 | 0 | 0 |
| 17 | 13 | 99129770 | C>T | 0 | 0 | 0 | 0 |
| 18 | 13 | 99367532 | A>G | 0 | 0.378333333 | 0 | 0 |
| 19 | 13 | 99389096 | C>A | 0 | 0 | 0 | 0 |
| 20 | 13 | 99403286 | A>G | 0 | 0 | 0 | 0.71333333 |
| 21 | 13 | 99547842 | T>C | 0 | 0.49 | 0 | 0 |
| 22 | 13 | 99982510 | C>T | 0 | 0 | 0 | 0 |
| 23 | 13 | 1E+08 | T>G | 0 | 0 | 0 | 0 |
| 24 | 13 | 1E+08 | C>T | 0 | 0.308333333 | 0 | 0 |
| 25 | 13 | 1E+08 | T>C | 0 | 0.438333333 | 0 | 0 |
| 26 | 13 | 1E+08 | C>G | 0 | 0.476666667 | 0 | 0 |
| 27 | 13 | 1E+08 | A>G | 0 | 0 | 0 | 0.46 |
| 28 | 13 | 1E+08 | T>C | 0 | 0.361666667 | 0 | 0.49 |
| 29 | 13 | 1E+08 | A>T | 0 | 0.385 | 0 | 0 |
| 30 | 13 | 1.01E+08 | A>T | 0 | 0 | 0 | 0 |
| 31 | 13 | 1.01E+08 | T>C | 0 | 0 | 0 | 0 |
| 32 | 13 | 1.01E+08 | C>T | 0 | 0 | 0 | 0 |
| 33 | 13 | 1.01E+08 | A>C | 0 | 0 | 0 | 0 |
| 34 | 13 | 1.01E+08 | C>T | 0 | 0 | 0 | 0.45 |
| 35 | 13 | 1.01E+08 | A>G | 0 | 0.37 | 0 | 0 |
| 36 | 13 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.5166667 |
| 37 | 13 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.3333333 |
| 38 | 13 | 1.01E+08 | T>C | 0 | 0.356666667 | 0 | 0 |
| 39 | 13 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.34 |
| 40 | 13 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.3333333 |
| 41 | 13 | 1.02E+08 | G>C | 0 | 0.77 | 0 | 0.3166667 |
| 42 | 13 | 1.02E+08 | G>A | 0 | 0 | 0 | 0 |
| 43 | 13 | 1.02E+08 | A>T | 0 | 0.416666667 | 0 | 0 |
| 44 | 13 | 1.02E+08 | C>A | 0 | 0.606666667 | 0 | 0 |
| 45 | 13 | 1.02E+08 | G>T | 0 | 0 | 0 | 0 |
| 46 | 13 | 1.02E+08 | C>T | 0 | 0.333333333 | 0 | 0.6666667 |
| 47 | 13 | 1.03E+08 | T>C | 0 | 0 | 0 | 0.3133333 |
| 48 | 13 | 1.03E+08 | A>G | 0 | 0 | 0.361666667 | 0 |
| 49 | 13 | 1.03E+08 | C>T | 0 | 0 | 0.37 | 0 |
| 50 | 13 | 1.03E+08 | G>A | 0 | 0.476666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 13 | 1.08E+08 | G>A | 0 | 0 | 0 | 0.34 |
| 3 | 13 | 1.08E+08 | C>A | 0 | 0 | 0 | 0.63333333 |
| 4 | 13 | 1.08E+08 | C>T | 0 | 0.445 | 0 | 0 |
| 5 | 13 | 1.08E+08 | C>T | 0 | 0.346666667 | 0 | 0 |
| 6 | 13 | 1.09E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| 7 | 13 | 1.09E+08 | A>T | 0 | 0.715 | 0 | 0.4 |
| 8 | 13 | 1.1E+08 | G>C | 0 | 0.476666667 | 0 | 0.35666667 |
| 9 | 13 | 1.1E+08 | G>T | 0 | 0.583333333 | 0 | 0 |
| 10 | 13 | 1.1E+08 | A>T | 0 | 0 | 0 | 0.59666667 |
| 11 | 13 | 1.1E+08 | C>T | 0 | 0 | 0 | 0 |
| 12 | 13 | 1.1E+08 | A>G | 0 | 0 | 0.303333333 | 0.78333333 |
| 13 | 13 | 1.1E+08 | C>G | 0 | 0 | 0 | 0 |
| 14 | 13 | 1.11E+08 | G>A | 0 | 0.356666667 | 0 | 0 |
| 15 | 13 | 1.11E+08 | C>T | 0 | 0 | 0 | 0 |
| 16 | 13 | 1.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 17 | 13 | 1.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 18 | 13 | 1.11E+08 | T>A | 0 | 0.476666667 | 0 | 0 |
| 19 | 13 | 1.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 20 | 13 | 1.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 21 | 13 | 1.11E+08 | T>A | 0 | 0.476666667 | 0 | 0 |
| 22 | 13 | 1.11E+08 | G>A | 0 | 0 | 0 | 0 |
| 23 | 13 | 1.11E+08 | T>C | 0 | 0 | 0 | 0 |
| 24 | 13 | 1.11E+08 | C>T | 0 | 0.463333333 | 0 | 0 |
| 25 | 13 | 1.12E+08 | T>C | 0 | 0 | 0 | 0 |
| 26 | 13 | 1.12E+08 | C>T | 0 | 0.438333333 | 0 | 0 |
| 27 | 13 | 1.13E+08 | G>A | 0 | 0.333333333 | 0 | 0 |
| 28 | 13 | 1.13E+08 | A>G | 0 | 0 | 0 | 0.40333333 |
| 29 | 13 | 1.13E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 30 | 13 | 1.14E+08 | A>G | 0 | 0 | 0.323333333 | 0.49 |
| 31 | 13 | 1.14E+08 | G>C | 0 | 0.378333333 | 0 | 0 |
| 32 | 13 | 1.14E+08 | T>C | 0 | 0.416666667 | 0 | 0 |
| 33 | 13 | 1.14E+08 | C>T | 0 | 0 | 0 | 0.39666667 |
| 34 | 14 | 20756839 | G>C | 0 | 0.333333333 | 0 | 0 |
| 35 | 14 | 20845220 | T>A | 0 | 0 | 0 | 0.30333333 |
| 36 | 14 | 20866335 | A>G | 0 | 0 | 0 | 0 |
| 37 | 14 | 20866346 | C>G | 0 | 0 | 0 | 0 |
| 38 | 14 | 20914832 | G>T | 0 | 0.555 | 0 | 0 |
| 39 | 14 | 21485590 | G>A | 0 | 0 | 0 | 0 |
| 40 | 14 | 21485619 | C>T | 0 | 0 | 0 | 0 |
| 41 | 14 | 21568276 | G>C | 0 | 0.635 | 0 | 0 |
| 42 | 14 | 21696809 | A>C | 0 | 0 | 0 | 0.45333333 |
| 43 | 14 | 21771154 | A>G | 0 | 0.641666667 | 0 | 0 |
| 44 | 14 | 21784756 | C>T | 0 | 0 | 0 | 0 |
| 45 | 14 | 21808612 | G>A | 0 | 0.476666667 | 0 | 0 |
| 46 | 14 | 23047215 | C>A | 0 | 0.351666667 | 0 | 0.46333333 |
| 47 | 14 | 23279439 | C>T | 0 | 0.346666667 | 0 | 0 |
| 48 | 14 | 23282416 | T>C | 0 | 0 | 0 | 0 |
| 49 | 14 | 23342937 | C>T | 0 | 0.351666667 | 0 | 0.43333333 |
| 50 | 14 | 23418192 | T>C | 0 | 0 | 0 | 0 |
| 51 | 14 | 23437340 | T>C | 0 | 0 | 0 | 0 |
| 52 | 14 | 23501593 | T>C | 0 | 0 | 0.476666667 | 0 |
| 53 | 14 | 23537528 | C>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 14 | 23552694 | C>T | 0 | 0.361666667 | 0 | 0 |
| 3 | 14 | 23606082 | T>C | 0 | 0 | 0 | 0 |
| 4 | 14 | 23682298 | T>G | 0 | 0.316666667 | 0 | 0 |
| 5 | 14 | 23991215 | A>G | 0 | 0 | 0 | 0 |
| 6 | 14 | 23999982 | A>G | 0 | 0 | 0 | 0 |
| 7 | 14 | 24010375 | C>A | 0 | 0.378333333 | 0 | 0.44333333 |
| 8 | 14 | 24543911 | C>A | 0 | 0 | 0 | 0 |
| 9 | 14 | 24662177 | C>T | 0 | 0 | 0 | 0 |
| 10 | 14 | 24780822 | G>A | 0 | 0 | 0 | 0 |
| 11 | 14 | 25483501 | A>G | 0 | 0.351666667 | 0 | 0 |
| 12 | 14 | 26986234 | T>C | 0 | 0.455 | 0 | 0.4766667 |
| 13 | 14 | 30101226 | A>C | 0 | 0.346666667 | 0 | 0.4333333 |
| 14 | 14 | 30144930 | G>C | 0 | 0 | 0 | 0.32 |
| 15 | 14 | 30249852 | T>C | 0 | 0 | 0 | 0 |
| 16 | 14 | 30309683 | T>C | 0 | 0.476666667 | 0 | 0 |
| 17 | 14 | 31132838 | C>T | 0 | 0.5 | 0 | 0 |
| 18 | 14 | 31134965 | G>C | 0 | 0 | 0 | 0 |
| 19 | 14 | 31136853 | T>C | 0 | 0 | 0 | 0 |
| 20 | 14 | 31137097 | C>T | 0 | 0 | 0 | 0 |
| 21 | 14 | 31199384 | T>G | 0 | 0.378333333 | 0 | 0.3833333 |
| 22 | 14 | 31426299 | A>G | 0 | 0.396666667 | 0 | 0 |
| 23 | 14 | 31426301 | C>T | 0 | 0.396666667 | 0 | 0 |
| 24 | 14 | 31472208 | G>A | 0 | 0.416666667 | 0 | 0 |
| 25 | 14 | 31550282 | A>G | 0 | 0 | 0 | 0.74 |
| 26 | 14 | 31573857 | A>G | 0 | 0 | 0 | 0 |
| 27 | 14 | 31598378 | C>G | 0 | 0 | 0 | 0 |
| 28 | 14 | 31622161 | T>C | 0 | 0.555 | 0 | 0 |
| 29 | 14 | 31630153 | T>G | 0 | 0.438333333 | 0.303333333 | 0.3833333 |
| 30 | 14 | 31635325 | A>T | 0 | 0.385 | 0.333333333 | 0.5833333 |
| 31 | 14 | 31798964 | T>G | 0 | 0 | 0 | 0.6466667 |
| 32 | 14 | 31847886 | C>T | 0 | 0 | 0 | 0.77 |
| 33 | 14 | 31868867 | A>C | 0 | 0 | 0.426666667 | 0.31 |
| 34 | 14 | 31898597 | A>G | 0 | 0 | 0 | 0.35 |
| 35 | 14 | 31900215 | G>A | 0 | 0.365 | 0 | 0 |
| 36 | 14 | 31918180 | A>G | 0 | 0 | 0 | 0 |
| 37 | 14 | 32077672 | C>A | 0 | 0 | 0 | 0.4866667 |
| 38 | 14 | 32132902 | T>G | 0 | 0 | 0 | 0 |
| 39 | 14 | 32198213 | A>G | 0 | 0 | 0 | 0 |
| 40 | 14 | 32251443 | G>A | 0 | 0 | 0 | 0 |
| 41 | 14 | 32278839 | C>T | 0 | 0.73 | 0 | 0 |
| 42 | 14 | 32280328 | A>C | 0 | 0 | 0.583333333 | 0 |
| 43 | 14 | 32300331 | C>T | 0 | 0.316666667 | 0 | 0 |
| 44 | 14 | 32623426 | G>A | 0 | 0 | 0 | 0.6466667 |
| 45 | 14 | 32815975 | A>G | 0 | 0 | 0 | 0 |
| 46 | 14 | 32825153 | A>G | 0 | 0.313333333 | 0 | 0 |
| 47 | 14 | 32872157 | A>C | 0 | 0 | 0 | 0.8 |
| 48 | 14 | 32900083 | T>C | 0 | 0 | 0 | 0.5733333 |
| 49 | 14 | 32933436 | G>C | 0 | 0 | 0 | 0 |
| 50 | 14 | 32955023 | G>A | 0 | 0 | 0 | 0.69 |
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| 1 | | | | | | | |
| 2 | 14 | 32975240 | G>T | 0 | 0 | 0 | 0.3433333 |
| 3 | 14 | 33050467 | T>C | 0 | 0.308333333 | 0 | 0 |
| 4 | 14 | 33259513 | C>T | 0 | 0.445 | 0 | 0 |
| 5 | 14 | 33508836 | T>C | 0 | 0 | 0 | 0 |
| 6 | 14 | 33562670 | G>A | 0 | 0.416666667 | 0 | 0 |
| 7 | 14 | 33562860 | G>A | 0 | 0.5 | 0 | 0 |
| 8 | 14 | 33664641 | C>T | 0 | 0 | 0 | 0 |
| 9 | 14 | 33967654 | C>T | 0 | 0 | 0 | 0.4166667 |
| 10 | 14 | 34035568 | C>T | 0 | 0 | 0 | 0 |
| 11 | 14 | 34133671 | G>A | 0 | 0 | 0 | 0.3033333 |
| 12 | 14 | 35040194 | A>G | 0 | 0 | 0 | 0.91 |
| 13 | 14 | 35045397 | T>C | 0 | 0.351666667 | 0 | 0.63 |
| 14 | 14 | 35063788 | A>G | 0 | 0.361666667 | 0 | 0 |
| 15 | 14 | 35076851 | C>T | 0 | 0.36 | 0 | 0 |
| 16 | 14 | 35223055 | T>A | 0 | 0 | 0 | 0 |
| 17 | 14 | 35223129 | T>G | 0 | 0.705 | 0 | 0 |
| 18 | 14 | 35225846 | A>C | 0 | 0 | 0 | 0 |
| 19 | 14 | 35239566 | T>C | 0 | 0.356666667 | 0 | 0 |
| 20 | 14 | 35268129 | T>A | 0 | 0 | 0 | 0.46 |
| 21 | 14 | 35296732 | A>G | 0 | 0 | 0 | 0.5566667 |
| 22 | 14 | 35296769 | A>G | 0 | 0 | 0 | 0.6666667 |
| 23 | 14 | 35304545 | A>G | 0 | 0.378333333 | 0 | 0 |
| 24 | 14 | 35337951 | G>T | 0 | 0.606666667 | 0 | 0 |
| 25 | 14 | 35478290 | T>C | 0 | 0 | 0 | 0.3433333 |
| 26 | 14 | 35490590 | T>C | 0 | 0.396666667 | 0 | 0.5133333 |
| 27 | 14 | 35492734 | C>A | 0 | 0 | 0 | 0.45 |
| 28 | 14 | 35492739 | T>C | 0 | 0 | 0 | 0.5266667 |
| 29 | 14 | 35518922 | T>C | 0 | 0 | 0 | 0 |
| 30 | 14 | 35528394 | A>G | 0 | 0 | 0 | 0.3233333 |
| 31 | 14 | 35566914 | A>T | 0 | 0.416666667 | 0 | 0 |
| 32 | 14 | 35567093 | C>T | 0 | 0.37 | 0 | 0 |
| 33 | 14 | 35651268 | G>A | 0 | 0 | 0 | 0 |
| 34 | 14 | 35694783 | G>C | 0 | 0 | 0 | 0.37 |
| 35 | 14 | 35779071 | A>G | 0 | 0 | 0 | 0 |
| 36 | 14 | 35785360 | A>G | 0 | 0.533333333 | 0 | 0 |
| 37 | 14 | 36055042 | C>G | 0 | 0 | 0 | 0.44 |
| 38 | 14 | 36089415 | C>T | 0 | 0.313333333 | 0 | 0 |
| 39 | 14 | 36090373 | T>G | 0 | 0.37 | 0 | 0 |
| 40 | 14 | 36179513 | A>G | 0 | 0 | 0.303333333 | 0 |
| 41 | 14 | 36213327 | T>C | 0 | 0 | 0 | 0.6066667 |
| 42 | 14 | 36227378 | T>A | 0 | 0.313333333 | 0 | 0 |
| 43 | 14 | 36308059 | C>G | 0 | 0 | 0 | 0 |
| 44 | 14 | 36310335 | C>A | 0 | 0.416666667 | 0 | 0 |
| 45 | 14 | 37132734 | G>A | 0 | 0 | 0 | 0 |
| 46 | 14 | 37164195 | G>A | 0 | 0 | 0 | 0 |
| 47 | 14 | 37165634 | C>A | 0 | 0 | 0 | 0.5 |
| 48 | 14 | 37331595 | C>A | 0 | 0 | 0 | 0.4033333 |
| 49 | 14 | 37364174 | G>A | 0 | 0 | 0 | 0.5066667 |
| 50 | 14 | 37366322 | T>A | 0 | 0.513333333 | 0 | 0.3033333 |
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| 1 | | | | | | | |
| 2 | 14 | 37450702 | G>A | 0 | 0.435 | 0 | 0 |
| 3 | 14 | 37480320 | C>G | 0 | 0 | 0 | 0.45 |
| 4 | 14 | 37675069 | G>A | 0 | 0 | 0 | 0 |
| 5 | 14 | 37679020 | C>T | 0 | 0 | 0 | 0.4166667 |
| 6 | 14 | 37736441 | T>C | 0 | 0 | 0 | 0.37 |
| 7 | 14 | 37767290 | G>A | 0 | 0 | 0 | 0.43 |
| 8 | 14 | 37781528 | G>C | 0 | 0 | 0 | 0 |
| 9 | 14 | 37806067 | T>G | 0 | 0.625 | 0 | 0.5566667 |
| 10 | 14 | 37843571 | C>T | 0 | 0 | 0 | 0 |
| 11 | 14 | 37929061 | G>C | 0 | 0.455 | 0 | 0 |
| 12 | 14 | 37956572 | A>G | 0 | 0.416666667 | 0 | 0 |
| 13 | 14 | 37975696 | C>A | 0 | 0.333333333 | 0 | 0 |
| 14 | 14 | 38094028 | A>G | 0 | 0 | 0 | 0.58 |
| 15 | 14 | 38098355 | G>T | 0 | 0 | 0 | 0 |
| 16 | 14 | 38099969 | T>C | 0 | 0 | 0 | 0 |
| 17 | 14 | 38161970 | T>A | 0 | 0.651666667 | 0 | 0.4266667 |
| 18 | 14 | 38164833 | T>C | 0 | 0 | 0 | 0.3933333 |
| 19 | 14 | 38224815 | C>T | 0 | 0 | 0.606666667 | 0.6666667 |
| 20 | 14 | 38274952 | G>C | 0 | 0 | 0 | 0.4033333 |
| 21 | 14 | 38308889 | C>G | 0 | 0 | 0 | 0 |
| 22 | 14 | 39552881 | T>C | 0 | 0 | 0 | 0.3433333 |
| 23 | 14 | 39559121 | A>C | 0 | 0 | 0 | 0 |
| 24 | 14 | 39570094 | T>C | 0 | 0 | 0.365 | 0.3933333 |
| 25 | 14 | 39570582 | T>G | 0 | 0 | 0 | 0.4166667 |
| 26 | 14 | 39626113 | G>A | 0 | 0.416666667 | 0 | 0 |
| 27 | 14 | 39729397 | T>A | 0 | 0 | 0 | 0 |
| 28 | 14 | 39729891 | T>G | 0 | 0.49 | 0 | 0 |
| 29 | 14 | 39731624 | T>C | 0 | 0.666666667 | 0.396666667 | 0 |
| 30 | 14 | 39749707 | C>T | 0 | 0 | 0 | 0 |
| 31 | 14 | 39795169 | C>T | 0 | 0 | 0 | 0 |
| 32 | 14 | 39799220 | G>A | 0 | 0.455 | 0 | 0.5566667 |
| 33 | 14 | 42205378 | T>C | 0 | 0.333333333 | 0 | 0 |
| 34 | 14 | 42221841 | C>G | 0 | 0.555 | 0 | 0 |
| 35 | 14 | 42222808 | C>T | 0 | 0.391666667 | 0 | 0 |
| 36 | 14 | 42313565 | A>G | 0 | 0 | 0 | 0 |
| 37 | 14 | 42934967 | G>A | 0 | 0 | 0 | 0 |
| 38 | 14 | 45410235 | A>G | 0 | 0 | 0 | 0 |
| 39 | 14 | 45520980 | A>G | 0 | 0 | 0 | 0.6266667 |
| 40 | 14 | 45533790 | T>C | 0 | 0.345 | 0 | 0 |
| 41 | 14 | 45601847 | T>C | 0 | 0.356666667 | 0 | 0.38 |
| 42 | 14 | 45614866 | A>G | 0 | 0.613333333 | 0 | 0 |
| 43 | 14 | 45675658 | C>T | 0 | 0.416666667 | 0 | 0 |
| 44 | 14 | 45682972 | G>A | 0 | 0.666666667 | 0 | 0 |
| 45 | 14 | 45697136 | C>T | 0 | 0 | 0 | 0.49 |
| 46 | 14 | 47364854 | T>C | 0 | 0.455 | 0 | 0 |
| 47 | 14 | 47379753 | T>A | 0 | 0 | 0 | 0.3566667 |
| 48 | 14 | 47438286 | T>C | 0 | 0 | 0 | 0.3833333 |
| 49 | 14 | 47536250 | G>A | 0 | 0 | 0 | 0.36 |
| 50 | 14 | 47643514 | G>A | 0 | 0 | 0 | 0.37 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | 14 | 47644925 | T>C | 0 | 0.5 | 0 | 0 |
| 2 | 14 | 47645528 | C>A | 0 | 0 | 0 | 0.3333333 |
| 3 | 14 | 47661548 | G>T | 0 | 0 | 0 | 0 |
| 4 | 14 | 47737521 | A>G | 0 | 0.416666667 | 0 | 0 |
| 5 | 14 | 47850509 | A>G | 0 | 0.361666667 | 0 | 0 |
| 6 | 14 | 47850525 | A>G | 0 | 0 | 0 | 0.38 |
| 7 | 14 | 47850546 | G>T | 0 | 0.535 | 0 | 0.72 |
| 8 | 14 | 47850591 | G>T | 0 | 0.316666667 | 0 | 0.6666667 |
| 9 | 14 | 47851809 | T>C | 0 | 0 | 0 | 0.3933333 |
| 10 | 14 | 47939888 | A>C | 0 | 0.606666667 | 0 | 0 |
| 11 | 14 | 48131219 | A>C | 0 | 0 | 0 | 0.5733333 |
| 12 | 14 | 50076715 | T>C | 0 | 0 | 0.323333333 | 0 |
| 13 | 14 | 50099442 | A>G | 0 | 0 | 0 | 0.7233333 |
| 14 | 14 | 50116061 | G>T | 0 | 0.303333333 | 0.315 | 0 |
| 15 | 14 | 50142407 | C>G | 0 | 0 | 0.385 | 0.4166667 |
| 16 | 14 | 50147601 | A>G | 0 | 0.303333333 | 0 | 0.5966667 |
| 17 | 14 | 50209611 | A>T | 0 | 0.431666667 | 0 | 0 |
| 18 | 14 | 50276461 | T>C | 0 | 0 | 0 | 0 |
| 19 | 14 | 50658656 | C>G | 0 | 0.416666667 | 0 | 0 |
| 20 | 14 | 50732564 | A>G | 0 | 0.466666667 | 0 | 0 |
| 21 | 14 | 50825634 | T>A | 0 | 0 | 0 | 0.6066667 |
| 22 | 14 | 50890420 | A>G | 0 | 0.416666667 | 0 | 0 |
| 23 | 14 | 50974662 | A>G | 0 | 0 | 0 | 0 |
| 24 | 14 | 50975867 | A>G | 0 | 0 | 0 | 0.4166667 |
| 25 | 14 | 51044032 | T>C | 0 | 0 | 0 | 0 |
| 26 | 14 | 51108997 | G>A | 0 | 0.466666667 | 0 | 0 |
| 27 | 14 | 51209354 | C>T | 0 | 0.313333333 | 0 | 0 |
| 28 | 14 | 51238476 | T>G | 0 | 0.303333333 | 0 | 0 |
| 29 | 14 | 51262530 | C>T | 0 | 0.555 | 0 | 0 |
| 30 | 14 | 51405057 | G>T | 0 | 0.506666667 | 0 | 0 |
| 31 | 14 | 52789230 | C>T | 0 | 0 | 0 | 0 |
| 32 | 14 | 52971371 | T>C | 0 | 0.333333333 | 0 | 0.3966667 |
| 33 | 14 | 53049332 | G>T | 0 | 0 | 0 | 0 |
| 34 | 14 | 53062677 | T>C | 0 | 0 | 0 | 0 |
| 35 | 14 | 53121851 | G>A | 0 | 0 | 0 | 0 |
| 36 | 14 | 53177005 | C>T | 0 | 0.391666667 | 0 | 0 |
| 37 | 14 | 53201648 | G>A | 0 | 0.333333333 | 0 | 0 |
| 38 | 14 | 53251864 | T>A | 0 | 0 | 0 | 0 |
| 39 | 14 | 53329018 | A>G | 0 | 0 | 0 | 0 |
| 40 | 14 | 53333116 | C>G | 0 | 0 | 0 | 0 |
| 41 | 14 | 53392008 | A>G | 0 | 0.526666667 | 0 | 0 |
| 42 | 14 | 53411732 | T>C | 0 | 0.4 | 0 | 0 |
| 43 | 14 | 53555695 | G>A | 0 | 0 | 0.396666667 | 0 |
| 44 | 14 | 53556590 | A>T | 0 | 0 | 0 | 0 |
| 45 | 14 | 54417130 | C>T | 0 | 0 | 0 | 0 |
| 46 | 14 | 54419141 | T>C | 0 | 0 | 0 | 0 |
| 47 | 14 | 54871880 | T>C | 0 | 0.333333333 | 0 | 0.5966667 |
| 48 | 14 | 54985764 | A>G | 0 | 0 | 0 | 0 |
| 49 | 14 | 55078447 | A>T | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 14 | 55088137 | A>G | 0 | 0.555 | 0 | 0 |
| 3 | 14 | 55246480 | C>T | 0 | 0.5 | 0 | 0 |
| 4 | 14 | 55340689 | G>A | 0 | 0.356666667 | 0 | 0 |
| 5 | 14 | 55342524 | T>C | 0 | 0.333333333 | 0 | 0.35 |
| 6 | 14 | 55420524 | A>G | 0 | 0 | 0 | 0 |
| 7 | 14 | 55628289 | A>G | 0 | 0.416666667 | 0 | 0 |
| 8 | 14 | 55771958 | T>C | 0 | 0.316666667 | 0 | 0 |
| 9 | 14 | 55850121 | A>T | 0 | 0.333333333 | 0 | 0 |
| 10 | 14 | 56109765 | C>T | 0 | 0.346666667 | 0 | 0 |
| 11 | 14 | 56123396 | A>G | 0 | 0 | 0 | 0.55666667 |
| 12 | 14 | 56696252 | A>T | 0 | 0.416666667 | 0 | 0 |
| 13 | 14 | 56696941 | G>A | 0 | 0 | 0 | 0.63333333 |
| 14 | 14 | 56697461 | C>T | 0 | 0 | 0 | 0 |
| 15 | 14 | 56697948 | C>A | 0 | 0 | 0 | 0 |
| 16 | 14 | 56697960 | C>T | 0 | 0 | 0.343333333 | 0 |
| 17 | 14 | 56699860 | A>G | 0 | 0 | 0 | 0 |
| 18 | 14 | 57050182 | G>A | 0 | 0.666666667 | 0 | 0 |
| 19 | 14 | 57708622 | T>C | 0 | 0.595 | 0 | 0 |
| 20 | 14 | 57743082 | C>T | 0 | 0 | 0 | 0 |
| 21 | 14 | 57870836 | G>A | 0 | 0.416666667 | 0 | 0 |
| 22 | 14 | 58052273 | T>C | 0 | 0.5 | 0 | 0 |
| 23 | 14 | 58052750 | T>C | 0 | 0.385 | 0 | 0 |
| 24 | 14 | 58510378 | C>A | 0 | 0.391666667 | 0 | 0 |
| 25 | 14 | 58560845 | T>C | 0 | 0 | 0 | 0 |
| 26 | 14 | 58601438 | A>G | 0 | 0 | 0 | 0.66666667 |
| 27 | 14 | 58816707 | G>A | 0 | 0 | 0 | 0.55666667 |
| 28 | 14 | 58942577 | A>G | 0 | 0.403333333 | 0 | 0.37 |
| 29 | 14 | 58948930 | T>G | 0 | 0.521666667 | 0 | 0 |
| 30 | 14 | 58949595 | C>T | 0 | 0.37 | 0 | 0.37 |
| 31 | 14 | 58987308 | T>C | 0 | 0 | 0 | 0 |
| 32 | 14 | 58994985 | T>A | 0 | 0 | 0.378333333 | 0 |
| 33 | 14 | 58998393 | T>A | 0 | 0 | 0 | 0 |
| 34 | 14 | 59739175 | C>T | 0 | 0 | 0 | 0 |
| 35 | 14 | 59739187 | A>G | 0 | 0 | 0 | 0 |
| 36 | 14 | 59966530 | C>T | 0 | 0.513333333 | 0 | 0 |
| 37 | 14 | 59973227 | C>A | 0 | 0.476666667 | 0 | 0 |
| 38 | 14 | 60020131 | A>C | 0 | 0.396666667 | 0 | 0.70333333 |
| 39 | 14 | 60021330 | G>A | 0 | 0.455 | 0 | 0.33333333 |
| 40 | 14 | 60126601 | T>C | 0 | 0.785 | 0 | 0 |
| 41 | 14 | 60132088 | C>A | 0 | 0.455 | 0 | 0 |
| 42 | 14 | 60228208 | C>T | 0 | 0.303333333 | 0.438333333 | 0 |
| 43 | 14 | 60940005 | A>G | 0 | 0 | 0 | 0.63333333 |
| 44 | 14 | 60941031 | T>G | 0 | 0 | 0 | 1 |
| 45 | 14 | 61184475 | T>C | 0 | 0.306666667 | 0 | 0.38 |
| 46 | 14 | 61229281 | A>G | 0 | 0 | 0 | 0 |
| 47 | 14 | 61229295 | A>G | 0 | 0 | 0 | 0 |
| 48 | 14 | 61232177 | T>C | 0 | 0 | 0 | 0.73 |
| 49 | 14 | 61232178 | G>A | 0 | 0 | 0 | 0.64666667 |
| 50 | 14 | 61299788 | T>A | 0 | 0.345 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 14 | 61313865 | T>C | 0 | 0 | 0 | 0.36 |
| 3 | 14 | 61324503 | G>T | 0 | 0.333333333 | 0 | 0.6666667 |
| 4 | 14 | 61356635 | A>G | 0 | 0 | 0 | 0 |
| 5 | 14 | 61379268 | A>G | 0 | 0.303333333 | 0 | 0 |
| 6 | 14 | 61406437 | T>G | 0 | 0 | 0 | 0 |
| 7 | 14 | 61433510 | T>C | 0 | 0 | 0 | 0.39333333 |
| 8 | 14 | 61440333 | A>G | 0 | 0.316666667 | 0 | 0 |
| 9 | 14 | 61473047 | A>G | 0 | 0.521666667 | 0 | 0 |
| 10 | 14 | 62079792 | T>C | 0 | 0 | 0 | 0 |
| 11 | 14 | 62079819 | T>A | 0 | 0 | 0 | 0.3566667 |
| 12 | 14 | 62175034 | T>C | 0 | 0.513333333 | 0 | 0 |
| 13 | 14 | 62514374 | A>C | 0 | 0 | 0.455 | 0.6066667 |
| 14 | 14 | 62516550 | A>G | 0 | 0 | 0 | 0.44333333 |
| 15 | 14 | 62525362 | A>G | 0 | 0.365 | 0 | 0 |
| 16 | 14 | 63339291 | C>A | 0 | 0.455 | 0 | 0 |
| 17 | 14 | 63380210 | T>C | 0 | 0.361666667 | 0 | 0.57 |
| 18 | 14 | 63849347 | A>G | 0 | 0.343333333 | 0 | 0 |
| 19 | 14 | 63885780 | C>G | 0 | 0.445 | 0 | 0 |
| 20 | 14 | 63947054 | A>G | 0 | 0 | 0 | 0 |
| 21 | 14 | 64074085 | A>G | 0 | 0.396666667 | 0 | 0 |
| 22 | 14 | 64101399 | T>C | 0 | 0.583333333 | 0 | 0.35 |
| 23 | 14 | 64366509 | T>C | 0 | 0 | 0 | 0.46 |
| 24 | 14 | 64376325 | C>T | 0 | 0.308333333 | 0 | 0 |
| 25 | 14 | 64522336 | C>T | 0 | 0.416666667 | 0 | 0 |
| 26 | 14 | 64591613 | C>T | 0 | 0.37 | 0 | 0.4066667 |
| 27 | 14 | 64591682 | C>T | 0 | 0.356666667 | 0 | 0 |
| 28 | 14 | 64617218 | C>T | 0 | 0 | 0 | 0.45 |
| 29 | 14 | 64730129 | A>C | 0 | 0 | 0 | 0.83333333 |
| 30 | 14 | 64875191 | T>G | 0 | 0.466666667 | 0 | 0.5966667 |
| 31 | 14 | 64894949 | A>T | 0 | 0.5 | 0 | 0 |
| 32 | 14 | 64980585 | T>C | 0 | 0.416666667 | 0 | 0.4266667 |
| 33 | 14 | 64984770 | A>G | 0 | 0 | 0 | 0.79 |
| 34 | 14 | 64986801 | G>C | 0 | 0.46 | 0 | 0 |
| 35 | 14 | 65246439 | G>A | 0 | 0 | 0 | 0 |
| 36 | 14 | 65277637 | T>C | 0 | 0 | 0 | 0 |
| 37 | 14 | 65444152 | A>T | 0 | 0.583333333 | 0 | 0 |
| 38 | 14 | 65504880 | A>G | 0 | 0 | 0 | 0.58333333 |
| 39 | 14 | 65543292 | T>C | 0 | 0 | 0 | 0 |
| 40 | 14 | 65991331 | A>G | 0 | 0.346666667 | 0 | 0 |
| 41 | 14 | 66077295 | C>T | 0 | 0 | 0 | 0.7766667 |
| 42 | 14 | 66116797 | G>A | 0 | 0.555 | 0 | 0 |
| 43 | 14 | 66991928 | A>T | 0 | 0 | 0 | 0 |
| 44 | 14 | 66993320 | G>A | 0 | 0.506666667 | 0 | 0 |
| 45 | 14 | 66995607 | A>C | 0 | 0.49 | 0 | 0 |
| 46 | 14 | 67040464 | T>C | 0 | 0.416666667 | 0 | 0 |
| 47 | 14 | 67065308 | C>T | 0 | 0.356666667 | 0 | 0 |
| 48 | 14 | 67081825 | G>T | 0 | 0 | 0 | 0 |
| 49 | 14 | 67174178 | G>A | 0 | 0.385 | 0 | 0.45333333 |
| 50 | 14 | 67344730 | A>G | 0 | 0 | 0 | 0.31 |
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| 1 | | | | | | | |
| 2 | 14 | 67360219 | A>G | 0 | 0 | 0.351666667 | 0 |
| 3 | 14 | 67436277 | A>G | 0 | 0.385 | 0 | 0 |
| 4 | 14 | 67460912 | A>G | 0 | 0 | 0 | 0 |
| 5 | 14 | 67494315 | A>G | 0 | 0.316666667 | 0 | 0 |
| 6 | 14 | 67500032 | A>G | 0 | 0.376666667 | 0 | 0 |
| 7 | 14 | 67508988 | T>G | 0 | 0 | 0 | 0 |
| 8 | 14 | 67509024 | T>C | 0 | 0 | 0 | 0 |
| 9 | 14 | 67509658 | T>C | 0 | 0 | 0 | 0.6666667 |
| 10 | 14 | 67520426 | T>C | 0 | 0.506666667 | 0 | 0 |
| 11 | 14 | 67530598 | A>G | 0 | 0.438333333 | 0 | 0.4533333 |
| 12 | 14 | 67590130 | G>A | 0 | 0.435 | 0 | 0 |
| 13 | 14 | 67597551 | T>C | 0 | 0.416666667 | 0 | 0 |
| 14 | 14 | 67641183 | T>A | 0 | 0 | 0.351666667 | 0 |
| 15 | 14 | 67643560 | C>G | 0 | 0 | 0 | 0 |
| 16 | 14 | 67644545 | A>T | 0 | 0 | 0 | 0 |
| 17 | 14 | 67740837 | G>A | 0 | 0.361666667 | 0 | 0 |
| 18 | 14 | 67742528 | G>C | 0 | 0 | 0 | 0.58 |
| 19 | 14 | 67774833 | G>A | 0 | 0 | 0.333333333 | 0 |
| 20 | 14 | 67794541 | C>A | 0 | 0 | 0 | 0.5866667 |
| 21 | 14 | 67795318 | C>A | 0 | 0 | 0 | 0.4166667 |
| 22 | 14 | 67795992 | C>G | 0 | 0 | 0 | 0.3433333 |
| 23 | 14 | 67874373 | C>G | 0 | 0.391666667 | 0 | 0 |
| 24 | 14 | 67965452 | G>A | 0 | 0 | 0 | 0 |
| 25 | 14 | 68003564 | A>C | 0 | 0 | 0 | 0.32 |
| 26 | 14 | 68065617 | T>G | 0 | 0 | 0 | 0.4266667 |
| 27 | 14 | 68095778 | G>T | 0 | 0 | 0 | 0 |
| 28 | 14 | 68239393 | A>T | 0 | 0.5 | 0 | 0 |
| 29 | 14 | 68241059 | C>T | 0 | 0 | 0 | 0.36 |
| 30 | 14 | 68259416 | G>A | 0 | 0 | 0 | 0 |
| 31 | 14 | 68385215 | A>G | 0 | 0.438333333 | 0 | 0.3033333 |
| 32 | 14 | 68390144 | G>A | 0 | 0.385 | 0 | 0 |
| 33 | 14 | 68426162 | T>C | 0 | 0 | 0.363333333 | 0 |
| 34 | 14 | 68484438 | T>C | 0 | 0 | 0 | 0.5566667 |
| 35 | 14 | 68565330 | G>A | 0 | 0 | 0 | 0.7133333 |
| 36 | 14 | 68613060 | A>G | 0 | 0.313333333 | 0 | 0 |
| 37 | 14 | 68688127 | T>C | 0 | 0.333333333 | 0 | 0 |
| 38 | 14 | 68688141 | A>G | 0 | 0.356666667 | 0 | 0 |
| 39 | 14 | 69048808 | A>G | 0 | 0 | 0 | 0 |
| 40 | 14 | 69416903 | G>C | 0 | 0.391666667 | 0 | 0 |
| 41 | 14 | 69527974 | A>G | 0 | 0 | 0 | 0 |
| 42 | 14 | 69684456 | A>T | 0 | 0.303333333 | 0 | 0.4166667 |
| 43 | 14 | 69685439 | G>C | 0 | 0 | 0 | 0 |
| 44 | 14 | 69700599 | T>C | 0 | 0.351666667 | 0 | 0 |
| 45 | 14 | 69856024 | A>G | 0 | 0 | 0 | 0.5866667 |
| 46 | 14 | 69856026 | A>G | 0 | 0 | 0 | 0.5866667 |
| 47 | 14 | 69884188 | T>C | 0 | 0 | 0 | 0.37 |
| 48 | 14 | 69885469 | C>G | 0 | 0 | 0.333333333 | 0 |
| 49 | 14 | 69904524 | T>C | 0 | 0 | 0 | 0.4433333 |
| 50 | 14 | 69978146 | T>A | 0 | 0.513333333 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 14 | 70175824 | G>A | 0 | 0 | 0 | 0 |
| 3 | 14 | 70205380 | G>A | 0 | 0 | 0 | 0 |
| 4 | 14 | 70216548 | A>G | 0 | 0.506666667 | 0 | 0 |
| 5 | 14 | 70485537 | C>T | 0 | 0 | 0 | 0 |
| 6 | 14 | 70638407 | C>T | 0 | 0 | 0 | 0 |
| 7 | 14 | 70653381 | G>T | 0 | 0 | 0 | 0 |
| 8 | 14 | 70820349 | G>C | 0 | 0.476666667 | 0 | 0.86333333 |
| 9 | 14 | 70876943 | G>C | 0 | 0.416666667 | 0 | 0 |
| 10 | 14 | 71210517 | C>T | 0 | 0 | 0 | 0.58 |
| 11 | 14 | 71214596 | T>C | 0 | 0.356666667 | 0 | 0 |
| 12 | 14 | 71394479 | A>G | 0 | 0 | 0.356666667 | 0 |
| 13 | 14 | 71427230 | A>G | 0 | 0.606666667 | 0 | 0 |
| 14 | 14 | 71451241 | T>C | 0 | 0.346666667 | 0 | 0 |
| 15 | 14 | 71455255 | T>C | 0 | 0 | 0 | 0 |
| 16 | 14 | 71487714 | A>G | 0 | 0 | 0 | 0 |
| 17 | 14 | 71487927 | A>G | 0 | 0 | 0 | 0.64 |
| 18 | 14 | 71533061 | T>G | 0 | 0 | 0.416666667 | 0 |
| 19 | 14 | 71549812 | A>T | 0 | 0 | 0 | 0.51333333 |
| 20 | 14 | 71550036 | G>A | 0 | 0.555 | 0 | 0 |
| 21 | 14 | 72082620 | A>G | 0 | 0.313333333 | 0 | 0.6266667 |
| 22 | 14 | 72144336 | G>A | 0 | 0 | 0.333333333 | 0 |
| 23 | 14 | 72144651 | A>T | 0 | 0.416666667 | 0.333333333 | 0 |
| 24 | 14 | 72147243 | G>A | 0 | 0.438333333 | 0 | 0 |
| 25 | 14 | 72195789 | C>G | 0 | 0.476666667 | 0 | 0 |
| 26 | 14 | 72417365 | G>A | 0 | 0.666666667 | 0.313333333 | 0 |
| 27 | 14 | 72523813 | T>C | 0 | 0.416666667 | 0 | 0 |
| 28 | 14 | 72554118 | A>G | 0 | 0.333333333 | 0 | 0.57333333 |
| 29 | 14 | 72707618 | T>G | 0 | 0.351666667 | 0 | 0.63 |
| 30 | 14 | 72862848 | G>C | 0 | 0.445 | 0 | 0 |
| 31 | 14 | 72863014 | C>T | 0 | 0 | 0 | 0 |
| 32 | 14 | 72863959 | G>A | 0 | 0.476666667 | 0 | 0.43 |
| 33 | 14 | 72864618 | T>C | 0 | 0.588333333 | 0 | 0.38333333 |
| 34 | 14 | 72865483 | A>G | 0 | 0 | 0 | 0 |
| 35 | 14 | 72865499 | C>G | 0 | 0 | 0 | 0 |
| 36 | 14 | 72865808 | A>G | 0 | 0.455 | 0 | 0 |
| 37 | 14 | 72878609 | C>A | 0 | 0 | 0 | 0 |
| 38 | 14 | 72907305 | T>G | 0 | 0.648333333 | 0 | 0.46 |
| 39 | 14 | 72982118 | C>A | 0 | 0 | 0.416666667 | 0 |
| 40 | 14 | 73178966 | C>T | 0 | 0 | 0 | 0 |
| 41 | 14 | 73340223 | C>T | 0 | 0.391666667 | 0 | 0 |
| 42 | 14 | 73355149 | G>T | 0 | 0 | 0 | 0 |
| 43 | 14 | 73412739 | C>T | 0 | 0 | 0 | 0 |
| 44 | 14 | 73416291 | C>T | 0 | 0 | 0 | 0.37 |
| 45 | 14 | 73449780 | A>T | 0 | 0 | 0 | 0 |
| 46 | 14 | 73491024 | G>C | 0 | 0 | 0 | 0 |
| 47 | 14 | 73630043 | C>T | 0 | 0.435 | 0 | 0.34333333 |
| 48 | 14 | 73653256 | G>A | 0 | 0 | 0 | 0.4 |
| 49 | 14 | 73956925 | A>G | 0 | 0.365 | 0 | 0.5966667 |
| 50 | 14 | 73956944 | T>C | 0 | 0 | 0 | 0.6166667 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 14 | 73959158 | G>A | 0 | 0 | 0 | 0 |
| 3 | 14 | 74084646 | T>C | 0 | 0.316666667 | 0 | 0 |
| 4 | 14 | 74126134 | A>G | 0 | 0 | 0 | 0.4166667 |
| 5 | 14 | 74143933 | G>A | 0 | 0 | 0.366666667 | 0 |
| 6 | 14 | 74183156 | C>T | 0 | 0.333333333 | 0 | 0.5133333 |
| 7 | 14 | 74324995 | T>C | 0 | 0 | 0 | 0.38 |
| 8 | 14 | 74356761 | A>G | 0 | 0.513333333 | 0 | 0 |
| 9 | 14 | 74366636 | T>C | 0 | 0.4 | 0 | 0 |
| 10 | 14 | 74413843 | T>C | 0 | 0.416666667 | 0 | 0.6666667 |
| 11 | 14 | 74500023 | T>C | 0 | 0.333333333 | 0 | 0.5066667 |
| 12 | 14 | 74506971 | T>C | 0 | 0 | 0 | 0 |
| 13 | 14 | 74512219 | T>C | 0 | 0.595 | 0 | 0 |
| 14 | 14 | 74525578 | G>A | 0 | 0 | 0 | 0.57 |
| 15 | 14 | 74528105 | T>A | 0 | 0.37 | 0 | 0.4766667 |
| 16 | 14 | 74569835 | T>G | 0 | 0.695 | 0 | 0 |
| 17 | 14 | 74582811 | C>G | 0 | 0.701666667 | 0 | 0 |
| 18 | 14 | 74592146 | G>A | 0 | 0.555 | 0 | 0 |
| 19 | 14 | 74604492 | C>T | 0 | 0.316666667 | 0 | 0 |
| 20 | 14 | 74721730 | A>G | 0 | 0 | 0.431666667 | 0.3433333 |
| 21 | 14 | 75031333 | A>G | 0 | 0.4 | 0 | 0 |
| 22 | 14 | 75047619 | A>G | 0 | 0.391666667 | 0 | 0.4766667 |
| 23 | 14 | 75167321 | T>A | 0 | 0.351666667 | 0 | 0 |
| 24 | 14 | 75183727 | A>T | 0 | 0 | 0 | 0 |
| 25 | 14 | 75195623 | A>G | 0 | 0 | 0 | 0.5866667 |
| 26 | 14 | 75195836 | T>G | 0 | 0.391666667 | 0 | 0.4766667 |
| 27 | 14 | 75239424 | T>C | 0 | 0 | 0 | 0 |
| 28 | 14 | 75280834 | A>G | 0 | 0.316666667 | 0 | 0 |
| 29 | 14 | 75282054 | T>C | 0 | 0 | 0 | 0 |
| 30 | 14 | 75282067 | C>T | 0 | 0 | 0 | 0 |
| 31 | 14 | 75356263 | A>G | 0 | 0 | 0 | 0 |
| 32 | 14 | 75566714 | T>C | 0 | 0 | 0 | 0 |
| 33 | 14 | 75619718 | A>T | 0 | 0.361666667 | 0 | 0 |
| 34 | 14 | 75709914 | C>T | 0 | 0.308333333 | 0 | 0 |
| 35 | 14 | 75724662 | G>A | 0 | 0 | 0 | 0.4166667 |
| 36 | 14 | 76058729 | G>C | 0 | 0 | 0 | 0 |
| 37 | 14 | 76090132 | T>G | 0 | 0 | 0 | 0 |
| 38 | 14 | 76178446 | T>C | 0 | 0 | 0 | 0 |
| 39 | 14 | 76222979 | C>T | 0 | 0.588333333 | 0 | 0 |
| 40 | 14 | 76282429 | C>T | 0 | 0.606666667 | 0 | 0 |
| 41 | 14 | 76395863 | T>C | 0 | 0.416666667 | 0 | 0 |
| 42 | 14 | 76408351 | A>G | 0 | 0.333333333 | 0 | 0 |
| 43 | 14 | 76470311 | A>G | 0 | 0 | 0 | 0.53 |
| 44 | 14 | 76523810 | A>G | 0 | 0.333333333 | 0 | 0 |
| 45 | 14 | 76664080 | A>G | 0 | 0 | 0 | 0 |
| 46 | 14 | 76882117 | C>T | 0 | 0.555 | 0 | 0 |
| 47 | 14 | 76902063 | T>A | 0 | 0.356666667 | 0 | 0 |
| 48 | 14 | 76910599 | T>C | 0 | 0 | 0 | 0.75 |
| 49 | 14 | 76918409 | C>T | 0 | 0.345 | 0 | 0 |
| 50 | 14 | 76940987 | T>C | 0 | 0.49 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 14 | 76946070 | C>G | 0 | 0 | 0 | 0 |
| 3 | 14 | 77260455 | C>T | 0 | 0.455 | 0 | 0 |
| 4 | 14 | 77299985 | T>C | 0 | 0.555 | 0 | 0 |
| 5 | 14 | 77314144 | T>C | 0 | 0.333333333 | 0 | 0 |
| 6 | 14 | 77314145 | G>A | 0 | 0.445 | 0 | 0 |
| 7 | 14 | 77565460 | T>C | 0 | 0 | 0 | 0 |
| 8 | 14 | 77778851 | A>G | 0 | 0 | 0 | 0 |
| 9 | 14 | 77782268 | T>C | 0 | 0 | 0 | 0 |
| 10 | 14 | 77848312 | G>A | 0 | 0 | 0 | 0.98 |
| 11 | 14 | 77851335 | A>G | 0 | 0 | 0 | 0 |
| 12 | 14 | 77881808 | A>G | 0 | 0 | 0 | 0 |
| 13 | 14 | 77945934 | T>C | 0 | 0.388333333 | 0 | 0 |
| 14 | 14 | 77956752 | G>A | 0 | 0.666666667 | 0 | 0 |
| 15 | 14 | 78201754 | A>G | 0 | 0.445 | 0 | 0 |
| 16 | 14 | 78319726 | A>G | 0 | 0 | 0 | 0.30333333 |
| 17 | 14 | 79004599 | A>T | 0 | 0 | 0 | 0.46 |
| 18 | 14 | 79222589 | A>G | 0 | 0 | 0 | 0 |
| 19 | 14 | 79453099 | T>C | 0 | 0.303333333 | 0 | 0.5366667 |
| 20 | 14 | 79593815 | A>G | 0 | 0 | 0 | 0 |
| 21 | 14 | 79655129 | G>A | 0 | 0.666666667 | 0 | 0.46 |
| 22 | 14 | 79733843 | A>G | 0 | 0 | 0 | 0 |
| 23 | 14 | 79776095 | G>A | 0 | 0.666666667 | 0 | 0 |
| 24 | 14 | 79815002 | A>G | 0 | 0.341666667 | 0 | 0 |
| 25 | 14 | 79846875 | C>A | 0 | 0 | 0 | 0.4166667 |
| 26 | 14 | 79852230 | G>C | 0 | 0 | 0 | 0 |
| 27 | 14 | 79917116 | C>G | 0 | 0.333333333 | 0 | 0.4 |
| 28 | 14 | 79932692 | T>A | 0 | 0 | 0 | 0 |
| 29 | 14 | 79987224 | A>T | 0 | 0.555 | 0 | 0 |
| 30 | 14 | 80003535 | T>G | 0 | 0.385 | 0 | 0 |
| 31 | 14 | 80077739 | A>G | 0 | 0.385 | 0 | 0 |
| 32 | 14 | 80323784 | T>C | 0 | 0.333333333 | 0 | 0 |
| 33 | 14 | 81036513 | A>G | 0 | 0 | 0 | 0.49 |
| 34 | 14 | 81061188 | C>G | 0 | 0 | 0 | 0 |
| 35 | 14 | 81061634 | A>G | 0 | 0 | 0 | 0 |
| 36 | 14 | 81065766 | G>A | 0 | 0.316666667 | 0 | 0 |
| 37 | 14 | 81292190 | T>A | 0 | 0 | 0 | 0.44 |
| 38 | 14 | 81305437 | C>T | 0 | 0.345 | 0 | 0 |
| 39 | 14 | 81352666 | A>T | 0 | 0.333333333 | 0.316666667 | 0 |
| 40 | 14 | 81355387 | A>G | 0 | 0 | 0.416666667 | 0 |
| 41 | 14 | 81377664 | A>G | 0 | 0.356666667 | 0 | 0 |
| 42 | 14 | 81466534 | T>C | 0 | 0.345 | 0 | 0 |
| 43 | 14 | 81510263 | A>T | 0 | 0.513333333 | 0 | 0 |
| 44 | 14 | 81523637 | A>C | 0 | 0 | 0 | 0.3633333 |
| 45 | 14 | 81563900 | G>A | 0 | 0.513333333 | 0 | 0 |
| 46 | 14 | 81674091 | C>A | 0 | 0 | 0 | 0.3166667 |
| 47 | 14 | 81770865 | A>G | 0 | 0.345 | 0 | 0.4333333 |
| 48 | 14 | 81838650 | G>C | 0 | 0 | 0.313333333 | 0.3933333 |
| 49 | 14 | 88444567 | A>G | 0 | 0.416666667 | 0 | 0 |
| 50 | 14 | 88680518 | G>A | 0 | 0 | 0 | 0.36 |
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| 1 | | | | | | | |
| 2 | 14 | 88687430 | G>A | 0 | 0 | 0 | 0.38 |
| 3 | 14 | 88948860 | T>C | 0 | 0 | 0 | 0 |
| 4 | 14 | 89010496 | T>C | 0 | 0 | 0 | 0.40666667 |
| 5 | 14 | 89058955 | A>C | 0 | 0 | 0 | 0.43 |
| 6 | 14 | 89065215 | C>G | 0 | 0.416666667 | 0 | 0 |
| 7 | 14 | 89142494 | A>G | 0 | 0 | 0 | 0 |
| 8 | 14 | 89142513 | T>C | 0 | 0 | 0 | 0 |
| 9 | 14 | 89197910 | C>T | 0 | 0.555 | 0 | 0.37 |
| 10 | 14 | 89197925 | T>C | 0 | 0 | 0 | 0 |
| 11 | 14 | 89198125 | C>T | 0 | 0.513333333 | 0 | 0 |
| 12 | 14 | 89657701 | A>G | 0 | 0 | 0 | 0 |
| 13 | 14 | 89657744 | G>C | 0 | 0 | 0 | 0 |
| 14 | 14 | 89763219 | C>G | 0 | 0 | 0 | 0 |
| 15 | 14 | 89799931 | A>C | 0 | 0 | 0 | 0 |
| 16 | 14 | 89805587 | A>G | 0 | 0.378333333 | 0.326666667 | 0 |
| 17 | 14 | 89810153 | G>C | 0 | 0 | 0 | 0.62666667 |
| 18 | 14 | 89893466 | G>A | 0 | 0 | 0 | 0 |
| 19 | 14 | 89949024 | G>A | 0 | 0 | 0 | 0.47666667 |
| 20 | 14 | 89962382 | T>C | 0 | 0.476666667 | 0 | 0 |
| 21 | 14 | 90013830 | T>C | 0 | 0.466666667 | 0 | 0 |
| 22 | 14 | 90018954 | A>G | 0 | 0.356666667 | 0 | 0.55666667 |
| 23 | 14 | 90268831 | A>G | 0 | 0 | 0 | 0 |
| 24 | 14 | 90268832 | A>T | 0 | 0 | 0 | 0 |
| 25 | 14 | 90294256 | T>C | 0 | 0 | 0 | 0 |
| 26 | 14 | 90443086 | T>G | 0 | 0.376666667 | 0 | 0 |
| 27 | 14 | 90487396 | A>C | 0 | 0.666666667 | 0 | 0 |
| 28 | 14 | 90505150 | T>C | 0 | 0.715 | 0 | 0 |
| 29 | 14 | 90603933 | A>G | 0 | 0.396666667 | 0 | 0 |
| 30 | 14 | 90782126 | G>C | 0 | 0.438333333 | 0 | 0 |
| 31 | 14 | 91032483 | C>G | 0 | 0.73 | 0 | 0 |
| 32 | 14 | 91070800 | C>T | 0 | 0 | 0 | 0 |
| 33 | 14 | 91260227 | T>C | 0 | 0 | 0 | 0 |
| 34 | 14 | 91266972 | A>G | 0 | 0.32 | 0 | 0 |
| 35 | 14 | 91396471 | T>C | 0 | 0.353333333 | 0 | 0 |
| 36 | 14 | 91488035 | G>A | 0 | 0 | 0 | 0 |
| 37 | 14 | 91515775 | G>A | 0 | 0 | 0 | 0.43 |
| 38 | 14 | 91646440 | C>G | 0 | 0 | 0.37 | 0 |
| 39 | 14 | 91703412 | G>A | 0 | 0.448333333 | 0 | 0 |
| 40 | 14 | 91775701 | T>C | 0 | 0.555 | 0 | 0 |
| 41 | 14 | 91778619 | A>G | 0 | 0 | 0 | 0 |
| 42 | 14 | 91783026 | G>A | 0 | 0 | 0 | 0.42666667 |
| 43 | 14 | 91866694 | T>C | 0 | 0 | 0 | 0 |
| 44 | 14 | 91876097 | C>T | 0 | 0.46 | 0 | 0 |
| 45 | 14 | 91954263 | C>G | 0 | 0.313333333 | 0 | 0 |
| 46 | 14 | 92087500 | T>C | 0 | 0 | 0 | 0 |
| 47 | 14 | 92087548 | G>C | 0 | 0 | 0 | 0 |
| 48 | 14 | 92104938 | A>T | 0 | 0.333333333 | 0 | 0 |
| 49 | 14 | 92275574 | A>G | 0 | 0 | 0 | 0.37 |
| 50 | 14 | 92388562 | A>G | 0 | 0.53 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 14 | 92460878 | G>A | 0 | 0 | 0 | 0 |
| 3 | 14 | 92490473 | A>G | 0 | 0.463333333 | 0 | 0 |
| 4 | 14 | 92570995 | T>C | 0 | 0 | 0 | 0.4766667 |
| 5 | 14 | 93045319 | T>C | 0 | 0.385 | 0 | 0 |
| 6 | 14 | 93133612 | T>C | 0 | 0.361666667 | 0 | 0.4166667 |
| 7 | 14 | 93274331 | A>G | 0 | 0.37 | 0 | 0.5366667 |
| 8 | 14 | 93274362 | A>G | 0 | 0 | 0 | 0 |
| 9 | 14 | 93509114 | G>A | 0 | 0 | 0 | 0 |
| 10 | 14 | 93509125 | G>A | 0 | 0 | 0 | 0 |
| 11 | 14 | 93570634 | T>C | 0 | 0.435 | 0 | 0 |
| 12 | 14 | 93572325 | T>C | 0 | 0 | 0 | 0 |
| 13 | 14 | 93776978 | G>C | 0 | 0 | 0 | 0.3133333 |
| 14 | 14 | 93802812 | C>T | 0 | 0.37 | 0 | 0 |
| 15 | 14 | 94033184 | T>C | 0 | 0.416666667 | 0 | 0 |
| 16 | 14 | 94050368 | T>G | 0 | 0.378333333 | 0 | 0 |
| 17 | 14 | 94173095 | C>A | 0 | 0 | 0 | 0 |
| 18 | 14 | 94554550 | T>G | 0 | 0 | 0 | 0 |
| 19 | 14 | 94719713 | T>C | 0 | 0 | 0 | 0 |
| 20 | 14 | 94719714 | A>T | 0 | 0 | 0 | 0 |
| 21 | 14 | 96530446 | A>T | 0 | 0.455 | 0 | 0 |
| 22 | 14 | 96825477 | C>G | 0 | 0.333333333 | 0 | 0 |
| 23 | 14 | 96861444 | T>C | 0 | 0.666666667 | 0 | 0 |
| 24 | 14 | 96895152 | A>T | 0 | 0 | 0.555 | 0.98 |
| 25 | 14 | 96897049 | G>A | 0 | 0 | 0 | 0 |
| 26 | 14 | 96897101 | T>G | 0 | 0 | 0 | 0.5133333 |
| 27 | 14 | 96897117 | A>G | 0 | 0 | 0 | 0.7133333 |
| 28 | 14 | 96915086 | G>A | 0 | 0 | 0 | 0.5 |
| 29 | 14 | 96970918 | A>G | 0 | 0.356666667 | 0 | 0 |
| 30 | 14 | 1E+08 | T>C | 0 | 0.346666667 | 0 | 0 |
| 31 | 14 | 1E+08 | G>T | 0 | 0.333333333 | 0 | 0.3766667 |
| 32 | 14 | 1E+08 | C>T | 0 | 0.316666667 | 0 | 0 |
| 33 | 14 | 1.01E+08 | T>A | 0 | 0 | 0 | 0 |
| 34 | 14 | 1.01E+08 | T>C | 0 | 0 | 0 | 0.77 |
| 35 | 14 | 1.01E+08 | G>C | 0 | 0 | 0.316666667 | 0 |
| 36 | 14 | 1.02E+08 | G>A | 0 | 0.555 | 0 | 0 |
| 37 | 14 | 1.02E+08 | G>A | 0 | 0.466666667 | 0 | 0 |
| 38 | 14 | 1.02E+08 | A>G | 0 | 0 | 0 | 0 |
| 39 | 14 | 1.02E+08 | C>T | 0 | 0 | 0 | 0 |
| 40 | 14 | 1.02E+08 | A>G | 0 | 0.361666667 | 0 | 0 |
| 41 | 14 | 1.02E+08 | T>G | 0 | 0.486666667 | 0 | 0 |
| 42 | 14 | 1.02E+08 | G>T | 0 | 0 | 0 | 0 |
| 43 | 14 | 1.03E+08 | A>G | 0 | 0.316666667 | 0 | 0 |
| 44 | 14 | 1.03E+08 | T>C | 0 | 0 | 0 | 0 |
| 45 | 14 | 1.03E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| 46 | 14 | 1.03E+08 | A>G | 0 | 0 | 0 | 0 |
| 47 | 14 | 1.03E+08 | T>C | 0 | 0 | 0 | 0.43 |
| 48 | 14 | 1.03E+08 | A>G | 0 | 0 | 0 | 0.4766667 |
| 49 | 14 | 1.03E+08 | G>T | 0 | 0 | 0.316666667 | 0 |
| 50 | 14 | 1.03E+08 | C>A | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 14 | 1.03E+08 | G>C | 0 | 0 | 0 | 0.63333333 |
| 3 | 14 | 1.03E+08 | A>G | 0 | 0 | 0 | 0 |
| 4 | 14 | 1.03E+08 | A>G | 0 | 0 | 0 | 0 |
| 5 | 14 | 1.03E+08 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 6 | 14 | 1.03E+08 | T>C | 0 | 0 | 0 | 0 |
| 7 | 14 | 1.03E+08 | G>A | 0 | 0 | 0 | 0 |
| 8 | 14 | 1.03E+08 | G>A | 0 | 0 | 0 | 0.38 |
| 9 | 14 | 1.04E+08 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 10 | 14 | 1.04E+08 | A>G | 0 | 0 | 0 | 0 |
| 11 | 14 | 1.04E+08 | C>G | 0 | 0 | 0.36 | 0.40666667 |
| 12 | 14 | 1.04E+08 | A>G | 0 | 0 | 0 | 0 |
| 13 | 14 | 1.04E+08 | G>T | 0 | 0 | 0 | 0 |
| 14 | 14 | 1.04E+08 | T>A | 0 | 0 | 0.3566666667 | 0 |
| 15 | 14 | 1.04E+08 | T>C | 0 | 0.4766666667 | 0 | 0.45666667 |
| 16 | 14 | 1.04E+08 | T>A | 0 | 0 | 0 | 0 |
| 17 | 14 | 1.04E+08 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 18 | 14 | 1.04E+08 | T>C | 0 | 0.5266666667 | 0 | 0 |
| 19 | 14 | 1.04E+08 | A>G | 0 | 0.385 | 0 | 0 |
| 20 | 14 | 1.04E+08 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 21 | 14 | 1.04E+08 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 22 | 14 | 1.04E+08 | G>A | 0 | 0.3466666667 | 0 | 0 |
| 23 | 14 | 1.04E+08 | A>G | 0 | 0.5883333333 | 0 | 0 |
| 24 | 14 | 1.04E+08 | A>G | 0 | 0 | 0 | 0.55666667 |
| 25 | 14 | 1.04E+08 | T>C | 0 | 0 | 0 | 0 |
| 26 | 14 | 1.05E+08 | G>A | 0 | 0 | 0 | 0 |
| 27 | 14 | 1.05E+08 | A>G | 0 | 0.5133333333 | 0 | 0 |
| 28 | 14 | 1.05E+08 | C>T | 0 | 0.3916666667 | 0 | 0 |
| 29 | 14 | 1.05E+08 | C>T | 0 | 0.3166666667 | 0 | 0 |
| 30 | 14 | 1.05E+08 | A>G | 0 | 0 | 0 | 0 |
| 31 | 14 | 1.06E+08 | A>T | 0 | 0 | 0 | 0 |
| 32 | 14 | 1.06E+08 | C>T | 0 | 0 | 0 | 0 |
| 33 | 14 | 1.06E+08 | T>C | 0 | 0 | 0.385 | 0 |
| 34 | 14 | 1.06E+08 | C>T | 0 | 0.3916666667 | 0 | 0 |
| 35 | 14 | 1.06E+08 | G>T | 0 | 0 | 0 | 0 |
| 36 | 15 | 22837907 | G>A | 0 | 0 | 0 | 0 |
| 37 | 15 | 22923474 | G>A | 0 | 0.6666666667 | 0 | 0 |
| 38 | 15 | 25112741 | C>T | 0 | 0.5133333333 | 0 | 1 |
| 39 | 15 | 25143540 | T>G | 0 | 0 | 0 | 0 |
| 40 | 15 | 25193538 | T>C | 0 | 0 | 0 | 0.51333333 |
| 41 | 15 | 25926982 | T>C | 0 | 0.4166666667 | 0 | 0 |
| 42 | 15 | 26078841 | C>T | 0 | 0.3916666667 | 0 | 0 |
| 43 | 15 | 26829147 | C>T | 0 | 0 | 0.3533333333 | 0.42666667 |
| 44 | 15 | 26979458 | A>G | 0 | 0.3516666667 | 0 | 0 |
| 45 | 15 | 27237146 | A>G | 0 | 0 | 0 | 0.33333333 |
| 46 | 15 | 27401191 | G>A | 0 | 0.3566666667 | 0 | 0.47666667 |
| 47 | 15 | 27433583 | A>G | 0 | 0.695 | 0 | 0 |
| 48 | 15 | 27462360 | T>A | 0 | 0 | 0.3166666667 | 0.45333333 |
| 49 | 15 | 27512439 | T>A | 0 | 0.385 | 0 | 0.31666667 |
| 50 | 15 | 27614878 | G>A | 0 | 0 | 0 | 0.38 |
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|----|----|----------|-----|---|-------------|---|-----------|
| 1 | 15 | 27699028 | A>G | 0 | 0 | 0 | 0 |
| 2 | 15 | 27717687 | C>G | 0 | 0 | 0 | 0 |
| 3 | 15 | 27734825 | G>A | 0 | 0.476666667 | 0 | 0 |
| 4 | 15 | 28044752 | G>A | 0 | 0 | 0 | 0 |
| 5 | 15 | 28432704 | T>C | 0 | 0.303333333 | 0 | 0 |
| 6 | 15 | 28511553 | T>C | 0 | 0 | 0 | 0 |
| 7 | 15 | 29489710 | A>G | 0 | 0.333333333 | 0 | 0.3566667 |
| 8 | 15 | 29546886 | G>C | 0 | 0.533333333 | 0 | 0 |
| 9 | 15 | 29642034 | A>G | 0 | 0.333333333 | 0 | 0 |
| 10 | 15 | 29701787 | A>C | 0 | 0 | 0 | 0 |
| 11 | 15 | 29708519 | T>C | 0 | 0 | 0 | 0 |
| 12 | 15 | 29709365 | T>C | 0 | 0.378333333 | 0 | 0 |
| 13 | 15 | 29845317 | T>C | 0 | 0 | 0 | 0 |
| 14 | 15 | 29853809 | G>T | 0 | 0 | 0 | 0 |
| 15 | 15 | 31274116 | C>T | 0 | 0 | 0 | 0 |
| 16 | 15 | 31344933 | G>A | 0 | 0.521666667 | 0 | 0 |
| 17 | 15 | 31870921 | C>T | 0 | 0 | 0 | 0.46 |
| 18 | 15 | 32371568 | T>C | 0 | 0.391666667 | 0 | 0.5133333 |
| 19 | 15 | 32372450 | T>C | 0 | 0 | 0 | 1 |
| 20 | 15 | 32433915 | T>C | 0 | 0 | 0 | 0.3566667 |
| 21 | 15 | 32436278 | A>T | 0 | 0 | 0 | 0.4066667 |
| 22 | 15 | 32436384 | G>A | 0 | 0 | 0 | 0.6333333 |
| 23 | 15 | 32986103 | T>G | 0 | 0 | 0 | 0.5866667 |
| 24 | 15 | 33017426 | C>T | 0 | 0.416666667 | 0 | 0 |
| 25 | 15 | 33018714 | G>T | 0 | 0.351666667 | 0 | 0.4166667 |
| 26 | 15 | 33134321 | G>A | 0 | 0.778333333 | 0 | 0 |
| 27 | 15 | 33186484 | G>A | 0 | 0 | 0 | 0.3933333 |
| 28 | 15 | 33222401 | A>G | 0 | 0.381666667 | 0 | 0 |
| 29 | 15 | 33243664 | G>A | 0 | 0 | 0 | 0.49 |
| 30 | 15 | 33976815 | T>C | 0 | 0.666666667 | 0 | 0 |
| 31 | 15 | 33980256 | A>T | 0 | 0 | 0 | 0.38 |
| 32 | 15 | 34043424 | A>G | 0 | 0.313333333 | 0 | 0 |
| 33 | 15 | 34048241 | T>C | 0 | 0.313333333 | 0 | 0 |
| 34 | 15 | 34052770 | G>A | 0 | 0.416666667 | 0 | 0 |
| 35 | 15 | 34056391 | G>A | 0 | 0 | 0 | 0 |
| 36 | 15 | 34057076 | G>A | 0 | 0 | 0 | 0 |
| 37 | 15 | 34155032 | A>G | 0 | 0 | 0 | 0 |
| 38 | 15 | 34169899 | C>T | 0 | 0 | 0 | 0 |
| 39 | 15 | 34313705 | G>C | 0 | 0.438333333 | 0 | 0.3566667 |
| 40 | 15 | 34343392 | T>C | 0 | 0.37 | 0 | 0 |
| 41 | 15 | 34384215 | T>C | 0 | 0 | 0 | 0 |
| 42 | 15 | 34389354 | T>C | 0 | 0.391666667 | 0 | 0 |
| 43 | 15 | 34460813 | T>C | 0 | 0.343333333 | 0 | 0 |
| 44 | 15 | 34462820 | T>C | 0 | 0.416666667 | 0 | 0 |
| 45 | 15 | 34462909 | G>C | 0 | 0 | 0 | 0.52 |
| 46 | 15 | 34543515 | C>T | 0 | 0.356666667 | 0 | 0 |
| 47 | 15 | 34557156 | A>G | 0 | 0.526666667 | 0 | 0.57 |
| 48 | 15 | 34581433 | G>A | 0 | 0 | 0 | 0.4333333 |
| 49 | 15 | 34582434 | T>G | 0 | 0.666666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 15 | 34654097 | G>A | 0 | 0 | 0 | 0 |
| 3 | 15 | 35254721 | C>G | 0 | 0 | 0 | 0.8766667 |
| 4 | 15 | 35260706 | G>A | 0 | 0 | 0 | 0.6266667 |
| 5 | 15 | 35677739 | C>A | 0 | 0.313333333 | 0 | 0 |
| 6 | 15 | 35780408 | C>T | 0 | 0 | 0 | 0.5 |
| 7 | 15 | 35807688 | C>T | 0 | 0.333333333 | 0 | 0 |
| 8 | 15 | 36936876 | T>C | 0 | 0 | 0 | 0 |
| 9 | 15 | 37099604 | T>C | 0 | 0 | 0 | 0 |
| 10 | 15 | 37099605 | G>C | 0 | 0 | 0 | 0 |
| 11 | 15 | 37248127 | T>C | 0 | 0 | 0 | 0.8966667 |
| 12 | 15 | 38574495 | C>G | 0 | 0.455 | 0 | 0 |
| 13 | 15 | 38601638 | A>G | 0 | 0.396666667 | 0 | 0 |
| 14 | 15 | 40015515 | T>C | 0 | 0.793333333 | 0 | 0 |
| 15 | 15 | 40015554 | C>T | 0 | 0.606666667 | 0 | 0 |
| 16 | 15 | 40018244 | T>C | 0 | 0 | 0 | 0.4766667 |
| 17 | 15 | 40127333 | T>C | 0 | 0 | 0 | 0 |
| 18 | 15 | 40276289 | A>G | 0 | 0.486666667 | 0 | 0.36 |
| 19 | 15 | 40276859 | A>G | 0 | 0.333333333 | 0.356666667 | 0 |
| 20 | 15 | 40277431 | A>G | 0 | 0 | 0 | 0 |
| 21 | 15 | 40278798 | C>T | 0 | 0 | 0 | 0 |
| 22 | 15 | 40288664 | A>G | 0 | 0 | 0 | 0 |
| 23 | 15 | 40297993 | T>C | 0 | 0.37 | 0 | 0 |
| 24 | 15 | 40380997 | G>T | 0 | 0 | 0 | 0 |
| 25 | 15 | 40459797 | C>T | 0 | 0 | 0 | 0 |
| 26 | 15 | 40473039 | T>C | 0 | 0.888333333 | 0 | 0 |
| 27 | 15 | 40499104 | G>A | 0 | 0 | 0 | 0 |
| 28 | 15 | 40511818 | A>G | 0 | 0 | 0 | 0 |
| 29 | 15 | 40903355 | A>G | 0 | 0 | 0 | 0.4333333 |
| 30 | 15 | 40908540 | C>G | 0 | 0.385 | 0.416666667 | 0.5566667 |
| 31 | 15 | 40923201 | C>A | 0 | 0 | 0 | 0.53 |
| 32 | 15 | 40947278 | C>A | 0 | 0 | 0 | 0.46 |
| 33 | 15 | 41143428 | T>C | 0 | 0.951666667 | 0 | 0 |
| 34 | 15 | 41299256 | C>T | 0 | 0 | 0 | 0 |
| 35 | 15 | 41322835 | T>C | 0 | 0.385 | 0 | 0 |
| 36 | 15 | 41347048 | T>C | 0 | 0.333333333 | 0 | 0 |
| 37 | 15 | 41382521 | C>T | 0 | 0.333333333 | 0 | 0 |
| 38 | 15 | 41543251 | C>T | 0 | 0.666666667 | 0 | 0 |
| 39 | 15 | 41543298 | A>G | 0 | 0.438333333 | 0 | 0 |
| 40 | 15 | 41613086 | G>C | 0 | 0 | 0 | 0 |
| 41 | 15 | 41633445 | T>G | 0 | 0.435 | 0 | 0.3033333 |
| 42 | 15 | 41636198 | T>C | 0 | 0.316666667 | 0 | 0 |
| 43 | 15 | 41657466 | C>T | 0 | 0.445 | 0 | 0 |
| 44 | 15 | 41693239 | C>T | 0 | 0.385 | 0 | 0.7833333 |
| 45 | 15 | 41714393 | T>C | 0 | 0 | 0 | 0.46 |
| 46 | 15 | 41716951 | T>G | 0 | 0 | 0 | 0.7633333 |
| 47 | 15 | 41737152 | C>T | 0 | 0 | 0 | 0.5566667 |
| 48 | 15 | 41799414 | T>A | 0 | 0 | 0 | 0 |
| 49 | 15 | 41817699 | A>G | 0 | 0.356666667 | 0 | 0 |
| 50 | 15 | 41973853 | T>G | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 15 | 42013460 | A>G | 0 | 0 | 0 | 0 |
| 3 | 15 | 42030094 | T>C | 0 | 0.316666667 | 0 | 0 |
| 4 | 15 | 42040499 | T>C | 0 | 0 | 0 | 0.3166667 |
| 5 | 15 | 42076720 | A>G | 0 | 0 | 0 | 0.6066667 |
| 6 | 15 | 42295966 | T>C | 0 | 0 | 0 | 0 |
| 7 | 15 | 42466376 | T>C | 0 | 0 | 0 | 0.6066667 |
| 8 | 15 | 42488997 | G>T | 0 | 0 | 0 | 0.5566667 |
| 9 | 15 | 42531427 | T>C | 0 | 0.555 | 0 | 0.49 |
| 10 | 15 | 42540554 | C>G | 0 | 0.476666667 | 0 | 0 |
| 11 | 15 | 42543191 | T>C | 0 | 0.416666667 | 0 | 0.37 |
| 12 | 15 | 42570948 | C>T | 0 | 0.416666667 | 0 | 0 |
| 13 | 15 | 42596923 | A>C | 0 | 0.37 | 0 | 0 |
| 14 | 15 | 42724594 | T>C | 0 | 0.445 | 0 | 0 |
| 15 | 15 | 42788740 | T>C | 0 | 0.37 | 0 | 0 |
| 16 | 15 | 42804650 | T>C | 0 | 0.445 | 0 | 0 |
| 17 | 15 | 42850727 | A>G | 0 | 0.32 | 0 | 0 |
| 18 | 15 | 42891338 | C>T | 0 | 0 | 0 | 0 |
| 19 | 15 | 43009465 | T>C | 0 | 0.513333333 | 0 | 0.37 |
| 20 | 15 | 43058266 | T>C | 0 | 0 | 0 | 0.4333333 |
| 21 | 15 | 43059354 | T>C | 0 | 0 | 0 | 0 |
| 22 | 15 | 43082663 | T>A | 0 | 0.345 | 0 | 0.4166667 |
| 23 | 15 | 43166789 | C>A | 0 | 0.333333333 | 0 | 0.4933333 |
| 24 | 15 | 43166914 | G>A | 0 | 0.455 | 0 | 0 |
| 25 | 15 | 43175331 | A>G | 0 | 0.345 | 0 | 0 |
| 26 | 15 | 43194243 | A>G | 0 | 0 | 0 | 0.4266667 |
| 27 | 15 | 43239084 | G>A | 0 | 0.455 | 0 | 0 |
| 28 | 15 | 43261024 | A>G | 0 | 0.606666667 | 0 | 0 |
| 29 | 15 | 43261035 | A>G | 0 | 0.666666667 | 0 | 0 |
| 30 | 15 | 43261973 | A>C | 0 | 0.555 | 0 | 0.3566667 |
| 31 | 15 | 43371742 | A>C | 0 | 0.303333333 | 0.361666667 | 0 |
| 32 | 15 | 43568799 | C>T | 0 | 0 | 0 | 0 |
| 33 | 15 | 43676168 | C>T | 0 | 0 | 0.351666667 | 0 |
| 34 | 15 | 43676276 | T>C | 0 | 0.385 | 0 | 0.44 |
| 35 | 15 | 43686480 | G>C | 0 | 0.385 | 0 | 0 |
| 36 | 15 | 43727248 | G>C | 0 | 0.313333333 | 0 | 0 |
| 37 | 15 | 43732835 | T>C | 0 | 0.385 | 0 | 0 |
| 38 | 15 | 43746334 | C>T | 0 | 0 | 0 | 0 |
| 39 | 15 | 44087637 | A>G | 0 | 0 | 0 | 0 |
| 40 | 15 | 44139132 | T>A | 0 | 0.5 | 0 | 0.3566667 |
| 41 | 15 | 44139150 | A>G | 0 | 0.391666667 | 0 | 0.64 |
| 42 | 15 | 44146733 | G>A | 0 | 0 | 0 | 0.5066667 |
| 43 | 15 | 44159085 | A>C | 0 | 0 | 0 | 0 |
| 44 | 15 | 44159096 | A>G | 0 | 0.416666667 | 0 | 0 |
| 45 | 15 | 44181846 | C>T | 0 | 0 | 0 | 0 |
| 46 | 15 | 44253757 | T>C | 0 | 0.833333333 | 0 | 0 |
| 47 | 15 | 44253853 | G>A | 0 | 0 | 0 | 0.3833333 |
| 48 | 15 | 44254550 | C>T | 0 | 0 | 0 | 0.4533333 |
| 49 | 15 | 44313370 | T>G | 0 | 0.588333333 | 0 | 0 |
| 50 | 15 | 44393168 | A>G | 0 | 0 | 0 | 0.4533333 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 15 | 44400609 | A>G | 0 | 0 | 0 | 0 |
| 3 | 15 | 44644933 | G>A | 0 | 0.438333333 | 0 | 0 |
| 4 | 15 | 44668209 | C>T | 0 | 0.345 | 0 | 0 |
| 5 | 15 | 44741706 | G>T | 0 | 0 | 0 | 0.57333333 |
| 6 | 15 | 44745958 | C>A | 0 | 0 | 0.37 | 0 |
| 7 | 15 | 44784314 | A>G | 0 | 0.513333333 | 0 | 0 |
| 8 | 15 | 44815275 | G>A | 0 | 0.346666667 | 0 | 0 |
| 9 | 15 | 44859318 | C>G | 0 | 0.625 | 0 | 0 |
| 10 | 15 | 44868083 | A>G | 0 | 0 | 0.435 | 0 |
| 11 | 15 | 44868139 | G>A | 0 | 0.356666667 | 0 | 0 |
| 12 | 15 | 44908675 | T>C | 0 | 0 | 0 | 0.4166667 |
| 13 | 15 | 45035322 | T>C | 0 | 0.463333333 | 0 | 0 |
| 14 | 15 | 45053351 | C>T | 0 | 0.333333333 | 0 | 0 |
| 15 | 15 | 45437928 | C>G | 0 | 0 | 0 | 0 |
| 16 | 15 | 45484750 | C>T | 0 | 0 | 0 | 0 |
| 17 | 15 | 45696779 | T>C | 0 | 0.555 | 0 | 0 |
| 18 | 15 | 45696780 | G>A | 0 | 0.416666667 | 0 | 0 |
| 19 | 15 | 45888119 | A>C | 0 | 0 | 0 | 0.4166667 |
| 20 | 15 | 45949028 | A>G | 0 | 0.445 | 0 | 0 |
| 21 | 15 | 48462347 | C>G | 0 | 0 | 0 | 0.4433333 |
| 22 | 15 | 49299178 | G>C | 0 | 0 | 0 | 0 |
| 23 | 15 | 49494303 | T>C | 0 | 0 | 0 | 0.68 |
| 24 | 15 | 49494471 | A>G | 0 | 0.79 | 0 | 0.4266667 |
| 25 | 15 | 49609726 | G>T | 0 | 0 | 0 | 0.4533333 |
| 26 | 15 | 49609742 | A>C | 0 | 0 | 0 | 0.5266667 |
| 27 | 15 | 49688281 | C>T | 0 | 0.416666667 | 0 | 0 |
| 28 | 15 | 49693268 | G>A | 0 | 0.416666667 | 0 | 0.35 |
| 29 | 15 | 49712941 | C>T | 0 | 0 | 0 | 0 |
| 30 | 15 | 49746830 | G>A | 0 | 0 | 0.463333333 | 0 |
| 31 | 15 | 49746831 | A>G | 0 | 0 | 0.346666667 | 0 |
| 32 | 15 | 49839116 | A>G | 0 | 0 | 0 | 0 |
| 33 | 15 | 49877126 | T>C | 0 | 0 | 0.385 | 0.4766667 |
| 34 | 15 | 50241571 | A>G | 0 | 0 | 0 | 0.4433333 |
| 35 | 15 | 50260155 | A>G | 0 | 0.513333333 | 0 | 0 |
| 36 | 15 | 50262639 | G>A | 0 | 0 | 0.313333333 | 0.35 |
| 37 | 15 | 50263385 | G>A | 0 | 0.333333333 | 0 | 0.4333333 |
| 38 | 15 | 50263403 | A>G | 0 | 0 | 0 | 0 |
| 39 | 15 | 50263416 | T>G | 0 | 0 | 0 | 0 |
| 40 | 15 | 50382491 | A>G | 0 | 0.346666667 | 0 | 0 |
| 41 | 15 | 50491499 | A>G | 0 | 0 | 0 | 0 |
| 42 | 15 | 50496438 | A>G | 0 | 0.391666667 | 0 | 0 |
| 43 | 15 | 50543313 | G>A | 0 | 0.606666667 | 0 | 0 |
| 44 | 15 | 50582648 | A>C | 0 | 0 | 0 | 0.3333333 |
| 45 | 15 | 50625963 | C>T | 0 | 0 | 0 | 0 |
| 46 | 15 | 50885240 | A>C | 0 | 0.36 | 0 | 0 |
| 47 | 15 | 50957424 | G>A | 0 | 0 | 0 | 0.3033333 |
| 48 | 15 | 50964521 | A>G | 0 | 0 | 0.3 | 0 |
| 49 | 15 | 50973370 | C>T | 0 | 0 | 0 | 0 |
| 50 | 15 | 51027934 | G>A | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 15 | 51206639 | A>G | 0 | 0.353333333 | 0 | 0.4166667 |
| 3 | 15 | 51247610 | A>T | 0 | 0 | 0 | 0 |
| 4 | 15 | 51282800 | T>C | 0 | 0 | 0 | 0.6466667 |
| 5 | 15 | 51508662 | T>C | 0 | 0 | 0 | 0.3833333 |
| 6 | 15 | 51779919 | A>T | 0 | 0.6 | 0 | 0 |
| 7 | 15 | 51802536 | A>G | 0 | 0 | 0 | 0 |
| 8 | 15 | 51802582 | C>A | 0 | 0.625 | 0 | 0 |
| 9 | 15 | 51802777 | C>T | 0 | 0.641666667 | 0 | 0 |
| 10 | 15 | 51864967 | A>T | 0 | 0 | 0 | 0 |
| 11 | 15 | 51865355 | T>C | 0 | 0 | 0 | 0.52 |
| 12 | 15 | 51865382 | C>T | 0 | 0.521666667 | 0 | 0 |
| 13 | 15 | 51865706 | C>T | 0 | 0 | 0 | 0 |
| 14 | 15 | 51884059 | C>G | 0 | 0 | 0 | 0.5266667 |
| 15 | 15 | 51888534 | T>C | 0 | 0.313333333 | 0 | 0 |
| 16 | 15 | 51888927 | G>A | 0 | 0.888333333 | 0 | 0 |
| 17 | 15 | 52082865 | C>G | 0 | 0 | 0 | 0 |
| 18 | 15 | 52083376 | G>A | 0 | 0 | 0 | 0.4533333 |
| 19 | 15 | 52168759 | T>C | 0 | 0 | 0 | 0 |
| 20 | 15 | 52253364 | A>G | 0 | 0.381666667 | 0 | 0 |
| 21 | 15 | 52347238 | C>A | 0 | 0 | 0 | 0.58 |
| 22 | 15 | 52402844 | A>G | 0 | 0.416666667 | 0 | 0 |
| 23 | 15 | 52482504 | T>C | 0 | 0.416666667 | 0 | 0 |
| 24 | 15 | 52485262 | T>C | 0 | 0.323333333 | 0.315 | 0.3333333 |
| 25 | 15 | 52490464 | G>A | 0 | 0.351666667 | 0 | 0 |
| 26 | 15 | 52691023 | C>T | 0 | 0.555 | 0 | 0 |
| 27 | 15 | 52717754 | G>A | 0 | 0 | 0 | 0.37 |
| 28 | 15 | 52766302 | T>C | 0 | 0 | 0.445 | 0 |
| 29 | 15 | 52766303 | G>A | 0 | 0 | 0.445 | 0 |
| 30 | 15 | 52768995 | G>C | 0 | 0.77 | 0.356666667 | 0 |
| 31 | 15 | 52809724 | G>A | 0 | 0 | 0 | 0.38 |
| 32 | 15 | 53066770 | A>T | 0 | 0.5 | 0 | 0 |
| 33 | 15 | 53837732 | C>T | 0 | 0.303333333 | 0 | 1 |
| 34 | 15 | 53839572 | A>G | 0 | 0.37 | 0 | 0 |
| 35 | 15 | 53859252 | T>C | 0 | 0 | 0 | 0 |
| 36 | 15 | 53885756 | T>C | 0 | 0.715 | 0 | 0 |
| 37 | 15 | 53969186 | C>T | 0 | 0 | 0 | 0 |
| 38 | 15 | 53979637 | T>G | 0 | 0 | 0 | 0 |
| 39 | 15 | 54348925 | G>C | 0 | 0 | 0 | 0 |
| 40 | 15 | 54352143 | T>C | 0 | 0 | 0 | 0.74 |
| 41 | 15 | 54741715 | A>C | 0 | 0.416666667 | 0 | 0 |
| 42 | 15 | 55527523 | A>G | 0 | 0.79 | 0 | 0 |
| 43 | 15 | 55549988 | C>A | 0 | 0 | 0 | 0 |
| 44 | 15 | 55561774 | A>G | 0 | 0 | 0 | 0 |
| 45 | 15 | 55561802 | A>G | 0 | 0 | 0 | 0 |
| 46 | 15 | 55618869 | G>C | 0 | 0 | 0 | 0.46 |
| 47 | 15 | 55653720 | G>A | 0 | 0.476666667 | 0 | 0 |
| 48 | 15 | 55694473 | G>T | 0 | 0 | 0 | 0 |
| 49 | 15 | 55927540 | A>G | 0 | 0.403333333 | 0 | 0 |
| 50 | 15 | 56133410 | A>G | 0 | 0 | 0 | 0.5733333 |
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| 1 | | | | | | | |
| 2 | 15 | 56404815 | G>A | 0 | 0.606666667 | 0 | 0 |
| 3 | 15 | 56407874 | G>T | 0 | 0 | 0 | 0.6666667 |
| 4 | 15 | 56428051 | T>C | 0 | 0 | 0 | 0 |
| 5 | 15 | 56428245 | T>C | 0 | 0 | 0 | 0.57 |
| 6 | 15 | 56443391 | T>C | 0 | 0 | 0 | 0 |
| 7 | 15 | 56446710 | G>C | 0 | 0 | 0 | 0 |
| 8 | 15 | 56692931 | C>G | 0 | 0 | 0 | 0 |
| 9 | 15 | 56694116 | T>G | 0 | 0 | 0 | 0 |
| 10 | 15 | 57247090 | T>C | 0 | 0 | 0 | 0 |
| 11 | 15 | 57247389 | G>C | 0 | 0.75 | 0 | 0 |
| 12 | 15 | 57298684 | A>G | 0 | 0.416666667 | 0 | 0.61333333 |
| 13 | 15 | 57320254 | T>C | 0 | 0 | 0 | 0 |
| 14 | 15 | 57321169 | A>G | 0 | 0.455 | 0 | 0 |
| 15 | 15 | 57450635 | T>C | 0 | 0 | 0 | 0.30333333 |
| 16 | 15 | 57542711 | A>G | 0 | 0.403333333 | 0 | 0 |
| 17 | 15 | 57684394 | A>G | 0 | 0.666666667 | 0 | 0 |
| 18 | 15 | 57722378 | C>T | 0 | 0.385 | 0 | 0 |
| 19 | 15 | 58319895 | A>T | 0 | 0.5 | 0 | 0 |
| 20 | 15 | 58323757 | T>C | 0 | 0 | 0 | 1 |
| 21 | 15 | 58324222 | T>C | 0 | 0.361666667 | 0 | 0 |
| 22 | 15 | 58469021 | A>G | 0 | 0 | 0.308333333 | 0 |
| 23 | 15 | 58711981 | A>G | 0 | 0.396666667 | 0 | 0 |
| 24 | 15 | 58912043 | T>C | 0 | 0 | 0 | 0 |
| 25 | 15 | 58912414 | T>C | 0 | 0 | 0 | 0.39333333 |
| 26 | 15 | 58984143 | A>G | 0 | 0 | 0 | 0.61333333 |
| 27 | 15 | 58984155 | G>A | 0 | 0.4 | 0 | 0 |
| 28 | 15 | 59015658 | T>C | 0 | 0.316666667 | 0 | 0 |
| 29 | 15 | 59069722 | T>C | 0 | 0.435 | 0 | 0 |
| 30 | 15 | 59132301 | A>G | 0 | 0.303333333 | 0 | 0 |
| 31 | 15 | 59136517 | C>T | 0 | 0.625 | 0 | 0 |
| 32 | 15 | 59176621 | G>A | 0 | 0 | 0 | 0 |
| 33 | 15 | 59285641 | A>G | 0 | 0 | 0 | 0 |
| 34 | 15 | 59405101 | A>C | 0 | 0.385 | 0 | 0 |
| 35 | 15 | 59409780 | A>G | 0 | 0.513333333 | 0 | 0 |
| 36 | 15 | 59448432 | A>G | 0 | 0.506666667 | 0 | 0 |
| 37 | 15 | 59483431 | A>G | 0 | 0 | 0 | 0.8066667 |
| 38 | 15 | 59547155 | T>G | 0 | 0 | 0 | 0 |
| 39 | 15 | 59549551 | T>C | 0 | 0.526666667 | 0 | 0 |
| 40 | 15 | 59629986 | G>A | 0 | 0 | 0 | 0 |
| 41 | 15 | 59629987 | T>C | 0 | 0 | 0 | 0 |
| 42 | 15 | 59656046 | T>C | 0 | 0.333333333 | 0 | 0 |
| 43 | 15 | 59758265 | T>C | 0 | 0 | 0 | 0.57333333 |
| 44 | 15 | 59758448 | A>T | 0 | 0.678333333 | 0.333333333 | 0.5366667 |
| 45 | 15 | 59759118 | G>A | 0 | 0.555 | 0 | 0.43 |
| 46 | 15 | 59962378 | T>C | 0 | 0.516666667 | 0 | 0 |
| 47 | 15 | 62194116 | A>G | 0 | 0.526666667 | 0 | 0 |
| 48 | 15 | 62229722 | A>G | 0 | 0 | 0 | 0.5866667 |
| 49 | 15 | 62854858 | G>C | 0 | 0.555 | 0 | 0 |
| 50 | 15 | 62887414 | A>G | 0 | 0.385 | 0 | 0.35333333 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | | | | | | | |
| 2 | 15 | 62970863 | T>C | 0 | 0.365 | 0 | 0 |
| 3 | 15 | 62995579 | G>A | 0 | 0.5 | 0 | 0 |
| 4 | 15 | 63032486 | G>C | 0 | 0 | 0 | 0 |
| 5 | 15 | 63423328 | G>A | 0 | 0 | 0 | 0.70333333 |
| 6 | 15 | 63584864 | T>C | 0 | 0 | 0 | 0.55666667 |
| 7 | 15 | 63588520 | T>A | 0 | 0.455 | 0 | 0 |
| 8 | 15 | 63858713 | T>C | 0 | 0.625 | 0 | 0 |
| 9 | 15 | 63907701 | G>T | 0 | 0.435 | 0 | 0 |
| 10 | 15 | 64028969 | G>C | 0 | 0.416666667 | 0 | 0 |
| 11 | 15 | 64059766 | G>A | 0 | 0 | 0 | 0 |
| 12 | 15 | 64061970 | G>A | 0 | 0 | 0 | 0 |
| 13 | 15 | 64082581 | A>T | 0 | 0 | 0 | 0.66666667 |
| 14 | 15 | 64249916 | C>T | 0 | 0.385 | 0.361666667 | 0.47666667 |
| 15 | 15 | 64252880 | C>T | 0 | 0 | 0 | 0.43 |
| 16 | 15 | 64319718 | G>A | 0 | 0.555 | 0 | 0 |
| 17 | 15 | 64324962 | T>C | 0 | 0 | 0 | 0 |
| 18 | 15 | 64325903 | G>C | 0 | 0 | 0 | 0.47666667 |
| 19 | 15 | 64463961 | A>C | 0 | 0 | 0 | 0 |
| 20 | 15 | 64520799 | T>C | 0 | 0 | 0 | 0 |
| 21 | 15 | 64535358 | T>A | 0 | 0 | 0.408333333 | 0.38333333 |
| 22 | 15 | 64600923 | A>G | 0 | 0.468333333 | 0 | 0.59666667 |
| 23 | 15 | 64670871 | T>G | 0 | 0 | 0 | 0.64666667 |
| 24 | 15 | 64680040 | T>C | 0 | 0 | 0 | 0 |
| 25 | 15 | 64718079 | A>G | 0 | 0.361666667 | 0 | 0 |
| 26 | 15 | 64731909 | A>G | 0 | 0.476666667 | 0 | 0 |
| 27 | 15 | 64745200 | G>A | 0 | 0 | 0 | 0.58 |
| 28 | 15 | 64773746 | C>T | 0 | 0 | 0 | 0 |
| 29 | 15 | 64793646 | A>G | 0 | 0 | 0 | 0 |
| 30 | 15 | 64808757 | G>A | 0 | 0.4 | 0 | 0 |
| 31 | 15 | 64867563 | C>T | 0 | 0.416666667 | 0 | 0 |
| 32 | 15 | 64870716 | T>A | 0 | 0 | 0 | 0 |
| 33 | 15 | 64872965 | G>C | 0 | 0 | 0 | 0 |
| 34 | 15 | 64889420 | T>G | 0 | 0 | 0 | 0 |
| 35 | 15 | 64897170 | C>A | 0 | 0.438333333 | 0 | 0 |
| 36 | 15 | 64906498 | T>C | 0 | 0.313333333 | 0 | 0 |
| 37 | 15 | 65136416 | C>T | 0 | 0.445 | 0 | 0 |
| 38 | 15 | 65424219 | C>A | 0 | 0.513333333 | 0 | 0 |
| 39 | 15 | 65473152 | A>G | 0 | 0.588333333 | 0 | 0 |
| 40 | 15 | 65645778 | C>T | 0 | 0 | 0 | 0 |
| 41 | 15 | 65755197 | G>A | 0 | 0 | 0 | 0.47666667 |
| 42 | 15 | 65762742 | T>A | 0 | 0.445 | 0 | 0 |
| 43 | 15 | 65839541 | G>A | 0 | 0.513333333 | 0 | 0 |
| 44 | 15 | 65858472 | T>C | 0 | 0.666666667 | 0 | 0 |
| 45 | 15 | 65939566 | T>A | 0 | 0.303333333 | 0.326666667 | 0.66666667 |
| 46 | 15 | 65977730 | T>C | 0 | 0.533333333 | 0 | 0 |
| 47 | 15 | 66021095 | A>G | 0 | 0.506666667 | 0 | 0 |
| 48 | 15 | 66034953 | T>C | 0 | 0.463333333 | 0 | 0 |
| 49 | 15 | 66166753 | G>A | 0 | 0.376666667 | 0 | 0 |
| 50 | 15 | 66215816 | C>T | 0 | 0.455 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 15 | 66414421 | C>T | 0 | 0.613333333 | 0 | 0 |
| 3 | 15 | 66459875 | G>C | 0 | 0.455 | 0 | 0 |
| 4 | 15 | 66640016 | A>G | 0 | 0.308333333 | 0 | 0.4266667 |
| 5 | 15 | 66759362 | G>C | 0 | 0.356666667 | 0 | 0.5733333 |
| 6 | 15 | 66776333 | A>G | 0 | 0.5 | 0 | 0 |
| 7 | 15 | 66894934 | C>T | 0 | 0.303333333 | 0 | 0 |
| 8 | 15 | 66897370 | G>A | 0 | 0 | 0 | 0.52 |
| 9 | 15 | 66899364 | T>C | 0 | 0 | 0.345 | 0 |
| 10 | 15 | 66917649 | G>C | 0 | 0.351666667 | 0 | 0 |
| 11 | 15 | 66923599 | G>A | 0 | 0 | 0 | 0 |
| 12 | 15 | 66957514 | A>G | 0 | 0 | 0.37 | 0 |
| 13 | 15 | 67053733 | T>C | 0 | 0 | 0 | 0 |
| 14 | 15 | 67057752 | G>A | 0 | 0.303333333 | 0 | 0 |
| 15 | 15 | 67216746 | C>T | 0 | 0.666666667 | 0 | 0.9866667 |
| 16 | 15 | 67366120 | G>C | 0 | 0.513333333 | 0 | 0 |
| 17 | 15 | 67658199 | T>C | 0 | 0.455 | 0 | 0 |
| 18 | 15 | 67730766 | A>C | 0 | 0 | 0 | 0 |
| 19 | 15 | 67756259 | A>C | 0 | 0.365 | 0 | 0.3433333 |
| 20 | 15 | 67839845 | A>G | 0 | 0.555 | 0 | 0 |
| 21 | 15 | 67845054 | T>C | 0 | 0 | 0 | 0.35 |
| 22 | 15 | 67857846 | A>G | 0 | 0 | 0 | 0 |
| 23 | 15 | 67859971 | A>G | 0 | 0 | 0 | 0.6666667 |
| 24 | 15 | 68077503 | A>G | 0 | 0 | 0 | 0 |
| 25 | 15 | 68494681 | C>T | 0 | 0 | 0.37 | 0 |
| 26 | 15 | 68913101 | G>T | 0 | 0.606666667 | 0 | 0 |
| 27 | 15 | 68997684 | A>G | 0 | 0.455 | 0 | 0 |
| 28 | 15 | 69017488 | T>A | 0 | 0 | 0 | 0 |
| 29 | 15 | 69275318 | G>A | 0 | 0 | 0 | 0.6666667 |
| 30 | 15 | 69313869 | A>C | 0 | 0.435 | 0 | 0 |
| 31 | 15 | 69480150 | T>C | 0 | 0 | 0.351666667 | 0 |
| 32 | 15 | 69513944 | A>G | 0 | 0 | 0 | 0.4633333 |
| 33 | 15 | 69642720 | A>G | 0 | 0.476666667 | 0 | 0 |
| 34 | 15 | 71041587 | C>T | 0 | 0.303333333 | 0 | 0 |
| 35 | 15 | 71221090 | A>G | 0 | 0.435 | 0 | 0 |
| 36 | 15 | 71260659 | T>C | 0 | 0 | 0 | 0 |
| 37 | 15 | 71263636 | T>A | 0 | 0 | 0 | 0 |
| 38 | 15 | 71287067 | A>G | 0 | 0 | 0 | 0.3233333 |
| 39 | 15 | 71322737 | C>T | 0 | 0 | 0 | 0 |
| 40 | 15 | 71434259 | G>A | 0 | 0.303333333 | 0 | 0 |
| 41 | 15 | 71434279 | T>C | 0 | 0.438333333 | 0 | 0 |
| 42 | 15 | 71559513 | C>G | 0 | 0.445 | 0 | 0 |
| 43 | 15 | 71643524 | A>G | 0 | 0.5 | 0 | 0 |
| 44 | 15 | 71661894 | G>T | 0 | 0.416666667 | 0 | 0 |
| 45 | 15 | 71662672 | G>T | 0 | 0.5 | 0 | 0 |
| 46 | 15 | 71662847 | T>C | 0 | 0 | 0 | 0.43 |
| 47 | 15 | 71663202 | G>A | 0 | 0 | 0 | 0.3933333 |
| 48 | 15 | 71862299 | T>C | 0 | 0 | 0 | 0.8766667 |
| 49 | 15 | 72150531 | A>T | 0 | 0 | 0 | 0.6833333 |
| 50 | 15 | 72153055 | T>C | 0 | 0.32 | 0 | 0 |
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|----|----|----------|-----|---|--------------|------|------------|
| 1 | | | | | | | |
| 2 | 15 | 72192513 | T>C | 0 | 0 | 0 | 0.6666667 |
| 3 | 15 | 72192638 | G>A | 0 | 0.445 | 0 | 0.8066667 |
| 4 | 15 | 72211579 | G>C | 0 | 0.445 | 0 | 0 |
| 5 | 15 | 72257043 | A>G | 0 | 0.77 | 0 | 0 |
| 6 | 15 | 72263395 | G>A | 0 | 0.5 | 0 | 0 |
| 7 | 15 | 72367562 | T>C | 0 | 0.4483333333 | 0 | 0.33333333 |
| 8 | 15 | 72399701 | T>C | 0 | 0.4 | 0 | 0 |
| 9 | 15 | 72411929 | T>A | 0 | 0 | 0 | 0 |
| 10 | 15 | 72466098 | G>C | 0 | 0.391666667 | 0 | 0.32333333 |
| 11 | 15 | 72538539 | A>G | 0 | 0 | 0 | 0 |
| 12 | 15 | 72560149 | A>G | 0 | 0.3333333333 | 0 | 0.4766667 |
| 13 | 15 | 72560178 | C>T | 0 | 0.3033333333 | 0 | 0.40333333 |
| 14 | 15 | 72577467 | C>G | 0 | 0 | 0 | 0 |
| 15 | 15 | 72577517 | T>G | 0 | 0 | 0 | 0 |
| 16 | 15 | 72585346 | C>G | 0 | 0.391666667 | 0 | 0 |
| 17 | 15 | 72691808 | A>G | 0 | 0.666666667 | 0 | 0 |
| 18 | 15 | 72694481 | G>A | 0 | 0 | 0 | 0.4266667 |
| 19 | 15 | 72694596 | T>C | 0 | 0 | 0 | 0.37 |
| 20 | 15 | 73060805 | G>C | 0 | 0.416666667 | 0 | 0 |
| 21 | 15 | 73430834 | G>A | 0 | 0 | 0.37 | 0 |
| 22 | 15 | 73502305 | T>C | 0 | 0.8333333333 | 0 | 0 |
| 23 | 15 | 73519634 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 24 | 15 | 73742050 | G>A | 0 | 0 | 0 | 0 |
| 25 | 15 | 73746030 | G>A | 0 | 0 | 0 | 0.6066667 |
| 26 | 15 | 73808553 | C>T | 0 | 0 | 0 | 0 |
| 27 | 15 | 73826848 | G>A | 0 | 0 | 0 | 0.95333333 |
| 28 | 15 | 74319702 | C>G | 0 | 0.5133333333 | 0 | 0 |
| 29 | 15 | 74719782 | G>C | 0 | 0.476666667 | 0 | 0 |
| 30 | 15 | 74724872 | T>C | 0 | 0 | 0 | 0 |
| 31 | 15 | 74752465 | C>T | 0 | 0 | 0 | 0 |
| 32 | 15 | 74752477 | A>T | 0 | 0 | 0 | 0 |
| 33 | 15 | 74912576 | A>G | 0 | 0 | 0 | 0 |
| 34 | 15 | 74914628 | C>G | 0 | 0 | 0 | 0 |
| 35 | 15 | 74963063 | G>A | 0 | 0.356666667 | 0 | 0 |
| 36 | 15 | 74986163 | G>A | 0 | 0.455 | 0 | 0 |
| 37 | 15 | 75298190 | C>T | 0 | 0 | 0 | 0.46333333 |
| 38 | 15 | 75645325 | G>A | 0 | 0 | 0 | 0.74 |
| 39 | 15 | 75649247 | G>A | 0 | 0 | 0 | 0 |
| 40 | 15 | 75761026 | G>A | 0 | 0 | 0 | 0 |
| 41 | 15 | 75761054 | G>A | 0 | 0 | 0 | 0 |
| 42 | 15 | 75783232 | T>C | 0 | 0 | 0 | 0 |
| 43 | 15 | 75825872 | A>G | 0 | 0.4483333333 | 0 | 0 |
| 44 | 15 | 75847934 | T>C | 0 | 0.391666667 | 0 | 0.31333333 |
| 45 | 15 | 75859610 | T>C | 0 | 0 | 0 | 0 |
| 46 | 15 | 75938174 | A>G | 0 | 0 | 0 | 0 |
| 47 | 15 | 76197377 | A>G | 0 | 0 | 0 | 0.42333333 |
| 48 | 15 | 76208043 | G>C | 0 | 0.521666667 | 0 | 0 |
| 49 | 15 | 76265073 | A>C | 0 | 0 | 0 | 0.34333333 |
| 50 | 15 | 76267715 | G>A | 0 | 0.32 | 0 | 0.4066667 |
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|----|----|----------|-----|---|-------------|-------|------------|
| 1 | | | | | | | |
| 2 | 15 | 76267896 | G>A | 0 | 0.416666667 | 0 | 0.66666667 |
| 3 | 15 | 76386672 | G>T | 0 | 0 | 0 | 0 |
| 4 | 15 | 76397390 | C>T | 0 | 0 | 0 | 0 |
| 5 | 15 | 76602320 | T>C | 0 | 0 | 0 | 0.80333333 |
| 6 | 15 | 76662881 | A>G | 0 | 0.333333333 | 0 | 0 |
| 7 | 15 | 76698647 | T>C | 0 | 0 | 0 | 0 |
| 8 | 15 | 76730390 | G>A | 0 | 0.37 | 0 | 0 |
| 9 | 15 | 76733348 | C>T | 0 | 0.555 | 0 | 0 |
| 10 | 15 | 76790204 | C>T | 0 | 0 | 0 | 0 |
| 11 | 15 | 76790205 | A>G | 0 | 0 | 0 | 0 |
| 12 | 15 | 76797675 | A>G | 0 | 0 | 0 | 0 |
| 13 | 15 | 76841082 | G>T | 0 | 0 | 0 | 0.69333333 |
| 14 | 15 | 76897421 | G>A | 0 | 0.351666667 | 0 | 0.39333333 |
| 15 | 15 | 77014110 | C>T | 0 | 0 | 0 | 0.49333333 |
| 16 | 15 | 77015653 | C>G | 0 | 0.416666667 | 0 | 0.59666667 |
| 17 | 15 | 77016599 | T>C | 0 | 0 | 0 | 0.31666667 |
| 18 | 15 | 77036913 | T>C | 0 | 0.416666667 | 0 | 0.30333333 |
| 19 | 15 | 77361204 | G>A | 0 | 0.5 | 0 | 0 |
| 20 | 15 | 77443572 | T>C | 0 | 0.353333333 | 0 | 0 |
| 21 | 15 | 77448029 | G>A | 0 | 0.686666667 | 0 | 0.52 |
| 22 | 15 | 77485966 | C>T | 0 | 0.486666667 | 0 | 0.50666667 |
| 23 | 15 | 77735969 | A>G | 0 | 0.313333333 | 0 | 0 |
| 24 | 15 | 77768561 | A>C | 0 | 0 | 0 | 0 |
| 25 | 15 | 78478773 | T>A | 0 | 0 | 0 | 0.61333333 |
| 26 | 15 | 78638795 | A>G | 0 | 0 | 0 | 0 |
| 27 | 15 | 78803895 | G>C | 0 | 0.463333333 | 0 | 0 |
| 28 | 15 | 78804875 | T>C | 0 | 0.333333333 | 0 | 0 |
| 29 | 15 | 78866538 | C>T | 0 | 0.463333333 | 0 | 0 |
| 30 | 15 | 78902123 | A>G | 0 | 0 | 0 | 0.83333333 |
| 31 | 15 | 78931882 | C>T | 0 | 0 | 0 | 0 |
| 32 | 15 | 78940532 | A>G | 0 | 0.5 | 0 | 0 |
| 33 | 15 | 78982526 | T>C | 0 | 0 | 0 | 0 |
| 34 | 15 | 79183087 | A>G | 0 | 0.595 | 0 | 0 |
| 35 | 15 | 79183107 | T>A | 0 | 0.555 | 0 | 0 |
| 36 | 15 | 80164284 | A>T | 0 | 0 | 0 | 0 |
| 37 | 15 | 80362088 | T>C | 0 | 0 | 0 | 0 |
| 38 | 15 | 80362099 | T>C | 0 | 0 | 0 | 0 |
| 39 | 15 | 80378645 | A>G | 0 | 0.476666667 | 0.385 | 0 |
| 40 | 15 | 80675001 | T>C | 0 | 0.648333333 | 0 | 0 |
| 41 | 15 | 80767692 | A>G | 0 | 0 | 0 | 0 |
| 42 | 15 | 80889605 | C>T | 0 | 0.5 | 0 | 0 |
| 43 | 15 | 81007401 | C>T | 0 | 0 | 0 | 0.37 |
| 44 | 15 | 81236419 | C>G | 0 | 0.416666667 | 0 | 0 |
| 45 | 15 | 81236421 | T>C | 0 | 0.416666667 | 0 | 0 |
| 46 | 15 | 81579152 | G>A | 0 | 0.37 | 0 | 0 |
| 47 | 15 | 82424627 | C>A | 0 | 0.476666667 | 0 | 0 |
| 48 | 15 | 83353736 | G>A | 0 | 0.5 | 0 | 0 |
| 49 | 15 | 83452117 | T>C | 0 | 0.58 | 0 | 0 |
| 50 | 15 | 83463688 | T>G | 0 | 0.535 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | 15 | 83537517 | A>G | 0 | 0 | 0 | 0 |
| 2 | 15 | 83548059 | A>C | 0 | 0.416666667 | 0 | 0 |
| 3 | 15 | 83575454 | A>G | 0 | 0 | 0 | 0 |
| 4 | 15 | 83661051 | C>T | 0 | 0 | 0 | 0 |
| 5 | 15 | 83694646 | C>T | 0 | 0 | 0 | 0 |
| 6 | 15 | 83699840 | T>C | 0 | 0 | 0 | 0 |
| 7 | 15 | 83700043 | C>T | 0 | 0.476666667 | 0 | 0.4066667 |
| 8 | 15 | 83700170 | T>C | 0 | 0.606666667 | 0 | 0 |
| 9 | 15 | 83724771 | T>C | 0 | 0 | 0 | 0 |
| 10 | 15 | 83728604 | C>A | 0 | 0 | 0 | 0.37 |
| 11 | 15 | 83815884 | A>G | 0 | 0 | 0.313333333 | 0 |
| 12 | 15 | 83839896 | T>C | 0 | 0.588333333 | 0 | 0 |
| 13 | 15 | 83839897 | G>A | 0 | 0.521666667 | 0 | 0 |
| 14 | 15 | 84176026 | T>C | 0 | 0.361666667 | 0 | 0 |
| 15 | 15 | 84533384 | C>T | 0 | 0.606666667 | 0.455 | 0.3333333 |
| 16 | 15 | 84534989 | A>G | 0 | 0 | 0 | 0.4533333 |
| 17 | 15 | 84560810 | G>A | 0 | 0 | 0 | 0.4433333 |
| 18 | 15 | 84561115 | A>C | 0 | 0.555 | 0 | 0 |
| 19 | 15 | 85219897 | A>G | 0 | 0.555 | 0 | 0 |
| 20 | 15 | 85232061 | T>A | 0 | 0.416666667 | 0 | 0 |
| 21 | 15 | 85237429 | C>T | 0 | 0 | 0 | 0.3933333 |
| 22 | 15 | 85474383 | C>T | 0 | 0.316666667 | 0 | 0 |
| 23 | 15 | 85555185 | C>T | 0 | 0.49 | 0 | 0 |
| 24 | 15 | 85596292 | T>C | 0 | 0.74 | 0 | 0 |
| 25 | 15 | 85596368 | A>G | 0 | 0 | 0 | 0 |
| 26 | 15 | 85598743 | T>C | 0 | 0.445 | 0 | 0 |
| 27 | 15 | 86113153 | C>A | 0 | 0.445 | 0 | 0.4 |
| 28 | 15 | 86129897 | A>C | 0 | 0 | 0 | 0.3166667 |
| 29 | 15 | 86253091 | A>G | 0 | 0 | 0 | 0.5366667 |
| 30 | 15 | 86326688 | T>C | 0 | 0 | 0 | 0.4033333 |
| 31 | 15 | 86693174 | T>C | 0 | 0 | 0.303333333 | 0 |
| 32 | 15 | 86693401 | T>A | 0 | 0 | 0.445 | 0.4166667 |
| 33 | 15 | 86728482 | G>A | 0 | 0.416666667 | 0 | 0 |
| 34 | 15 | 86728637 | A>G | 0 | 0 | 0.513333333 | 0 |
| 35 | 15 | 86809897 | C>G | 0 | 0.345 | 0 | 0 |
| 36 | 15 | 87105542 | T>C | 0 | 0.641666667 | 0.333333333 | 0 |
| 37 | 15 | 87291965 | T>C | 0 | 0.416666667 | 0 | 0.35 |
| 38 | 15 | 87294491 | T>A | 0 | 0.385 | 0 | 0 |
| 39 | 15 | 87327050 | T>C | 0 | 0 | 0 | 0 |
| 40 | 15 | 87487438 | T>C | 0 | 0 | 0 | 0.37 |
| 41 | 15 | 88498141 | A>T | 0 | 0 | 0 | 0 |
| 42 | 15 | 89190186 | G>C | 0 | 0 | 0 | 0 |
| 43 | 15 | 89427579 | C>A | 0 | 0 | 0 | 0 |
| 44 | 15 | 89443282 | A>G | 0 | 0.316666667 | 0 | 0.3133333 |
| 45 | 15 | 89695552 | T>C | 0 | 0 | 0 | 0 |
| 46 | 15 | 89816019 | A>G | 0 | 0.313333333 | 0 | 0 |
| 47 | 15 | 90027751 | A>G | 0 | 0 | 0 | 0 |
| 48 | 15 | 90159396 | A>G | 0 | 0 | 0 | 0 |
| 49 | 15 | 90261502 | T>C | 0 | 0 | 0 | 0.6533333 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 15 | 90283825 | C>T | 0 | 0.493333333 | 0 | 0 |
| 3 | 15 | 90285889 | T>C | 0 | 0.455 | 0 | 0 |
| 4 | 15 | 90354808 | C>T | 0 | 0 | 0 | 0 |
| 5 | 15 | 90383832 | A>G | 0 | 0 | 0.75 | 0 |
| 6 | 15 | 90390123 | A>G | 0 | 0.4 | 0 | 0 |
| 7 | 15 | 90551928 | G>A | 0 | 0 | 0 | 0.6066667 |
| 8 | 15 | 90775994 | C>T | 0 | 0 | 0 | 0 |
| 9 | 15 | 91088934 | A>G | 0 | 0 | 0 | 0.4433333 |
| 10 | 15 | 91164667 | A>G | 0 | 0.385 | 0 | 0.6666667 |
| 11 | 15 | 91264900 | G>A | 0 | 0 | 0.303333333 | 0.6333333 |
| 12 | 15 | 91418481 | C>T | 0 | 0.6 | 0 | 0 |
| 13 | 15 | 91456104 | T>C | 0 | 0 | 0 | 0 |
| 14 | 15 | 91465091 | G>C | 0 | 0.555 | 0 | 0.4233333 |
| 15 | 15 | 91483988 | A>C | 0 | 0 | 0 | 0 |
| 16 | 15 | 91537064 | A>G | 0 | 0.416666667 | 0 | 0 |
| 17 | 15 | 91543124 | A>C | 0 | 0 | 0 | 0 |
| 18 | 15 | 91543143 | G>C | 0 | 0 | 0 | 0 |
| 19 | 15 | 91555133 | T>C | 0 | 0.416666667 | 0 | 0 |
| 20 | 15 | 91557213 | T>C | 0 | 0 | 0 | 0 |
| 21 | 15 | 91707010 | A>T | 0 | 0 | 0 | 0 |
| 22 | 15 | 91720204 | C>T | 0 | 0 | 0 | 0 |
| 23 | 15 | 92410259 | A>G | 0 | 0 | 0 | 0 |
| 24 | 15 | 92498644 | C>T | 0 | 0.445 | 0 | 0 |
| 25 | 15 | 92707147 | A>T | 0 | 0 | 0 | 0 |
| 26 | 15 | 93030733 | T>C | 0 | 0 | 0 | 0.4 |
| 27 | 15 | 93031236 | C>G | 0 | 0.666666667 | 0 | 0 |
| 28 | 15 | 93453353 | T>C | 0 | 0.555 | 0 | 0 |
| 29 | 15 | 93468150 | T>C | 0 | 0 | 0 | 0 |
| 30 | 15 | 93509888 | T>C | 0 | 0.455 | 0 | 0 |
| 31 | 15 | 94889812 | G>C | 0 | 0 | 0 | 0 |
| 32 | 15 | 94889843 | G>C | 0 | 0 | 0 | 0 |
| 33 | 15 | 97926899 | T>A | 0 | 0 | 0 | 0 |
| 34 | 15 | 97938579 | G>A | 0 | 0.356666667 | 0 | 0 |
| 35 | 15 | 97959908 | A>T | 0 | 0 | 0 | 0 |
| 36 | 15 | 97960169 | C>G | 0 | 0.356666667 | 0 | 0 |
| 37 | 15 | 99235708 | G>A | 0 | 0.416666667 | 0 | 0.4766667 |
| 38 | 15 | 99270987 | C>T | 0 | 0.666666667 | 0 | 0 |
| 39 | 15 | 99411209 | C>T | 0 | 0.416666667 | 0 | 0 |
| 40 | 15 | 99429293 | C>T | 0 | 0 | 0 | 0.6466667 |
| 41 | 15 | 99536126 | C>T | 0 | 0 | 0 | 0 |
| 42 | 15 | 99697628 | A>G | 0 | 0 | 0 | 0.44 |
| 43 | 15 | 99730316 | G>T | 0 | 0.476666667 | 0 | 0 |
| 44 | 15 | 99763141 | G>T | 0 | 0 | 0 | 0 |
| 45 | 15 | 99771887 | T>C | 0 | 0 | 0 | 0 |
| 46 | 15 | 99771888 | A>G | 0 | 0.356666667 | 0 | 0 |
| 47 | 15 | 99802624 | C>T | 0 | 0 | 0 | 0.37 |
| 48 | 15 | 99826403 | G>T | 0 | 0.333333333 | 0 | 0 |
| 49 | 15 | 99849896 | A>G | 0 | 0 | 0 | 0.4766667 |
| 50 | 15 | 99919955 | C>T | 0 | 0 | 0 | 0 |
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| | 15 | 1.01E+08 | G>C | 0 | 0 | 0 | 0 |
| | 15 | 1.01E+08 | T>C | 0 | 0.49 | 0 | 0 |
| | 15 | 1.01E+08 | C>T | 0 | 0 | 0 | 0.37 |
| | 15 | 1.01E+08 | C>T | 0 | 0.555 | 0.521666667 | 0 |
| | 15 | 1.01E+08 | A>T | 0 | 0.758333333 | 0 | 0.5566667 |
| | 15 | 1.01E+08 | T>C | 0 | 0 | 0 | 0 |
| | 15 | 1.01E+08 | A>G | 0 | 0.333333333 | 0 | 0 |
| | 15 | 1.01E+08 | A>T | 0 | 0.333333333 | 0 | 0.5 |
| | 15 | 1.01E+08 | G>A | 0 | 0.455 | 0 | 0 |
| | 15 | 1.01E+08 | A>G | 0 | 0 | 0 | 0.35 |
| | 15 | 1.01E+08 | G>T | 0 | 0.333333333 | 0 | 0 |
| | 15 | 1.01E+08 | G>A | 0 | 0 | 0 | 0.45 |
| | 15 | 1.01E+08 | C>A | 0 | 0 | 0 | 0 |
| | 15 | 1.01E+08 | A>G | 0 | 0.463333333 | 0 | 0.7133333 |
| | 15 | 1.01E+08 | A>C | 0 | 0 | 0 | 0.4166667 |
| | 15 | 1.01E+08 | G>A | 0 | 0 | 0 | 0 |
| | 15 | 1.02E+08 | C>T | 0 | 0.445 | 0 | 0 |
| | 15 | 1.02E+08 | T>C | 0 | 0.476666667 | 0 | 0 |
| | 15 | 1.02E+08 | T>C | 0 | 0.333333333 | 0 | 0 |
| | 15 | 1.02E+08 | T>C | 0 | 0 | 0 | 0.3433333 |
| | 15 | 1.02E+08 | G>A | 0 | 0.555 | 0 | 0 |
| | 16 | 153851 | A>G | 0 | 0 | 0 | 0 |
| | 16 | 186427 | G>A | 0 | 0.376666667 | 0 | 0 |
| | 16 | 274648 | A>G | 0 | 0 | 0.375 | 0 |
| | 16 | 290700 | A>C | 0 | 0.606666667 | 0 | 0 |
| | 16 | 294210 | A>G | 0 | 0 | 0 | 0 |
| | 16 | 303585 | A>T | 0 | 0 | 0 | 0.6333333 |
| | 16 | 304966 | C>T | 0 | 0.49 | 0 | 0 |
| | 16 | 305122 | A>G | 0 | 0.58 | 0 | 0 |
| | 16 | 349434 | C>T | 0 | 0.303333333 | 0 | 0 |
| | 16 | 354720 | G>A | 0 | 0.416666667 | 0 | 0 |
| | 16 | 510043 | G>A | 0 | 0.396666667 | 0 | 0 |
| | 16 | 567322 | T>A | 0 | 0 | 0 | 0.6 |
| | 16 | 654842 | T>A | 0 | 0.445 | 0 | 0 |
| | 16 | 683675 | T>C | 0 | 0.455 | 0 | 0 |
| | 16 | 733689 | G>C | 0 | 0 | 0 | 0 |
| | 16 | 782132 | C>T | 0 | 0 | 0 | 0 |
| | 16 | 826376 | C>T | 0 | 0.606666667 | 0 | 0 |
| | 16 | 994775 | T>C | 0 | 0 | 0 | 0 |
| | 16 | 1008827 | G>C | 0 | 0 | 0 | 0 |
| | 16 | 1462410 | G>A | 0 | 0.391666667 | 0 | 0 |
| | 16 | 1606922 | C>T | 0 | 0.385 | 0 | 0 |
| | 16 | 1606923 | A>G | 0 | 0.385 | 0 | 0 |
| | 16 | 1690324 | C>T | 0 | 0.5 | 0 | 0 |
| | 16 | 1698874 | G>A | 0 | 0 | 0 | 0.43 |
| | 16 | 1712548 | A>G | 0 | 0 | 0 | 0 |
| | 16 | 1745172 | C>T | 0 | 0 | 0 | 0 |
| | 16 | 1893493 | G>A | 0 | 0.416666667 | 0 | 0 |
| | 16 | 1998190 | A>G | 0 | 0.588333333 | 0 | 0 |

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|----|----|----------|-----|---|--------------|--------------|------------|
| 1 | | | | | | | |
| 2 | 16 | 2110608 | G>A | 0 | 0 | 0 | 0 |
| 3 | 16 | 2351544 | A>C | 0 | 0 | 0 | 0 |
| 4 | 16 | 2360387 | G>A | 0 | 0.5133333333 | 0 | 0 |
| 5 | 16 | 2482059 | T>C | 0 | 0 | 0 | 0 |
| 6 | 16 | 3001035 | G>A | 0 | 0 | 0 | 0 |
| 7 | 16 | 3088894 | C>T | 0 | 1 | 0 | 0 |
| 8 | 16 | 3435728 | C>A | 0 | 0 | 0 | 0 |
| 9 | 16 | 3619099 | G>A | 0 | 0 | 0 | 0.38 |
| 10 | 16 | 3749455 | G>T | 0 | 0 | 0 | 0.44333333 |
| 11 | 16 | 3868589 | G>T | 0 | 0.4383333333 | 0 | 0.49333333 |
| 12 | 16 | 4069987 | A>G | 0 | 0 | 0 | 0 |
| 13 | 16 | 4070589 | G>A | 0 | 0.37 | 0 | 0 |
| 14 | 16 | 4405731 | C>A | 0 | 0 | 0 | 0 |
| 15 | 16 | 4422732 | C>T | 0 | 0 | 0 | 0 |
| 16 | 16 | 4548264 | T>C | 0 | 0 | 0.4166666667 | 0 |
| 17 | 16 | 4548265 | G>A | 0 | 0 | 0.3916666667 | 0 |
| 18 | 16 | 4683584 | C>T | 0 | 0.3133333333 | 0 | 0 |
| 19 | 16 | 4759892 | G>A | 0 | 0 | 0 | 0 |
| 20 | 16 | 4759894 | G>C | 0 | 0 | 0 | 0 |
| 21 | 16 | 4858016 | T>C | 0 | 0 | 0 | 0 |
| 22 | 16 | 4864671 | C>T | 0 | 0 | 0 | 0 |
| 23 | 16 | 4879881 | T>C | 0 | 0 | 0 | 0.36 |
| 24 | 16 | 4904619 | C>A | 0 | 0 | 0 | 0 |
| 25 | 16 | 4939537 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 26 | 16 | 4971560 | T>C | 0 | 0 | 0 | 0 |
| 27 | 16 | 5113965 | C>T | 0 | 0.5333333333 | 0 | 0 |
| 28 | 16 | 7596157 | T>C | 0 | 0.5766666667 | 0 | 0 |
| 29 | 16 | 7707534 | T>C | 0 | 0 | 0 | 0 |
| 30 | 16 | 8853639 | A>G | 0 | 0 | 0 | 0.53333333 |
| 31 | 16 | 8897738 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 32 | 16 | 8949771 | A>G | 0 | 0.695 | 0 | 0 |
| 33 | 16 | 9185879 | G>C | 0 | 0 | 0 | 0 |
| 34 | 16 | 9200071 | C>G | 0 | 0 | 0 | 0.74 |
| 35 | 16 | 9878926 | G>C | 0 | 0 | 0 | 0 |
| 36 | 16 | 9903045 | A>G | 0 | 0.3566666667 | 0 | 0.43 |
| 37 | 16 | 10251935 | C>G | 0 | 0.8333333333 | 0 | 0.60666667 |
| 38 | 16 | 10525906 | T>G | 0 | 0 | 0 | 0 |
| 39 | 16 | 10545220 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 40 | 16 | 10664853 | T>C | 0 | 0 | 0 | 0 |
| 41 | 16 | 10739602 | G>T | 0 | 0.455 | 0 | 0.64 |
| 42 | 16 | 10772224 | A>G | 0 | 0.3333333333 | 0 | 0.35 |
| 43 | 16 | 10778107 | C>T | 0 | 0.5 | 0 | 0 |
| 44 | 16 | 10871929 | A>G | 0 | 0 | 0 | 0.53333333 |
| 45 | 16 | 11067624 | C>T | 0 | 0.3566666667 | 0 | 0 |
| 46 | 16 | 11113420 | A>G | 0 | 0.345 | 0 | 0 |
| 47 | 16 | 11115641 | G>C | 0 | 0.58 | 0 | 0 |
| 48 | 16 | 11263349 | G>A | 0 | 0.3066666667 | 0 | 0 |
| 49 | 16 | 11268114 | C>A | 0 | 0 | 0 | 0 |
| 50 | 16 | 11268130 | T>A | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 16 | 11657225 | C>T | 0 | 0 | 0 | 0 |
| 3 | 16 | 11661190 | T>C | 0 | 0.365 | 0 | 0 |
| 4 | 16 | 11999978 | G>A | 0 | 0.356666667 | 0 | 0 |
| 5 | 16 | 12059705 | A>G | 0 | 0 | 0.416666667 | 0 |
| 6 | 16 | 12149920 | A>G | 0 | 0.606666667 | 0 | 0.43333333 |
| 7 | 16 | 12167401 | A>G | 0 | 0.476666667 | 0 | 0 |
| 8 | 16 | 12171683 | C>G | 0 | 0 | 0 | 0.83333333 |
| 9 | 16 | 12195999 | G>A | 0 | 0.758333333 | 0 | 0 |
| 10 | 16 | 12196439 | C>T | 0 | 0 | 0.396666667 | 0.39333333 |
| 11 | 16 | 12197397 | C>T | 0 | 0.333333333 | 0 | 0 |
| 12 | 16 | 12325875 | A>T | 0 | 0.5 | 0 | 0 |
| 13 | 16 | 12329105 | A>T | 0 | 1 | 0 | 0 |
| 14 | 16 | 12335907 | C>A | 0 | 0 | 0 | 0 |
| 15 | 16 | 12377365 | T>C | 0 | 0 | 0 | 0 |
| 16 | 16 | 12480736 | G>C | 0 | 0 | 0 | 0.51333333 |
| 17 | 16 | 12502489 | T>C | 0 | 0.333333333 | 0 | 0.53 |
| 18 | 16 | 12583898 | A>G | 0 | 0 | 0 | 0.53666667 |
| 19 | 16 | 12636345 | C>T | 0 | 0 | 0 | 0 |
| 20 | 16 | 12759535 | A>C | 0 | 0 | 0.351666667 | 0 |
| 21 | 16 | 12785235 | T>C | 0 | 0 | 0 | 0.66666667 |
| 22 | 16 | 12849947 | T>C | 0 | 0.416666667 | 0 | 0 |
| 23 | 16 | 12850513 | G>A | 0 | 0 | 0 | 0 |
| 24 | 16 | 13147017 | G>A | 0 | 0 | 0 | 0 |
| 25 | 16 | 14027303 | T>C | 0 | 0 | 0.313333333 | 0 |
| 26 | 16 | 14206957 | A>G | 0 | 0 | 0 | 0 |
| 27 | 16 | 14562983 | G>C | 0 | 0.308333333 | 0 | 0 |
| 28 | 16 | 14635372 | A>G | 0 | 0 | 0 | 0.47666667 |
| 29 | 16 | 14685718 | C>A | 0 | 0.303333333 | 0 | 0 |
| 30 | 16 | 14718764 | C>T | 0 | 0.833333333 | 0 | 0.61333333 |
| 31 | 16 | 14755540 | C>T | 0 | 0.416666667 | 0 | 0 |
| 32 | 16 | 15541854 | G>C | 0 | 0.538333333 | 0 | 0 |
| 33 | 16 | 15641456 | G>C | 0 | 0 | 0 | 0.91 |
| 34 | 16 | 15725514 | G>A | 0 | 0.5 | 0 | 0 |
| 35 | 16 | 15742348 | A>G | 0 | 0 | 0 | 0.54 |
| 36 | 16 | 15756327 | G>A | 0 | 0 | 0 | 0.33333333 |
| 37 | 16 | 15770325 | C>T | 0 | 0.316666667 | 0 | 0 |
| 38 | 16 | 15770326 | T>C | 0 | 0.316666667 | 0 | 0 |
| 39 | 16 | 15859192 | T>C | 0 | 0 | 0 | 0 |
| 40 | 16 | 15867395 | A>G | 0 | 0.32 | 0 | 0 |
| 41 | 16 | 15887950 | G>A | 0 | 0 | 0 | 0 |
| 42 | 16 | 15903742 | A>G | 0 | 0.43 | 0 | 0 |
| 43 | 16 | 15923742 | G>A | 0 | 0 | 0 | 0.5 |
| 44 | 16 | 15933287 | C>T | 0 | 0.351666667 | 0 | 0 |
| 45 | 16 | 16051031 | A>G | 0 | 0.455 | 0 | 0 |
| 46 | 16 | 16163960 | T>C | 0 | 0.303333333 | 0 | 0 |
| 47 | 16 | 16176643 | T>C | 0 | 0.606666667 | 0 | 0 |
| 48 | 16 | 16210674 | G>C | 0 | 0 | 0 | 0.66666667 |
| 49 | 16 | 16268575 | T>C | 0 | 0 | 0 | 0.89 |
| 50 | 16 | 17204815 | G>A | 0 | 0 | 0 | 0.52333333 |
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| 1 | | | | | | | |
| 2 | 16 | 17251741 | A>G | 0 | 0 | 0 | 0.7066667 |
| 3 | 16 | 17387458 | T>C | 0 | 0 | 0 | 0.8333333 |
| 4 | 16 | 17443983 | G>A | 0 | 0 | 0 | 0.4033333 |
| 5 | 16 | 18820748 | G>A | 0 | 0 | 0 | 0 |
| 6 | 16 | 18820788 | T>A | 0 | 0 | 0 | 0 |
| 7 | 16 | 19057143 | A>C | 0 | 0 | 0 | 0 |
| 8 | 16 | 19086798 | G>A | 0 | 0 | 0 | 0.4866667 |
| 9 | 16 | 19261998 | C>A | 0 | 0 | 0 | 0 |
| 10 | 16 | 19472800 | A>G | 0 | 0 | 0 | 0 |
| 11 | 16 | 19481774 | A>G | 0 | 0.466666667 | 0 | 0.5333333 |
| 12 | 16 | 19736135 | C>T | 0 | 0.32 | 0 | 0 |
| 13 | 16 | 19810715 | T>C | 0 | 0 | 0 | 0 |
| 14 | 16 | 19885237 | G>A | 0 | 0 | 0 | 0 |
| 15 | 16 | 20354218 | G>A | 0 | 0.313333333 | 0 | 0 |
| 16 | 16 | 20641149 | G>A | 0 | 0 | 0 | 0.3133333 |
| 17 | 16 | 20664354 | A>G | 0 | 0 | 0 | 0.5566667 |
| 18 | 16 | 20801264 | A>G | 0 | 0.506666667 | 0 | 0 |
| 19 | 16 | 20832074 | T>C | 0 | 0.4 | 0 | 0 |
| 20 | 16 | 20893258 | A>G | 0 | 0 | 0 | 0 |
| 21 | 16 | 20965817 | A>G | 0 | 0 | 0 | 0 |
| 22 | 16 | 21003897 | C>T | 0 | 0.4 | 0 | 0 |
| 23 | 16 | 21004425 | C>T | 0 | 0.346666667 | 0 | 0 |
| 24 | 16 | 21070878 | T>C | 0 | 0 | 0 | 0 |
| 25 | 16 | 21076750 | A>G | 0 | 0.555 | 0 | 0 |
| 26 | 16 | 21077429 | A>G | 0 | 0.535 | 0 | 0 |
| 27 | 16 | 21146232 | A>C | 0 | 0.5 | 0 | 0.4766667 |
| 28 | 16 | 21152338 | A>T | 0 | 0 | 0 | 0 |
| 29 | 16 | 21219475 | C>T | 0 | 0.5 | 0 | 0 |
| 30 | 16 | 21301727 | A>G | 0 | 0 | 0 | 0.46 |
| 31 | 16 | 21635882 | T>C | 0 | 0.416666667 | 0 | 0 |
| 32 | 16 | 21714082 | T>C | 0 | 0 | 0 | 0 |
| 33 | 16 | 22134991 | G>A | 0 | 0 | 0 | 0 |
| 34 | 16 | 22150545 | C>G | 0 | 0.455 | 0 | 0 |
| 35 | 16 | 22157407 | C>T | 0 | 0.448333333 | 0 | 0 |
| 36 | 16 | 22273082 | A>T | 0 | 0 | 0 | 0 |
| 37 | 16 | 22323977 | G>A | 0 | 0.32 | 0 | 0 |
| 38 | 16 | 22899890 | T>G | 0 | 0 | 0 | 0.5566667 |
| 39 | 16 | 23106775 | C>T | 0 | 0 | 0 | 0.37 |
| 40 | 16 | 23124114 | T>C | 0 | 0 | 0 | 0.3833333 |
| 41 | 16 | 23124115 | T>C | 0 | 0 | 0 | 0.3833333 |
| 42 | 16 | 23135072 | A>G | 0 | 0.555 | 0 | 0 |
| 43 | 16 | 23226553 | G>T | 0 | 0 | 0 | 0 |
| 44 | 16 | 23412178 | A>C | 0 | 0.351666667 | 0 | 0.6266667 |
| 45 | 16 | 23449165 | G>T | 0 | 0 | 0 | 0.3033333 |
| 46 | 16 | 23481285 | C>T | 0 | 0.5 | 0 | 0 |
| 47 | 16 | 23596921 | T>G | 0 | 0 | 0 | 0.3933333 |
| 48 | 16 | 23623765 | A>C | 0 | 0 | 0 | 0.38 |
| 49 | 16 | 23701001 | A>T | 0 | 0 | 0 | 0 |
| 50 | 16 | 23768630 | G>C | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 16 | 23856900 | G>A | 0 | 0.396666667 | 0 | 0 |
| 3 | 16 | 23928688 | A>G | 0 | 0 | 0 | 0.58 |
| 4 | 16 | 24039629 | T>C | 0 | 0.435 | 0 | 0 |
| 5 | 16 | 24318491 | G>A | 0 | 0.391666667 | 0 | 0 |
| 6 | 16 | 24346648 | T>G | 0 | 0.395 | 0 | 0 |
| 7 | 16 | 24571687 | C>A | 0 | 0 | 0 | 0.43 |
| 8 | 16 | 24815977 | C>T | 0 | 0 | 0 | 0 |
| 9 | 16 | 24961910 | G>C | 0 | 0.37 | 0 | 0.38 |
| 10 | 16 | 24961962 | T>C | 0 | 0.58 | 0 | 0.3833333 |
| 11 | 16 | 24985657 | T>C | 0 | 0 | 0 | 0.34 |
| 12 | 16 | 25165067 | G>A | 0 | 0.315 | 0 | 0 |
| 13 | 16 | 25188351 | T>A | 0 | 0 | 0 | 0 |
| 14 | 16 | 25257022 | A>C | 0 | 0 | 0 | 0 |
| 15 | 16 | 25772008 | A>G | 0 | 0 | 0 | 0.5333333 |
| 16 | 16 | 25817296 | C>T | 0 | 0 | 0 | 0.5133333 |
| 17 | 16 | 25874671 | A>G | 0 | 0.555 | 0 | 0.3333333 |
| 18 | 16 | 25877730 | A>T | 0 | 0 | 0 | 0 |
| 19 | 16 | 25953111 | T>C | 0 | 0 | 0 | 0 |
| 20 | 16 | 26106317 | A>C | 0 | 0.5 | 0 | 0 |
| 21 | 16 | 27216099 | C>A | 0 | 0.466666667 | 0 | 0 |
| 22 | 16 | 27252278 | T>C | 0 | 0.445 | 0 | 0 |
| 23 | 16 | 27255002 | C>T | 0 | 0 | 0 | 0 |
| 24 | 16 | 27526503 | T>C | 0 | 0 | 0.345 | 0 |
| 25 | 16 | 27564190 | C>T | 0 | 0 | 0 | 0 |
| 26 | 16 | 27564212 | T>A | 0 | 0 | 0 | 0 |
| 27 | 16 | 27573555 | A>G | 0 | 0.313333333 | 0 | 0 |
| 28 | 16 | 27615826 | A>G | 0 | 0 | 0 | 0 |
| 29 | 16 | 27682462 | T>C | 0 | 0 | 0 | 0 |
| 30 | 16 | 27683151 | T>C | 0 | 0 | 0 | 0.45 |
| 31 | 16 | 27719624 | G>A | 0 | 0.385 | 0 | 0 |
| 32 | 16 | 27900127 | T>C | 0 | 0 | 0 | 0.4766667 |
| 33 | 16 | 27900128 | T>A | 0 | 0 | 0 | 0.4766667 |
| 34 | 16 | 28019667 | T>C | 0 | 0.455 | 0 | 0.3966667 |
| 35 | 16 | 28127618 | A>T | 0 | 0.5 | 0 | 0 |
| 36 | 16 | 28328226 | T>A | 0 | 0 | 0 | 0 |
| 37 | 16 | 28334762 | C>T | 0 | 0 | 0 | 0 |
| 38 | 16 | 28334782 | C>T | 0 | 0 | 0 | 0 |
| 39 | 16 | 28494230 | C>G | 0 | 0 | 0 | 0.3033333 |
| 40 | 16 | 28863296 | A>G | 0 | 0.356666667 | 0 | 0 |
| 41 | 16 | 28873756 | G>T | 0 | 0 | 0 | 0.5133333 |
| 42 | 16 | 28964320 | T>G | 0 | 0.333333333 | 0 | 0 |
| 43 | 16 | 29704671 | T>G | 0 | 0 | 0 | 0.7066667 |
| 44 | 16 | 29704857 | A>G | 0 | 0 | 0 | 0.4033333 |
| 45 | 16 | 29821378 | G>T | 0 | 0 | 0 | 0 |
| 46 | 16 | 29841103 | A>G | 0 | 0.606666667 | 0 | 0 |
| 47 | 16 | 29971088 | A>G | 0 | 0.513333333 | 0 | 0 |
| 48 | 16 | 29981867 | A>G | 0 | 0 | 0 | 0.3433333 |
| 49 | 16 | 30073428 | A>G | 0 | 0 | 0 | 0 |
| 50 | 16 | 30426850 | T>C | 0 | 0.595 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 16 | 30502606 | C>G | 0 | 0.356666667 | 0 | 0 |
| 3 | 16 | 30506448 | G>C | 0 | 0.493333333 | 0 | 0.36333333 |
| 4 | 16 | 30506743 | A>G | 0 | 0.403333333 | 0 | 0.54 |
| 5 | 16 | 30527771 | A>G | 0 | 0 | 0 | 0.63333333 |
| 6 | 16 | 30666313 | G>A | 0 | 0 | 0 | 0 |
| 7 | 16 | 30735522 | C>T | 0 | 0 | 0 | 0 |
| 8 | 16 | 30762547 | A>T | 0 | 0 | 0 | 0 |
| 9 | 16 | 31225718 | C>T | 0 | 0.606666667 | 0 | 0 |
| 10 | 16 | 31292170 | C>T | 0 | 0 | 0 | 0.74 |
| 11 | 16 | 31292299 | C>T | 0 | 0 | 0 | 0 |
| 12 | 16 | 31322866 | T>C | 0 | 0 | 0 | 0 |
| 13 | 16 | 31381543 | T>C | 0 | 0 | 0 | 0.38333333 |
| 14 | 16 | 31910805 | T>C | 0 | 0 | 0 | 0 |
| 15 | 16 | 46623702 | G>T | 0 | 0 | 0 | 0.37 |
| 16 | 16 | 46649385 | G>C | 0 | 0 | 0 | 0 |
| 17 | 16 | 46651832 | A>G | 0 | 0.323333333 | 0 | 0.33333333 |
| 18 | 16 | 46929185 | A>C | 0 | 0.333333333 | 0 | 0.74 |
| 19 | 16 | 46948197 | T>C | 0 | 0 | 0 | 0 |
| 20 | 16 | 46998170 | A>G | 0 | 0 | 0 | 0.58 |
| 21 | 16 | 47122283 | T>C | 0 | 0.45 | 0 | 0.5866667 |
| 22 | 16 | 47128794 | G>T | 0 | 0.333333333 | 0 | 0 |
| 23 | 16 | 47133885 | T>C | 0 | 0.356666667 | 0 | 0 |
| 24 | 16 | 47136279 | G>C | 0 | 0.513333333 | 0.356666667 | 0.71333333 |
| 25 | 16 | 47218111 | T>C | 0 | 0 | 0 | 0.4766667 |
| 26 | 16 | 47283317 | G>A | 0 | 0.715 | 0 | 0 |
| 27 | 16 | 47358445 | G>A | 0 | 0.356666667 | 0 | 0 |
| 28 | 16 | 47455960 | A>G | 0 | 0 | 0 | 0 |
| 29 | 16 | 47523169 | A>G | 0 | 0.416666667 | 0 | 0 |
| 30 | 16 | 47578036 | C>G | 0 | 0.455 | 0 | 0 |
| 31 | 16 | 47664254 | A>G | 0 | 0 | 0 | 0 |
| 32 | 16 | 47681212 | A>T | 0 | 0.378333333 | 0 | 0 |
| 33 | 16 | 47714691 | A>T | 0 | 0 | 0 | 0 |
| 34 | 16 | 48216487 | G>A | 0 | 0.513333333 | 0 | 0 |
| 35 | 16 | 48374625 | G>A | 0 | 0.715 | 0 | 0 |
| 36 | 16 | 48619731 | A>T | 0 | 0.701666667 | 0 | 0 |
| 37 | 16 | 49525241 | A>G | 0 | 0 | 0 | 0 |
| 38 | 16 | 49732513 | T>C | 0 | 0 | 0 | 0 |
| 39 | 16 | 49732613 | G>T | 0 | 0 | 0 | 0 |
| 40 | 16 | 49732656 | A>C | 0 | 0 | 0 | 0 |
| 41 | 16 | 49736281 | T>C | 0 | 0 | 0 | 0 |
| 42 | 16 | 49779606 | G>A | 0 | 0 | 0 | 0 |
| 43 | 16 | 49805400 | G>A | 0 | 0 | 0 | 0 |
| 44 | 16 | 50067942 | T>A | 0 | 0.308333333 | 0 | 0 |
| 45 | 16 | 50130667 | A>G | 0 | 0.303333333 | 0 | 0 |
| 46 | 16 | 50617390 | G>T | 0 | 0.513333333 | 0 | 0.6266667 |
| 47 | 16 | 50732952 | T>C | 0 | 0.833333333 | 0 | 0 |
| 48 | 16 | 52532820 | T>C | 0 | 0 | 0 | 0 |
| 49 | 16 | 53153547 | G>C | 0 | 0 | 0 | 0.57 |
| 50 | 16 | 53154417 | A>C | 0 | 0.388333333 | 0 | 0 |
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|----|----|----------|-----|---|-------------|---|-----------|
| 1 | | | | | | | |
| 2 | 16 | 53179314 | C>T | 0 | 0 | 0 | 0.3933333 |
| 3 | 16 | 53198751 | G>A | 0 | 0 | 0 | 0 |
| 4 | 16 | 53205287 | C>T | 0 | 0.385 | 0 | 0 |
| 5 | 16 | 53231835 | A>G | 0 | 0 | 0 | 0.58 |
| 6 | 16 | 53341896 | A>G | 0 | 0 | 0 | 0 |
| 7 | 16 | 53341947 | T>C | 0 | 0 | 0 | 0 |
| 8 | 16 | 53356189 | C>G | 0 | 0.333333333 | 0 | 0 |
| 9 | 16 | 53488348 | T>C | 0 | 0.416666667 | 0 | 0 |
| 10 | 16 | 53534370 | A>G | 0 | 0.513333333 | 0 | 0 |
| 11 | 16 | 53710781 | A>G | 0 | 0.32 | 0 | 0 |
| 12 | 16 | 53710783 | A>G | 0 | 0.32 | 0 | 0 |
| 13 | 16 | 53882270 | A>G | 0 | 0 | 0 | 0 |
| 14 | 16 | 54153784 | A>G | 0 | 0 | 0 | 0 |
| 15 | 16 | 56418940 | T>C | 0 | 0 | 0 | 0.4266667 |
| 16 | 16 | 56804763 | G>C | 0 | 0.513333333 | 0 | 0.31 |
| 17 | 16 | 56916637 | T>C | 0 | 0.378333333 | 0 | 0 |
| 18 | 16 | 57129657 | A>G | 0 | 0.361666667 | 0 | 0 |
| 19 | 16 | 57208004 | A>G | 0 | 0 | 0 | 0 |
| 20 | 16 | 57482604 | T>C | 0 | 0.666666667 | 0 | 0 |
| 21 | 16 | 57779349 | T>C | 0 | 0 | 0 | 0.8 |
| 22 | 16 | 57965279 | A>G | 0 | 0.445 | 0 | 0 |
| 23 | 16 | 58561954 | T>C | 0 | 0.351666667 | 0 | 0 |
| 24 | 16 | 58610295 | A>G | 0 | 0.333333333 | 0 | 0 |
| 25 | 16 | 58656563 | G>C | 0 | 0 | 0 | 0 |
| 26 | 16 | 58758568 | T>C | 0 | 0 | 0 | 0 |
| 27 | 16 | 58758569 | G>T | 0 | 0 | 0 | 0 |
| 28 | 16 | 61933094 | T>C | 0 | 0.513333333 | 0 | 0.3233333 |
| 29 | 16 | 62039428 | A>T | 0 | 0 | 0 | 0 |
| 30 | 16 | 65080739 | G>A | 0 | 0 | 0 | 0 |
| 31 | 16 | 66676342 | T>C | 0 | 0.625 | 0 | 0 |
| 32 | 16 | 66676354 | C>T | 0 | 0.37 | 0 | 0 |
| 33 | 16 | 66726263 | C>G | 0 | 0.455 | 0 | 0.45 |
| 34 | 16 | 66823820 | T>G | 0 | 0.445 | 0 | 0 |
| 35 | 16 | 66918750 | A>G | 0 | 0 | 0 | 0 |
| 36 | 16 | 67027522 | T>C | 0 | 0.333333333 | 0 | 0 |
| 37 | 16 | 67076814 | C>T | 0 | 0 | 0 | 0.3233333 |
| 38 | 16 | 67090797 | A>C | 0 | 0.463333333 | 0 | 0 |
| 39 | 16 | 67370886 | T>G | 0 | 0.385 | 0 | 0 |
| 40 | 16 | 67502995 | A>G | 0 | 0 | 0 | 0 |
| 41 | 16 | 67617377 | G>T | 0 | 0 | 0 | 0 |
| 42 | 16 | 67619090 | C>T | 0 | 0 | 0 | 0.3033333 |
| 43 | 16 | 67619188 | T>G | 0 | 0.333333333 | 0 | 0 |
| 44 | 16 | 67624609 | T>C | 0 | 0.313333333 | 0 | 0.7133333 |
| 45 | 16 | 67647476 | T>A | 0 | 0 | 0 | 0 |
| 46 | 16 | 67648554 | T>C | 0 | 0 | 0 | 0.6166667 |
| 47 | 16 | 67671363 | G>A | 0 | 0.416666667 | 0 | 0.43 |
| 48 | 16 | 67689265 | A>G | 0 | 0.313333333 | 0 | 0 |
| 49 | 16 | 67734707 | G>A | 0 | 0.588333333 | 0 | 0 |
| 50 | 16 | 67772988 | G>A | 0 | 0 | 0 | 0.44 |
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| 1 | | | | | | | |
| 2 | 16 | 67948577 | A>G | 0 | 0 | 0 | 0.49 |
| 3 | 16 | 68065122 | A>G | 0 | 0 | 0 | 0.3033333 |
| 4 | 16 | 68086940 | G>A | 0 | 0.77 | 0 | 0 |
| 5 | 16 | 68142141 | C>T | 0 | 0.445 | 0 | 0.6666667 |
| 6 | 16 | 68154631 | A>G | 0 | 0.351666667 | 0 | 0 |
| 7 | 16 | 68157707 | G>A | 0 | 0.385 | 0 | 0 |
| 8 | 16 | 68257613 | G>C | 0 | 0.401666667 | 0 | 0 |
| 9 | 16 | 68267994 | T>C | 0 | 0 | 0 | 0 |
| 10 | 16 | 68313614 | A>G | 0 | 0 | 0 | 0.4766667 |
| 11 | 16 | 68322998 | C>T | 0 | 0 | 0 | 0 |
| 12 | 16 | 68370758 | T>C | 0 | 0.513333333 | 0 | 0 |
| 13 | 16 | 68687775 | A>G | 0 | 0 | 0 | 0.3333333 |
| 14 | 16 | 68688844 | T>C | 0 | 0 | 0 | 0 |
| 15 | 16 | 68812174 | T>C | 0 | 0 | 0 | 0.52 |
| 16 | 16 | 68879634 | G>T | 0 | 0.49 | 0 | 0 |
| 17 | 16 | 68921533 | G>A | 0 | 0 | 0 | 0.3033333 |
| 18 | 16 | 68922820 | G>A | 0 | 0.435 | 0 | 0 |
| 19 | 16 | 68955311 | C>T | 0 | 0.521666667 | 0 | 0.57 |
| 20 | 16 | 68988041 | C>T | 0 | 0.513333333 | 0 | 0 |
| 21 | 16 | 69002820 | G>A | 0 | 0 | 0 | 0.34 |
| 22 | 16 | 69004313 | T>G | 0 | 0.37 | 0 | 0 |
| 23 | 16 | 69025364 | G>C | 0 | 0 | 0 | 0 |
| 24 | 16 | 69104273 | C>T | 0 | 0.588333333 | 0 | 0 |
| 25 | 16 | 69186224 | C>T | 0 | 0.606666667 | 0 | 0 |
| 26 | 16 | 69223486 | G>A | 0 | 0 | 0 | 0 |
| 27 | 16 | 69263677 | A>G | 0 | 0 | 0 | 0.4033333 |
| 28 | 16 | 69329342 | A>G | 0 | 0 | 0 | 0.5566667 |
| 29 | 16 | 69347144 | G>T | 0 | 0.416666667 | 0 | 0 |
| 30 | 16 | 69622123 | A>G | 0 | 0.376666667 | 0 | 0 |
| 31 | 16 | 69676940 | A>G | 0 | 0 | 0 | 0.6466667 |
| 32 | 16 | 69702707 | A>G | 0 | 0 | 0 | 0 |
| 33 | 16 | 69717764 | A>G | 0 | 0.43 | 0 | 0 |
| 34 | 16 | 69727194 | A>C | 0 | 0 | 0 | 0 |
| 35 | 16 | 69727273 | C>A | 0 | 0 | 0 | 0 |
| 36 | 16 | 69727605 | A>G | 0 | 0 | 0 | 0 |
| 37 | 16 | 69911797 | G>A | 0 | 0 | 0 | 0 |
| 38 | 16 | 69922877 | G>A | 0 | 0 | 0 | 0.37 |
| 39 | 16 | 70342359 | C>T | 0 | 0 | 0 | 0.5133333 |
| 40 | 16 | 70396744 | G>A | 0 | 0 | 0 | 0.8333333 |
| 41 | 16 | 70420049 | A>G | 0 | 0 | 0 | 0.3233333 |
| 42 | 16 | 70431429 | T>C | 0 | 0 | 0 | 0 |
| 43 | 16 | 70532428 | T>A | 0 | 0.416666667 | 0 | 0 |
| 44 | 16 | 70539700 | T>C | 0 | 0 | 0 | 0 |
| 45 | 16 | 70556004 | A>G | 0 | 0.833333333 | 0 | 0 |
| 46 | 16 | 70568676 | G>A | 0 | 0.315 | 0 | 0 |
| 47 | 16 | 70618194 | G>A | 0 | 0.416666667 | 0 | 0 |
| 48 | 16 | 70629722 | T>C | 0 | 0.333333333 | 0 | 0 |
| 49 | 16 | 70629723 | G>T | 0 | 0.333333333 | 0 | 0 |
| 50 | 16 | 70645014 | C>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 16 | 70645016 | A>G | 0 | 0 | 0 | 0 |
| 3 | 16 | 70662993 | T>G | 0 | 0 | 0 | 0 |
| 4 | 16 | 70689739 | G>A | 0 | 0.74 | 0 | 0.5566667 |
| 5 | 16 | 70703994 | C>T | 0 | 0.32 | 0 | 0 |
| 6 | 16 | 70703995 | A>G | 0 | 0.32 | 0 | 0 |
| 7 | 16 | 70767899 | C>G | 0 | 0 | 0 | 0 |
| 8 | 16 | 70793374 | G>A | 0 | 0 | 0 | 0 |
| 9 | 16 | 71769304 | A>T | 0 | 0.416666667 | 0 | 0 |
| 10 | 16 | 71769383 | A>G | 0 | 0 | 0 | 0.3266667 |
| 11 | 16 | 71789140 | A>C | 0 | 0.303333333 | 0 | 0 |
| 12 | 16 | 71832139 | T>G | 0 | 0.416666667 | 0 | 0 |
| 13 | 16 | 72132947 | G>A | 0 | 0 | 0 | 0 |
| 14 | 16 | 72830821 | C>G | 0 | 0 | 0 | 0 |
| 15 | 16 | 72830843 | A>G | 0 | 0 | 0 | 0 |
| 16 | 16 | 73065968 | A>G | 0 | 0.333333333 | 0 | 0.4933333 |
| 17 | 16 | 74493181 | T>C | 0 | 0.333333333 | 0 | 0 |
| 18 | 16 | 74511755 | T>C | 0 | 0.463333333 | 0 | 0 |
| 19 | 16 | 74511765 | G>A | 0 | 0 | 0 | 0 |
| 20 | 16 | 74550185 | C>T | 0 | 0.333333333 | 0 | 0 |
| 21 | 16 | 74552211 | A>C | 0 | 0.49 | 0 | 0 |
| 22 | 16 | 74552227 | G>A | 0 | 0.625 | 0 | 0 |
| 23 | 16 | 74552493 | T>C | 0 | 0 | 0 | 0 |
| 24 | 16 | 74552592 | T>A | 0 | 0.555 | 0 | 0 |
| 25 | 16 | 74620771 | A>T | 0 | 0 | 0 | 0.3866667 |
| 26 | 16 | 74628978 | C>T | 0 | 0 | 0 | 0 |
| 27 | 16 | 74628979 | A>G | 0 | 0 | 0 | 0 |
| 28 | 16 | 74666992 | C>T | 0 | 0.493333333 | 0 | 0 |
| 29 | 16 | 74727102 | T>C | 0 | 0 | 0 | 0 |
| 30 | 16 | 74758035 | G>T | 0 | 0.476666667 | 0 | 0 |
| 31 | 16 | 74800960 | A>G | 0 | 0 | 0.416666667 | 0.4766667 |
| 32 | 16 | 74912300 | T>C | 0 | 0.555 | 0 | 0.3233333 |
| 33 | 16 | 74939472 | C>T | 0 | 0 | 0 | 0 |
| 34 | 16 | 74942075 | A>G | 0 | 0 | 0 | 0 |
| 35 | 16 | 74945020 | T>C | 0 | 0 | 0 | 0 |
| 36 | 16 | 74947409 | A>G | 0 | 0 | 0 | 0 |
| 37 | 16 | 74969653 | G>T | 0 | 0 | 0.333333333 | 0.5566667 |
| 38 | 16 | 74978156 | C>G | 0 | 0.346666667 | 0 | 0 |
| 39 | 16 | 75044148 | A>T | 0 | 0.356666667 | 0 | 0.3933333 |
| 40 | 16 | 75096095 | T>A | 0 | 0 | 0 | 0 |
| 41 | 16 | 75197721 | G>C | 0 | 0.435 | 0 | 0 |
| 42 | 16 | 75254854 | T>C | 0 | 0.313333333 | 0 | 0.46 |
| 43 | 16 | 75266337 | T>C | 0 | 0.333333333 | 0 | 0 |
| 44 | 16 | 75336990 | T>C | 0 | 0.37 | 0 | 0 |
| 45 | 16 | 75337839 | C>T | 0 | 0.666666667 | 0 | 0 |
| 46 | 16 | 75397396 | G>C | 0 | 0.416666667 | 0 | 0 |
| 47 | 16 | 75418020 | T>G | 0 | 0.316666667 | 0 | 0 |
| 48 | 16 | 75437827 | G>T | 0 | 0.385 | 0 | 0 |
| 49 | 16 | 75455706 | C>T | 0 | 0.5 | 0 | 0 |
| 50 | 16 | 76426051 | C>T | 0 | 0.416666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 16 | 76550256 | G>T | 0 | 0.833333333 | 0 | 0 |
| 3 | 16 | 76550347 | C>G | 0 | 0 | 0 | 0.64666667 |
| 4 | 16 | 77369647 | G>C | 0 | 0 | 0 | 0 |
| 5 | 16 | 77831191 | C>T | 0 | 0 | 0 | 0.33333333 |
| 6 | 16 | 77934403 | G>C | 0 | 0.323333333 | 0 | 0.37 |
| 7 | 16 | 77942790 | G>T | 0 | 0.5 | 0 | 0 |
| 8 | 16 | 78141951 | G>A | 0 | 0.308333333 | 0 | 0 |
| 9 | 16 | 78367203 | G>C | 0 | 0.796666667 | 0 | 0 |
| 10 | 16 | 78636387 | T>C | 0 | 0 | 0 | 0 |
| 11 | 16 | 78666999 | C>A | 0 | 0 | 0 | 0.48333333 |
| 12 | 16 | 78668472 | G>A | 0 | 0.333333333 | 0 | 0 |
| 13 | 16 | 78671069 | G>A | 0 | 0.445 | 0 | 0.89666667 |
| 14 | 16 | 78786288 | G>A | 0 | 0.308333333 | 0 | 0 |
| 15 | 16 | 78820796 | A>G | 0 | 0.333333333 | 0 | 0 |
| 16 | 16 | 78978798 | A>G | 0 | 0.343333333 | 0 | 0 |
| 17 | 16 | 79027454 | G>A | 0 | 0 | 0 | 0 |
| 18 | 16 | 79052799 | A>G | 0 | 0 | 0 | 0 |
| 19 | 16 | 79156007 | G>C | 0 | 0 | 0 | 0 |
| 20 | 16 | 79195655 | A>G | 0 | 0 | 0 | 0 |
| 21 | 16 | 80670516 | C>G | 0 | 0 | 0 | 0.47666667 |
| 22 | 16 | 81219226 | G>A | 0 | 0.313333333 | 0 | 0 |
| 23 | 16 | 81245804 | T>C | 0 | 0.555 | 0 | 0 |
| 24 | 16 | 81281402 | G>A | 0 | 0.361666667 | 0.303333333 | 0.80333333 |
| 25 | 16 | 81374782 | T>C | 0 | 0 | 0 | 0 |
| 26 | 16 | 81378416 | G>A | 0 | 0 | 0 | 0 |
| 27 | 16 | 81509722 | T>C | 0 | 0 | 0 | 0 |
| 28 | 16 | 81541198 | G>A | 0 | 0.455 | 0 | 0 |
| 29 | 16 | 81646004 | C>T | 0 | 0.416666667 | 0 | 0 |
| 30 | 16 | 81926690 | A>T | 0 | 0 | 0 | 0 |
| 31 | 16 | 82094716 | G>T | 0 | 0.493333333 | 0 | 0 |
| 32 | 16 | 82753266 | G>C | 0 | 0 | 0 | 0 |
| 33 | 16 | 82753267 | G>A | 0 | 0 | 0 | 0 |
| 34 | 16 | 82815932 | T>C | 0 | 0.391666667 | 0 | 0 |
| 35 | 16 | 82869846 | T>C | 0 | 0 | 0 | 0 |
| 36 | 16 | 82931948 | C>G | 0 | 0 | 0 | 0 |
| 37 | 16 | 83137023 | A>G | 0 | 0 | 0 | 0 |
| 38 | 16 | 83193524 | A>G | 0 | 0.391666667 | 0 | 0 |
| 39 | 16 | 83213019 | T>C | 0 | 0.333333333 | 0 | 0 |
| 40 | 16 | 84159502 | A>T | 0 | 0.37 | 0 | 0 |
| 41 | 16 | 84211103 | C>T | 0 | 0.333333333 | 0 | 0 |
| 42 | 16 | 84408958 | A>G | 0 | 0 | 0 | 0 |
| 43 | 16 | 84414512 | C>T | 0 | 0.385 | 0 | 0 |
| 44 | 16 | 84415010 | T>C | 0 | 0 | 0 | 0 |
| 45 | 16 | 84475209 | G>A | 0 | 0 | 0 | 0 |
| 46 | 16 | 84615225 | G>A | 0 | 0 | 0 | 0 |
| 47 | 16 | 84615255 | G>A | 0 | 0 | 0 | 0 |
| 48 | 16 | 84695490 | C>G | 0 | 0 | 0 | 0 |
| 49 | 16 | 84923782 | A>G | 0 | 0 | 0 | 0.49333333 |
| 50 | 16 | 85941032 | G>T | 0 | 0.416666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 16 | 87341269 | T>C | 0 | 0.513333333 | 0 | 0 |
| 3 | 16 | 87464252 | C>T | 0 | 0.308333333 | 0 | 0 |
| 4 | 16 | 87474051 | A>G | 0 | 0 | 0 | 0.52 |
| 5 | 16 | 87654669 | A>G | 0 | 0 | 0 | 0 |
| 6 | 16 | 87685771 | T>C | 0 | 0.555 | 0 | 0 |
| 7 | 16 | 87789451 | A>G | 0 | 0 | 0 | 0.62 |
| 8 | 16 | 87792540 | C>G | 0 | 0 | 0 | 0.72333333 |
| 9 | 16 | 88108690 | G>A | 0 | 0.5 | 0 | 0 |
| 10 | 16 | 88629468 | T>C | 0 | 0 | 0 | 0 |
| 11 | 16 | 88640537 | T>C | 0 | 0 | 0 | 0.35 |
| 12 | 16 | 88709712 | A>G | 0 | 0 | 0 | 0 |
| 13 | 16 | 89495099 | C>T | 0 | 0.345 | 0 | 0 |
| 14 | 16 | 89530444 | A>C | 0 | 0.483333333 | 0 | 0.4066667 |
| 15 | 16 | 89585865 | C>T | 0 | 0.416666667 | 0 | 0 |
| 16 | 16 | 89591061 | A>C | 0 | 0 | 0 | 0.43 |
| 17 | 16 | 89661302 | C>T | 0 | 0 | 0 | 0.35 |
| 18 | 16 | 89691384 | C>G | 0 | 0 | 0 | 0 |
| 19 | 16 | 89728428 | T>A | 0 | 0 | 0 | 0 |
| 20 | 16 | 89730338 | G>C | 0 | 0.588333333 | 0 | 0 |
| 21 | 16 | 89732221 | A>G | 0 | 0 | 0 | 0.32333333 |
| 22 | 16 | 89732222 | T>C | 0 | 0 | 0 | 0.32333333 |
| 23 | 16 | 89755249 | T>C | 0 | 0 | 0 | 0.9866667 |
| 24 | 16 | 89765040 | G>A | 0 | 0.555 | 0 | 0 |
| 25 | 16 | 89840435 | T>C | 0 | 0.356666667 | 0 | 0 |
| 26 | 16 | 89844485 | C>G | 0 | 0.476666667 | 0 | 0 |
| 27 | 17 | 121481 | G>A | 0 | 0 | 0 | 0.6666667 |
| 28 | 17 | 174620 | A>G | 0 | 0 | 0 | 0 |
| 29 | 17 | 539036 | A>G | 0 | 0 | 0.315 | 0.30333333 |
| 30 | 17 | 541103 | C>T | 0 | 0.308333333 | 0 | 0 |
| 31 | 17 | 582690 | C>G | 0 | 0 | 0 | 0.64 |
| 32 | 17 | 590317 | A>G | 0 | 0.666666667 | 0 | 0 |
| 33 | 17 | 601448 | A>G | 0 | 0 | 0 | 0 |
| 34 | 17 | 704881 | A>T | 0 | 0 | 0 | 0 |
| 35 | 17 | 704952 | A>G | 0 | 0 | 0 | 0 |
| 36 | 17 | 803261 | G>T | 0 | 0.606666667 | 0 | 0.3166667 |
| 37 | 17 | 817436 | A>G | 0 | 0.316666667 | 0 | 0 |
| 38 | 17 | 820063 | G>A | 0 | 0 | 0 | 0 |
| 39 | 17 | 1001569 | A>G | 0 | 0 | 0 | 0.69333333 |
| 40 | 17 | 1185758 | A>G | 0 | 0.606666667 | 0 | 0 |
| 41 | 17 | 1188099 | T>C | 0 | 0.666666667 | 0 | 0 |
| 42 | 17 | 1259278 | C>T | 0 | 0 | 0 | 0.51333333 |
| 43 | 17 | 1293386 | A>C | 0 | 0 | 0.313333333 | 0 |
| 44 | 17 | 1334132 | T>C | 0 | 0 | 0 | 0.6666667 |
| 45 | 17 | 1405533 | C>T | 0 | 0 | 0 | 0 |
| 46 | 17 | 1441302 | G>C | 0 | 0.4 | 0 | 0.5 |
| 47 | 17 | 1637846 | G>A | 0 | 0 | 0 | 0.63333333 |
| 48 | 17 | 1676064 | T>A | 0 | 0.588333333 | 0 | 0 |
| 49 | 17 | 1699943 | A>C | 0 | 0 | 0 | 0.74 |
| 50 | 17 | 1715031 | G>A | 0 | 0.416666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 17 | 1738240 | T>C | 0 | 0 | 0 | 0.3033333 |
| 3 | 17 | 1779639 | G>A | 0 | 0.476666667 | 0 | 0 |
| 4 | 17 | 1797635 | G>A | 0 | 0 | 0 | 0.58 |
| 5 | 17 | 2029155 | A>G | 0 | 0.385 | 0 | 0 |
| 6 | 17 | 2045966 | C>T | 0 | 0 | 0 | 0.4533333 |
| 7 | 17 | 2214261 | C>T | 0 | 0 | 0 | 0.4433333 |
| 8 | 17 | 2337133 | G>A | 0 | 0.416666667 | 0 | 0 |
| 9 | 17 | 2366808 | C>T | 0 | 0 | 0.378333333 | 0 |
| 10 | 17 | 2369382 | A>G | 0 | 0.351666667 | 0 | 0 |
| 11 | 17 | 2512891 | T>C | 0 | 0.333333333 | 0 | 0.3333333 |
| 12 | 17 | 2557727 | T>C | 0 | 0 | 0 | 0.4166667 |
| 13 | 17 | 2558723 | C>T | 0 | 0.555 | 0 | 0 |
| 14 | 17 | 2873316 | T>C | 0 | 0.513333333 | 0 | 0 |
| 15 | 17 | 3396590 | C>T | 0 | 0.333333333 | 0 | 0 |
| 16 | 17 | 3396606 | C>T | 0 | 0.333333333 | 0 | 0 |
| 17 | 17 | 3471373 | G>T | 0 | 0 | 0 | 0 |
| 18 | 17 | 3482981 | T>G | 0 | 0.888333333 | 0 | 0 |
| 19 | 17 | 3531797 | A>C | 0 | 0 | 0 | 0 |
| 20 | 17 | 3546444 | C>T | 0 | 0 | 0 | 0.3433333 |
| 21 | 17 | 3548940 | T>G | 0 | 0 | 0 | 0.4633333 |
| 22 | 17 | 3578602 | A>G | 0 | 0.476666667 | 0.416666667 | 0 |
| 23 | 17 | 3596947 | T>A | 0 | 0 | 0 | 0.6333333 |
| 24 | 17 | 3635250 | A>G | 0 | 0.37 | 0 | 0 |
| 25 | 17 | 3657727 | A>G | 0 | 0 | 0 | 0.69 |
| 26 | 17 | 3668541 | C>G | 0 | 0 | 0 | 0.4033333 |
| 27 | 17 | 3669924 | C>T | 0 | 0 | 0 | 0.4766667 |
| 28 | 17 | 4161617 | A>G | 0 | 0 | 0 | 0.7766667 |
| 29 | 17 | 4215331 | G>C | 0 | 0.416666667 | 0 | 0 |
| 30 | 17 | 4345570 | C>T | 0 | 0.356666667 | 0 | 0 |
| 31 | 17 | 4375420 | T>C | 0 | 0.588333333 | 0 | 0 |
| 32 | 17 | 4906442 | T>C | 0 | 0.396666667 | 0 | 0 |
| 33 | 17 | 4919781 | T>G | 0 | 0 | 0 | 0.5566667 |
| 34 | 17 | 5135146 | A>G | 0 | 0.396666667 | 0 | 0 |
| 35 | 17 | 5209865 | A>G | 0 | 0 | 0 | 0 |
| 36 | 17 | 5216319 | T>C | 0 | 0.666666667 | 0 | 0 |
| 37 | 17 | 5330722 | T>C | 0 | 0.396666667 | 0 | 0.3166667 |
| 38 | 17 | 5984904 | A>G | 0 | 0.666666667 | 0 | 0 |
| 39 | 17 | 6010637 | G>A | 0 | 0 | 0 | 0.37 |
| 40 | 17 | 6335463 | A>G | 0 | 0 | 0 | 0.8333333 |
| 41 | 17 | 6424535 | T>C | 0 | 0 | 0 | 0.44 |
| 42 | 17 | 6720094 | A>T | 0 | 0.391666667 | 0 | 0.5 |
| 43 | 17 | 6904912 | T>C | 0 | 0 | 0 | 0 |
| 44 | 17 | 6916337 | A>G | 0 | 0 | 0 | 0.4766667 |
| 45 | 17 | 7097752 | C>T | 0 | 0 | 0 | 0 |
| 46 | 17 | 7289101 | T>C | 0 | 0 | 0 | 0.4166667 |
| 47 | 17 | 7624653 | G>A | 0 | 0 | 0 | 0.52 |
| 48 | 17 | 7711449 | G>A | 0 | 0.416666667 | 0 | 0 |
| 49 | 17 | 7711514 | C>A | 0 | 0.445 | 0 | 0 |
| 50 | 17 | 8356309 | A>G | 0 | 0 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|------------|
| 1 | 17 | 8498968 | T>C | 0 | 0.555 | 0 | 0 |
| 2 | 17 | 8974056 | C>G | 0 | 0.588333333 | 0 | 0 |
| 3 | 17 | 8995031 | G>A | 0 | 0 | 0.303333333 | 0 |
| 4 | 17 | 9117927 | T>C | 0 | 0.641666667 | 0 | 0 |
| 5 | 17 | 9185166 | G>A | 0 | 0.701666667 | 0 | 0 |
| 6 | 17 | 9218210 | A>G | 0 | 0 | 0 | 0 |
| 7 | 17 | 9301100 | T>C | 0 | 0 | 0 | 0.70333333 |
| 8 | 17 | 9341316 | T>C | 0 | 0.455 | 0.401666667 | 0 |
| 9 | 17 | 9368311 | C>T | 0 | 0.416666667 | 0 | 0.3166667 |
| 10 | 17 | 9514124 | A>G | 0 | 0 | 0 | 0.73 |
| 11 | 17 | 9531804 | T>C | 0 | 0 | 0 | 0 |
| 12 | 17 | 9552481 | G>A | 0 | 0.613333333 | 0 | 0 |
| 13 | 17 | 9566824 | G>A | 0 | 0 | 0 | 0.8966667 |
| 14 | 17 | 9750844 | C>T | 0 | 0.555 | 0 | 0 |
| 15 | 17 | 10045342 | A>G | 0 | 0 | 0 | 0.3333333 |
| 16 | 17 | 10088522 | A>G | 0 | 0 | 0 | 0.3133333 |
| 17 | 17 | 10604897 | T>C | 0 | 0 | 0 | 0.3966667 |
| 18 | 17 | 11289596 | A>G | 0 | 0 | 0 | 0.89 |
| 19 | 17 | 11358316 | C>T | 0 | 0.513333333 | 0 | 0 |
| 20 | 17 | 11399853 | G>A | 0 | 0 | 0 | 0 |
| 21 | 17 | 11854996 | T>C | 0 | 0 | 0 | 0.74 |
| 22 | 17 | 12573084 | C>T | 0 | 0.378333333 | 0 | 0 |
| 23 | 17 | 12710762 | T>G | 0 | 0 | 0 | 0 |
| 24 | 17 | 12764341 | C>T | 0 | 0 | 0 | 0 |
| 25 | 17 | 13409201 | T>C | 0 | 0 | 0 | 0 |
| 26 | 17 | 13420177 | A>G | 0 | 0 | 0 | 0.4766667 |
| 27 | 17 | 15158205 | A>G | 0 | 0 | 0 | 0.7766667 |
| 28 | 17 | 15859253 | C>T | 0 | 0 | 0 | 0 |
| 29 | 17 | 15866073 | T>C | 0 | 0.438333333 | 0 | 0 |
| 30 | 17 | 15881843 | T>C | 0 | 0.438333333 | 0 | 0 |
| 31 | 17 | 15889882 | T>C | 0 | 0 | 0 | 0 |
| 32 | 17 | 16005699 | C>T | 0 | 0.888333333 | 0 | 0 |
| 33 | 17 | 16013267 | T>C | 0 | 0.37 | 0 | 0 |
| 34 | 17 | 16015309 | G>A | 0 | 0 | 0 | 0.5133333 |
| 35 | 17 | 16038216 | G>A | 0 | 0 | 0 | 0.5833333 |
| 36 | 17 | 16055870 | A>T | 0 | 0.555 | 0 | 0 |
| 37 | 17 | 16056068 | G>A | 0 | 0.666666667 | 0 | 0 |
| 38 | 17 | 16063353 | T>C | 0 | 0.455 | 0 | 0 |
| 39 | 17 | 16200224 | T>C | 0 | 0.5 | 0 | 0 |
| 40 | 17 | 16224156 | T>C | 0 | 0.313333333 | 0 | 0 |
| 41 | 17 | 16850170 | A>G | 0 | 0 | 0 | 0.5733333 |
| 42 | 17 | 16950271 | G>C | 0 | 0 | 0 | 0 |
| 43 | 17 | 17041571 | G>A | 0 | 0 | 0 | 0 |
| 44 | 17 | 17133596 | A>G | 0 | 0.513333333 | 0 | 0 |
| 45 | 17 | 17176917 | G>C | 0 | 0.316666667 | 0 | 0.4533333 |
| 46 | 17 | 17244097 | T>C | 0 | 0 | 0 | 0.7233333 |
| 47 | 17 | 17430813 | G>A | 0 | 0.455 | 0 | 0 |
| 48 | 17 | 17488569 | A>T | 0 | 0.555 | 0 | 0.6066667 |
| 49 | 17 | 17778474 | A>G | 0 | 0.666666667 | 0 | 0.5 |
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| 1 | | | | | | | |
| 2 | 17 | 18197177 | A>G | 0 | 0 | 0.5183333333 | 0.70333333 |
| 3 | 17 | 18254293 | T>C | 0 | 0.3566666667 | 0 | 0 |
| 4 | 17 | 18808986 | G>A | 0 | 0 | 0 | 0 |
| 5 | 17 | 18812999 | T>C | 0 | 0.5883333333 | 0 | 0 |
| 6 | 17 | 18859298 | G>A | 0 | 0 | 0 | 0.58 |
| 7 | 17 | 19193218 | A>G | 0 | 0.3566666667 | 0 | 0 |
| 8 | 17 | 19193235 | A>G | 0 | 0.455 | 0 | 0 |
| 9 | 17 | 19448784 | C>T | 0 | 0 | 0 | 0.47666667 |
| 10 | 17 | 19571151 | T>C | 0 | 0.5216666667 | 0 | 0 |
| 11 | 17 | 19613942 | T>G | 0 | 0 | 0 | 0 |
| 12 | 17 | 19686568 | C>A | 0 | 0.37 | 0 | 0.41666667 |
| 13 | 17 | 19734198 | T>G | 0 | 0.4166666667 | 0 | 0 |
| 14 | 17 | 19736252 | G>A | 0 | 0.3133333333 | 0 | 0 |
| 15 | 17 | 19749401 | A>T | 0 | 0.6483333333 | 0 | 0.38333333 |
| 16 | 17 | 19753877 | C>T | 0 | 0 | 0 | 0.8 |
| 17 | 17 | 19812213 | C>T | 0 | 0 | 0 | 0.41666667 |
| 18 | 17 | 20164612 | G>C | 0 | 0.4166666667 | 0 | 0 |
| 19 | 17 | 20199053 | A>T | 0 | 0.3333333333 | 0 | 0.62666667 |
| 20 | 17 | 20205071 | C>T | 0 | 0.4633333333 | 0 | 0 |
| 21 | 17 | 21209909 | G>C | 0 | 0 | 0 | 0.37 |
| 22 | 17 | 21213532 | A>G | 0 | 0 | 0 | 0.63333333 |
| 23 | 17 | 26429610 | T>G | 0 | 0 | 0 | 0.73 |
| 24 | 17 | 26472812 | G>A | 0 | 0.77 | 0 | 0 |
| 25 | 17 | 26514589 | A>G | 0 | 0 | 0 | 0 |
| 26 | 17 | 26666596 | C>A | 0 | 0 | 0 | 0 |
| 27 | 17 | 26689629 | G>A | 0 | 0.49 | 0 | 0 |
| 28 | 17 | 26804337 | G>A | 0 | 0.4166666667 | 0 | 0 |
| 29 | 17 | 26804834 | G>T | 0 | 0 | 0 | 0 |
| 30 | 17 | 26924334 | C>G | 0 | 0 | 0 | 0 |
| 31 | 17 | 26970439 | C>T | 0 | 0.6666666667 | 0 | 0 |
| 32 | 17 | 26971179 | T>C | 0 | 0 | 0 | 0 |
| 33 | 17 | 26996367 | A>G | 0 | 0 | 0 | 0 |
| 34 | 17 | 27035851 | A>T | 0 | 0 | 0 | 0 |
| 35 | 17 | 27063205 | A>G | 0 | 0.5 | 0 | 0 |
| 36 | 17 | 27095593 | A>G | 0 | 0.445 | 0.315 | 0.41666667 |
| 37 | 17 | 27098862 | G>A | 0 | 0 | 0 | 0 |
| 38 | 17 | 27100614 | T>C | 0 | 0 | 0 | 0 |
| 39 | 17 | 27166143 | A>T | 0 | 0 | 0 | 0.49333333 |
| 40 | 17 | 27238382 | T>C | 0 | 0 | 0 | 0 |
| 41 | 17 | 27285616 | A>T | 0 | 0 | 0 | 0 |
| 42 | 17 | 27372618 | A>G | 0 | 0 | 0 | 0.57 |
| 43 | 17 | 27435882 | C>T | 0 | 0 | 0 | 0 |
| 44 | 17 | 27598855 | A>G | 0 | 0 | 0 | 0.61333333 |
| 45 | 17 | 27603568 | G>C | 0 | 0 | 0.3033333333 | 0.43333333 |
| 46 | 17 | 27609316 | C>T | 0 | 0 | 0 | 0.36333333 |
| 47 | 17 | 27753177 | C>T | 0 | 0 | 0.32 | 0 |
| 48 | 17 | 27754707 | A>G | 0 | 0.3466666667 | 0 | 0.74 |
| 49 | 17 | 27769315 | A>T | 0 | 0.4766666667 | 0 | 0 |
| 50 | 17 | 27782118 | A>G | 0 | 0 | 0 | 0.54333333 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | 17 | 27807710 | G>A | 0 | 0.595 | 0 | 0.3033333 |
| 2 | 17 | 27908024 | C>T | 0 | 0 | 0 | 0 |
| 3 | 17 | 28061065 | C>T | 0 | 0.53 | 0 | 0 |
| 4 | 17 | 28092100 | C>T | 0 | 0.555 | 0 | 0 |
| 5 | 17 | 28108950 | C>G | 0 | 0.506666667 | 0 | 0.4166667 |
| 6 | 17 | 28228063 | C>T | 0 | 0 | 0 | 0.3833333 |
| 7 | 17 | 28448674 | A>G | 0 | 0.445 | 0 | 0.5 |
| 8 | 17 | 28474655 | A>G | 0 | 0.666666667 | 0 | 0 |
| 9 | 17 | 28551448 | A>C | 0 | 0 | 0 | 0.6166667 |
| 10 | 17 | 28718684 | C>T | 0 | 0.416666667 | 0 | 0 |
| 11 | 17 | 28729467 | C>T | 0 | 0 | 0 | 0 |
| 12 | 17 | 28734403 | C>T | 0 | 0.346666667 | 0 | 0 |
| 13 | 17 | 28735786 | G>C | 0 | 0 | 0 | 0.4933333 |
| 14 | 17 | 28736199 | A>C | 0 | 0 | 0.323333333 | 0 |
| 15 | 17 | 28741320 | G>A | 0 | 0.416666667 | 0 | 0 |
| 16 | 17 | 28773813 | A>G | 0 | 0 | 0 | 0 |
| 17 | 17 | 29137413 | G>A | 0 | 0.381666667 | 0 | 0 |
| 18 | 17 | 29206002 | G>A | 0 | 0.356666667 | 0 | 0 |
| 19 | 17 | 29273516 | G>C | 0 | 0 | 0 | 0 |
| 20 | 17 | 29278805 | C>G | 0 | 0.555 | 0 | 0 |
| 21 | 17 | 29651841 | G>A | 0 | 0 | 0 | 0 |
| 22 | 17 | 29669363 | T>C | 0 | 0 | 0 | 0.4433333 |
| 23 | 17 | 30213598 | A>G | 0 | 0.4 | 0 | 0.3766667 |
| 24 | 17 | 30214413 | A>G | 0 | 0.455 | 0 | 0 |
| 25 | 17 | 30225293 | T>C | 0 | 0.378333333 | 0 | 0 |
| 26 | 17 | 30490506 | T>C | 0 | 0 | 0 | 0.4033333 |
| 27 | 17 | 30500478 | G>A | 0 | 0.833333333 | 0 | 0.5566667 |
| 28 | 17 | 30516145 | G>A | 0 | 0.381666667 | 0 | 0 |
| 29 | 17 | 30550606 | A>G | 0 | 0.785 | 0 | 0 |
| 30 | 17 | 30663944 | T>C | 0 | 0.391666667 | 0 | 0 |
| 31 | 17 | 30664671 | A>C | 0 | 0 | 0 | 0.5366667 |
| 32 | 17 | 30781644 | G>T | 0 | 0 | 0 | 0 |
| 33 | 17 | 30968563 | A>C | 0 | 0.391666667 | 0 | 0 |
| 34 | 17 | 30969330 | T>C | 0 | 0.346666667 | 0 | 0 |
| 35 | 17 | 31033208 | T>C | 0 | 0 | 0 | 0 |
| 36 | 17 | 31146390 | C>T | 0 | 0 | 0 | 0 |
| 37 | 17 | 31146403 | A>G | 0 | 0 | 0 | 0 |
| 38 | 17 | 31148893 | T>C | 0 | 0 | 0 | 0 |
| 39 | 17 | 31156679 | G>C | 0 | 0.361666667 | 0 | 0 |
| 40 | 17 | 31525105 | T>C | 0 | 0 | 0.385 | 0 |
| 41 | 17 | 33382622 | A>G | 0 | 0 | 0 | 0.7933333 |
| 42 | 17 | 33384105 | T>G | 0 | 0.455 | 0 | 0 |
| 43 | 17 | 33384173 | G>A | 0 | 0.416666667 | 0 | 0 |
| 44 | 17 | 33394580 | G>A | 0 | 0.316666667 | 0 | 0 |
| 45 | 17 | 33453794 | T>C | 0 | 0 | 0 | 0.4033333 |
| 46 | 17 | 33464611 | C>T | 0 | 0 | 0 | 0 |
| 47 | 17 | 33975333 | A>G | 0 | 0 | 0 | 0.69 |
| 48 | 17 | 34020211 | G>T | 0 | 0 | 0 | 0.74 |
| 49 | 17 | 34020263 | A>T | 0 | 0.396666667 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 17 | 34021784 | T>C | 0 | 0.416666667 | 0 | 0.58 |
| 3 | 17 | 34172715 | A>G | 0 | 0 | 0 | 0 |
| 4 | 17 | 34193874 | A>G | 0 | 0.595 | 0 | 0 |
| 5 | 17 | 34919849 | T>C | 0 | 0.333333333 | 0 | 0 |
| 6 | 17 | 35454929 | G>C | 0 | 0 | 0 | 0 |
| 7 | 17 | 35524438 | A>G | 0 | 0 | 0 | 0.7066667 |
| 8 | 17 | 35663023 | A>C | 0 | 0 | 0 | 0 |
| 9 | 17 | 35749894 | T>C | 0 | 0.313333333 | 0 | 0 |
| 10 | 17 | 35749895 | G>A | 0 | 0.313333333 | 0 | 0 |
| 11 | 17 | 35754202 | A>G | 0 | 1 | 0 | 0.3933333 |
| 12 | 17 | 35767874 | C>T | 0 | 0.463333333 | 0 | 0 |
| 13 | 17 | 35788883 | T>C | 0 | 0 | 0 | 0.7933333 |
| 14 | 17 | 35788928 | A>G | 0 | 0.313333333 | 0 | 0.3933333 |
| 15 | 17 | 35920939 | A>G | 0 | 0.346666667 | 0 | 0 |
| 16 | 17 | 35975953 | A>G | 0 | 0.376666667 | 0 | 0 |
| 17 | 17 | 35985120 | T>C | 0 | 0.333333333 | 0 | 0 |
| 18 | 17 | 36475715 | G>A | 0 | 0.316666667 | 0 | 0 |
| 19 | 17 | 36512528 | G>A | 0 | 0 | 0 | 0 |
| 20 | 17 | 36542642 | A>G | 0 | 0.466666667 | 0 | 0 |
| 21 | 17 | 36912809 | C>T | 0 | 0.416666667 | 0 | 0 |
| 22 | 17 | 36919512 | A>C | 0 | 0.5 | 0 | 0 |
| 23 | 17 | 36931241 | C>T | 0 | 0 | 0 | 0 |
| 24 | 17 | 36932326 | C>T | 0 | 0.37 | 0 | 0 |
| 25 | 17 | 37038603 | C>T | 0 | 0.345 | 0 | 0 |
| 26 | 17 | 37051152 | G>A | 0 | 0.333333333 | 0 | 0 |
| 27 | 17 | 37054290 | C>T | 0 | 0.416666667 | 0 | 0 |
| 28 | 17 | 37100738 | A>G | 0 | 0 | 0 | 0 |
| 29 | 17 | 37248591 | C>T | 0 | 0 | 0 | 0 |
| 30 | 17 | 37279618 | A>T | 0 | 0 | 0 | 0.4766667 |
| 31 | 17 | 37434492 | A>G | 0 | 0 | 0 | 0 |
| 32 | 17 | 37479443 | T>C | 0 | 0.37 | 0.351666667 | 0 |
| 33 | 17 | 37486003 | T>C | 0 | 0 | 0 | 0.4433333 |
| 34 | 17 | 37486004 | G>A | 0 | 0 | 0 | 0.4433333 |
| 35 | 17 | 37569452 | T>C | 0 | 0.316666667 | 0 | 0.4166667 |
| 36 | 17 | 37622023 | C>T | 0 | 0 | 0 | 0.49 |
| 37 | 17 | 38014451 | T>C | 0 | 0.333333333 | 0 | 0 |
| 38 | 17 | 38025798 | C>A | 0 | 0 | 0 | 0 |
| 39 | 17 | 38119831 | G>T | 0 | 0 | 0 | 0 |
| 40 | 17 | 38179290 | G>A | 0 | 0 | 0 | 0 |
| 41 | 17 | 38228764 | A>G | 0 | 0 | 0 | 0 |
| 42 | 17 | 38228786 | C>T | 0 | 0 | 0 | 0 |
| 43 | 17 | 38316157 | C>T | 0 | 0 | 0 | 0 |
| 44 | 17 | 38316158 | A>G | 0 | 0 | 0 | 0.4066667 |
| 45 | 17 | 38317106 | A>G | 0 | 0.345 | 0 | 0 |
| 46 | 17 | 38432951 | G>A | 0 | 0.333333333 | 0 | 0 |
| 47 | 17 | 38447915 | C>T | 0 | 0 | 0 | 0 |
| 48 | 17 | 38608142 | G>A | 0 | 0 | 0 | 0 |
| 49 | 17 | 38711184 | C>G | 0 | 0 | 0 | 0 |
| 50 | 17 | 38949149 | T>C | 0 | 0 | 0 | 0.3133333 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | 17 | 39190796 | T>C | 0 | 0 | 0 | 0 |
| 2 | 17 | 39847258 | C>G | 0 | 0 | 0 | 0 |
| 3 | 17 | 39918250 | A>G | 0 | 0 | 0 | 0.4766667 |
| 4 | 17 | 39936716 | T>C | 0 | 0.303333333 | 0 | 0.74 |
| 5 | 17 | 40054556 | C>G | 0 | 0 | 0 | 0 |
| 6 | 17 | 40054573 | C>T | 0 | 0.303333333 | 0 | 0 |
| 7 | 17 | 40058725 | G>C | 0 | 0.416666667 | 0 | 0 |
| 8 | 17 | 40181625 | G>A | 0 | 0 | 0 | 0.49 |
| 9 | 17 | 40324456 | C>T | 0 | 0.303333333 | 0 | 0 |
| 10 | 17 | 40387621 | G>A | 0 | 0.391666667 | 0 | 0 |
| 11 | 17 | 40732963 | T>C | 0 | 0 | 0 | 0.54 |
| 12 | 17 | 40856385 | A>C | 0 | 0 | 0 | 0.4633333 |
| 13 | 17 | 40870459 | T>C | 0 | 0 | 0 | 0 |
| 14 | 17 | 40927708 | T>C | 0 | 0 | 0 | 0 |
| 15 | 17 | 40959181 | A>C | 0 | 0 | 0.313333333 | 0.5966667 |
| 16 | 17 | 40974951 | A>G | 0 | 0.5 | 0 | 0 |
| 17 | 17 | 40997306 | G>A | 0 | 0 | 0 | 0 |
| 18 | 17 | 41138767 | C>T | 0 | 0.435 | 0 | 0 |
| 19 | 17 | 41159632 | T>C | 0 | 0.308333333 | 0 | 0 |
| 20 | 17 | 41181746 | A>G | 0 | 0 | 0 | 0 |
| 21 | 17 | 41205114 | T>C | 0 | 0 | 0 | 0 |
| 22 | 17 | 41248164 | C>T | 0 | 0 | 0 | 0 |
| 23 | 17 | 41262353 | T>C | 0 | 0 | 0 | 0.3433333 |
| 24 | 17 | 41267273 | A>C | 0 | 0.356666667 | 0 | 0.6266667 |
| 25 | 17 | 41267434 | G>A | 0 | 0 | 0 | 0 |
| 26 | 17 | 41268630 | A>G | 0 | 0.351666667 | 0 | 0.6933333 |
| 27 | 17 | 41337919 | T>G | 0 | 0 | 0 | 0.9866667 |
| 28 | 17 | 41337934 | T>C | 0 | 0 | 0 | 0.7766667 |
| 29 | 17 | 41355780 | G>T | 0 | 0 | 0 | 0 |
| 30 | 17 | 41584867 | T>G | 0 | 0 | 0 | 0 |
| 31 | 17 | 41855785 | C>T | 0 | 0 | 0 | 0 |
| 32 | 17 | 41962226 | G>A | 0 | 0 | 0 | 0 |
| 33 | 17 | 41963396 | G>A | 0 | 0 | 0 | 0 |
| 34 | 17 | 42053879 | T>C | 0 | 0 | 0.333333333 | 0.4066667 |
| 35 | 17 | 42057874 | A>G | 0 | 0.455 | 0 | 0 |
| 36 | 17 | 42059115 | G>C | 0 | 0 | 0 | 0.6666667 |
| 37 | 17 | 42115808 | T>C | 0 | 0 | 0 | 0.4166667 |
| 38 | 17 | 42124660 | A>G | 0 | 0 | 0 | 0.4766667 |
| 39 | 17 | 42167850 | T>C | 0 | 0 | 0 | 0.36 |
| 40 | 17 | 42229440 | T>C | 0 | 0 | 0 | 0.5866667 |
| 41 | 17 | 42252662 | T>C | 0 | 0.416666667 | 0 | 0 |
| 42 | 17 | 42489558 | C>T | 0 | 0.641666667 | 0 | 0 |
| 43 | 17 | 43167226 | A>G | 0 | 0.438333333 | 0 | 0 |
| 44 | 17 | 43324259 | C>T | 0 | 0 | 0 | 0 |
| 45 | 17 | 43368122 | T>C | 0 | 0 | 0 | 0 |
| 46 | 17 | 43382669 | A>G | 0 | 0 | 0 | 0.43 |
| 47 | 17 | 44005114 | T>C | 0 | 0.4 | 0 | 0 |
| 48 | 17 | 44007681 | A>G | 0 | 0.351666667 | 0 | 0 |
| 49 | 17 | 44237920 | C>A | 0 | 0.416666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|------|-----------|
| 1 | | | | | | | |
| 2 | 17 | 44270023 | A>G | 0 | 0 | 0 | 0 |
| 3 | 17 | 44880658 | C>G | 0 | 0.468333333 | 0 | 0 |
| 4 | 17 | 45203044 | T>G | 0 | 0.401666667 | 0 | 0 |
| 5 | 17 | 45343800 | C>T | 0 | 0.606666667 | 0 | 0 |
| 6 | 17 | 45343843 | C>T | 0 | 0.606666667 | 0 | 0 |
| 7 | 17 | 45731540 | A>G | 0 | 0.448333333 | 0 | 0 |
| 8 | 17 | 45749890 | A>G | 0 | 0.391666667 | 0 | 0 |
| 9 | 17 | 46171238 | A>T | 0 | 0 | 0 | 0.8766667 |
| 10 | 17 | 46218993 | T>C | 0 | 0.416666667 | 0 | 0 |
| 11 | 17 | 46236118 | T>C | 0 | 0 | 0 | 0.5566667 |
| 12 | 17 | 46292232 | T>C | 0 | 0.53 | 0 | 0 |
| 13 | 17 | 46408832 | T>C | 0 | 0 | 0 | 0 |
| 14 | 17 | 46700510 | C>T | 0 | 0 | 0 | 0 |
| 15 | 17 | 46925285 | A>G | 0 | 0 | 0 | 0.5366667 |
| 16 | 17 | 46925297 | A>G | 0 | 0 | 0 | 0.43 |
| 17 | 17 | 47017992 | A>C | 0 | 0 | 0 | 0 |
| 18 | 17 | 47231573 | A>G | 0 | 0.351666667 | 0 | 0 |
| 19 | 17 | 47377089 | G>A | 0 | 0.5 | 0 | 0 |
| 20 | 17 | 47420496 | A>G | 0 | 0 | 0 | 0 |
| 21 | 17 | 47718407 | T>C | 0 | 0.513333333 | 0 | 0 |
| 22 | 17 | 47734917 | C>T | 0 | 0 | 0 | 0 |
| 23 | 17 | 47744455 | A>G | 0 | 0.316666667 | 0 | 0 |
| 24 | 17 | 47796144 | G>A | 0 | 0 | 0 | 0.4933333 |
| 25 | 17 | 47866507 | T>C | 0 | 0 | 0 | 0 |
| 26 | 17 | 48452724 | G>C | 0 | 0 | 0 | 0 |
| 27 | 17 | 48527616 | A>T | 0 | 0.455 | 0 | 0.4666667 |
| 28 | 17 | 48540751 | A>T | 0 | 0 | 0 | 0 |
| 29 | 17 | 48548464 | G>A | 0 | 0.5 | 0 | 0 |
| 30 | 17 | 48639774 | G>A | 0 | 0 | 0 | 0 |
| 31 | 17 | 48663197 | T>C | 0 | 0 | 0 | 0 |
| 32 | 17 | 48747724 | A>G | 0 | 0 | 0 | 0 |
| 33 | 17 | 48822516 | G>A | 0 | 0 | 0 | 0.3866667 |
| 34 | 17 | 49104670 | G>T | 0 | 0 | 0 | 0 |
| 35 | 17 | 49117406 | A>G | 0 | 0.37 | 0 | 0 |
| 36 | 17 | 49124017 | C>T | 0 | 0 | 0 | 0 |
| 37 | 17 | 49124136 | T>G | 0 | 0 | 0 | 0 |
| 38 | 17 | 49124167 | A>G | 0 | 0 | 0 | 0 |
| 39 | 17 | 49124222 | T>A | 0 | 0 | 0 | 0 |
| 40 | 17 | 49161982 | A>C | 0 | 0.455 | 0 | 0 |
| 41 | 17 | 49178498 | A>G | 0 | 0.613333333 | 0 | 0 |
| 42 | 17 | 49293573 | G>A | 0 | 0.435 | 0 | 0 |
| 43 | 17 | 49371791 | C>A | 0 | 0.513333333 | 0 | 0 |
| 44 | 17 | 49720256 | A>G | 0 | 0.333333333 | 0 | 0.35 |
| 45 | 17 | 49772473 | T>G | 0 | 0 | 0 | 0 |
| 46 | 17 | 53003047 | C>T | 0 | 0.303333333 | 0 | 0.4066667 |
| 47 | 17 | 53021718 | T>G | 0 | 0.555 | 0 | 0.3333333 |
| 48 | 17 | 53033845 | A>T | 0 | 0 | 0 | 0.35 |
| 49 | 17 | 53143694 | T>C | 0 | 0 | 0.37 | 0 |
| 50 | 17 | 53474751 | A>G | 0 | 0.361666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 17 | 53483836 | C>T | 0 | 0 | 0 | 0.3333333 |
| 3 | 17 | 54264809 | T>G | 0 | 0 | 0 | 0.4066667 |
| 4 | 17 | 54330928 | A>G | 0 | 0 | 0 | 0 |
| 5 | 17 | 54331006 | G>A | 0 | 0.476666667 | 0 | 0 |
| 6 | 17 | 54385040 | G>A | 0 | 0 | 0 | 0 |
| 7 | | | | | | | |
| 8 | 17 | 54414119 | T>C | 0 | 0.313333333 | 0.333333333 | 0 |
| 9 | 17 | 54874824 | T>C | 0 | 0 | 0 | 0 |
| 10 | 17 | 55412070 | A>G | 0 | 0.4 | 0 | 0 |
| 11 | 17 | 55433365 | A>G | 0 | 0.555 | 0 | 0 |
| 12 | 17 | 55454553 | C>T | 0 | 0 | 0 | 0 |
| 13 | 17 | 55557556 | C>T | 0 | 0.416666667 | 0 | 0 |
| 14 | 17 | 55574433 | A>G | 0 | 0 | 0 | 0 |
| 15 | 17 | 55596171 | T>A | 0 | 0 | 0 | 0 |
| 16 | | | | | | | |
| 17 | 17 | 55682505 | C>G | 0 | 0 | 0 | 0 |
| 18 | 17 | 55964478 | G>A | 0 | 0.333333333 | 0 | 0 |
| 19 | 17 | 56166661 | A>C | 0 | 0 | 0 | 0 |
| 20 | 17 | 56166767 | A>G | 0 | 0 | 0 | 0 |
| 21 | 17 | 56354362 | A>G | 0 | 0 | 0 | 0.6666667 |
| 22 | 17 | 56427825 | T>C | 0 | 0.333333333 | 0 | 0 |
| 23 | 17 | 56471371 | T>C | 0 | 0.513333333 | 0 | 0 |
| 24 | | | | | | | |
| 25 | 17 | 56563385 | T>A | 0 | 0 | 0 | 0 |
| 26 | 17 | 56589816 | C>T | 0 | 0 | 0 | 0 |
| 27 | 17 | 56724697 | G>C | 0 | 0 | 0 | 0 |
| 28 | 17 | 56758409 | G>A | 0 | 0 | 0 | 0.31 |
| 29 | | | | | | | |
| 30 | 17 | 56774652 | C>A | 0 | 0.303333333 | 0.333333333 | 0.36 |
| 31 | 17 | 56783003 | C>T | 0 | 0 | 0 | 0 |
| 32 | 17 | 56849568 | T>C | 0 | 0 | 0 | 0.6966667 |
| 33 | 17 | 56925298 | C>T | 0 | 0 | 0.346666667 | 0 |
| 34 | 17 | 56927096 | C>G | 0 | 0 | 0 | 0.5566667 |
| 35 | 17 | 56942177 | G>A | 0 | 0.361666667 | 0 | 0 |
| 36 | 17 | 56971586 | A>G | 0 | 0 | 0 | 0 |
| 37 | 17 | 56975836 | A>G | 0 | 0 | 0 | 0.3166667 |
| 38 | 17 | 57028331 | G>C | 0 | 0 | 0 | 0 |
| 39 | 17 | 57054614 | A>G | 0 | 0 | 0 | 0 |
| 40 | 17 | 57133865 | C>T | 0 | 0 | 0 | 0.7833333 |
| 41 | 17 | 57267723 | T>C | 0 | 0 | 0 | 0 |
| 42 | 17 | 57417690 | G>A | 0 | 0 | 0 | 0 |
| 43 | 17 | 57474667 | C>A | 0 | 0 | 0 | 0 |
| 44 | 17 | 57649825 | C>T | 0 | 0 | 0 | 0 |
| 45 | 17 | 57683190 | T>G | 0 | 0.333333333 | 0 | 0 |
| 46 | 17 | 57702105 | T>C | 0 | 0.455 | 0 | 0 |
| 47 | 17 | 57779167 | T>C | 0 | 0 | 0 | 0.74 |
| 48 | 17 | 57867444 | C>T | 0 | 0 | 0 | 0.3566667 |
| 49 | 17 | 57887591 | G>T | 0 | 0.346666667 | 0 | 0 |
| 50 | 17 | 58230480 | T>C | 0 | 0 | 0 | 0 |
| 51 | 17 | 58230510 | T>C | 0 | 0.333333333 | 0 | 0.4033333 |
| 52 | 17 | 58437757 | T>C | 0 | 0 | 0 | 0.5066667 |
| 53 | 17 | 58546551 | G>T | 0 | 0 | 0 | 0 |
| 54 | 17 | 58561022 | A>G | 0 | 0 | 0 | 0.47 |
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| 1 | | | | | | | |
| 2 | 17 | 58561271 | C>G | 0 | 0 | 0 | 0 |
| 3 | 17 | 58600799 | G>A | 0 | 0 | 0 | 0 |
| 4 | 17 | 58702417 | T>C | 0 | 0.37 | 0 | 0 |
| 5 | 17 | 58729009 | G>A | 0 | 0 | 0 | 0.77 |
| 6 | 17 | 58768516 | T>A | 0 | 0.308333333 | 0 | 0 |
| 7 | 17 | 58803836 | T>C | 0 | 0 | 0 | 0.5366667 |
| 8 | 17 | 58842051 | T>G | 0 | 0.401666667 | 0 | 0 |
| 9 | 17 | 58842632 | A>G | 0 | 0 | 0 | 0.3033333 |
| 10 | 17 | 58842715 | A>C | 0 | 0.555 | 0 | 0 |
| 11 | 17 | 58843690 | T>C | 0 | 0 | 0 | 0.6666667 |
| 12 | 17 | 58932060 | G>A | 0 | 0.438333333 | 0 | 0 |
| 13 | 17 | 59068270 | A>G | 0 | 0.308333333 | 0 | 0 |
| 14 | 17 | 59099795 | T>C | 0 | 0.513333333 | 0 | 0 |
| 15 | 17 | 59243019 | T>C | 0 | 0 | 0.666666667 | 0 |
| 16 | 17 | 59307434 | T>C | 0 | 0 | 0 | 0.3933333 |
| 17 | 17 | 59334529 | C>T | 0 | 0.476666667 | 0 | 0.4066667 |
| 18 | 17 | 59364866 | T>C | 0 | 0.555 | 0 | 0 |
| 19 | 17 | 59776330 | A>G | 0 | 0.391666667 | 0.303333333 | 0 |
| 20 | 17 | 59850692 | G>A | 0 | 0.555 | 0 | 0.6933333 |
| 21 | 17 | 59851600 | A>G | 0 | 0.37 | 0 | 0.6466667 |
| 22 | 17 | 59867655 | T>C | 0 | 0 | 0 | 0 |
| 23 | 17 | 60029360 | A>G | 0 | 0 | 0 | 0.4166667 |
| 24 | 17 | 60057438 | C>T | 0 | 0.49 | 0 | 0 |
| 25 | 17 | 60082475 | G>C | 0 | 0 | 0 | 0 |
| 26 | 17 | 60091234 | C>T | 0 | 0.57 | 0 | 0.4333333 |
| 27 | 17 | 60451765 | C>T | 0 | 0.4 | 0 | 0 |
| 28 | 17 | 60661697 | C>T | 0 | 0.666666667 | 0 | 1 |
| 29 | 17 | 60716627 | C>T | 0 | 0.391666667 | 0 | 0 |
| 30 | 17 | 61114996 | A>G | 0 | 0.333333333 | 0 | 0 |
| 31 | 17 | 61254060 | A>G | 0 | 0 | 0 | 0 |
| 32 | 17 | 61262679 | T>C | 0 | 0.361666667 | 0 | 0 |
| 33 | 17 | 61379607 | C>A | 0 | 0.313333333 | 0 | 0 |
| 34 | 17 | 61380568 | T>C | 0 | 0 | 0 | 0 |
| 35 | 17 | 61380570 | T>A | 0 | 0 | 0 | 0 |
| 36 | 17 | 61380836 | C>G | 0 | 0 | 0.481666667 | 0.4066667 |
| 37 | 17 | 61633955 | C>T | 0 | 0.513333333 | 0 | 0 |
| 38 | 17 | 61633982 | C>T | 0 | 0.43 | 0 | 0 |
| 39 | 17 | 61767065 | T>A | 0 | 0 | 0 | 0 |
| 40 | 17 | 61861180 | C>T | 0 | 0.391666667 | 0 | 0.3033333 |
| 41 | 17 | 61879066 | T>C | 0 | 0 | 0 | 0 |
| 42 | 17 | 61913649 | C>T | 0 | 0.476666667 | 0 | 0 |
| 43 | 17 | 62179388 | T>C | 0 | 0.4 | 0 | 0 |
| 44 | 17 | 62186416 | A>G | 0 | 0 | 0 | 0.36 |
| 45 | 17 | 62194623 | C>T | 0 | 0.346666667 | 0 | 0 |
| 46 | 17 | 62205661 | G>A | 0 | 0 | 0 | 0 |
| 47 | 17 | 62497400 | T>A | 0 | 0 | 0 | 0 |
| 48 | 17 | 62518044 | G>A | 0 | 0.416666667 | 0 | 0 |
| 49 | 17 | 62605822 | C>T | 0 | 0.606666667 | 0 | 0 |
| 50 | 17 | 63022974 | A>G | 0 | 0 | 0 | 0 |
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| 1 | 17 | 63024280 | C>G | 0 | 0.356666667 | 0 | 0 |
| 2 | 17 | 63537248 | C>G | 0 | 0 | 0 | 0.4166667 |
| 3 | 17 | 63537250 | A>C | 0 | 0 | 0 | 0.43 |
| 4 | 17 | 63633009 | A>C | 0 | 0 | 0 | 0.4633333 |
| 5 | 17 | 63740450 | T>C | 0 | 0.37 | 0 | 0 |
| 6 | 17 | 63782964 | T>A | 0 | 0 | 0.391666667 | 0 |
| 7 | 17 | 63900075 | T>C | 0 | 0 | 0.333333333 | 0 |
| 8 | 17 | 63900166 | C>T | 0 | 0 | 0 | 0 |
| 9 | 17 | 63901642 | C>T | 0 | 0.416666667 | 0 | 0.3933333 |
| 10 | 17 | 64077831 | A>G | 0 | 0 | 0 | 0.5366667 |
| 11 | 17 | 64126690 | A>G | 0 | 0.361666667 | 0 | 0.37 |
| 12 | 17 | 64162754 | A>G | 0 | 0.385 | 0 | 0 |
| 13 | 17 | 64166859 | T>C | 0 | 0.606666667 | 0 | 0 |
| 14 | 17 | 64214616 | G>A | 0 | 0.391666667 | 0 | 0 |
| 15 | 17 | 64316129 | G>C | 0 | 0.448333333 | 0 | 0 |
| 16 | 17 | 64348751 | A>G | 0 | 0.521666667 | 0 | 0 |
| 17 | 17 | 64352109 | T>C | 0 | 0 | 0 | 0 |
| 18 | 17 | 64352110 | G>A | 0 | 0 | 0 | 0 |
| 19 | 17 | 64513365 | A>G | 0 | 0 | 0 | 0.46 |
| 20 | 17 | 64527113 | C>T | 0 | 0.455 | 0 | 0 |
| 21 | 17 | 64540991 | A>G | 0 | 0 | 0 | 0.5566667 |
| 22 | 17 | 64614355 | T>C | 0 | 0 | 0 | 0.37 |
| 23 | 17 | 64690436 | C>T | 0 | 0 | 0 | 0 |
| 24 | 17 | 64789504 | C>T | 0 | 0.37 | 0 | 0 |
| 25 | 17 | 64863022 | C>A | 0 | 0 | 0 | 0.7833333 |
| 26 | 17 | 65231552 | C>T | 0 | 0.555 | 0 | 0 |
| 27 | 17 | 65337478 | A>G | 0 | 0 | 0 | 0 |
| 28 | 17 | 65361184 | T>C | 0 | 0.361666667 | 0 | 0 |
| 29 | 17 | 65455421 | A>C | 0 | 0.378333333 | 0 | 0 |
| 30 | 17 | 65477110 | A>G | 0 | 0.463333333 | 0 | 0 |
| 31 | 17 | 65501805 | C>A | 0 | 0 | 0 | 0.5133333 |
| 32 | 17 | 65533908 | G>A | 0 | 0.583333333 | 0 | 0 |
| 33 | 17 | 65540141 | G>A | 0 | 0 | 0 | 0 |
| 34 | 17 | 65594844 | A>T | 0 | 0.416666667 | 0 | 0 |
| 35 | 17 | 65623198 | A>G | 0 | 0 | 0 | 0.3933333 |
| 36 | 17 | 65626548 | C>A | 0 | 0 | 0.313333333 | 0.45 |
| 37 | 17 | 65628787 | C>G | 0 | 0.455 | 0 | 0 |
| 38 | 17 | 65683285 | T>C | 0 | 0 | 0 | 0 |
| 39 | 17 | 65840936 | C>T | 0 | 0.625 | 0 | 0 |
| 40 | 17 | 65884431 | T>G | 0 | 0.46 | 0 | 0 |
| 41 | 17 | 65930747 | A>T | 0 | 0 | 0 | 0.58 |
| 42 | 17 | 65941878 | C>T | 0 | 0 | 0 | 0 |
| 43 | 17 | 65969421 | T>C | 0 | 0.438333333 | 0 | 0 |
| 44 | 17 | 66035489 | G>A | 0 | 0.333333333 | 0 | 0 |
| 45 | 17 | 66275036 | T>C | 0 | 0 | 0 | 0.3566667 |
| 46 | 17 | 66332282 | T>C | 0 | 0 | 0 | 0 |
| 47 | 17 | 66346742 | C>T | 0 | 0.351666667 | 0 | 0 |
| 48 | 17 | 66449828 | T>C | 0 | 0 | 0 | 0 |
| 49 | 17 | 66518907 | A>G | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 17 | 66570044 | T>C | 0 | 0 | 0 | 0 |
| 3 | 17 | 67036068 | C>T | 0 | 0.391666667 | 0 | 0 |
| 4 | 17 | 67054763 | A>G | 0 | 0.385 | 0 | 0 |
| 5 | 17 | 67491647 | A>G | 0 | 0.313333333 | 0 | 0.3433333 |
| 6 | 17 | 67508033 | G>T | 0 | 0.396666667 | 0 | 0.64 |
| 7 | 17 | 68172820 | A>C | 0 | 0 | 0 | 0 |
| 8 | 17 | 70774171 | A>G | 0 | 0 | 0 | 0.4866667 |
| 9 | 17 | 70906170 | T>C | 0 | 0.376666667 | 0 | 0 |
| 10 | 17 | 70930577 | A>G | 0 | 0.476666667 | 0 | 0 |
| 11 | 17 | 71016997 | C>T | 0 | 0 | 0 | 0.5933333 |
| 12 | 17 | 71217123 | C>T | 0 | 0.555 | 0 | 0 |
| 13 | 17 | 71360981 | G>C | 0 | 0 | 0 | 0 |
| 14 | 17 | 71467519 | T>C | 0 | 0.378333333 | 0 | 0.3133333 |
| 15 | 17 | 72298467 | G>A | 0 | 0.476666667 | 0 | 0 |
| 16 | 17 | 72355763 | A>G | 0 | 0 | 0 | 0 |
| 17 | 17 | 72355791 | T>G | 0 | 0.416666667 | 0 | 0 |
| 18 | 17 | 72925582 | G>A | 0 | 0 | 0 | 0 |
| 19 | 17 | 72931921 | G>A | 0 | 0 | 0 | 0 |
| 20 | 17 | 72990955 | A>G | 0 | 0 | 0 | 0.5133333 |
| 21 | 17 | 72993346 | A>G | 0 | 0.333333333 | 0 | 0 |
| 22 | 17 | 73100825 | G>A | 0 | 0.476666667 | 0 | 0 |
| 23 | 17 | 73139836 | A>C | 0 | 0.32 | 0 | 0.3933333 |
| 24 | 17 | 73168680 | G>A | 0 | 0.416666667 | 0 | 0 |
| 25 | 17 | 73335787 | C>A | 0 | 0.416666667 | 0 | 0.4033333 |
| 26 | 17 | 73345811 | A>G | 0 | 0 | 0 | 0.3866667 |
| 27 | 17 | 73586317 | C>T | 0 | 0.951666667 | 0 | 0.91 |
| 28 | 17 | 73608551 | T>C | 0 | 0.476666667 | 0 | 0 |
| 29 | 17 | 73722980 | T>C | 0 | 0 | 0.321666667 | 0 |
| 30 | 17 | 73740311 | G>C | 0 | 0 | 0.325 | 0 |
| 31 | 17 | 73748108 | C>T | 0 | 0 | 0 | 0 |
| 32 | 17 | 73797023 | C>T | 0 | 0 | 0 | 0 |
| 33 | 17 | 73799382 | C>G | 0 | 0.5 | 0 | 0 |
| 34 | 17 | 73899424 | A>T | 0 | 0 | 0 | 0 |
| 35 | 17 | 73907871 | T>C | 0 | 0.5 | 0 | 0 |
| 36 | 17 | 73932043 | A>G | 0 | 0.455 | 0 | 0.4166667 |
| 37 | 17 | 73943219 | A>G | 0 | 0.435 | 0 | 0 |
| 38 | 17 | 73967115 | A>G | 0 | 0 | 0 | 0.37 |
| 39 | 17 | 74060870 | T>C | 0 | 0.351666667 | 0 | 0 |
| 40 | 17 | 74182796 | A>G | 0 | 0 | 0 | 0 |
| 41 | 17 | 74183465 | T>C | 0 | 0 | 0 | 0.4266667 |
| 42 | 17 | 74323457 | C>T | 0 | 0.476666667 | 0 | 0 |
| 43 | 17 | 74402928 | C>T | 0 | 0.391666667 | 0 | 0 |
| 44 | 17 | 74439634 | A>G | 0 | 0 | 0 | 0.3566667 |
| 45 | 17 | 74772233 | A>G | 0 | 0 | 0 | 0.6666667 |
| 46 | 17 | 75197828 | G>A | 0 | 0.333333333 | 0 | 0 |
| 47 | 17 | 76097708 | G>A | 0 | 0.333333333 | 0 | 0.7133333 |
| 48 | 17 | 76173836 | C>T | 0 | 0 | 0 | 0.4533333 |
| 49 | 17 | 76231117 | T>C | 0 | 0 | 0 | 0 |
| 50 | 17 | 76269540 | C>T | 0 | 0 | 0 | 0.6466667 |
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| 1 | | | | | | | |
| 2 | 17 | 76385871 | G>A | 0 | 0 | 0 | 0 |
| 3 | 17 | 76432723 | T>C | 0 | 0.416666667 | 0 | 0 |
| 4 | 17 | 76482347 | T>C | 0 | 0 | 0 | 0 |
| 5 | 17 | 76482376 | C>T | 0 | 0 | 0 | 0 |
| 6 | 17 | 76539738 | A>C | 0 | 0 | 0 | 0 |
| 7 | 17 | 76566667 | C>A | 0 | 0.333333333 | 0 | 0 |
| 8 | 17 | 76696738 | C>T | 0 | 0 | 0 | 0.31333333 |
| 9 | 17 | 76748704 | A>G | 0 | 0.32 | 0 | 0 |
| 10 | 17 | 76751490 | C>T | 0 | 0.316666667 | 0 | 0 |
| 11 | 17 | 77234144 | A>G | 0 | 0 | 0 | 0 |
| 12 | 17 | 77241928 | C>T | 0 | 0 | 0 | 0 |
| 13 | 17 | 77375975 | C>G | 0 | 0 | 0 | 0 |
| 14 | 17 | 77935403 | A>G | 0 | 0.32 | 0 | 0.39333333 |
| 15 | 17 | 77942938 | T>C | 0 | 0.5 | 0 | 0 |
| 16 | 17 | 78206940 | G>T | 0 | 0 | 0 | 0 |
| 17 | 17 | 78254521 | A>T | 0 | 0 | 0 | 0 |
| 18 | 17 | 78285724 | C>T | 0 | 0.308333333 | 0 | 0 |
| 19 | 17 | 78313827 | T>A | 0 | 0 | 0 | 0 |
| 20 | 17 | 78738308 | C>T | 0 | 0 | 0 | 0 |
| 21 | 17 | 78808183 | C>T | 0 | 0.351666667 | 0 | 0 |
| 22 | 17 | 79082774 | C>T | 0 | 0 | 0 | 0 |
| 23 | 17 | 79082812 | G>A | 0 | 0 | 0 | 0 |
| 24 | 17 | 79420337 | T>G | 0 | 0 | 0 | 0 |
| 25 | 17 | 79589789 | G>C | 0 | 0 | 0 | 0 |
| 26 | 17 | 79808628 | A>G | 0 | 0.448333333 | 0 | 0 |
| 27 | 17 | 79816679 | G>A | 0 | 0 | 0 | 0 |
| 28 | 17 | 79855103 | T>C | 0 | 0.463333333 | 0 | 0 |
| 29 | 17 | 79899002 | G>T | 0 | 0 | 0 | 0 |
| 30 | 17 | 80018146 | G>A | 0 | 0.5 | 0 | 0 |
| 31 | 17 | 80157107 | G>A | 0 | 0.431666667 | 0 | 0.72 |
| 32 | 17 | 80160494 | C>T | 0 | 0 | 0 | 0 |
| 33 | 17 | 80388013 | G>A | 0 | 0 | 0 | 0 |
| 34 | 17 | 80504696 | G>T | 0 | 0 | 0 | 0.4166667 |
| 35 | 17 | 80520205 | C>T | 0 | 0 | 0 | 0 |
| 36 | 17 | 80539706 | A>G | 0 | 0 | 0.356666667 | 0 |
| 37 | 17 | 80706928 | G>A | 0 | 0 | 0 | 0 |
| 38 | 17 | 80910606 | T>C | 0 | 0.493333333 | 0 | 0 |
| 39 | 17 | 81044963 | G>A | 0 | 0.476666667 | 0 | 0 |
| 40 | 18 | 165098 | A>G | 0 | 0 | 0 | 0 |
| 41 | 18 | 188712 | G>C | 0 | 0.303333333 | 0 | 0.6266667 |
| 42 | 18 | 221743 | A>G | 0 | 0 | 0 | 0.35 |
| 43 | 18 | 368388 | T>C | 0 | 0.416666667 | 0 | 0 |
| 44 | 18 | 482715 | G>A | 0 | 0 | 0 | 0 |
| 45 | 18 | 701812 | C>T | 0 | 0 | 0 | 0 |
| 46 | 18 | 747252 | T>C | 0 | 0.333333333 | 0 | 0 |
| 47 | 18 | 749330 | C>T | 0 | 0 | 0 | 0 |
| 48 | 18 | 752376 | C>T | 0 | 0 | 0 | 0 |
| 49 | 18 | 752388 | A>G | 0 | 0.416666667 | 0 | 0 |
| 50 | 18 | 791866 | A>G | 0 | 0.938333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 18 | 2861603 | T>A | 0 | 0.555 | 0 | 0 |
| 3 | 18 | 2877645 | C>A | 0 | 0.445 | 0 | 0 |
| 4 | 18 | 2877646 | T>C | 0 | 0.445 | 0 | 0 |
| 5 | 18 | 3009277 | G>A | 0 | 0 | 0 | 0.4766667 |
| 6 | 18 | 3009289 | C>T | 0 | 0 | 0 | 0 |
| 7 | 18 | 3009290 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 8 | 18 | 3145084 | G>A | 0 | 0 | 0 | 0.33333333 |
| 9 | 18 | 3160405 | C>A | 0 | 0.3333333333 | 0 | 0 |
| 10 | 18 | 3575003 | G>A | 0 | 0.555 | 0 | 0 |
| 11 | 18 | 3744662 | T>C | 0 | 0.3333333333 | 0 | 0 |
| 12 | 18 | 3862633 | T>C | 0 | 0 | 0 | 0 |
| 13 | 18 | 3879816 | A>T | 0 | 0 | 0 | 0 |
| 14 | 18 | 5969635 | G>A | 0 | 0.666666667 | 0 | 0 |
| 15 | 18 | 6041980 | C>T | 0 | 0.5 | 0 | 0 |
| 16 | 18 | 6151607 | A>T | 0 | 0.476666667 | 0 | 0 |
| 17 | 18 | 6245794 | A>T | 0 | 0.77 | 0 | 0 |
| 18 | 18 | 6268159 | T>C | 0 | 0 | 0 | 0 |
| 19 | 18 | 6394265 | G>A | 0 | 0.625 | 0 | 0 |
| 20 | 18 | 6864315 | G>A | 0 | 0 | 0 | 0 |
| 21 | 18 | 7108419 | G>T | 0 | 0.385 | 0 | 0 |
| 22 | 18 | 7737077 | T>C | 0 | 0.445 | 0 | 0 |
| 23 | 18 | 7737327 | C>T | 0 | 0 | 0 | 0 |
| 24 | 18 | 8118618 | C>T | 0 | 0.346666667 | 0 | 0 |
| 25 | 18 | 8236746 | C>G | 0 | 0.555 | 0 | 0 |
| 26 | 18 | 8272007 | T>C | 0 | 0.445 | 0 | 0 |
| 27 | 18 | 8294013 | C>T | 0 | 0.476666667 | 0 | 0 |
| 28 | 18 | 9161512 | C>T | 0 | 0.37 | 0 | 0.5266667 |
| 29 | 18 | 9164446 | T>G | 0 | 0 | 0 | 0 |
| 30 | 18 | 9169515 | C>A | 0 | 0 | 0 | 0.6666667 |
| 31 | 18 | 9173336 | A>G | 0 | 0.5133333333 | 0 | 0.44333333 |
| 32 | 18 | 9233079 | G>A | 0 | 0 | 0 | 0 |
| 33 | 18 | 9269349 | A>G | 0 | 0 | 0 | 0.6166667 |
| 34 | 18 | 9384781 | C>T | 0 | 0 | 0 | 0 |
| 35 | 18 | 9554303 | C>T | 0 | 0 | 0 | 0.64 |
| 36 | 18 | 9561015 | T>A | 0 | 0.5 | 0 | 0 |
| 37 | 18 | 9748781 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 38 | 18 | 10967229 | T>A | 0 | 0.385 | 0 | 0 |
| 39 | 18 | 11060226 | G>A | 0 | 0.416666667 | 0 | 0 |
| 40 | 18 | 11812580 | C>T | 0 | 0 | 0 | 0 |
| 41 | 18 | 11884833 | G>C | 0 | 0 | 0 | 0 |
| 42 | 18 | 11906653 | A>G | 0 | 0.316666667 | 0 | 0 |
| 43 | 18 | 12311403 | T>C | 0 | 0.416666667 | 0 | 0 |
| 44 | 18 | 12330552 | G>A | 0 | 0 | 0 | 0 |
| 45 | 18 | 12359477 | A>C | 0 | 0 | 0.3333333333 | 0 |
| 46 | 18 | 12493594 | T>C | 0 | 0 | 0 | 0 |
| 47 | 18 | 12560821 | T>C | 0 | 0.385 | 0 | 0 |
| 48 | 18 | 12627613 | C>A | 0 | 0 | 0 | 0.5866667 |
| 49 | 18 | 12692069 | T>C | 0 | 0.476666667 | 0 | 0.5566667 |
| 50 | 18 | 12693680 | A>G | 0 | 0.37 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | 18 | 12870710 | G>A | 0 | 0 | 0 | 0.4166667 |
| 2 | 18 | 12873105 | T>A | 0 | 0.316666667 | 0 | 0.5966667 |
| 3 | 18 | 12949699 | A>G | 0 | 0.351666667 | 0 | 0 |
| 4 | 18 | 13063656 | T>G | 0 | 0.476666667 | 0 | 0 |
| 5 | 18 | 13078353 | C>T | 0 | 0.416666667 | 0 | 0 |
| 6 | 18 | 13078446 | A>C | 0 | 0.49 | 0 | 0 |
| 7 | 18 | 13078580 | C>T | 0 | 0.513333333 | 0 | 0 |
| 8 | 18 | 13104530 | G>C | 0 | 0.606666667 | 0 | 0 |
| 9 | 18 | 13346089 | C>T | 0 | 0 | 0.391666667 | 0 |
| 10 | 18 | 13346267 | T>G | 0 | 0 | 0 | 0 |
| 11 | 18 | 13386612 | T>G | 0 | 0.333333333 | 0 | 0.5566667 |
| 12 | 18 | 13599751 | T>A | 0 | 0.416666667 | 0 | 0.8333333 |
| 13 | 18 | 13694436 | A>G | 0 | 0.833333333 | 0 | 0.5566667 |
| 14 | 18 | 13751389 | A>G | 0 | 0 | 0 | 0 |
| 15 | 18 | 18591695 | A>G | 0 | 0.445 | 0.313333333 | 0.89 |
| 16 | 18 | 18834144 | T>C | 0 | 0 | 0 | 0.3333333 |
| 17 | 18 | 18918929 | T>C | 0 | 0.32 | 0 | 0 |
| 18 | 18 | 19134795 | A>G | 0 | 0.37 | 0 | 0 |
| 19 | 18 | 19174581 | T>C | 0 | 0.323333333 | 0 | 0 |
| 20 | 18 | 19193614 | G>A | 0 | 0 | 0 | 0 |
| 21 | 18 | 19201454 | C>T | 0 | 0.303333333 | 0 | 0 |
| 22 | 18 | 19347595 | G>A | 0 | 0.555 | 0 | 0 |
| 23 | 18 | 19349948 | T>C | 0 | 0 | 0 | 0 |
| 24 | 18 | 19353069 | C>A | 0 | 0.378333333 | 0 | 0 |
| 25 | 18 | 19411438 | G>A | 0 | 0 | 0 | 0 |
| 26 | 18 | 20587987 | A>G | 0 | 0.361666667 | 0 | 0 |
| 27 | 18 | 20806208 | T>A | 0 | 0 | 0 | 0.3166667 |
| 28 | 18 | 20897917 | A>G | 0 | 0 | 0 | 0 |
| 29 | 18 | 20908750 | C>T | 0 | 0 | 0 | 0 |
| 30 | 18 | 20980395 | T>C | 0 | 0 | 0 | 0.36 |
| 31 | 18 | 21093198 | G>A | 0 | 0.391666667 | 0 | 0.7033333 |
| 32 | 18 | 21105526 | T>C | 0 | 0.303333333 | 0 | 0 |
| 33 | 18 | 21105561 | G>C | 0 | 0.333333333 | 0 | 0 |
| 34 | 18 | 21155964 | A>G | 0 | 0 | 0 | 0.7933333 |
| 35 | 18 | 21182093 | T>C | 0 | 0.595 | 0 | 0 |
| 36 | 18 | 21213702 | G>T | 0 | 0.513333333 | 0 | 0 |
| 37 | 18 | 21308766 | A>G | 0 | 0 | 0 | 0.5066667 |
| 38 | 18 | 21528750 | C>T | 0 | 0 | 0 | 0 |
| 39 | 18 | 21673219 | A>G | 0 | 0 | 0 | 0 |
| 40 | 18 | 21686754 | G>T | 0 | 0.513333333 | 0 | 0 |
| 41 | 18 | 21702311 | C>A | 0 | 0 | 0 | 0 |
| 42 | 18 | 21711447 | T>C | 0 | 0.303333333 | 0 | 0 |
| 43 | 18 | 21778020 | G>A | 0 | 0.356666667 | 0 | 0 |
| 44 | 18 | 21780279 | A>G | 0 | 0.606666667 | 0 | 0.3033333 |
| 45 | 18 | 21780293 | T>C | 0 | 0.555 | 0 | 0 |
| 46 | 18 | 21952766 | A>G | 0 | 0 | 0 | 0 |
| 47 | 18 | 22658112 | C>T | 0 | 0 | 0 | 0 |
| 48 | 18 | 22743533 | T>C | 0 | 0 | 0 | 0 |
| 49 | 18 | 22874603 | A>G | 0 | 0.303333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 18 | 23820427 | G>A | 0 | 0 | 0 | 0 |
| 3 | 18 | 23822461 | C>T | 0 | 0 | 0 | 0.98 |
| 4 | 18 | 23961465 | C>T | 0 | 0.316666667 | 0 | 0 |
| 5 | 18 | 24086877 | T>C | 0 | 0 | 0 | 0 |
| 6 | 18 | 24608734 | A>G | 0 | 0.37 | 0 | 0.32333333 |
| 7 | 18 | 29117560 | T>C | 0 | 0 | 0 | 0 |
| 8 | 18 | 29251427 | C>T | 0 | 0 | 0 | 0.3166667 |
| 9 | 18 | 29413767 | T>C | 0 | 0 | 0 | 0.6266667 |
| 10 | 18 | 29433275 | C>G | 0 | 0.833333333 | 0.343333333 | 0 |
| 11 | 18 | 29463932 | G>A | 0 | 0 | 0.388333333 | 0 |
| 12 | 18 | 29620453 | A>G | 0 | 0 | 0 | 0 |
| 13 | 18 | 29622923 | G>C | 0 | 0.396666667 | 0 | 0.5966667 |
| 14 | 18 | 29646985 | A>G | 0 | 0.49 | 0 | 0 |
| 15 | 18 | 29678214 | T>C | 0 | 0 | 0 | 0.4166667 |
| 16 | 18 | 29687617 | A>G | 0 | 0.833333333 | 0 | 0 |
| 17 | 18 | 29692446 | C>T | 0 | 0.303333333 | 0 | 0.5 |
| 18 | 18 | 29867501 | T>G | 0 | 0 | 0 | 0 |
| 19 | 18 | 29960188 | T>C | 0 | 0.333333333 | 0 | 0 |
| 20 | 18 | 29977602 | T>C | 0 | 0.445 | 0 | 0.5566667 |
| 21 | 18 | 29977985 | G>A | 0 | 0.313333333 | 0 | 0 |
| 22 | 18 | 29980464 | C>A | 0 | 0 | 0 | 0 |
| 23 | 18 | 29980909 | A>T | 0 | 0 | 0 | 0 |
| 24 | 18 | 30646023 | T>C | 0 | 0 | 0 | 0.5333333 |
| 25 | 18 | 30744325 | A>G | 0 | 0.526666667 | 0 | 0 |
| 26 | 18 | 30772614 | T>C | 0 | 0 | 0.428333333 | 0 |
| 27 | 18 | 31289945 | T>C | 0 | 0 | 0 | 0 |
| 28 | 18 | 31470064 | T>C | 0 | 0.463333333 | 0 | 0.4433333 |
| 29 | 18 | 31520378 | A>G | 0 | 0.333333333 | 0 | 0 |
| 30 | 18 | 31552045 | T>A | 0 | 0.625 | 0 | 0 |
| 31 | 18 | 31616691 | T>C | 0 | 0 | 0 | 0.6666667 |
| 32 | 18 | 32411646 | A>C | 0 | 0 | 0 | 0.4333333 |
| 33 | 18 | 33596372 | A>G | 0 | 0 | 0 | 0 |
| 34 | 18 | 33749515 | T>A | 0 | 0 | 0 | 0.5566667 |
| 35 | 18 | 33805390 | A>G | 0 | 0 | 0 | 0.36 |
| 36 | 18 | 33898522 | A>T | 0 | 0 | 0.303333333 | 0 |
| 37 | 18 | 33898752 | T>C | 0 | 0 | 0.476666667 | 0 |
| 38 | 18 | 33899050 | C>T | 0 | 0 | 0 | 0.3333333 |
| 39 | 18 | 34403703 | G>A | 0 | 0.555 | 0 | 0 |
| 40 | 18 | 34405192 | G>A | 0 | 0.333333333 | 0 | 0 |
| 41 | 18 | 34736199 | A>G | 0 | 0 | 0 | 0 |
| 42 | 18 | 34794721 | A>G | 0 | 0 | 0.476666667 | 0 |
| 43 | 18 | 34897190 | T>A | 0 | 0 | 0 | 0.52 |
| 44 | 18 | 34900019 | A>G | 0 | 0 | 0 | 0 |
| 45 | 18 | 40664508 | A>T | 0 | 0 | 0 | 0.3033333 |
| 46 | 18 | 42508524 | A>G | 0 | 0.351666667 | 0 | 0 |
| 47 | 18 | 42509989 | A>G | 0 | 0.5 | 0 | 0.5566667 |
| 48 | 18 | 43237188 | A>G | 0 | 0.445 | 0 | 0.74 |
| 49 | 18 | 43703045 | T>C | 0 | 0 | 0 | 0.3833333 |
| 50 | 18 | 43765772 | A>G | 0 | 0.476666667 | 0 | 0.6666667 |
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| 1 | | | | | | | |
| 2 | 18 | 44008287 | G>A | 0 | 0.5 | 0 | 0 |
| 3 | 18 | 44035610 | A>G | 0 | 0.316666667 | 0 | 0 |
| 4 | 18 | 44084335 | C>T | 0 | 0.416666667 | 0 | 0 |
| 5 | 18 | 44326352 | C>G | 0 | 0 | 0 | 0 |
| 6 | 18 | 44569395 | G>A | 0 | 0.695 | 0 | 0 |
| 7 | 18 | 44753922 | A>G | 0 | 0 | 0 | 0.34333333 |
| 8 | 18 | 46289424 | G>C | 0 | 0 | 0 | 0 |
| 9 | 18 | 46351282 | A>G | 0 | 0 | 0.455 | 0 |
| 10 | 18 | 46471659 | C>T | 0 | 0.4 | 0 | 0 |
| 11 | 18 | 46760235 | A>G | 0 | 0.73 | 0 | 0 |
| 12 | 18 | 46826151 | C>T | 0 | 0.37 | 0 | 0 |
| 13 | 18 | 46877713 | T>C | 0 | 0.49 | 0 | 0 |
| 14 | 18 | 46949915 | G>A | 0 | 0 | 0 | 0.71333333 |
| 15 | 18 | 46954251 | C>A | 0 | 0 | 0 | 0.4766667 |
| 16 | 18 | 47330500 | T>C | 0 | 0 | 0 | 0.39333333 |
| 17 | 18 | 47361229 | T>C | 0 | 0 | 0 | 0.31333333 |
| 18 | 18 | 47710659 | T>A | 0 | 0 | 0 | 0 |
| 19 | 18 | 47710697 | C>A | 0 | 0 | 0 | 0 |
| 20 | 18 | 47761818 | C>T | 0 | 0 | 0 | 0.44333333 |
| 21 | 18 | 48338241 | T>A | 0 | 0 | 0 | 0 |
| 22 | 18 | 48410020 | A>G | 0 | 0 | 0.47 | 0.45333333 |
| 23 | 18 | 48453809 | G>A | 0 | 0 | 0 | 0 |
| 24 | 18 | 50817452 | T>C | 0 | 0.391666667 | 0 | 0 |
| 25 | 18 | 52611232 | T>C | 0 | 0 | 0.401666667 | 0 |
| 26 | 18 | 53098754 | G>A | 0 | 0.476666667 | 0 | 0 |
| 27 | 18 | 53725715 | A>G | 0 | 0.5 | 0 | 0 |
| 28 | 18 | 54490592 | T>C | 0 | 0.391666667 | 0 | 0 |
| 29 | 18 | 54584181 | T>C | 0 | 0.416666667 | 0 | 0 |
| 30 | 18 | 55225936 | A>G | 0 | 0 | 0.333333333 | 0.4166667 |
| 31 | 18 | 55355211 | T>C | 0 | 0 | 0 | 0 |
| 32 | 18 | 55355212 | G>A | 0 | 0 | 0 | 0 |
| 33 | 18 | 55414586 | A>G | 0 | 0 | 0 | 0.40333333 |
| 34 | 18 | 55441724 | T>G | 0 | 0 | 0 | 0 |
| 35 | 18 | 55725464 | A>G | 0 | 0 | 0 | 0.46333333 |
| 36 | 18 | 55754844 | T>C | 0 | 0.476666667 | 0 | 0 |
| 37 | 18 | 56273526 | T>G | 0 | 0.416666667 | 0 | 0 |
| 38 | 18 | 56294651 | A>G | 0 | 0 | 0 | 0.40333333 |
| 39 | 18 | 56404336 | G>A | 0 | 0.666666667 | 0 | 0 |
| 40 | 18 | 57143202 | T>C | 0 | 0.391666667 | 0 | 0 |
| 41 | 18 | 57177853 | C>T | 0 | 0.333333333 | 0 | 0 |
| 42 | 18 | 59769259 | A>G | 0 | 0.303333333 | 0 | 0 |
| 43 | 18 | 59870661 | C>G | 0 | 0 | 0 | 0.92 |
| 44 | 18 | 60396849 | C>A | 0 | 0.385 | 0 | 0 |
| 45 | 18 | 60518960 | A>G | 0 | 0.833333333 | 0 | 0 |
| 46 | 18 | 60518972 | G>A | 0 | 0 | 0 | 0 |
| 47 | 18 | 60916696 | C>T | 0 | 0.356666667 | 0 | 0.6066667 |
| 48 | 18 | 60973206 | A>G | 0 | 0.455 | 0 | 0 |
| 49 | 18 | 61019815 | T>C | 0 | 0.455 | 0 | 0 |
| 50 | 18 | 67198199 | A>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 18 | 67356011 | A>G | 0 | 0.333333333 | 0 | 0 |
| 3 | 18 | 67761532 | G>T | 0 | 0.5 | 0 | 0 |
| 4 | 18 | 67766523 | G>A | 0 | 0.316666667 | 0 | 0 |
| 5 | 18 | 71772966 | A>C | 0 | 0.303333333 | 0 | 0 |
| 6 | 18 | 72109863 | C>T | 0 | 0 | 0 | 0 |
| 7 | 18 | 72520216 | G>C | 0 | 0.476666667 | 0 | 0.3866667 |
| 8 | 18 | 72520217 | G>A | 0 | 0.476666667 | 0 | 0 |
| 9 | 18 | 74089867 | C>T | 0 | 0.555 | 0 | 0 |
| 10 | 18 | 74572109 | G>T | 0 | 0 | 0 | 0 |
| 11 | 18 | 74598722 | C>T | 0 | 0 | 0 | 0 |
| 12 | 18 | 74656532 | A>T | 0 | 0.521666667 | 0 | 0 |
| 13 | 18 | 77048849 | T>G | 0 | 0.666666667 | 0 | 0 |
| 14 | 18 | 77061406 | T>C | 0 | 0 | 0 | 0 |
| 15 | 18 | 77092321 | T>C | 0 | 0 | 0 | 0 |
| 16 | 18 | 77129839 | T>C | 0 | 0.606666667 | 0 | 0.3233333 |
| 17 | 18 | 77427743 | T>C | 0 | 0 | 0 | 0.74 |
| 18 | 18 | 77994861 | G>T | 0 | 0 | 0 | 0 |
| 19 | 18 | 77996140 | T>C | 0 | 0 | 0 | 0.72 |
| 20 | 19 | 314871 | G>C | 0 | 0.416666667 | 0 | 0 |
| 21 | 19 | 314880 | A>T | 0 | 0.455 | 0 | 0 |
| 22 | 19 | 593535 | A>G | 0 | 0.351666667 | 0 | 0 |
| 23 | 19 | 728820 | A>G | 0 | 0 | 0 | 0 |
| 24 | 19 | 732490 | T>G | 0 | 0.37 | 0 | 0 |
| 25 | 19 | 936698 | C>T | 0 | 0 | 0 | 0 |
| 26 | 19 | 1005230 | C>T | 0 | 0 | 0 | 0 |
| 27 | 19 | 1032799 | T>A | 0 | 0.455 | 0 | 0 |
| 28 | 19 | 1084906 | T>C | 0 | 0.365 | 0 | 0 |
| 29 | 19 | 1374429 | G>A | 0 | 0 | 0 | 0 |
| 30 | 19 | 1463103 | T>C | 0 | 0.316666667 | 0 | 0 |
| 31 | 19 | 1484600 | G>T | 0 | 0.416666667 | 0 | 0 |
| 32 | 19 | 1495599 | T>C | 0 | 0 | 0 | 0 |
| 33 | 19 | 1562411 | T>C | 0 | 0.323333333 | 0.325 | 0.6 |
| 34 | 19 | 1581957 | A>G | 0 | 0 | 0 | 0.3333333 |
| 35 | 19 | 1582045 | C>T | 0 | 0.391666667 | 0 | 0 |
| 36 | 19 | 1971894 | G>A | 0 | 0 | 0 | 0 |
| 37 | 19 | 2117945 | C>G | 0 | 0 | 0 | 0 |
| 38 | 19 | 2175570 | A>G | 0 | 0 | 0 | 0.5333333 |
| 39 | 19 | 2272264 | G>A | 0 | 0 | 0 | 0.6266667 |
| 40 | 19 | 2411734 | A>G | 0 | 0.416666667 | 0 | 0 |
| 41 | 19 | 2595033 | G>A | 0 | 0.333333333 | 0 | 0 |
| 42 | 19 | 3021851 | T>G | 0 | 0.416666667 | 0 | 0 |
| 43 | 19 | 3060549 | C>T | 0 | 0 | 0 | 0 |
| 44 | 19 | 3142811 | G>A | 0 | 0.666666667 | 0 | 0 |
| 45 | 19 | 3378072 | A>G | 0 | 0 | 0 | 0 |
| 46 | 19 | 3406266 | G>A | 0 | 0.445 | 0 | 0 |
| 47 | 19 | 3424198 | A>G | 0 | 0.37 | 0.316666667 | 0 |
| 48 | 19 | 3575715 | G>A | 0 | 0.476666667 | 0 | 0 |
| 49 | 19 | 3616915 | A>T | 0 | 0.37 | 0 | 0 |
| 50 | 19 | 3740178 | A>C | 0 | 0.438333333 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 19 | 3741143 | C>T | 0 | 0 | 0 | 0.3833333 |
| 3 | 19 | 3744401 | T>C | 0 | 0.396666667 | 0 | 0 |
| 4 | 19 | 3756295 | G>A | 0 | 0 | 0 | 0 |
| 5 | 19 | 3905920 | T>C | 0 | 0.361666667 | 0 | 0.3433333 |
| 6 | 19 | 3919013 | C>T | 0 | 0 | 0 | 0 |
| 7 | 19 | 4018038 | A>G | 0 | 0.526666667 | 0 | 0 |
| 8 | 19 | 4056560 | T>C | 0 | 0 | 0 | 0.4433333 |
| 9 | 19 | 4311422 | G>T | 0 | 0.416666667 | 0 | 0 |
| 10 | 19 | 4348120 | A>C | 0 | 0.376666667 | 0 | 0 |
| 11 | 19 | 4349293 | G>A | 0 | 0.5 | 0 | 0 |
| 12 | 19 | 4366576 | A>G | 0 | 0 | 0 | 0 |
| 13 | 19 | 4509738 | A>G | 0 | 0 | 0.333333333 | 0 |
| 14 | 19 | 4719283 | G>T | 0 | 0 | 0 | 1 |
| 15 | 19 | 4830043 | A>G | 0 | 0.833333333 | 0 | 0 |
| 16 | 19 | 4839879 | G>A | 0 | 0 | 0.343333333 | 0.6833333 |
| 17 | 19 | 4894306 | A>G | 0 | 0 | 0 | 0.7133333 |
| 18 | 19 | 4917569 | C>G | 0 | 0 | 0 | 0.4766667 |
| 19 | 19 | 4930111 | T>C | 0 | 0.401666667 | 0 | 0 |
| 20 | 19 | 4932097 | C>T | 0 | 0.37 | 0 | 0.49 |
| 21 | 19 | 4939798 | G>A | 0 | 0 | 0.308333333 | 0.5666667 |
| 22 | 19 | 5020474 | G>A | 0 | 0 | 0 | 0 |
| 23 | 19 | 5262033 | T>C | 0 | 0.476666667 | 0 | 0.7533333 |
| 24 | 19 | 5267940 | A>G | 0 | 0.463333333 | 0 | 0.5666667 |
| 25 | 19 | 5326221 | G>A | 0 | 0 | 0 | 0.4766667 |
| 26 | 19 | 5724537 | T>C | 0 | 0.416666667 | 0 | 0 |
| 27 | 19 | 5725188 | G>A | 0 | 0.303333333 | 0 | 0.5566667 |
| 28 | 19 | 5777974 | T>C | 0 | 0.376666667 | 0 | 0.3933333 |
| 29 | 19 | 5885799 | T>C | 0 | 0.79 | 0 | 0.7566667 |
| 30 | 19 | 5900671 | G>A | 0 | 0 | 0 | 0 |
| 31 | 19 | 5942568 | G>T | 0 | 0 | 0 | 0.5133333 |
| 32 | 19 | 6034454 | T>G | 0 | 0 | 0 | 0 |
| 33 | 19 | 6053734 | G>A | 0 | 0 | 0 | 0 |
| 34 | 19 | 6090248 | A>G | 0 | 0 | 0 | 0 |
| 35 | 19 | 6266733 | T>G | 0 | 0.32 | 0 | 0.58 |
| 36 | 19 | 6428165 | T>C | 0 | 0 | 0 | 0 |
| 37 | 19 | 6444936 | T>C | 0 | 0.428333333 | 0 | 0 |
| 38 | 19 | 6497807 | G>A | 0 | 0.416666667 | 0 | 0 |
| 39 | 19 | 6691264 | C>A | 0 | 0 | 0 | 0 |
| 40 | 19 | 6702783 | C>G | 0 | 0.588333333 | 0 | 0 |
| 41 | 19 | 6705858 | C>T | 0 | 0.37 | 0 | 0 |
| 42 | 19 | 6778181 | T>C | 0 | 0.361666667 | 0 | 0 |
| 43 | 19 | 6795898 | A>G | 0 | 0 | 0 | 0 |
| 44 | 19 | 6799430 | C>T | 0 | 0.351666667 | 0 | 0 |
| 45 | 19 | 6802164 | G>A | 0 | 0 | 0 | 0.4433333 |
| 46 | 19 | 6839030 | T>C | 0 | 0.46 | 0 | 0 |
| 47 | 19 | 6839883 | C>A | 0 | 0.416666667 | 0 | 0.3033333 |
| 48 | 19 | 6922904 | C>T | 0 | 0.313333333 | 0 | 0.36 |
| 49 | 19 | 6929792 | C>A | 0 | 0.333333333 | 0 | 0 |
| 50 | 19 | 6929842 | C>T | 0 | 0.5 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 19 | 7013225 | G>A | 0 | 0.463333333 | 0 | 0 |
| 3 | 19 | 7085447 | A>T | 0 | 0.396666667 | 0.416666667 | 0 |
| 4 | 19 | 7207407 | A>G | 0 | 0 | 0 | 1 |
| 5 | 19 | 7215799 | C>T | 0 | 0 | 0 | 0 |
| 6 | 19 | 7215800 | A>G | 0 | 0 | 0 | 0 |
| 7 | 19 | 7275690 | A>T | 0 | 0.37 | 0 | 0 |
| 8 | 19 | 7551610 | C>T | 0 | 0.455 | 0 | 0 |
| 9 | 19 | 7568087 | A>G | 0 | 0 | 0 | 0 |
| 10 | 19 | 7679487 | C>G | 0 | 0.303333333 | 0 | 0 |
| 11 | 19 | 8287243 | T>A | 0 | 0 | 0 | 0.9266667 |
| 12 | 19 | 8292870 | C>T | 0 | 0 | 0 | 0 |
| 13 | 19 | 8301048 | C>T | 0 | 0 | 0 | 0 |
| 14 | 19 | 8312822 | G>T | 0 | 0 | 0 | 0.4166667 |
| 15 | 19 | 8368229 | C>G | 0 | 0 | 0 | 0 |
| 16 | 19 | 8368269 | A>G | 0 | 0.43 | 0 | 0 |
| 17 | 19 | 8395403 | G>A | 0 | 0 | 0.313333333 | 0 |
| 18 | 19 | 8496870 | A>G | 0 | 0 | 0 | 0.69 |
| 19 | 19 | 8613674 | C>T | 0 | 0 | 0.361666667 | 0 |
| 20 | 19 | 8617349 | T>C | 0 | 0 | 0.345 | 0 |
| 21 | 19 | 8633729 | T>C | 0 | 0 | 0 | 0 |
| 22 | 19 | 8638064 | G>A | 0 | 0 | 0 | 0 |
| 23 | 19 | 8926923 | T>A | 0 | 0.666666667 | 0 | 0 |
| 24 | 19 | 9023621 | C>T | 0 | 0.416666667 | 0 | 0 |
| 25 | 19 | 9027949 | A>G | 0 | 0 | 0 | 0 |
| 26 | 19 | 9037702 | A>G | 0 | 0.351666667 | 0 | 0 |
| 27 | 19 | 9040610 | A>G | 0 | 0 | 0.321666667 | 0 |
| 28 | 19 | 9264093 | T>C | 0 | 0 | 0 | 0 |
| 29 | 19 | 9534515 | C>T | 0 | 0.385 | 0 | 0 |
| 30 | 19 | 9582718 | A>G | 0 | 0 | 0 | 0 |
| 31 | 19 | 9587201 | T>C | 0 | 0 | 0 | 0 |
| 32 | 19 | 9680009 | A>C | 0 | 0.476666667 | 0 | 0 |
| 33 | 19 | 9684557 | C>T | 0 | 0 | 0 | 0 |
| 34 | 19 | 10009686 | A>G | 0 | 0.758333333 | 0 | 0.9533333 |
| 35 | 19 | 10100697 | A>G | 0 | 0.625 | 0.323333333 | 0.6066667 |
| 36 | 19 | 10275449 | T>C | 0 | 0.435 | 0 | 0 |
| 37 | 19 | 10364374 | T>G | 0 | 0.606666667 | 0 | 0 |
| 38 | 19 | 10398450 | C>T | 0 | 0 | 0 | 0 |
| 39 | 19 | 10418458 | A>C | 0 | 0.378333333 | 0 | 0 |
| 40 | 19 | 10480462 | A>G | 0 | 0.353333333 | 0 | 0.37 |
| 41 | 19 | 10510532 | T>C | 0 | 0.476666667 | 0 | 0 |
| 42 | 19 | 10545016 | C>G | 0 | 0.513333333 | 0 | 0.6066667 |
| 43 | 19 | 10551324 | A>G | 0 | 0 | 0 | 0 |
| 44 | 19 | 10769290 | A>C | 0 | 0 | 0 | 0.7566667 |
| 45 | 19 | 10779910 | G>A | 0 | 0 | 0 | 0 |
| 46 | 19 | 10893300 | A>C | 0 | 0 | 0 | 0.74 |
| 47 | 19 | 10914371 | G>T | 0 | 0 | 0 | 0 |
| 48 | 19 | 10973260 | T>C | 0 | 0.5 | 0 | 0.43 |
| 49 | 19 | 11100576 | A>G | 0 | 0.388333333 | 0 | 0.3933333 |
| 50 | 19 | 11114212 | C>T | 0 | 0.666666667 | 0 | 0 |
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|----|----------|-----|---|-------------|-------------|------------|
| 19 | 11122020 | A>C | 0 | 0.613333333 | 0 | 0 |
| 19 | 11149922 | T>C | 0 | 0 | 0 | 0 |
| 19 | 11239491 | C>G | 0 | 0.476666667 | 0 | 0 |
| 19 | 11425792 | A>G | 0 | 0 | 0 | 0 |
| 19 | 11425794 | T>C | 0 | 0 | 0 | 0 |
| 19 | 11439960 | C>G | 0 | 0 | 0 | 0 |
| 19 | 11441135 | G>A | 0 | 0.455 | 0 | 0 |
| 19 | 11443866 | T>C | 0 | 0 | 0 | 0.34333333 |
| 19 | 11447481 | T>C | 0 | 0.345 | 0 | 0 |
| 19 | 11464055 | T>C | 0 | 0.333333333 | 0 | 0.6 |
| 19 | 11475336 | C>T | 0 | 0 | 0 | 0 |
| 19 | 11630557 | C>T | 0 | 0 | 0 | 0 |
| 19 | 11638052 | A>G | 0 | 0 | 0 | 0.49 |
| 19 | 11890238 | C>G | 0 | 0.416666667 | 0 | 0 |
| 19 | 12117063 | C>T | 0 | 0 | 0 | 0 |
| 19 | 12144529 | T>C | 0 | 0.333333333 | 0 | 0 |
| 19 | 12180269 | A>G | 0 | 0 | 0 | 0 |
| 19 | 12183680 | A>G | 0 | 0 | 0 | 0.71333333 |
| 19 | 12184171 | T>A | 0 | 0.303333333 | 0 | 0 |
| 19 | 12279012 | C>T | 0 | 0 | 0 | 0.51333333 |
| 19 | 12284917 | T>A | 0 | 0.356666667 | 0 | 0.4266667 |
| 19 | 12628335 | C>A | 0 | 0 | 0 | 0.32333333 |
| 19 | 12654030 | G>C | 0 | 0.476666667 | 0 | 0 |
| 19 | 12717427 | A>G | 0 | 0.575 | 0 | 0.39333333 |
| 19 | 12729502 | G>A | 0 | 0.303333333 | 0 | 0 |
| 19 | 12733497 | G>A | 0 | 0.351666667 | 0 | 0 |
| 19 | 12769801 | C>G | 0 | 0.463333333 | 0 | 0 |
| 19 | 12801483 | T>A | 0 | 0.526666667 | 0.316666667 | 0 |
| 19 | 12956673 | C>A | 0 | 0 | 0 | 0 |
| 19 | 13036369 | G>A | 0 | 0 | 0 | 0 |
| 19 | 13082300 | T>C | 0 | 0.4 | 0 | 0 |
| 19 | 13256711 | G>A | 0 | 0.333333333 | 0 | 0 |
| 19 | 13371276 | T>C | 0 | 0.378333333 | 0 | 0 |
| 19 | 13468567 | T>C | 0 | 0.416666667 | 0.333333333 | 0 |
| 19 | 13497585 | C>T | 0 | 0.588333333 | 0 | 0.37 |
| 19 | 13565449 | C>G | 0 | 0 | 0 | 0.95333333 |
| 19 | 13600315 | C>G | 0 | 0 | 0 | 0 |
| 19 | 14008756 | G>A | 0 | 0.351666667 | 0 | 0 |
| 19 | 14015303 | A>G | 0 | 0 | 0 | 0 |
| 19 | 14015443 | C>T | 0 | 0 | 0 | 0.4166667 |
| 19 | 14040022 | A>G | 0 | 0.801666667 | 0 | 0.97333333 |
| 19 | 14140443 | A>G | 0 | 0 | 0.303333333 | 0 |
| 19 | 14155751 | G>C | 0 | 0 | 0 | 0 |
| 19 | 14199226 | C>T | 0 | 0 | 0 | 0 |
| 19 | 14500350 | G>T | 0 | 0 | 0 | 0 |
| 19 | 14553539 | C>T | 0 | 0 | 0 | 0.6166667 |
| 19 | 14651423 | T>C | 0 | 0 | 0 | 0 |
| 19 | 14660514 | A>T | 0 | 0.315 | 0 | 0.31333333 |
| 19 | 14735976 | G>A | 0 | 0 | 0 | 0 |

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| 1 | | | | | | | |
| 2 | 19 | 14758315 | G>A | 0 | 0.555 | 0 | 0 |
| 3 | 19 | 15477853 | A>G | 0 | 0 | 0 | 0.70333333 |
| 4 | 19 | 15521328 | T>C | 0 | 0 | 0 | 0 |
| 5 | 19 | 15540881 | G>A | 0 | 0 | 0 | 0 |
| 6 | 19 | 15567045 | G>A | 0 | 0 | 0 | 0 |
| 7 | 19 | 16194874 | C>T | 0 | 0.396666667 | 0 | 0 |
| 8 | 19 | 16253366 | C>T | 0 | 0 | 0 | 0 |
| 9 | 19 | 16281736 | A>T | 0 | 0.37 | 0 | 0 |
| 10 | 19 | 16558331 | G>C | 0 | 0 | 0 | 0 |
| 11 | 19 | 16598980 | G>A | 0 | 0 | 0 | 0 |
| 12 | 19 | 16616197 | C>G | 0 | 0.463333333 | 0 | 0 |
| 13 | 19 | 16634860 | T>C | 0 | 0 | 0 | 0 |
| 14 | 19 | 16635129 | G>A | 0 | 0.438333333 | 0 | 0 |
| 15 | 19 | 16637514 | A>G | 0 | 0 | 0 | 0.44 |
| 16 | 19 | 16662751 | T>C | 0 | 0 | 0 | 0 |
| 17 | 19 | 16669830 | T>C | 0 | 0.308333333 | 0 | 0 |
| 18 | 19 | 16721432 | A>C | 0 | 0 | 0 | 0.33333333 |
| 19 | 19 | 16853092 | C>A | 0 | 0 | 0 | 0.8 |
| 20 | 19 | 16922144 | T>C | 0 | 0 | 0 | 0 |
| 21 | 19 | 16946566 | A>G | 0 | 0 | 0 | 0 |
| 22 | 19 | 17083456 | A>G | 0 | 0 | 0.356666667 | 0 |
| 23 | 19 | 17117942 | A>G | 0 | 0.521666667 | 0 | 0 |
| 24 | 19 | 17125940 | G>T | 0 | 0.758333333 | 0 | 0 |
| 25 | 19 | 17179034 | C>G | 0 | 0 | 0 | 0 |
| 26 | 19 | 17247952 | T>C | 0 | 0.526666667 | 0 | 0 |
| 27 | 19 | 17300767 | G>A | 0 | 0 | 0 | 0.37 |
| 28 | 19 | 17300790 | T>C | 0 | 0.695 | 0 | 0.43333333 |
| 29 | 19 | 17318664 | G>A | 0 | 0.303333333 | 0 | 0 |
| 30 | 19 | 17395816 | A>C | 0 | 0.416666667 | 0 | 0 |
| 31 | 19 | 17427848 | G>A | 0 | 0.333333333 | 0 | 0 |
| 32 | 19 | 17470381 | C>A | 0 | 0.53 | 0 | 0 |
| 33 | 19 | 17483184 | A>C | 0 | 0 | 0 | 0.53333333 |
| 34 | 19 | 17593277 | T>C | 0 | 0.396666667 | 0 | 0 |
| 35 | 19 | 17648643 | C>T | 0 | 0 | 0 | 0.52666667 |
| 36 | 19 | 17662030 | C>G | 0 | 0 | 0 | 0 |
| 37 | 19 | 17730489 | A>G | 0 | 0.606666667 | 0 | 0 |
| 38 | 19 | 17778365 | T>C | 0 | 0.333333333 | 0 | 0 |
| 39 | 19 | 17992295 | T>C | 0 | 0.463333333 | 0 | 0 |
| 40 | 19 | 17996739 | A>G | 0 | 0 | 0 | 0 |
| 41 | 19 | 18003207 | G>C | 0 | 0.391666667 | 0 | 0 |
| 42 | 19 | 18046928 | A>G | 0 | 0 | 0 | 0.34333333 |
| 43 | 19 | 18048619 | C>T | 0 | 0.445 | 0 | 0 |
| 44 | 19 | 18286860 | T>C | 0 | 0.313333333 | 0 | 0.43 |
| 45 | 19 | 18328195 | C>T | 0 | 0.555 | 0 | 0 |
| 46 | 19 | 18454030 | G>A | 0 | 0 | 0 | 0.41666667 |
| 47 | 19 | 18502160 | C>T | 0 | 0.37 | 0 | 0 |
| 48 | 19 | 18702991 | T>G | 0 | 0 | 0 | 0 |
| 49 | 19 | 18756440 | A>G | 0 | 0 | 0 | 0 |
| 50 | 19 | 18760939 | C>T | 0 | 0 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 19 | 18838800 | C>T | 0 | 0.308333333 | 0 | 0.38 |
| 3 | 19 | 18868741 | A>T | 0 | 0.606666667 | 0 | 0 |
| 4 | 19 | 18957538 | T>G | 0 | 0 | 0 | 0.83333333 |
| 5 | 19 | 18998411 | G>A | 0 | 0.333333333 | 0 | 0 |
| 6 | 19 | 19156652 | A>G | 0 | 0.356666667 | 0 | 0.33333333 |
| 7 | 19 | 19161288 | A>G | 0 | 0.313333333 | 0 | 0 |
| 8 | 19 | 19209464 | T>A | 0 | 0.513333333 | 0 | 0 |
| 9 | 19 | 19217493 | A>G | 0 | 0.521666667 | 0 | 0 |
| 10 | 19 | 19294809 | C>A | 0 | 0 | 0 | 0.51333333 |
| 11 | 19 | 19402515 | A>G | 0 | 0 | 0 | 0.50666667 |
| 12 | 19 | 19406214 | T>C | 0 | 0 | 0 | 0.40333333 |
| 13 | 19 | 19441287 | C>T | 0 | 0.32 | 0 | 0 |
| 14 | 19 | 19460913 | A>G | 0 | 0 | 0 | 0.44333333 |
| 15 | 19 | 19553250 | T>C | 0 | 0.416666667 | 0 | 0.46666667 |
| 16 | 19 | 19628147 | C>A | 0 | 0.455 | 0 | 0 |
| 17 | 19 | 19697633 | A>G | 0 | 0.315 | 0 | 0 |
| 18 | 19 | 19705025 | A>G | 0 | 0 | 0 | 0.52666667 |
| 19 | 19 | 19720123 | C>T | 0 | 0.313333333 | 0 | 0 |
| 20 | 19 | 19722315 | C>T | 0 | 0.345 | 0 | 0 |
| 21 | 19 | 19791689 | G>A | 0 | 0 | 0 | 0.46333333 |
| 22 | 19 | 20000355 | C>A | 0 | 0 | 0 | 0 |
| 23 | 19 | 20028617 | G>A | 0 | 0.606666667 | 0 | 0 |
| 24 | 19 | 20223397 | T>C | 0 | 0.631666667 | 0 | 0 |
| 25 | 19 | 20289134 | G>C | 0 | 0 | 0 | 0.52 |
| 26 | 19 | 20815239 | T>C | 0 | 0 | 0 | 0.33333333 |
| 27 | 19 | 21118624 | A>G | 0 | 0.486666667 | 0 | 0.5 |
| 28 | 19 | 21242162 | T>C | 0 | 0.351666667 | 0 | 0 |
| 29 | 19 | 21290249 | A>T | 0 | 0 | 0 | 0.44333333 |
| 30 | 19 | 21507105 | T>C | 0 | 0 | 0.333333333 | 0 |
| 31 | 19 | 22258619 | C>T | 0 | 0.666666667 | 0 | 0 |
| 32 | 19 | 22261857 | A>G | 0 | 0 | 0.395 | 0.43 |
| 33 | 19 | 23306138 | A>G | 0 | 0 | 0 | 0.47666667 |
| 34 | 19 | 23443412 | T>C | 0 | 0.555 | 0 | 0 |
| 35 | 19 | 23553909 | A>G | 0 | 0 | 0 | 0 |
| 36 | 19 | 23866414 | A>G | 0 | 0 | 0 | 0 |
| 37 | 19 | 23972759 | C>T | 0 | 0 | 0 | 0 |
| 38 | 19 | 23972760 | A>G | 0 | 0 | 0 | 0 |
| 39 | 19 | 23992992 | A>G | 0 | 0.32 | 0 | 0 |
| 40 | 19 | 24299352 | C>G | 0 | 0 | 0 | 0 |
| 41 | 19 | 30313649 | A>C | 0 | 0.513333333 | 0 | 0 |
| 42 | 19 | 30945820 | A>G | 0 | 0 | 0 | 0 |
| 43 | 19 | 31773977 | T>G | 0 | 0.606666667 | 0 | 0 |
| 44 | 19 | 32904916 | C>T | 0 | 0.641666667 | 0 | 0.72333333 |
| 45 | 19 | 32908383 | C>T | 0 | 0.521666667 | 0 | 0 |
| 46 | 19 | 33120093 | T>C | 0 | 0 | 0 | 0 |
| 47 | 19 | 33214346 | A>G | 0 | 0 | 0 | 0.44333333 |
| 48 | 19 | 33215791 | T>C | 0 | 0 | 0 | 0 |
| 49 | 19 | 33217112 | A>G | 0 | 0.356666667 | 0 | 0 |
| 50 | 19 | 33255291 | T>C | 0 | 0.37 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 19 | 33274268 | C>T | 0 | 0 | 0 | 0 |
| 3 | 19 | 33274391 | C>T | 0 | 0 | 0 | 0 |
| 4 | 19 | 33275016 | C>T | 0 | 0.37 | 0 | 0.5866667 |
| 5 | 19 | 33276218 | C>G | 0 | 0 | 0 | 0.6166667 |
| 6 | 19 | 33277068 | G>A | 0 | 0.385 | 0 | 0 |
| 7 | 19 | 33325897 | C>T | 0 | 0 | 0 | 0 |
| 8 | 19 | 33327082 | A>G | 0 | 0 | 0 | 0 |
| 9 | 19 | 33345705 | T>G | 0 | 0.356666667 | 0 | 0 |
| 10 | 19 | 33345706 | T>C | 0 | 0 | 0 | 0 |
| 11 | 19 | 33413218 | C>T | 0 | 0 | 0 | 0 |
| 12 | 19 | 33467764 | G>A | 0 | 0.526666667 | 0 | 0 |
| 13 | 19 | 33550478 | C>T | 0 | 0 | 0 | 0.3033333 |
| 14 | 19 | 33552594 | A>T | 0 | 0.376666667 | 0 | 0.3633333 |
| 15 | 19 | 33590904 | C>T | 0 | 0.385 | 0 | 0.4 |
| 16 | 19 | 33635296 | A>G | 0 | 0 | 0 | 0.53 |
| 17 | 19 | 33648205 | T>C | 0 | 0 | 0 | 0.5866667 |
| 18 | 19 | 33664827 | T>G | 0 | 0.655 | 0 | 0.4866667 |
| 19 | 19 | 34183414 | G>C | 0 | 0 | 0 | 0 |
| 20 | 19 | 34707915 | T>C | 0 | 0 | 0 | 0.5566667 |
| 21 | 19 | 34754532 | G>A | 0 | 0 | 0 | 0 |
| 22 | 19 | 34758923 | C>T | 0 | 0.323333333 | 0 | 0 |
| 23 | 19 | 34813571 | T>C | 0 | 0 | 0 | 0 |
| 24 | 19 | 34846242 | A>G | 0 | 0 | 0 | 0 |
| 25 | 19 | 34863853 | G>A | 0 | 0 | 0 | 0.4166667 |
| 26 | 19 | 34887976 | T>A | 0 | 0.513333333 | 0 | 0 |
| 27 | 19 | 34928896 | A>G | 0 | 0.333333333 | 0 | 0 |
| 28 | 19 | 34937714 | A>G | 0 | 0.308333333 | 0 | 0 |
| 29 | 19 | 35431495 | C>A | 0 | 0 | 0 | 0 |
| 30 | 19 | 35516423 | C>A | 0 | 0.455 | 0 | 0 |
| 31 | 19 | 35767866 | T>C | 0 | 0 | 0 | 0 |
| 32 | 19 | 35997644 | C>G | 0 | 0 | 0 | 0.6066667 |
| 33 | 19 | 36107019 | A>G | 0 | 0.365 | 0 | 0.3866667 |
| 34 | 19 | 36329347 | T>C | 0 | 0 | 0.306666667 | 0.5133333 |
| 35 | 19 | 36361617 | A>T | 0 | 0.32 | 0 | 0 |
| 36 | 19 | 36361752 | G>A | 0 | 0.5 | 0 | 0 |
| 37 | 19 | 36384489 | G>A | 0 | 0.345 | 0 | 0 |
| 38 | 19 | 36534705 | A>G | 0 | 0 | 0 | 0 |
| 39 | 19 | 36540861 | T>C | 0 | 0 | 0 | 0 |
| 40 | 19 | 36585340 | T>C | 0 | 0.351666667 | 0 | 0 |
| 41 | 19 | 36634959 | T>C | 0 | 0 | 0 | 0 |
| 42 | 19 | 36688353 | G>A | 0 | 0 | 0 | 0.5733333 |
| 43 | 19 | 36691135 | T>C | 0 | 0.32 | 0 | 0 |
| 44 | 19 | 36695111 | G>C | 0 | 0.416666667 | 0 | 0.6066667 |
| 45 | 19 | 36844739 | A>G | 0 | 0.463333333 | 0 | 0 |
| 46 | 19 | 37015301 | G>T | 0 | 0 | 0 | 0 |
| 47 | 19 | 37017271 | T>C | 0 | 0 | 0 | 0.5566667 |
| 48 | 19 | 37193665 | C>T | 0 | 0 | 0 | 0.5566667 |
| 49 | 19 | 37360900 | T>C | 0 | 0.333333333 | 0 | 0 |
| 50 | 19 | 37418927 | A>C | 0 | 0.391666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|---|------------|
| 1 | | | | | | | |
| 2 | 19 | 37570820 | C>T | 0 | 0.416666667 | 0 | 0 |
| 3 | 19 | 37683540 | C>T | 0 | 0.555 | 0 | 0 |
| 4 | 19 | 37724284 | T>C | 0 | 0.391666667 | 0 | 0 |
| 5 | 19 | 37939687 | G>A | 0 | 0.37 | 0 | 0 |
| 6 | 19 | 37955334 | G>A | 0 | 0.526666667 | 0 | 0 |
| 7 | 19 | 37968501 | T>C | 0 | 0.37 | 0 | 0 |
| 8 | 19 | 38174372 | T>C | 0 | 0 | 0 | 0 |
| 9 | 19 | 38234679 | T>C | 0 | 0.385 | 0 | 0.44333333 |
| 10 | 19 | 38387498 | A>G | 0 | 0 | 0 | 0.39333333 |
| 11 | 19 | 38507649 | A>G | 0 | 0.49 | 0 | 0 |
| 12 | 19 | 38549403 | G>A | 0 | 0 | 0 | 0.44333333 |
| 13 | 19 | 38604831 | T>C | 0 | 0.323333333 | 0 | 0 |
| 14 | 19 | 38617711 | G>A | 0 | 0.313333333 | 0 | 0 |
| 15 | 19 | 38617712 | A>G | 0 | 0.313333333 | 0 | 0 |
| 16 | 19 | 38658793 | G>A | 0 | 0.346666667 | 0 | 0 |
| 17 | 19 | 38813246 | T>C | 0 | 0 | 0 | 0.62 |
| 18 | 19 | 38813399 | A>G | 0 | 0.333333333 | 0 | 0 |
| 19 | 19 | 38840378 | T>C | 0 | 0.49 | 0 | 0 |
| 20 | 19 | 38855940 | G>A | 0 | 0.303333333 | 0 | 0 |
| 21 | 19 | 38899056 | A>T | 0 | 0 | 0 | 0 |
| 22 | 19 | 38906279 | T>C | 0 | 0.391666667 | 0 | 0 |
| 23 | 19 | 38930064 | T>C | 0 | 0 | 0 | 0 |
| 24 | 19 | 38962770 | A>G | 0 | 0.316666667 | 0 | 0 |
| 25 | 19 | 38977003 | C>T | 0 | 0.513333333 | 0 | 0 |
| 26 | 19 | 39044902 | A>G | 0 | 0.595 | 0 | 0 |
| 27 | 19 | 39049376 | G>A | 0 | 0.37 | 0 | 0 |
| 28 | 19 | 39083503 | A>G | 0 | 0 | 0 | 0.66666667 |
| 29 | 19 | 39113684 | C>T | 0 | 0.5 | 0 | 0 |
| 30 | 19 | 39175852 | A>G | 0 | 0.455 | 0 | 0 |
| 31 | 19 | 39175863 | T>C | 0 | 0.37 | 0 | 0 |
| 32 | 19 | 39199414 | C>T | 0 | 0 | 0 | 0 |
| 33 | 19 | 39582907 | T>G | 0 | 0 | 0 | 0.50666667 |
| 34 | 19 | 39667358 | G>A | 0 | 0 | 0 | 0 |
| 35 | 19 | 39936693 | C>T | 0 | 0 | 0 | 0 |
| 36 | 19 | 39954902 | A>G | 0 | 0 | 0 | 0.79333333 |
| 37 | 19 | 40327632 | C>T | 0 | 0 | 0 | 0 |
| 38 | 19 | 40424253 | C>A | 0 | 0 | 0 | 0 |
| 39 | 19 | 40427706 | T>C | 0 | 0.4 | 0 | 0 |
| 40 | 19 | 40428663 | A>G | 0 | 0 | 0 | 0 |
| 41 | 19 | 40704821 | T>A | 0 | 0 | 0 | 0.54333333 |
| 42 | 19 | 40856071 | A>G | 0 | 0 | 0 | 0 |
| 43 | 19 | 40915505 | A>G | 0 | 0 | 0 | 0.60666667 |
| 44 | 19 | 40958561 | T>C | 0 | 0.37 | 0 | 0 |
| 45 | 19 | 41020764 | T>C | 0 | 0 | 0 | 0.49666667 |
| 46 | 19 | 41068543 | G>C | 0 | 0.401666667 | 0 | 0 |
| 47 | 19 | 41080713 | A>G | 0 | 0.641666667 | 0 | 0 |
| 48 | 19 | 41112837 | G>A | 0 | 0 | 0 | 0.47666667 |
| 49 | 19 | 41116571 | C>A | 0 | 0 | 0 | 0 |
| 50 | 19 | 41218086 | A>G | 0 | 0.37 | 0 | 0.45 |
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|----|----|----------|-----|---|--------------|--------------|------------|
| 1 | | | | | | | |
| 2 | 19 | 41742496 | A>G | 0 | 0 | 0 | 0 |
| 3 | 19 | 41750088 | T>C | 0 | 0 | 0 | 0 |
| 4 | 19 | 41750102 | C>T | 0 | 0.385 | 0 | 0.44333333 |
| 5 | 19 | 41776722 | A>G | 0 | 0 | 0 | 0 |
| 6 | 19 | 41817043 | A>G | 0 | 0 | 0 | 0.66666667 |
| 7 | 19 | 41853554 | A>G | 0 | 0.385 | 0 | 0 |
| 8 | 19 | 41916534 | T>C | 0 | 0 | 0 | 0 |
| 9 | 19 | 42310853 | A>G | 0 | 0 | 0 | 0.42666667 |
| 10 | 19 | 42346409 | T>C | 0 | 0 | 0 | 0 |
| 11 | 19 | 42346410 | C>A | 0 | 0 | 0 | 0 |
| 12 | 19 | 42349613 | C>T | 0 | 0.3333333333 | 0 | 0 |
| 13 | 19 | 42410112 | G>A | 0 | 0 | 0 | 0 |
| 14 | 19 | 42551094 | T>C | 0 | 0 | 0 | 0.30333333 |
| 15 | 19 | 42551855 | A>C | 0 | 0.316666667 | 0 | 0.35 |
| 16 | 19 | 42560050 | A>G | 0 | 0.385 | 0 | 0.47666667 |
| 17 | 19 | 42624115 | A>G | 0 | 0.391666667 | 0 | 0 |
| 18 | 19 | 42914782 | G>T | 0 | 0 | 0 | 0 |
| 19 | 19 | 42935171 | A>T | 0 | 0.635 | 0 | 0 |
| 20 | 19 | 42973022 | T>C | 0 | 0 | 0 | 0.40666667 |
| 21 | 19 | 42980782 | A>G | 0 | 0.3133333333 | 0 | 0.69 |
| 22 | 19 | 43983012 | G>A | 0 | 0.641666667 | 0 | 0 |
| 23 | 19 | 44055345 | T>C | 0 | 0.401666667 | 0 | 0 |
| 24 | 19 | 44073841 | A>G | 0 | 0.385 | 0 | 0.33333333 |
| 25 | 19 | 44158078 | T>C | 0 | 0 | 0 | 0.50666667 |
| 26 | 19 | 44158185 | G>A | 0 | 0.391666667 | 0 | 0 |
| 27 | 19 | 44167671 | C>T | 0 | 0.445 | 0 | 0 |
| 28 | 19 | 44173718 | G>C | 0 | 0.3333333333 | 0 | 0.53666667 |
| 29 | 19 | 44239518 | T>C | 0 | 0 | 0.306666667 | 0 |
| 30 | 19 | 44673235 | G>C | 0 | 0 | 0 | 0.72333333 |
| 31 | 19 | 44724331 | G>A | 0 | 0.4 | 0 | 0 |
| 32 | 19 | 44991017 | G>A | 0 | 0 | 0 | 0.49 |
| 33 | 19 | 45158586 | G>C | 0 | 0.391666667 | 0 | 0 |
| 34 | 19 | 45320381 | G>C | 0 | 0.391666667 | 0 | 0.52 |
| 35 | 19 | 45358210 | A>G | 0 | 0.4383333333 | 0 | 0 |
| 36 | 19 | 45361825 | T>C | 0 | 0 | 0 | 0 |
| 37 | 19 | 45390581 | A>G | 0 | 0.3333333333 | 0 | 0.45333333 |
| 38 | 19 | 45538525 | T>C | 0 | 0.476666667 | 0 | 0 |
| 39 | 19 | 45557633 | A>G | 0 | 0 | 0 | 0.37 |
| 40 | 19 | 45630405 | T>C | 0 | 0 | 0 | 0.48666667 |
| 41 | 19 | 45669590 | G>A | 0 | 0 | 0 | 0.31 |
| 42 | 19 | 45733886 | T>C | 0 | 0.49 | 0.3233333333 | 0 |
| 43 | 19 | 45774377 | C>T | 0 | 0 | 0 | 0 |
| 44 | 19 | 45796340 | G>A | 0 | 0 | 0 | 0 |
| 45 | 19 | 45865690 | C>T | 0 | 0 | 0 | 0 |
| 46 | 19 | 45885262 | A>G | 0 | 0 | 0 | 0.66666667 |
| 47 | 19 | 45896908 | A>G | 0 | 0 | 0 | 0 |
| 48 | 19 | 45902630 | T>C | 0 | 0 | 0 | 0.59333333 |
| 49 | 19 | 45904736 | A>G | 0 | 0.476666667 | 0 | 0 |
| 50 | 19 | 45919703 | T>G | 0 | 0 | 0 | 0.38666667 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 19 | 45973875 | G>C | 0 | 0 | 0 | 0 |
| 3 | 19 | 46030879 | T>C | 0 | 0 | 0 | 0 |
| 4 | 19 | 46079618 | A>G | 0 | 0.476666667 | 0 | 0 |
| 5 | 19 | 46123764 | T>C | 0 | 0.476666667 | 0 | 0 |
| 6 | 19 | 46131180 | G>A | 0 | 0 | 0 | 0 |
| 7 | 19 | 46133550 | A>G | 0 | 0.316666667 | 0 | 0.54 |
| 8 | 19 | 46183216 | T>C | 0 | 0.466666667 | 0 | 0 |
| 9 | 19 | 46183217 | G>A | 0 | 0 | 0 | 0 |
| 10 | 19 | 46232425 | G>A | 0 | 0 | 0 | 0 |
| 11 | 19 | 46273816 | A>G | 0 | 0 | 0 | 0 |
| 12 | 19 | 46304180 | C>A | 0 | 0.391666667 | 0 | 0 |
| 13 | 19 | 46304853 | C>T | 0 | 0 | 0 | 0 |
| 14 | 19 | 46339694 | T>C | 0 | 0.445 | 0 | 0 |
| 15 | 19 | 46358277 | G>A | 0 | 0 | 0 | 0 |
| 16 | 19 | 46396437 | A>G | 0 | 0.346666667 | 0 | 0 |
| 17 | 19 | 46447664 | T>C | 0 | 0 | 0 | 0 |
| 18 | 19 | 46803655 | T>C | 0 | 0 | 0 | 0.3166667 |
| 19 | 19 | 46813268 | C>G | 0 | 0 | 0 | 0 |
| 20 | 19 | 46851695 | C>T | 0 | 0 | 0 | 0.3033333 |
| 21 | 19 | 46868539 | T>C | 0 | 0 | 0 | 0 |
| 22 | 19 | 47024474 | A>G | 0 | 0.385 | 0 | 0 |
| 23 | 19 | 47093291 | A>G | 0 | 0 | 0.303333333 | 0 |
| 24 | 19 | 47212879 | G>A | 0 | 0 | 0 | 0.4166667 |
| 25 | 19 | 47238047 | G>A | 0 | 0 | 0 | 0 |
| 26 | 19 | 47245858 | C>T | 0 | 0.445 | 0 | 0 |
| 27 | 19 | 47348424 | G>C | 0 | 0 | 0 | 0 |
| 28 | 19 | 47442861 | A>G | 0 | 0.695 | 0 | 0 |
| 29 | 19 | 47475559 | T>G | 0 | 0 | 0 | 0.4166667 |
| 30 | 19 | 47608607 | T>C | 0 | 0 | 0 | 0.4766667 |
| 31 | 19 | 47608609 | T>G | 0 | 0 | 0 | 0.4066667 |
| 32 | 19 | 47640405 | A>G | 0 | 0.391666667 | 0 | 0.4 |
| 33 | 19 | 47643525 | A>G | 0 | 0 | 0 | 0.8966667 |
| 34 | 19 | 47646621 | T>C | 0 | 0 | 0 | 0 |
| 35 | 19 | 47668099 | G>C | 0 | 0 | 0 | 0.5833333 |
| 36 | 19 | 47682200 | C>T | 0 | 0.445 | 0 | 0 |
| 37 | 19 | 47766948 | A>G | 0 | 0 | 0 | 0 |
| 38 | 19 | 47769839 | A>G | 0 | 0 | 0 | 0 |
| 39 | 19 | 47815622 | C>T | 0 | 0.513333333 | 0 | 0 |
| 40 | 19 | 48031821 | G>A | 0 | 0 | 0 | 0 |
| 41 | 19 | 48120898 | A>G | 0 | 0.333333333 | 0 | 0 |
| 42 | 19 | 48131197 | C>T | 0 | 0.333333333 | 0 | 0 |
| 43 | 19 | 48388285 | G>C | 0 | 0 | 0 | 0.5566667 |
| 44 | 19 | 48474600 | T>C | 0 | 0.416666667 | 0 | 0 |
| 45 | 19 | 48516794 | C>T | 0 | 0 | 0 | 0 |
| 46 | 19 | 48516795 | A>G | 0 | 0 | 0 | 0 |
| 47 | 19 | 48565587 | G>A | 0 | 0 | 0 | 0 |
| 48 | 19 | 48586973 | A>G | 0 | 0.533333333 | 0 | 0 |
| 49 | 19 | 48606395 | A>G | 0 | 0.613333333 | 0 | 0 |
| 50 | 19 | 48638582 | G>A | 0 | 0.37 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 19 | 48686665 | A>T | 0 | 0 | 0.5 | 0 |
| 3 | 19 | 48815920 | C>T | 0 | 0.538333333 | 0 | 0 |
| 4 | 19 | 48843753 | C>T | 0 | 0 | 0 | 0 |
| 5 | 19 | 48856700 | T>C | 0 | 0 | 0.333333333 | 0 |
| 6 | 19 | 48888322 | G>T | 0 | 0 | 0 | 0 |
| 7 | | | | | | | |
| 8 | 19 | 48912733 | T>C | 0 | 0.591666667 | 0 | 0 |
| 9 | 19 | 48950915 | A>G | 0 | 0.455 | 0 | 0 |
| 10 | 19 | 48990062 | A>G | 0 | 0 | 0.343333333 | 0 |
| 11 | 19 | 49204715 | C>T | 0 | 0 | 0 | 0.6666667 |
| 12 | 19 | 49231799 | A>G | 0 | 0 | 0 | 0.5333333 |
| 13 | 19 | 49231801 | C>T | 0 | 0 | 0 | 0.5566667 |
| 14 | 19 | 49349463 | T>C | 0 | 0.391666667 | 0.361666667 | 0 |
| 15 | 19 | 49420014 | A>G | 0 | 0.416666667 | 0 | 0 |
| 16 | 19 | 49481670 | C>T | 0 | 0.351666667 | 0 | 0 |
| 17 | 19 | 49599010 | T>C | 0 | 0 | 0 | 0 |
| 18 | 19 | 49599823 | A>G | 0 | 0.49 | 0 | 0.3466667 |
| 19 | 19 | 49845364 | A>G | 0 | 0.416666667 | 0 | 0 |
| 20 | 19 | 49854367 | C>T | 0 | 0 | 0 | 0.3333333 |
| 21 | 19 | 49953303 | T>C | 0 | 0.351666667 | 0 | 0 |
| 22 | 19 | 49953304 | G>A | 0 | 0.351666667 | 0 | 0 |
| 23 | 19 | 50069703 | A>T | 0 | 0.313333333 | 0 | 0 |
| 24 | 19 | 50274321 | A>C | 0 | 0.476666667 | 0 | 0 |
| 25 | 19 | 50539475 | T>C | 0 | 0.635 | 0 | 0.3933333 |
| 26 | 19 | 50719498 | G>A | 0 | 0 | 0 | 0 |
| 27 | 19 | 50759900 | A>G | 0 | 0 | 0 | 0 |
| 28 | 19 | 50899858 | A>C | 0 | 0.396666667 | 0 | 0 |
| 29 | 19 | 50950872 | C>T | 0 | 0.333333333 | 0 | 0 |
| 30 | 19 | 50950883 | A>G | 0 | 0.316666667 | 0 | 0 |
| 31 | 19 | 50977995 | T>C | 0 | 0.416666667 | 0 | 0 |
| 32 | 19 | 51157656 | T>C | 0 | 0 | 0 | 0 |
| 33 | 19 | 51469810 | T>A | 0 | 0 | 0 | 0.8033333 |
| 34 | 19 | 52079521 | C>G | 0 | 0.351666667 | 0 | 0 |
| 35 | 19 | 52079522 | T>C | 0 | 0.526666667 | 0 | 0 |
| 36 | 19 | 52318552 | T>C | 0 | 0.391666667 | 0 | 0 |
| 37 | 19 | 52596251 | A>C | 0 | 0 | 0 | 0 |
| 38 | 19 | 52626162 | T>C | 0 | 0 | 0 | 0.4766667 |
| 39 | 19 | 52728491 | T>C | 0 | 0.333333333 | 0 | 0 |
| 40 | 19 | 52784526 | T>C | 0 | 0 | 0 | 0 |
| 41 | 19 | 52792191 | C>T | 0 | 0.455 | 0 | 0 |
| 42 | 19 | 52820460 | A>G | 0 | 0 | 0 | 0 |
| 43 | 19 | 52820832 | T>C | 0 | 0 | 0 | 0 |
| 44 | 19 | 53082097 | A>G | 0 | 0 | 0 | 0 |
| 45 | 19 | 53347965 | C>T | 0 | 0.533333333 | 0 | 0 |
| 46 | 19 | 53450486 | C>A | 0 | 0 | 0 | 0.3033333 |
| 47 | 19 | 53450487 | A>G | 0 | 0 | 0 | 0 |
| 48 | 19 | 53646796 | A>C | 0 | 0.333333333 | 0 | 0.46 |
| 49 | 19 | 53848319 | T>C | 0 | 0.753333333 | 0 | 0 |
| 50 | 19 | 54027413 | G>A | 0 | 0.303333333 | 0 | 0.64 |
| 51 | 19 | 54076301 | T>C | 0 | 0.391666667 | 0 | 0.4166667 |
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| 1 | | | | | | | |
| 2 | 19 | 54392247 | T>C | 0 | 0.333333333 | 0 | 0.57333333 |
| 3 | 19 | 54403060 | G>C | 0 | 0.37 | 0 | 0 |
| 4 | 19 | 54430802 | C>T | 0 | 0.445 | 0 | 0 |
| 5 | 19 | 54432824 | T>C | 0 | 0.416666667 | 0 | 0.54333333 |
| 6 | 19 | 54515415 | G>C | 0 | 0 | 0 | 0 |
| 7 | 19 | 54608248 | A>G | 0 | 0 | 0 | 0.34666667 |
| 8 | 19 | 54681282 | T>C | 0 | 0.526666667 | 0 | 0 |
| 9 | 19 | 55091407 | A>G | 0 | 0.521666667 | 0 | 0.47666667 |
| 10 | 19 | 55450025 | C>G | 0 | 0.476666667 | 0 | 0 |
| 11 | 19 | 55502388 | A>G | 0 | 0.316666667 | 0 | 0 |
| 12 | 19 | 55541028 | C>G | 0 | 0 | 0 | 0.95333333 |
| 13 | 19 | 55612125 | C>T | 0 | 0 | 0 | 0 |
| 14 | 19 | 55700560 | A>G | 0 | 0 | 0 | 0 |
| 15 | 19 | 55709499 | C>T | 0 | 0.416666667 | 0 | 0 |
| 16 | 19 | 55783960 | A>G | 0 | 0.686666667 | 0 | 0.32333333 |
| 17 | 19 | 55869354 | G>A | 0 | 0.385 | 0 | 0 |
| 18 | 19 | 55892255 | A>G | 0 | 0.77 | 0 | 0 |
| 19 | 19 | 56044254 | G>C | 0 | 0 | 0 | 0 |
| 20 | 19 | 56170290 | C>A | 0 | 0 | 0 | 0 |
| 21 | 19 | 56170302 | C>T | 0 | 0 | 0 | 0 |
| 22 | 19 | 56416662 | G>C | 0 | 0 | 0 | 0 |
| 23 | 19 | 56474039 | G>A | 0 | 0.476666667 | 0 | 0 |
| 24 | 19 | 56477908 | A>C | 0 | 0.416666667 | 0 | 0.73 |
| 25 | 19 | 56530091 | A>G | 0 | 0.416666667 | 0 | 0 |
| 26 | 19 | 56963694 | T>C | 0 | 0 | 0.555 | 0 |
| 27 | 19 | 57033120 | C>T | 0 | 0.666666667 | 0 | 0 |
| 28 | 19 | 57128665 | C>G | 0 | 0.476666667 | 0 | 0 |
| 29 | 19 | 57308471 | A>G | 0 | 0.521666667 | 0 | 0 |
| 30 | 19 | 57913303 | T>C | 0 | 0.391666667 | 0 | 0 |
| 31 | 19 | 57929013 | T>G | 0 | 0.391666667 | 0 | 0 |
| 32 | 19 | 57981528 | G>A | 0 | 0.316666667 | 0 | 0 |
| 33 | 19 | 58491951 | C>T | 0 | 0.416666667 | 0 | 0 |
| 34 | 19 | 58515099 | G>A | 0 | 0.346666667 | 0 | 0.35 |
| 35 | 19 | 58638202 | G>A | 0 | 0.351666667 | 0 | 0 |
| 36 | 19 | 58643708 | C>G | 0 | 0.493333333 | 0 | 0 |
| 37 | 19 | 58648732 | T>C | 0 | 0 | 0 | 0 |
| 38 | 19 | 58699630 | A>G | 0 | 0.695 | 0 | 0 |
| 39 | 19 | 58713086 | A>G | 0 | 0.361666667 | 0 | 0.37 |
| 40 | 19 | 58843400 | C>T | 0 | 0 | 0 | 0.33333333 |
| 41 | 19 | 59016645 | C>T | 0 | 0.333333333 | 0 | 0.30333333 |
| 42 | 20 | 263309 | G>C | 0 | 0 | 0 | 0 |
| 43 | 20 | 279336 | G>T | 0 | 0 | 0 | 0 |
| 44 | 20 | 279410 | G>A | 0 | 0 | 0 | 0 |
| 45 | 20 | 331671 | G>A | 0 | 0.431666667 | 0 | 0 |
| 46 | 20 | 405923 | A>G | 0 | 0.341666667 | 0 | 0.37666667 |
| 47 | 20 | 463077 | A>C | 0 | 0 | 0 | 0 |
| 48 | 20 | 484597 | G>A | 0 | 0 | 0 | 0.46666667 |
| 49 | 20 | 630970 | A>G | 0 | 0 | 0 | 0 |
| 50 | 20 | 980617 | C>T | 0 | 0.46 | 0 | 0 |
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|----|----|---------|-----|---|--------------|--------------|------------|
| 1 | | | | | | | |
| 2 | 20 | 1526573 | T>G | 0 | 0 | 0 | 0 |
| 3 | 20 | 1526575 | G>C | 0 | 0 | 0 | 0 |
| 4 | 20 | 1572737 | C>G | 0 | 0.595 | 0 | 0.45333333 |
| 5 | 20 | 2098359 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 6 | 20 | 2297130 | T>C | 0 | 0 | 0 | 0.34333333 |
| 7 | 20 | 2308095 | A>C | 0 | 0 | 0 | 0 |
| 8 | 20 | 2401817 | A>G | 0 | 0 | 0.3133333333 | 0 |
| 9 | 20 | 2450077 | G>C | 0 | 0 | 0 | 0.45333333 |
| 10 | 20 | 2558973 | C>T | 0 | 0 | 0 | 0 |
| 11 | 20 | 2579792 | C>T | 0 | 0 | 0 | 0.60666667 |
| 12 | 20 | 2618756 | C>G | 0 | 0 | 0.3033333333 | 0 |
| 13 | 20 | 2635721 | G>T | 0 | 0 | 0 | 0 |
| 14 | 20 | 2640906 | C>T | 0 | 0 | 0 | 0 |
| 15 | 20 | 2831034 | A>G | 0 | 0.4633333333 | 0 | 0 |
| 16 | 20 | 2837882 | G>C | 0 | 0.325 | 0 | 0.34666667 |
| 17 | 20 | 2838545 | C>T | 0 | 0 | 0 | 0 |
| 18 | 20 | 2879732 | T>G | 0 | 0 | 0 | 0.95333333 |
| 19 | 20 | 2892773 | T>A | 0 | 0 | 0 | 0.55666667 |
| 20 | 20 | 2904900 | G>T | 0 | 0 | 0.3233333333 | 0 |
| 21 | 20 | 2950083 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 22 | 20 | 3003481 | T>A | 0 | 0 | 0 | 0 |
| 23 | 20 | 3234771 | T>C | 0 | 0 | 0 | 0.43 |
| 24 | 20 | 3277523 | A>G | 0 | 0 | 0 | 0 |
| 25 | 20 | 3291139 | T>C | 0 | 0 | 0 | 0.44 |
| 26 | 20 | 3313380 | A>G | 0 | 0.3416666667 | 0 | 0 |
| 27 | 20 | 3376123 | A>T | 0 | 0.435 | 0 | 0 |
| 28 | 20 | 3381396 | C>T | 0 | 0.5 | 0 | 0 |
| 29 | 20 | 3478814 | A>C | 0 | 0.4166666667 | 0 | 0 |
| 30 | 20 | 3505056 | G>A | 0 | 0.5883333333 | 0 | 0 |
| 31 | 20 | 3506083 | C>A | 0 | 0.6066666667 | 0 | 0.44333333 |
| 32 | 20 | 3506867 | G>A | 0 | 0 | 0.6666666667 | 0 |
| 33 | 20 | 3508061 | G>T | 0 | 0 | 0 | 0.41666667 |
| 34 | 20 | 3508075 | A>G | 0 | 0 | 0 | 0.34 |
| 35 | 20 | 3508430 | G>A | 0 | 0 | 0 | 0 |
| 36 | 20 | 3595061 | T>C | 0 | 0 | 0 | 0 |
| 37 | 20 | 3595091 | G>A | 0 | 0 | 0 | 0 |
| 38 | 20 | 3619102 | T>C | 0 | 0 | 0 | 0 |
| 39 | 20 | 3671725 | A>G | 0 | 0 | 0 | 0 |
| 40 | 20 | 3784135 | G>A | 0 | 0 | 0 | 0 |
| 41 | 20 | 3784193 | C>T | 0 | 0 | 0 | 0 |
| 42 | 20 | 3834538 | A>G | 0 | 0 | 0 | 0 |
| 43 | 20 | 3836060 | G>A | 0 | 0.455 | 0 | 0 |
| 44 | 20 | 3837206 | T>C | 0 | 0 | 0 | 0 |
| 45 | 20 | 3847325 | A>C | 0 | 0 | 0 | 0 |
| 46 | 20 | 3879725 | C>G | 0 | 0.4933333333 | 0 | 0 |
| 47 | 20 | 3939517 | A>G | 0 | 0 | 0.4166666667 | 0 |
| 48 | 20 | 3966566 | A>G | 0 | 0.5266666667 | 0 | 0 |
| 49 | 20 | 4927845 | A>G | 0 | 0 | 0 | 0 |
| 50 | 20 | 4959834 | A>G | 0 | 0.4833333333 | 0 | 0 |
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|----|----------|-----|---|-------------|---|-----------|
| 20 | 5084965 | A>C | 0 | 0.416666667 | 0 | 0 |
| 20 | 5084978 | C>T | 0 | 0 | 0 | 0 |
| 20 | 5800279 | G>C | 0 | 0.356666667 | 0 | 0 |
| 20 | 5806357 | T>A | 0 | 0.333333333 | 0 | 0 |
| 20 | 6014071 | T>C | 0 | 0.313333333 | 0 | 0 |
| 20 | 8140853 | T>C | 0 | 0 | 0 | 0.38 |
| 20 | 8281254 | C>T | 0 | 0.595 | 0 | 1 |
| 20 | 8364746 | G>A | 0 | 0 | 0 | 0 |
| 20 | 8425223 | C>G | 0 | 0 | 0 | 0.4633333 |
| 20 | 8544833 | C>T | 0 | 0 | 0 | 0 |
| 20 | 8544834 | A>G | 0 | 0 | 0 | 0 |
| 20 | 8545076 | A>G | 0 | 0 | 0 | 0 |
| 20 | 8790116 | C>T | 0 | 0.5 | 0 | 0 |
| 20 | 9547035 | G>A | 0 | 0 | 0 | 0 |
| 20 | 9651137 | C>T | 0 | 0 | 0 | 0 |
| 20 | 9695422 | T>G | 0 | 0.6 | 0 | 0 |
| 20 | 9746740 | C>T | 0 | 0 | 0 | 0 |
| 20 | 10199688 | A>T | 0 | 0 | 0 | 0 |
| 20 | 10199755 | G>C | 0 | 0 | 0 | 0 |
| 20 | 10274003 | A>G | 0 | 0 | 0 | 0 |
| 20 | 10275891 | A>G | 0 | 0 | 0 | 0 |
| 20 | 10425327 | A>G | 0 | 0 | 0 | 0 |
| 20 | 10444916 | T>C | 0 | 0 | 0 | 0 |
| 20 | 10499325 | G>C | 0 | 0.391666667 | 0 | 0 |
| 20 | 10509975 | C>A | 0 | 0 | 0 | 0.5866667 |
| 20 | 10521372 | A>G | 0 | 0 | 0 | 0 |
| 20 | 10647771 | G>A | 0 | 0 | 0 | 0 |
| 20 | 10647830 | C>T | 0 | 0 | 0 | 0 |
| 20 | 11898501 | A>G | 0 | 0 | 0 | 0 |
| 20 | 13039663 | C>T | 0 | 0 | 0 | 0 |
| 20 | 13136404 | T>C | 0 | 0 | 0 | 0.4866667 |
| 20 | 13277563 | A>G | 0 | 0.36 | 0 | 0 |
| 20 | 13418781 | T>C | 0 | 0.77 | 0 | 0.5333333 |
| 20 | 13450625 | C>T | 0 | 0.308333333 | 0 | 0 |
| 20 | 13500158 | T>A | 0 | 0 | 0 | 0 |
| 20 | 13575780 | C>A | 0 | 0 | 0 | 0.4166667 |
| 20 | 13578329 | A>G | 0 | 0 | 0 | 0 |
| 20 | 13578347 | A>G | 0 | 0 | 0 | 0 |
| 20 | 13887393 | A>T | 0 | 0.666666667 | 0 | 0 |
| 20 | 13947748 | T>C | 0 | 0.341666667 | 0 | 0 |
| 20 | 13961624 | T>C | 0 | 0.323333333 | 0 | 0.3466667 |
| 20 | 13968246 | A>G | 0 | 0 | 0 | 0 |
| 20 | 14004453 | C>G | 0 | 0.555 | 0 | 0 |
| 20 | 14141974 | T>C | 0 | 0.37 | 0 | 0 |
| 20 | 14164924 | G>A | 0 | 0.476666667 | 0 | 0 |
| 20 | 14187955 | C>T | 0 | 0.391666667 | 0 | 0 |
| 20 | 14460785 | A>C | 0 | 0.595 | 0 | 0 |
| 20 | 14656871 | T>C | 0 | 0.445 | 0 | 0 |
| 20 | 14715125 | T>C | 0 | 0 | 0 | 0.8333333 |

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|----|----|----------|-----|---|--------------|--------------|------------|
| 1 | | | | | | | |
| 2 | 20 | 14718148 | G>A | 0 | 0.385 | 0 | 0 |
| 3 | 20 | 14809960 | C>T | 0 | 0 | 0 | 0.53333333 |
| 4 | 20 | 14873517 | A>G | 0 | 0.8333333333 | 0 | 0 |
| 5 | 20 | 14896279 | C>T | 0 | 0 | 0 | 0 |
| 6 | 20 | 15047326 | A>G | 0 | 0 | 0 | 0 |
| 7 | 20 | 15381963 | G>A | 0 | 0 | 0 | 0 |
| 8 | 20 | 15569301 | A>T | 0 | 0 | 0 | 0 |
| 9 | 20 | 15857084 | A>G | 0 | 0.3333333333 | 0 | 0.46 |
| 10 | 20 | 16497731 | C>T | 0 | 0 | 0 | 0 |
| 11 | 20 | 16504894 | A>G | 0 | 0 | 0 | 0.78333333 |
| 12 | 20 | 16535666 | A>G | 0 | 0 | 0 | 0 |
| 13 | 20 | 17231503 | A>G | 0 | 0.3883333333 | 0 | 0 |
| 14 | 20 | 17393834 | C>T | 0 | 0 | 0 | 0 |
| 15 | 20 | 17480364 | T>C | 0 | 0 | 0.3333333333 | 0 |
| 16 | 20 | 17493107 | C>A | 0 | 0 | 0 | 0.76333333 |
| 17 | 20 | 17693789 | A>T | 0 | 0.6066666667 | 0 | 0 |
| 18 | 20 | 17713253 | A>G | 0 | 0 | 0 | 0.33333333 |
| 19 | 20 | 17959966 | C>G | 0 | 0 | 0 | 0 |
| 20 | 20 | 17962975 | T>C | 0 | 0.34 | 0 | 0.34666667 |
| 21 | 20 | 18477757 | T>C | 0 | 0 | 0 | 0 |
| 22 | 20 | 18507477 | G>A | 0 | 0.4316666667 | 0 | 0 |
| 23 | 20 | 18600183 | C>A | 0 | 0 | 0 | 0 |
| 24 | 20 | 18670660 | C>G | 0 | 0 | 0 | 0 |
| 25 | 20 | 18671681 | T>G | 0 | 0.4166666667 | 0 | 0 |
| 26 | 20 | 18739644 | C>T | 0 | 0 | 0 | 0 |
| 27 | 20 | 19197184 | C>T | 0 | 0.4766666667 | 0 | 0 |
| 28 | 20 | 19276100 | C>T | 0 | 0.6666666667 | 0 | 0 |
| 29 | 20 | 19317992 | A>G | 0 | 0 | 0 | 0.53 |
| 30 | 20 | 19518048 | C>T | 0 | 0 | 0 | 0 |
| 31 | 20 | 19545569 | T>C | 0 | 0 | 0 | 0.54666667 |
| 32 | 20 | 19635580 | A>T | 0 | 0.4166666667 | 0 | 0 |
| 33 | 20 | 19702757 | T>C | 0 | 0 | 0 | 0 |
| 34 | 20 | 19702768 | G>T | 0 | 0 | 0 | 0 |
| 35 | 20 | 19936724 | C>A | 0 | 0 | 0 | 0 |
| 36 | 20 | 19952640 | T>C | 0 | 0 | 0 | 0 |
| 37 | 20 | 19952641 | A>C | 0 | 0 | 0 | 0 |
| 38 | 20 | 19954171 | T>G | 0 | 0 | 0 | 0 |
| 39 | 20 | 20006753 | G>A | 0 | 0 | 0 | 0 |
| 40 | 20 | 20046935 | T>C | 0 | 0 | 0 | 0 |
| 41 | 20 | 20050096 | A>G | 0 | 0.4166666667 | 0 | 0 |
| 42 | 20 | 20097898 | C>G | 0 | 0.3333333333 | 0 | 0 |
| 43 | 20 | 20180545 | C>A | 0 | 0 | 0 | 0 |
| 44 | 20 | 20180597 | C>T | 0 | 0 | 0 | 0 |
| 45 | 20 | 20180663 | T>C | 0 | 0 | 0 | 0 |
| 46 | 20 | 20392391 | C>T | 0 | 0 | 0 | 0 |
| 47 | 20 | 20394659 | C>T | 0 | 0 | 0 | 0 |
| 48 | 20 | 20394698 | C>T | 0 | 0 | 0 | 0 |
| 49 | 20 | 20394818 | C>T | 0 | 0 | 0 | 0 |
| 50 | 20 | 20406597 | G>A | 0 | 0.555 | 0 | 0 |
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| 1 | | | | | | | |
| 2 | 20 | 20514982 | G>A | 0 | 0 | 0 | 0.8933333 |
| 3 | 20 | 20532931 | A>C | 0 | 0 | 0 | 0 |
| 4 | 20 | 20635014 | A>G | 0 | 0.316666667 | 0 | 0 |
| 5 | 20 | 21296817 | A>G | 0 | 0 | 0 | 0 |
| 6 | 20 | 24497355 | T>G | 0 | 0.351666667 | 0 | 0 |
| 7 | 20 | 24497704 | G>A | 0 | 0 | 0 | 0 |
| 8 | 20 | 24497715 | A>C | 0 | 0 | 0 | 0.6866667 |
| 9 | 20 | 24534312 | A>T | 0 | 0 | 0 | 0.38 |
| 10 | 20 | 24534928 | C>T | 0 | 0.625 | 0 | 0.3933333 |
| 11 | 20 | 24537585 | G>A | 0 | 0.323333333 | 0 | 0 |
| 12 | 20 | 24538102 | T>C | 0 | 0.606666667 | 0 | 0 |
| 13 | 20 | 24620730 | A>G | 0 | 0 | 0 | 0 |
| 14 | 20 | 25002954 | A>G | 0 | 0.303333333 | 0 | 0 |
| 15 | 20 | 25062145 | C>T | 0 | 0 | 0 | 0 |
| 16 | 20 | 25243706 | T>C | 0 | 0 | 0 | 0.4166667 |
| 17 | 20 | 25243760 | T>C | 0 | 0.356666667 | 0 | 0 |
| 18 | 20 | 25244380 | T>C | 0 | 0.416666667 | 0 | 0 |
| 19 | 20 | 25244381 | C>T | 0 | 0.416666667 | 0 | 0 |
| 20 | 20 | 25245079 | A>G | 0 | 0 | 0 | 0 |
| 21 | 20 | 25323481 | T>C | 0 | 0 | 0 | 0 |
| 22 | 20 | 25368003 | T>C | 0 | 0.493333333 | 0 | 0 |
| 23 | 20 | 25437736 | T>C | 0 | 0 | 0 | 0 |
| 24 | 20 | 25538138 | C>G | 0 | 0.555 | 0 | 0 |
| 25 | 20 | 25550794 | C>T | 0 | 0 | 0 | 0 |
| 26 | 20 | 25563688 | T>C | 0 | 1 | 0 | 0.7133333 |
| 27 | 20 | 25564507 | A>G | 0 | 0 | 0 | 0.3333333 |
| 28 | 20 | 25664505 | A>T | 0 | 0 | 0 | 0.3933333 |
| 29 | 20 | 30066707 | G>A | 0 | 0.606666667 | 0 | 0 |
| 30 | 20 | 30070979 | A>T | 0 | 0.416666667 | 0 | 0 |
| 31 | 20 | 30252473 | T>A | 0 | 0 | 0 | 0 |
| 32 | 20 | 30253738 | T>C | 0 | 0 | 0 | 0 |
| 33 | 20 | 30257359 | C>A | 0 | 0.396666667 | 0 | 0 |
| 34 | 20 | 30257449 | A>G | 0 | 0 | 0 | 0 |
| 35 | 20 | 30415874 | G>A | 0 | 0.343333333 | 0 | 0 |
| 36 | 20 | 30519347 | A>G | 0 | 0.345 | 0 | 0 |
| 37 | 20 | 30728770 | T>C | 0 | 0 | 0 | 0 |
| 38 | 20 | 30739948 | T>C | 0 | 0 | 0 | 1 |
| 39 | 20 | 30791588 | G>A | 0 | 0 | 0 | 0 |
| 40 | 20 | 30791610 | C>T | 0 | 0 | 0 | 0 |
| 41 | 20 | 30866994 | A>G | 0 | 0.388333333 | 0 | 0.3033333 |
| 42 | 20 | 30949205 | C>G | 0 | 0 | 0 | 0.3933333 |
| 43 | 20 | 31021496 | C>T | 0 | 0 | 0 | 0 |
| 44 | 20 | 31022500 | G>A | 0 | 0 | 0 | 0 |
| 45 | 20 | 31033914 | A>T | 0 | 0 | 0 | 0 |
| 46 | 20 | 31044029 | G>C | 0 | 0 | 0 | 0 |
| 47 | 20 | 31178511 | C>A | 0 | 0 | 0 | 0 |
| 48 | 20 | 31330214 | G>T | 0 | 0.606666667 | 0 | 0 |
| 49 | 20 | 31354043 | G>A | 0 | 0 | 0 | 0 |
| 50 | 20 | 31391439 | G>A | 0 | 0.416666667 | 0 | 0 |
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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 20 | 31873923 | C>G | 0 | 0 | 0 | 0 |
| 3 | 20 | 31953936 | A>C | 0 | 0 | 0 | 0.6666667 |
| 4 | 20 | 31958882 | T>C | 0 | 0 | 0 | 0 |
| 5 | 20 | 31962050 | C>T | 0 | 0 | 0 | 0 |
| 6 | 20 | 31963140 | A>G | 0 | 0.416666667 | 0 | 0 |
| 7 | 20 | 32162379 | C>T | 0 | 0 | 0.308333333 | 0 |
| 8 | 20 | 32172035 | G>A | 0 | 0 | 0 | 0 |
| 9 | 20 | 32296930 | A>G | 0 | 0.686666667 | 0 | 0 |
| 10 | 20 | 32330109 | C>T | 0 | 0.333333333 | 0 | 0.59 |
| 11 | 20 | 32433246 | T>A | 0 | 0.51 | 0 | 0.4533333 |
| 12 | 20 | 33032122 | T>C | 0 | 0 | 0.333333333 | 0 |
| 13 | 20 | 33126226 | G>A | 0 | 0.391666667 | 0 | 0 |
| 14 | 20 | 33199079 | G>A | 0 | 0 | 0 | 0 |
| 15 | 20 | 33225617 | A>G | 0 | 0 | 0 | 0 |
| 16 | 20 | 33365183 | T>C | 0 | 0.416666667 | 0 | 0 |
| 17 | 20 | 33484662 | C>T | 0 | 0.316666667 | 0 | 0 |
| 18 | 20 | 33529642 | G>A | 0 | 0.303333333 | 0 | 0 |
| 19 | 20 | 33577732 | T>C | 0 | 0 | 0 | 0 |
| 20 | 20 | 33660325 | T>C | 0 | 0.463333333 | 0 | 0 |
| 21 | 20 | 33662368 | C>T | 0 | 0.448333333 | 0 | 0 |
| 22 | 20 | 33662527 | C>T | 0 | 0 | 0 | 0 |
| 23 | 20 | 33663302 | C>T | 0 | 0 | 0 | 0.5133333 |
| 24 | 20 | 33676954 | A>G | 0 | 0 | 0 | 0 |
| 25 | 20 | 33834620 | T>G | 0 | 0 | 0 | 0 |
| 26 | 20 | 33862317 | A>C | 0 | 0 | 0 | 0 |
| 27 | 20 | 33879789 | G>T | 0 | 0 | 0 | 0 |
| 28 | 20 | 33898374 | G>A | 0 | 0 | 0 | 0 |
| 29 | 20 | 33959414 | C>T | 0 | 0 | 0 | 0 |
| 30 | 20 | 33988533 | T>C | 0 | 0 | 0 | 0 |
| 31 | 20 | 34026331 | C>T | 0 | 0 | 0 | 0 |
| 32 | 20 | 34026416 | C>A | 0 | 0 | 0 | 0 |
| 33 | 20 | 34034023 | A>C | 0 | 0 | 0 | 0 |
| 34 | 20 | 34040321 | C>T | 0 | 0 | 0.315 | 0 |
| 35 | 20 | 34055293 | A>C | 0 | 0 | 0 | 0 |
| 36 | 20 | 34098320 | C>T | 0 | 0.5 | 0 | 0 |
| 37 | 20 | 34220615 | C>A | 0 | 0 | 0 | 0 |
| 38 | 20 | 34231493 | T>C | 0 | 0 | 0 | 0.3233333 |
| 39 | 20 | 34325543 | T>G | 0 | 0 | 0.333333333 | 0 |
| 40 | 20 | 34375651 | T>C | 0 | 0 | 0 | 0 |
| 41 | 20 | 34376112 | A>G | 0 | 0.686666667 | 0 | 0.4433333 |
| 42 | 20 | 34378310 | G>A | 0 | 0 | 0 | 0 |
| 43 | 20 | 34417659 | A>G | 0 | 0.313333333 | 0 | 0 |
| 44 | 20 | 34427083 | G>C | 0 | 0.575 | 0 | 0 |
| 45 | 20 | 34470466 | C>T | 0 | 0.513333333 | 0 | 0 |
| 46 | 20 | 34587800 | T>C | 0 | 0.346666667 | 0 | 0 |
| 47 | 20 | 34590495 | A>G | 0 | 0 | 0 | 0.36 |
| 48 | 20 | 34796341 | C>T | 0 | 0 | 0 | 0 |
| 49 | 20 | 34813023 | T>C | 0 | 0 | 0 | 0 |
| 50 | 20 | 34815016 | T>C | 0 | 0 | 0 | 0 |
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|----|----------|-----|---|--------------|--------------|------------|
| 20 | 34830398 | C>T | 0 | 0.435 | 0 | 0 |
| 20 | 34955683 | A>G | 0 | 0.32 | 0 | 0.40333333 |
| 20 | 34959167 | A>G | 0 | 0 | 0.3333333333 | 0 |
| 20 | 34995336 | C>A | 0 | 0.555 | 0 | 0 |
| 20 | 35042057 | C>A | 0 | 0.416666667 | 0 | 0 |
| 20 | 35081029 | T>C | 0 | 0.666666667 | 0 | 0.32333333 |
| 20 | 35118481 | G>A | 0 | 0 | 0 | 0.38 |
| 20 | 35131165 | C>G | 0 | 0 | 0 | 0 |
| 20 | 35154535 | A>G | 0 | 0 | 0 | 0 |
| 20 | 35210311 | C>T | 0 | 0.416666667 | 0 | 0 |
| 20 | 35382255 | T>A | 0 | 0 | 0 | 0 |
| 20 | 35401488 | C>T | 0 | 0.455 | 0 | 0 |
| 20 | 35425427 | G>A | 0 | 0.555 | 0 | 0 |
| 20 | 35446955 | T>C | 0 | 0.455 | 0 | 0 |
| 20 | 35551683 | C>T | 0 | 0 | 0 | 0.5066667 |
| 20 | 35559932 | T>C | 0 | 0 | 0 | 0 |
| 20 | 35647179 | G>C | 0 | 0.5 | 0 | 0 |
| 20 | 35676243 | T>C | 0 | 0 | 0 | 0 |
| 20 | 35676244 | G>A | 0 | 0 | 0 | 0 |
| 20 | 35845973 | C>T | 0 | 0 | 0 | 0.33333333 |
| 20 | 36151271 | C>T | 0 | 0 | 0 | 0 |
| 20 | 36151286 | G>C | 0 | 0 | 0 | 0 |
| 20 | 36337344 | T>G | 0 | 0 | 0 | 0.34 |
| 20 | 36490401 | G>T | 0 | 0.416666667 | 0 | 0 |
| 20 | 36570683 | G>A | 0 | 0.4383333333 | 0 | 0 |
| 20 | 36706369 | A>G | 0 | 0.445 | 0 | 0 |
| 20 | 37530178 | A>G | 0 | 0 | 0 | 0 |
| 20 | 37539467 | A>G | 0 | 0 | 0 | 0.44 |
| 20 | 37551589 | G>A | 0 | 0 | 0 | 0 |
| 20 | 37578686 | A>G | 0 | 0.595 | 0 | 0 |
| 20 | 37622274 | T>C | 0 | 0.416666667 | 0 | 0.43333333 |
| 20 | 39669908 | C>T | 0 | 0 | 0 | 0 |
| 20 | 39801365 | C>G | 0 | 0 | 0 | 0 |
| 20 | 39835732 | A>G | 0 | 0.521666667 | 0.3133333333 | 0.45 |
| 20 | 39837152 | A>C | 0 | 0 | 0 | 0.4766667 |
| 20 | 39837884 | T>C | 0 | 0 | 0 | 0.5566667 |
| 20 | 39839254 | A>G | 0 | 0 | 0 | 0 |
| 20 | 39865291 | G>C | 0 | 0 | 0 | 0.33333333 |
| 20 | 40213932 | T>C | 0 | 0 | 0 | 0 |
| 20 | 40213933 | G>A | 0 | 0 | 0 | 0 |
| 20 | 40218873 | C>A | 0 | 0 | 0 | 0.6666667 |
| 20 | 40218899 | G>C | 0 | 0.4383333333 | 0 | 0.43333333 |
| 20 | 40246947 | G>C | 0 | 0 | 0 | 0 |
| 20 | 40793481 | C>A | 0 | 0 | 0 | 0 |
| 20 | 40795401 | G>A | 0 | 0.3233333333 | 0 | 0 |
| 20 | 40795496 | A>G | 0 | 0.391666667 | 0 | 0.72 |
| 20 | 40833504 | C>T | 0 | 0.606666667 | 0 | 0 |
| 20 | 40849756 | A>G | 0 | 0 | 0 | 0 |
| 20 | 40951295 | A>C | 0 | 0 | 0 | 0.40333333 |

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| 1 | | | | | | | |
| 2 | 20 | 41106258 | G>A | 0 | 0 | 0 | 0 |
| 3 | 20 | 41111941 | G>A | 0 | 0.37 | 0 | 0 |
| 4 | 20 | 41117357 | T>C | 0 | 0.49 | 0 | 0 |
| 5 | 20 | 41141545 | A>G | 0 | 0 | 0.3333333333 | 0 |
| 6 | 20 | 41449813 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 7 | 20 | 41477663 | C>T | 0 | 0 | 0 | 0.44333333 |
| 8 | 20 | 41550130 | T>C | 0 | 0 | 0 | 0 |
| 9 | 20 | 41569549 | A>G | 0 | 0 | 0 | 0.39333333 |
| 10 | 20 | 41569550 | C>T | 0 | 0 | 0 | 0.49 |
| 11 | 20 | 41792094 | T>C | 0 | 0 | 0 | 0.46666667 |
| 12 | 20 | 41813153 | T>C | 0 | 0 | 0 | 0 |
| 13 | 20 | 42138915 | T>C | 0 | 0.4 | 0 | 0.42666667 |
| 14 | 20 | 42150896 | A>G | 0 | 0.4266666667 | 0 | 0 |
| 15 | 20 | 42201145 | A>G | 0 | 0 | 0 | 0 |
| 16 | 20 | 42264628 | C>T | 0 | 0 | 0 | 0 |
| 17 | 20 | 42264639 | A>G | 0 | 0 | 0 | 0 |
| 18 | 20 | 42300206 | A>G | 0 | 0 | 0.3083333333 | 0 |
| 19 | 20 | 42316955 | G>C | 0 | 0.4 | 0 | 0 |
| 20 | 20 | 42558396 | T>C | 0 | 0 | 0 | 0.42666667 |
| 21 | 20 | 42574378 | A>G | 0 | 0 | 0 | 0 |
| 22 | 20 | 42574582 | G>A | 0 | 0 | 0 | 0 |
| 23 | 20 | 42574610 | T>C | 0 | 0 | 0 | 0 |
| 24 | 20 | 42602402 | C>T | 0 | 0.4166666667 | 0 | 0 |
| 25 | 20 | 42697576 | A>G | 0 | 0 | 0 | 0 |
| 26 | 20 | 42907501 | G>A | 0 | 0.4766666667 | 0 | 0 |
| 27 | 20 | 43112493 | A>G | 0 | 0 | 0 | 0.32333333 |
| 28 | 20 | 43146700 | C>T | 0 | 0.555 | 0 | 0 |
| 29 | 20 | 43194519 | T>A | 0 | 0.37 | 0 | 0 |
| 30 | 20 | 43209384 | G>A | 0 | 0.3916666667 | 0 | 0 |
| 31 | 20 | 43209396 | G>A | 0 | 0.4166666667 | 0 | 0 |
| 32 | 20 | 43268855 | C>G | 0 | 0.4016666667 | 0 | 0 |
| 33 | 20 | 43348664 | C>T | 0 | 0 | 0 | 0 |
| 34 | 20 | 43543071 | G>A | 0 | 0 | 0 | 0.36333333 |
| 35 | 20 | 43563459 | C>T | 0 | 0 | 0 | 0 |
| 36 | 20 | 44038769 | G>C | 0 | 0 | 0 | 0 |
| 37 | 20 | 44102419 | A>G | 0 | 0.3033333333 | 0 | 0 |
| 38 | 20 | 44103616 | A>G | 0 | 0.4383333333 | 0 | 0 |
| 39 | 20 | 44103876 | T>C | 0 | 0 | 0 | 0 |
| 40 | 20 | 44201512 | T>C | 0 | 0.4766666667 | 0 | 0.32333333 |
| 41 | 20 | 44293028 | C>T | 0 | 0.3916666667 | 0 | 0 |
| 42 | 20 | 44293029 | A>G | 0 | 0.3916666667 | 0 | 0 |
| 43 | 20 | 44293477 | G>C | 0 | 0 | 0 | 0.51333333 |
| 44 | 20 | 44326249 | T>C | 0 | 0 | 0 | 0 |
| 45 | 20 | 44419278 | A>C | 0 | 0.37 | 0 | 0.33333333 |
| 46 | 20 | 44463888 | G>A | 0 | 0.4166666667 | 0 | 0 |
| 47 | 20 | 44484665 | A>G | 0 | 0.4166666667 | 0 | 0 |
| 48 | 20 | 44506941 | C>T | 0 | 0 | 0 | 0 |
| 49 | 20 | 44805486 | T>C | 0 | 0 | 0 | 0 |
| 50 | 20 | 44805508 | G>A | 0 | 0 | 0 | 0 |
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|----|----------|-----|---|--------------|--------------|------------|
| 20 | 44875329 | C>T | 0 | 0 | 0 | 0 |
| 20 | 44875476 | C>G | 0 | 0 | 0 | 0 |
| 20 | 45569537 | C>T | 0 | 0 | 0 | 0 |
| 20 | 45650053 | C>G | 0 | 0 | 0 | 0 |
| 20 | 45779745 | T>C | 0 | 0 | 0 | 0 |
| 20 | 45850551 | T>C | 0 | 0 | 0 | 0.36333333 |
| 20 | 45851911 | T>C | 0 | 0 | 0 | 0 |
| 20 | 45937032 | A>G | 0 | 0 | 0 | 0 |
| 20 | 45953765 | C>T | 0 | 0 | 0 | 0.56666667 |
| 20 | 46159820 | A>G | 0 | 0 | 0 | 0.58333333 |
| 20 | 46166726 | T>C | 0 | 0 | 0 | 0 |
| 20 | 46182411 | C>T | 0 | 0 | 0 | 0 |
| 20 | 46213988 | A>G | 0 | 0 | 0 | 0.58666667 |
| 20 | 46361502 | G>A | 0 | 0.3133333333 | 0 | 0 |
| 20 | 47427260 | T>C | 0 | 0 | 0 | 0.45 |
| 20 | 47432432 | C>A | 0 | 0.37 | 0 | 0 |
| 20 | 47551172 | G>T | 0 | 0 | 0 | 0 |
| 20 | 47594005 | G>T | 0 | 0 | 0 | 0.60666667 |
| 20 | 47595267 | T>A | 0 | 0.5216666667 | 0.4166666667 | 0 |
| 20 | 47695590 | A>G | 0 | 0 | 0 | 0 |
| 20 | 47749272 | C>G | 0 | 0 | 0 | 0.72333333 |
| 20 | 47777610 | T>C | 0 | 0.555 | 0 | 0 |
| 20 | 47789567 | A>G | 0 | 0.3083333333 | 0 | 0 |
| 20 | 47799133 | C>T | 0 | 0.345 | 0 | 0.40666667 |
| 20 | 47838138 | G>A | 0 | 0 | 0 | 0 |
| 20 | 47838149 | T>G | 0 | 0 | 0 | 0 |
| 20 | 47842264 | C>T | 0 | 0 | 0 | 0.53666667 |
| 20 | 47850958 | T>G | 0 | 0 | 0 | 0 |
| 20 | 47850959 | T>C | 0 | 0.3533333333 | 0 | 0 |
| 20 | 48098781 | G>C | 0 | 0 | 0 | 0 |
| 20 | 48446846 | C>A | 0 | 0.6666666667 | 0 | 0 |
| 20 | 48741610 | G>T | 0 | 0 | 0 | 0 |
| 20 | 48741676 | T>C | 0 | 0 | 0 | 0 |
| 20 | 49284038 | T>C | 0 | 0 | 0 | 0.43333333 |
| 20 | 49512655 | G>A | 0 | 0.3166666667 | 0 | 0 |
| 20 | 49529543 | G>C | 0 | 0.495 | 0 | 0 |
| 20 | 49572290 | C>T | 0 | 0.4 | 0 | 0 |
| 20 | 50344908 | A>G | 0 | 0 | 0 | 0 |
| 20 | 50370831 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 20 | 50768328 | C>T | 0 | 0 | 0 | 0.33333333 |
| 20 | 50769478 | T>C | 0 | 0 | 0 | 0 |
| 20 | 50769610 | T>C | 0 | 0 | 0 | 0 |
| 20 | 50805306 | G>T | 0 | 0 | 0.455 | 0 |
| 20 | 51654669 | C>T | 0 | 0 | 0 | 0.87 |
| 20 | 51851919 | T>G | 0 | 0 | 0 | 0.59333333 |
| 20 | 51851944 | T>G | 0 | 0.315 | 0 | 0.45666667 |
| 20 | 51872954 | C>G | 0 | 0 | 0 | 0 |
| 20 | 51900974 | T>G | 0 | 0 | 0 | 0 |
| 20 | 51956803 | A>G | 0 | 0 | 0 | 0.45 |

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| 1 | | | | | | | |
| 2 | 20 | 51978993 | A>G | 0 | 0.37 | 0 | 0 |
| 3 | 20 | 52041405 | C>T | 0 | 0.445 | 0 | 0 |
| 4 | 20 | 52058392 | G>A | 0 | 0 | 0 | 0.44 |
| 5 | 20 | 52625617 | T>G | 0 | 0 | 0 | 0 |
| 6 | 20 | 53096971 | G>A | 0 | 0.5 | 0 | 0 |
| 7 | 20 | 53135569 | C>T | 0 | 0 | 0 | 0 |
| 8 | 20 | 53185303 | G>A | 0 | 0 | 0 | 0 |
| 9 | 20 | 53232188 | T>C | 0 | 0 | 0 | 0 |
| 10 | 20 | 54935993 | G>C | 0 | 0.455 | 0 | 0 |
| 11 | 20 | 55087102 | A>G | 0 | 0.345 | 0 | 0 |
| 12 | 20 | 55745048 | A>G | 0 | 0 | 0 | 0 |
| 13 | 20 | 55745049 | A>G | 0 | 0 | 0 | 0.68 |
| 14 | 20 | 55982798 | A>G | 0 | 0 | 0 | 0 |
| 15 | 20 | 56186316 | A>T | 0 | 0 | 0 | 0 |
| 16 | 20 | 56926794 | G>A | 0 | 0.333333333 | 0 | 0 |
| 17 | 20 | 57430825 | G>C | 0 | 0 | 0 | 0 |
| 18 | 20 | 58208609 | G>A | 0 | 0.476666667 | 0 | 0 |
| 19 | 20 | 58338304 | C>T | 0 | 0.37 | 0 | 0 |
| 20 | 20 | 58473424 | T>C | 0 | 0 | 0 | 0.37 |
| 21 | 20 | 60005619 | G>A | 0 | 0 | 0 | 0 |
| 22 | 20 | 60121995 | A>G | 0 | 0 | 0 | 0 |
| 23 | 20 | 60182022 | G>A | 0 | 0 | 0 | 0 |
| 24 | 20 | 60203798 | A>G | 0 | 0 | 0 | 0 |
| 25 | 20 | 60203845 | T>C | 0 | 0 | 0 | 0 |
| 26 | 20 | 60205474 | T>G | 0 | 0 | 0 | 0 |
| 27 | 20 | 60618333 | T>C | 0 | 0.378333333 | 0 | 0 |
| 28 | 20 | 60701813 | A>G | 0 | 0.458333333 | 0 | 0 |
| 29 | 20 | 60728090 | C>T | 0 | 0 | 0.316666667 | 0 |
| 30 | 20 | 60838300 | C>T | 0 | 0 | 0 | 0 |
| 31 | 20 | 60881302 | A>G | 0 | 0 | 0 | 0 |
| 32 | 20 | 60886573 | C>T | 0 | 0.666666667 | 0 | 0 |
| 33 | 20 | 61156946 | G>T | 0 | 0 | 0 | 0 |
| 34 | 20 | 61570182 | T>A | 0 | 0.416666667 | 0 | 0 |
| 35 | 20 | 62058541 | T>C | 0 | 0 | 0 | 0.70333333 |
| 36 | 20 | 62194030 | G>C | 0 | 0 | 0 | 0 |
| 37 | 20 | 62246874 | T>C | 0 | 0.416666667 | 0 | 0 |
| 38 | 20 | 62279982 | A>G | 0 | 0.356666667 | 0 | 0 |
| 39 | 20 | 62358071 | A>G | 0 | 0.416666667 | 0 | 0 |
| 40 | 20 | 62498599 | G>A | 0 | 0.416666667 | 0 | 0 |
| 41 | 20 | 62620029 | G>A | 0 | 0 | 0 | 0 |
| 42 | 20 | 62645554 | G>A | 0 | 0.365 | 0 | 0 |
| 43 | 20 | 62645570 | A>G | 0 | 0.365 | 0 | 0 |
| 44 | 20 | 62858306 | A>G | 0 | 0 | 0 | 0 |
| 45 | 21 | 15539926 | A>G | 0 | 0.463333333 | 0 | 0 |
| 46 | 21 | 15555959 | G>A | 0 | 0.396666667 | 0 | 0 |
| 47 | 21 | 15564573 | A>G | 0 | 0 | 0 | 0 |
| 48 | 21 | 15575291 | T>C | 0 | 0 | 0 | 0.62666667 |
| 49 | 21 | 15911847 | T>G | 0 | 0.303333333 | 0 | 0 |
| 50 | 21 | 16375862 | A>C | 0 | 0 | 0 | 0 |
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| 21 | 16375897 | C>A | 0 | 0 | 0 | 0 |
| 21 | 17106122 | T>C | 0 | 0.323333333 | 0 | 0.61666667 |
| 21 | 19184884 | C>T | 0 | 0.506666667 | 0 | 0.37 |
| 21 | 19746562 | G>A | 0 | 0.455 | 0 | 0 |
| 21 | 22386546 | T>G | 0 | 0.308333333 | 0 | 0 |
| 21 | 22389513 | T>C | 0 | 0.513333333 | 0 | 0 |
| 21 | 22435730 | A>G | 0 | 0 | 0 | 0 |
| 21 | 22522147 | A>G | 0 | 0 | 0 | 0.77 |
| 21 | 22619405 | T>C | 0 | 0.5 | 0 | 0 |
| 21 | 26960545 | G>A | 0 | 0.385 | 0 | 0 |
| 21 | 27072765 | T>C | 0 | 0 | 0 | 0 |
| 21 | 27313826 | C>T | 0 | 0 | 0 | 0 |
| 21 | 27873443 | A>G | 0 | 0.428333333 | 0 | 0 |
| 21 | 27916061 | T>C | 0 | 0 | 0 | 0.38333333 |
| 21 | 30361115 | C>T | 0 | 0 | 0 | 0 |
| 21 | 30505681 | A>C | 0 | 0 | 0 | 0 |
| 21 | 30987918 | G>C | 0 | 0 | 0.323333333 | 0 |
| 21 | 31066640 | C>A | 0 | 0 | 0.416666667 | 0 |
| 21 | 31112720 | G>A | 0 | 0 | 0 | 0 |
| 21 | 31244686 | T>A | 0 | 0 | 0 | 0 |
| 21 | 31275771 | T>C | 0 | 0 | 0 | 0 |
| 21 | 31296497 | T>A | 0 | 0.476666667 | 0 | 0 |
| 21 | 32657936 | G>A | 0 | 0.4 | 0 | 0 |
| 21 | 32673958 | A>C | 0 | 0 | 0 | 0 |
| 21 | 32674056 | A>G | 0 | 0.333333333 | 0 | 0.68333333 |
| 21 | 32684049 | A>G | 0 | 0.416666667 | 0 | 0.37 |
| 21 | 32709973 | C>A | 0 | 0 | 0 | 0.78333333 |
| 21 | 32797122 | T>G | 0 | 0.641666667 | 0 | 0 |
| 21 | 32833599 | T>C | 0 | 0 | 0 | 0 |
| 21 | 32843980 | A>T | 0 | 0.438333333 | 0 | 0 |
| 21 | 32897430 | T>C | 0 | 0.555 | 0 | 0 |
| 21 | 33308297 | C>T | 0 | 0.333333333 | 0 | 0 |
| 21 | 33314306 | A>G | 0 | 0 | 0 | 0 |
| 21 | 33711583 | A>G | 0 | 0 | 0 | 0.55666667 |
| 21 | 33733808 | C>T | 0 | 0.666666667 | 0 | 0 |
| 21 | 33763429 | A>G | 0 | 0.526666667 | 0 | 0 |
| 21 | 33788899 | T>A | 0 | 0.526666667 | 0 | 0 |
| 21 | 34096654 | A>C | 0 | 0 | 0 | 0.52333333 |
| 21 | 34165519 | C>T | 0 | 0.416666667 | 0 | 0 |
| 21 | 34539906 | A>G | 0 | 0 | 0 | 0.34333333 |
| 21 | 34657262 | T>A | 0 | 0 | 0 | 0.41666667 |
| 21 | 34848620 | A>G | 0 | 0.476666667 | 0.333333333 | 0 |
| 21 | 34891598 | T>C | 0 | 0 | 0 | 0.43 |
| 21 | 34921584 | C>T | 0 | 0 | 0 | 0.41666667 |
| 21 | 34928935 | A>G | 0 | 0 | 0 | 0.63 |
| 21 | 34951229 | A>G | 0 | 0 | 0 | 0.51333333 |
| 21 | 34993936 | T>C | 0 | 0.356666667 | 0 | 0 |
| 21 | 35214435 | G>A | 0 | 0 | 0 | 0 |
| 21 | 35741614 | T>C | 0 | 0.701666667 | 0 | 0 |

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| 2 | 21 | 35827277 | G>A | 0 | 0 | 0 | 0.3266667 |
| 3 | 21 | 35913023 | T>A | 0 | 0 | 0 | 0 |
| 4 | 21 | 35976650 | C>G | 0 | 0.416666667 | 0 | 0.4766667 |
| 5 | 21 | 36226392 | G>T | 0 | 0.416666667 | 0 | 0 |
| 6 | 21 | 36296335 | C>A | 0 | 0.555 | 0 | 0 |
| 7 | 21 | 37511900 | G>A | 0 | 0.365 | 0 | 0 |
| 8 | 21 | 37606251 | A>G | 0 | 0 | 0 | 0 |
| 9 | 21 | 37614677 | A>G | 0 | 0.416666667 | 0 | 0 |
| 10 | 21 | 37653157 | A>G | 0 | 0.313333333 | 0 | 0 |
| 11 | 21 | 37710256 | G>A | 0 | 0 | 0 | 0 |
| 12 | 21 | 38110136 | C>T | 0 | 0.356666667 | 0 | 0 |
| 13 | 21 | 38155028 | T>G | 0 | 0.315 | 0 | 0 |
| 14 | 21 | 38196362 | C>T | 0 | 0.308333333 | 0 | 0 |
| 15 | 21 | 38196592 | C>G | 0 | 0 | 0 | 0.3233333 |
| 16 | 21 | 38241703 | G>A | 0 | 0.666666667 | 0 | 0.3033333 |
| 17 | 21 | 38303801 | A>G | 0 | 0.445 | 0 | 0 |
| 18 | 21 | 38326486 | T>A | 0 | 0.4 | 0 | 0 |
| 19 | 21 | 38329261 | A>G | 0 | 0.445 | 0 | 0 |
| 20 | 21 | 38330439 | T>A | 0 | 0.513333333 | 0 | 0 |
| 21 | 21 | 38331025 | G>C | 0 | 0.416666667 | 0 | 0 |
| 22 | 21 | 38454445 | A>G | 0 | 0 | 0 | 0 |
| 23 | 21 | 38475033 | G>A | 0 | 0.391666667 | 0 | 0 |
| 24 | 21 | 38482489 | T>C | 0 | 0.385 | 0 | 0 |
| 25 | 21 | 38513977 | A>G | 0 | 0.378333333 | 0 | 0 |
| 26 | 21 | 38515158 | G>A | 0 | 0 | 0 | 0 |
| 27 | 21 | 38619305 | C>T | 0 | 0.333333333 | 0 | 0 |
| 28 | 21 | 38853977 | C>T | 0 | 0.588333333 | 0 | 0 |
| 29 | 21 | 39147297 | T>C | 0 | 0 | 0 | 0 |
| 30 | 21 | 39270818 | A>G | 0 | 0 | 0 | 0.5833333 |
| 31 | 21 | 39363500 | G>A | 0 | 0 | 0 | 0.8033333 |
| 32 | 21 | 39408346 | C>T | 0 | 0.641666667 | 0 | 0 |
| 33 | 21 | 39812533 | A>C | 0 | 0.445 | 0 | 0 |
| 34 | 21 | 39855567 | T>C | 0 | 0.535 | 0 | 0 |
| 35 | 21 | 40832603 | T>C | 0 | 0.353333333 | 0 | 0 |
| 36 | 21 | 40929167 | G>T | 0 | 0.396666667 | 0 | 0 |
| 37 | 21 | 41023011 | G>T | 0 | 0.666666667 | 0 | 0 |
| 38 | 21 | 41388836 | T>A | 0 | 0.49 | 0 | 0 |
| 39 | 21 | 41454258 | G>T | 0 | 0 | 0 | 0 |
| 40 | 21 | 41616198 | A>T | 0 | 0 | 0 | 0.8333333 |
| 41 | 21 | 41901035 | A>G | 0 | 0 | 0 | 0.43 |
| 42 | 21 | 41977831 | T>A | 0 | 0 | 0 | 0.58 |
| 43 | 21 | 42125795 | C>T | 0 | 0.445 | 0 | 0 |
| 44 | 21 | 42156432 | A>G | 0 | 0 | 0 | 0 |
| 45 | 21 | 42816443 | A>G | 0 | 0 | 0 | 0 |
| 46 | 21 | 43242691 | G>C | 0 | 0 | 0 | 0 |
| 47 | 21 | 43537155 | C>T | 0 | 0 | 0 | 0 |
| 48 | 21 | 43691942 | T>C | 0 | 0.353333333 | 0 | 0 |
| 49 | 21 | 43893311 | G>T | 0 | 0.391666667 | 0 | 0 |
| 50 | 21 | 43966786 | C>T | 0 | 0.445 | 0 | 0 |
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| 2 | 21 | 44140853 | T>C | 0 | 0.37 | 0 | 0 |
| 3 | 21 | 44400328 | G>A | 0 | 0 | 0 | 0.35333333 |
| 4 | 21 | 44417224 | C>A | 0 | 0.445 | 0 | 0 |
| 5 | 21 | 45100701 | A>C | 0 | 0 | 0 | 0 |
| 6 | 21 | 45169171 | T>A | 0 | 0.361666667 | 0 | 0.4266667 |
| 7 | 21 | 45450481 | A>G | 0 | 0.493333333 | 0 | 0 |
| 8 | 21 | 45450612 | A>G | 0 | 0.308333333 | 0 | 0.6466667 |
| 9 | 21 | 45459693 | C>T | 0 | 0.416666667 | 0 | 0 |
| 10 | 21 | 45643865 | T>C | 0 | 0.49 | 0 | 0 |
| 11 | 21 | 45672507 | G>A | 0 | 0 | 0 | 0 |
| 12 | 21 | 46506995 | G>A | 0 | 0.606666667 | 0 | 0 |
| 13 | 21 | 46518816 | G>A | 0 | 0.513333333 | 0 | 0 |
| 14 | 21 | 46522037 | C>T | 0 | 0.5 | 0 | 0 |
| 15 | 21 | 46635076 | T>C | 0 | 0.526666667 | 0 | 0 |
| 16 | 21 | 46640940 | G>A | 0 | 0 | 0 | 0 |
| 17 | 21 | 46916952 | C>T | 0 | 0.476666667 | 0 | 0 |
| 18 | 21 | 46949714 | A>T | 0 | 0 | 0 | 0 |
| 19 | 21 | 47075817 | A>C | 0 | 0 | 0 | 0 |
| 20 | 21 | 47075911 | A>G | 0 | 0 | 0 | 0 |
| 21 | 21 | 47078298 | G>A | 0 | 0.588333333 | 0 | 0 |
| 22 | 21 | 47124575 | G>A | 0 | 0 | 0 | 0 |
| 23 | 21 | 47153357 | T>C | 0 | 0 | 0 | 0 |
| 24 | 21 | 47635713 | G>A | 0 | 0 | 0 | 0 |
| 25 | 21 | 47672359 | C>T | 0 | 0.448333333 | 0 | 0 |
| 26 | 21 | 47683577 | T>C | 0 | 0.316666667 | 0 | 0 |
| 27 | 21 | 47730894 | T>C | 0 | 0.391666667 | 0 | 0 |
| 28 | 21 | 47782594 | A>G | 0 | 0.416666667 | 0 | 0 |
| 29 | 21 | 47852125 | A>C | 0 | 0 | 0 | 0 |
| 30 | 21 | 47905952 | C>T | 0 | 0.666666667 | 0 | 0 |
| 31 | 21 | 47938663 | G>A | 0 | 0.391666667 | 0 | 0 |
| 32 | 21 | 47974109 | G>A | 0 | 0 | 0 | 0 |
| 33 | 22 | 17293398 | G>C | 0 | 0 | 0 | 0 |
| 34 | 22 | 17479129 | G>A | 0 | 0 | 0.555 | 0 |
| 35 | 22 | 17606534 | A>T | 0 | 0 | 0 | 0.30333333 |
| 36 | 22 | 17631667 | T>C | 0 | 0.333333333 | 0 | 0 |
| 37 | 22 | 18076871 | A>G | 0 | 0.793333333 | 0 | 0.3266667 |
| 38 | 22 | 18087747 | T>C | 0 | 0 | 0 | 0 |
| 39 | 22 | 18141358 | A>G | 0 | 0 | 0 | 0 |
| 40 | 22 | 18145072 | G>A | 0 | 0 | 0 | 0 |
| 41 | 22 | 18146938 | T>A | 0 | 0 | 0 | 0.32333333 |
| 42 | 22 | 18168960 | G>A | 0 | 0.313333333 | 0 | 0.57333333 |
| 43 | 22 | 18332658 | T>C | 0 | 0 | 0 | 0.6666667 |
| 44 | 22 | 18333385 | T>C | 0 | 0.32 | 0 | 0 |
| 45 | 22 | 18333458 | A>G | 0 | 0 | 0.351666667 | 0 |
| 46 | 22 | 18375616 | C>T | 0 | 0.666666667 | 0 | 0 |
| 47 | 22 | 18417439 | C>T | 0 | 0 | 0 | 0.5566667 |
| 48 | 22 | 18437698 | T>C | 0 | 0.333333333 | 0 | 0 |
| 49 | 22 | 18459762 | C>T | 0 | 0 | 0.333333333 | 0 |
| 50 | 22 | 18462109 | G>A | 0 | 0 | 0 | 0.54 |
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|----|----|----------|-----|---|--------------|--------------|-----------|
| 1 | | | | | | | |
| 2 | 22 | 19081910 | T>C | 0 | 0 | 0 | 0 |
| 3 | 22 | 19248130 | G>A | 0 | 0 | 0 | 0.3266667 |
| 4 | 22 | 19377854 | A>G | 0 | 0.5 | 0 | 0 |
| 5 | 22 | 19397047 | T>C | 0 | 0.416666667 | 0 | 0 |
| 6 | 22 | 19498174 | A>C | 0 | 0 | 0 | 0.4566667 |
| 7 | 22 | 19498176 | C>T | 0 | 0 | 0 | 0 |
| 8 | 22 | 19780224 | T>C | 0 | 0 | 0 | 0 |
| 9 | 22 | 19827307 | A>G | 0 | 0 | 0.3133333333 | 0 |
| 10 | 22 | 19913455 | C>T | 0 | 0 | 0 | 0 |
| 11 | 22 | 20015522 | G>A | 0 | 0 | 0 | 0.46 |
| 12 | 22 | 20017782 | G>C | 0 | 0.391666667 | 0 | 0.6466667 |
| 13 | 22 | 20847159 | A>G | 0 | 0.316666667 | 0 | 0 |
| 14 | 22 | 21132618 | A>G | 0 | 0 | 0 | 0.4033333 |
| 15 | 22 | 21177271 | A>G | 0 | 0 | 0 | 0.3033333 |
| 16 | 22 | 21304921 | A>G | 0 | 0.4483333333 | 0 | 0 |
| 17 | 22 | 21342169 | G>C | 0 | 0 | 0 | 0 |
| 18 | 22 | 21799305 | A>G | 0 | 0 | 0 | 0 |
| 19 | 22 | 22024003 | T>G | 0 | 0.37 | 0 | 0 |
| 20 | 22 | 22024014 | T>C | 0 | 0.391666667 | 0 | 0 |
| 21 | 22 | 22112243 | C>T | 0 | 0 | 0 | 0 |
| 22 | 22 | 22149851 | A>C | 0 | 0.431666667 | 0 | 0 |
| 23 | 22 | 22854916 | G>C | 0 | 0.341666667 | 0 | 0 |
| 24 | 22 | 23499716 | A>G | 0 | 0 | 0.3533333333 | 0 |
| 25 | 22 | 23616863 | T>G | 0 | 0 | 0 | 0 |
| 26 | 22 | 23618404 | A>G | 0 | 0 | 0 | 0 |
| 27 | 22 | 23618406 | A>G | 0 | 0.435 | 0 | 0 |
| 28 | 22 | 24119544 | G>A | 0 | 0.3033333333 | 0 | 0 |
| 29 | 22 | 24420353 | T>G | 0 | 0.8333333333 | 0 | 0 |
| 30 | 22 | 24505890 | C>T | 0 | 0.5133333333 | 0 | 0 |
| 31 | 22 | 24681798 | C>T | 0 | 0.3033333333 | 0 | 0 |
| 32 | 22 | 24681809 | T>C | 0 | 0.3033333333 | 0 | 0.3033333 |
| 33 | 22 | 24722997 | T>C | 0 | 0 | 0 | 0 |
| 34 | 22 | 24889995 | T>A | 0 | 0.555 | 0 | 0 |
| 35 | 22 | 25127364 | T>A | 0 | 0 | 0 | 1 |
| 36 | 22 | 25129403 | G>A | 0 | 0 | 0 | 0.5133333 |
| 37 | 22 | 25204351 | A>G | 0 | 0.3133333333 | 0 | 0.3133333 |
| 38 | 22 | 25236865 | C>T | 0 | 0 | 0 | 0.6666667 |
| 39 | 22 | 25480182 | G>A | 0 | 0 | 0 | 0 |
| 40 | 22 | 26189315 | G>C | 0 | 0.391666667 | 0 | 0 |
| 41 | 22 | 26227460 | T>C | 0 | 0.5333333333 | 0 | 0.4333333 |
| 42 | 22 | 26269532 | C>T | 0 | 0.345 | 0 | 0 |
| 43 | 22 | 26587314 | G>A | 0 | 0.445 | 0 | 0 |
| 44 | 22 | 26766231 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 45 | 22 | 26876661 | C>T | 0 | 0.396666667 | 0 | 0 |
| 46 | 22 | 26876991 | C>T | 0 | 0.455 | 0 | 0 |
| 47 | 22 | 26925364 | A>G | 0 | 0.606666667 | 0 | 0 |
| 48 | 22 | 26939447 | G>A | 0 | 0 | 0 | 0.5566667 |
| 49 | 22 | 28169499 | C>T | 0 | 0 | 0 | 0 |
| 50 | 22 | 28564002 | C>T | 0 | 0 | 0 | 0.3566667 |
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|----|----------|-----|---|-------------|-------------|-----------|
| 22 | 28588865 | T>A | 0 | 0 | 0 | 0.3566667 |
| 22 | 28606844 | C>T | 0 | 0.313333333 | 0 | 0.5366667 |
| 22 | 28608207 | A>G | 0 | 0 | 0 | 0 |
| 22 | 28608239 | A>G | 0 | 0 | 0 | 0.7566667 |
| 22 | 28610918 | T>C | 0 | 0.5 | 0 | 0 |
| 22 | 28708344 | C>T | 0 | 0 | 0.455 | 0 |
| 22 | 28733587 | G>C | 0 | 0 | 0 | 0 |
| 22 | 28800289 | A>G | 0 | 0 | 0.316666667 | 0 |
| 22 | 28851520 | A>G | 0 | 0 | 0 | 0.4766667 |
| 22 | 28927292 | C>G | 0 | 0 | 0 | 0.6066667 |
| 22 | 28927693 | T>C | 0 | 0 | 0.351666667 | 0 |
| 22 | 28929983 | T>C | 0 | 0 | 0 | 0 |
| 22 | 28930801 | A>C | 0 | 0.455 | 0 | 0 |
| 22 | 28983704 | A>G | 0 | 0.588333333 | 0 | 0 |
| 22 | 29029109 | T>A | 0 | 0.361666667 | 0 | 0 |
| 22 | 29067838 | G>A | 0 | 0 | 0 | 0 |
| 22 | 29112453 | A>G | 0 | 0.416666667 | 0 | 0 |
| 22 | 29113619 | C>T | 0 | 0.686666667 | 0 | 0 |
| 22 | 29129029 | T>C | 0 | 0 | 0.32 | 0 |
| 22 | 29135939 | T>C | 0 | 0 | 0 | 0.4066667 |
| 22 | 29136872 | G>A | 0 | 0.526666667 | 0 | 0 |
| 22 | 29143478 | T>C | 0 | 0.351666667 | 0 | 0 |
| 22 | 29143496 | C>G | 0 | 0.445 | 0 | 0 |
| 22 | 29149625 | G>A | 0 | 0 | 0 | 0 |
| 22 | 29192197 | A>C | 0 | 0 | 0 | 0 |
| 22 | 29286251 | A>G | 0 | 0.37 | 0 | 0 |
| 22 | 29286344 | C>T | 0 | 0 | 0 | 0 |
| 22 | 29330544 | T>G | 0 | 0.351666667 | 0 | 0 |
| 22 | 29345058 | T>C | 0 | 0.555 | 0 | 0 |
| 22 | 29933684 | T>G | 0 | 0.476666667 | 0 | 0 |
| 22 | 29954207 | A>C | 0 | 0.521666667 | 0 | 0.3266667 |
| 22 | 29959187 | A>G | 0 | 0.606666667 | 0 | 0 |
| 22 | 29974254 | G>A | 0 | 0.758333333 | 0 | 0 |
| 22 | 30008121 | G>C | 0 | 0.333333333 | 0 | 0 |
| 22 | 30009909 | G>A | 0 | 0.356666667 | 0 | 0 |
| 22 | 30015521 | A>G | 0 | 0 | 0 | 0 |
| 22 | 30067375 | A>G | 0 | 0 | 0 | 0 |
| 22 | 30352021 | A>G | 0 | 0.435 | 0 | 0 |
| 22 | 30416631 | C>A | 0 | 0 | 0 | 0 |
| 22 | 30745379 | T>C | 0 | 0.428333333 | 0 | 0 |
| 22 | 31017648 | A>T | 0 | 0 | 0.391666667 | 0 |
| 22 | 31036200 | T>A | 0 | 0.378333333 | 0 | 0 |
| 22 | 31210636 | A>G | 0 | 0.37 | 0 | 0 |
| 22 | 31351770 | A>G | 0 | 0 | 0 | 0.4933333 |
| 22 | 31568228 | T>C | 0 | 0.316666667 | 0 | 0.5566667 |
| 22 | 31681987 | C>T | 0 | 0.385 | 0 | 0 |
| 22 | 31734786 | A>G | 0 | 0 | 0.345 | 0.54 |
| 22 | 31739464 | T>A | 0 | 0 | 0 | 0 |
| 22 | 31817866 | T>G | 0 | 0 | 0 | 0 |

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|----|----|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | 22 | 31826643 | T>C | 0 | 0 | 0 | 0.6333333 |
| 3 | 22 | 31897052 | A>G | 0 | 0.351666667 | 0 | 0 |
| 4 | 22 | 31901328 | A>G | 0 | 0 | 0 | 0 |
| 5 | 22 | 32847261 | A>T | 0 | 0 | 0 | 0.5066667 |
| 6 | 22 | 32959921 | C>T | 0 | 0.416666667 | 0 | 0 |
| 7 | 22 | 33115569 | T>C | 0 | 0.463333333 | 0 | 0 |
| 8 | 22 | 33124241 | C>T | 0 | 0.77 | 0 | 0 |
| 9 | 22 | 33156747 | G>A | 0 | 0 | 0 | 0 |
| 10 | 22 | 33178319 | C>G | 0 | 0.533333333 | 0 | 0 |
| 11 | 22 | 33264504 | C>T | 0 | 0 | 0 | 0 |
| 12 | 22 | 33286645 | T>C | 0 | 0 | 0 | 0.7833333 |
| 13 | 22 | 33385560 | C>T | 0 | 0.416666667 | 0 | 0 |
| 14 | 22 | 33410524 | A>G | 0 | 0.463333333 | 0 | 0 |
| 15 | 22 | 33681541 | T>C | 0 | 0 | 0 | 0 |
| 16 | 22 | 33681542 | G>A | 0 | 0 | 0 | 0 |
| 17 | 22 | 33692752 | T>A | 0 | 0 | 0 | 0.4 |
| 18 | 22 | 33900508 | G>A | 0 | 0.316666667 | 0 | 0.5333333 |
| 19 | 22 | 34038493 | G>A | 0 | 0 | 0 | 0 |
| 20 | 22 | 34145178 | C>T | 0 | 0.391666667 | 0 | 0 |
| 21 | 22 | 34162617 | A>G | 0 | 0 | 0 | 0 |
| 22 | 22 | 34171593 | C>T | 0 | 0.32 | 0 | 0 |
| 23 | 22 | 34248736 | T>C | 0 | 0 | 0.316666667 | 0 |
| 24 | 22 | 34266824 | A>G | 0 | 0.555 | 0 | 0.3866667 |
| 25 | 22 | 34303859 | C>A | 0 | 0.476666667 | 0 | 0 |
| 26 | 22 | 35659528 | C>A | 0 | 0.463333333 | 0 | 0 |
| 27 | 22 | 35665124 | G>C | 0 | 0 | 0 | 0.4866667 |
| 28 | 22 | 35727626 | T>C | 0 | 0.333333333 | 0 | 0.57 |
| 29 | 22 | 36182675 | G>A | 0 | 0.466666667 | 0 | 0 |
| 30 | 22 | 36255880 | C>G | 0 | 0 | 0 | 0.4866667 |
| 31 | 22 | 36274707 | T>C | 0 | 0.513333333 | 0 | 0 |
| 32 | 22 | 36398043 | C>T | 0 | 0.4 | 0 | 0 |
| 33 | 22 | 36773736 | T>C | 0 | 0.526666667 | 0 | 0 |
| 34 | 22 | 36964043 | T>G | 0 | 0 | 0 | 0 |
| 35 | 22 | 36996774 | G>A | 0 | 0.351666667 | 0 | 0 |
| 36 | 22 | 37007241 | G>A | 0 | 0 | 0 | 0 |
| 37 | 22 | 37099121 | T>G | 0 | 0 | 0 | 0 |
| 38 | 22 | 37197793 | A>G | 0 | 0 | 0 | 0.4633333 |
| 39 | 22 | 37818901 | A>G | 0 | 0.666666667 | 0 | 0 |
| 40 | 22 | 37902825 | G>A | 0 | 0.606666667 | 0 | 0 |
| 41 | 22 | 38126782 | C>T | 0 | 0 | 0 | 0.4166667 |
| 42 | 22 | 38278879 | T>C | 0 | 0 | 0 | 0.5566667 |
| 43 | 22 | 38279913 | C>T | 0 | 0 | 0 | 0.5866667 |
| 44 | 22 | 38375004 | C>A | 0 | 0.356666667 | 0 | 0 |
| 45 | 22 | 38457807 | C>T | 0 | 0 | 0 | 0 |
| 46 | 22 | 38463398 | C>G | 0 | 0.555 | 0 | 0 |
| 47 | 22 | 38478034 | C>A | 0 | 0 | 0 | 0 |
| 48 | 22 | 38512682 | G>T | 0 | 0 | 0.435 | 0 |
| 49 | 22 | 38513832 | T>C | 0 | 0 | 0 | 0 |
| 50 | 22 | 38534928 | T>C | 0 | 0.308333333 | 0 | 0 |
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| 22 | 38564600 | C>T | 0 | 0.303333333 | 0.345 | 0 |
| 22 | 38640659 | T>A | 0 | 0.303333333 | 0 | 0.3433333 |
| 22 | 38695597 | C>T | 0 | 0.476666667 | 0 | 0 |
| 22 | 38874293 | A>G | 0 | 0 | 0 | 0.4166667 |
| 22 | 38929135 | T>C | 0 | 0 | 0.506666667 | 0 |
| 22 | 38949278 | T>C | 0 | 0 | 0 | 0 |
| 22 | 39016547 | G>A | 0 | 0.416666667 | 0 | 0 |
| 22 | 39068448 | A>C | 0 | 0.445 | 0 | 0 |
| 22 | 39091918 | G>A | 0 | 0.303333333 | 0 | 0 |
| 22 | 39186913 | T>C | 0 | 0.513333333 | 0 | 0 |
| 22 | 39481695 | A>C | 0 | 0.533333333 | 0 | 0 |
| 22 | 39818653 | C>T | 0 | 0 | 0 | 0 |
| 22 | 39821105 | T>C | 0 | 0 | 0 | 0.7233333 |
| 22 | 39822074 | A>G | 0 | 0 | 0 | 0.62 |
| 22 | 39883992 | G>A | 0 | 0 | 0 | 0 |
| 22 | 40190558 | C>A | 0 | 0.448333333 | 0 | 0 |
| 22 | 40220392 | C>T | 0 | 0.385 | 0 | 0 |
| 22 | 40220481 | G>T | 0 | 0 | 0.333333333 | 0.8333333 |
| 22 | 40318960 | T>C | 0 | 0.416666667 | 0 | 0 |
| 22 | 40318961 | G>A | 0 | 0.416666667 | 0 | 0 |
| 22 | 40407369 | G>A | 0 | 0 | 0 | 0 |
| 22 | 40408405 | T>C | 0 | 0 | 0 | 0 |
| 22 | 40647612 | C>A | 0 | 0.73 | 0 | 0 |
| 22 | 40671714 | A>G | 0 | 0.535 | 0 | 0 |
| 22 | 40789216 | A>G | 0 | 0 | 0 | 0 |
| 22 | 40847451 | C>T | 0 | 0.5 | 0 | 0 |
| 22 | 40870918 | A>C | 0 | 0.346666667 | 0 | 0 |
| 22 | 40930636 | A>C | 0 | 0.466666667 | 0 | 0 |
| 22 | 40943645 | T>C | 0 | 0.378333333 | 0 | 0 |
| 22 | 41028662 | T>A | 0 | 0.463333333 | 0 | 0.3966667 |
| 22 | 41030357 | G>A | 0 | 0 | 0 | 0.4766667 |
| 22 | 41347529 | C>A | 0 | 0 | 0 | 0 |
| 22 | 41350090 | T>C | 0 | 0.303333333 | 0 | 0 |
| 22 | 41364374 | T>C | 0 | 0.333333333 | 0 | 0 |
| 22 | 41492895 | A>T | 0 | 0.455 | 0 | 0.3166667 |
| 22 | 41527997 | T>C | 0 | 0 | 0 | 0 |
| 22 | 41561466 | T>C | 0 | 0.303333333 | 0 | 0.4033333 |
| 22 | 41561687 | G>A | 0 | 0.333333333 | 0 | 0.4166667 |
| 22 | 41570260 | C>T | 0 | 0 | 0 | 0.31 |
| 22 | 41643154 | A>G | 0 | 0 | 0 | 0.4966667 |
| 22 | 41663158 | T>C | 0 | 0 | 0 | 0.4166667 |
| 22 | 41792119 | C>A | 0 | 0 | 0 | 0 |
| 22 | 41898673 | T>C | 0 | 0.385 | 0 | 0 |
| 22 | 41981589 | A>G | 0 | 0 | 0.416666667 | 0 |
| 22 | 42008355 | G>A | 0 | 0.37 | 0 | 0 |
| 22 | 42083029 | G>C | 0 | 0 | 0 | 0 |
| 22 | 42088038 | A>G | 0 | 0 | 0 | 0.3266667 |
| 22 | 42134241 | A>G | 0 | 0.308333333 | 0 | 0 |
| 22 | 42156246 | A>G | 0 | 0.333333333 | 0 | 0.38 |

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| 1 | | | | | | | |
| 2 | 22 | 42210385 | T>C | 0 | 0.396666667 | 0 | 0 |
| 3 | 22 | 42213616 | G>A | 0 | 0 | 0 | 0 |
| 4 | 22 | 42231454 | A>C | 0 | 0.313333333 | 0 | 0 |
| 5 | 22 | 42264800 | A>G | 0 | 0 | 0 | 0 |
| 6 | 22 | 42291881 | C>T | 0 | 0 | 0 | 0 |
| 7 | 22 | 42398375 | T>C | 0 | 0 | 0 | 0 |
| 8 | 22 | 42401106 | G>A | 0 | 0 | 0 | 0 |
| 9 | 22 | 42411603 | T>C | 0 | 0 | 0 | 0 |
| 10 | 22 | 42411664 | T>C | 0 | 0 | 0 | 0 |
| 11 | 22 | 42412933 | A>G | 0 | 0 | 0 | 0 |
| 12 | 22 | 42422145 | G>A | 0 | 0.625 | 0 | 0 |
| 13 | 22 | 42608389 | G>T | 0 | 0 | 0 | 0 |
| 14 | 22 | 42608401 | T>C | 0 | 0 | 0 | 0 |
| 15 | 22 | 42610920 | C>G | 0 | 0 | 0 | 0 |
| 16 | 22 | 42807932 | C>T | 0 | 0.455 | 0 | 0 |
| 17 | 22 | 42817237 | T>A | 0 | 0.361666667 | 0 | 0 |
| 18 | 22 | 43021446 | G>A | 0 | 0 | 0 | 0 |
| 19 | 22 | 43200651 | A>G | 0 | 0.538333333 | 0 | 0 |
| 20 | 22 | 43215071 | T>A | 0 | 0.416666667 | 0 | 0 |
| 21 | 22 | 43358124 | C>T | 0 | 0 | 0 | 0.4166667 |
| 22 | 22 | 43381459 | G>A | 0 | 0 | 0 | 0 |
| 23 | 22 | 43408535 | A>G | 0 | 0.521666667 | 0 | 0 |
| 24 | 22 | 43481228 | T>C | 0 | 0 | 0 | 0.45 |
| 25 | 22 | 43728035 | A>G | 0 | 0 | 0 | 0 |
| 26 | 22 | 43728216 | A>C | 0 | 0.308333333 | 0 | 0 |
| 27 | 22 | 43942489 | G>A | 0 | 0 | 0 | 0.4166667 |
| 28 | 22 | 44029343 | A>G | 0 | 0 | 0 | 0 |
| 29 | 22 | 44335461 | G>A | 0 | 0.333333333 | 0 | 0 |
| 30 | 22 | 44402454 | G>A | 0 | 0 | 0 | 0.31 |
| 31 | 22 | 45096837 | T>A | 0 | 0.346666667 | 0 | 0.3333333 |
| 32 | 22 | 45111234 | T>C | 0 | 0 | 0 | 0 |
| 33 | 22 | 45114346 | G>A | 0 | 0 | 0 | 0.5366667 |
| 34 | 22 | 45120209 | A>G | 0 | 0.5 | 0.313333333 | 0 |
| 35 | 22 | 45304780 | C>T | 0 | 0.353333333 | 0 | 0 |
| 36 | 22 | 45578587 | G>C | 0 | 0 | 0 | 0.38 |
| 37 | 22 | 45729487 | A>G | 0 | 0.416666667 | 0 | 0.64 |
| 38 | 22 | 45735131 | A>G | 0 | 0.486666667 | 0 | 0 |
| 39 | 22 | 45812970 | A>G | 0 | 0 | 0.303333333 | 0 |
| 40 | 22 | 45940203 | A>G | 0 | 0.416666667 | 0 | 0 |
| 41 | 22 | 45959004 | C>A | 0 | 0 | 0 | 0 |
| 42 | 22 | 46090979 | A>G | 0 | 0 | 0 | 0 |
| 43 | 22 | 46554213 | A>G | 0 | 0.416666667 | 0 | 0.72 |
| 44 | 22 | 46617593 | A>G | 0 | 0 | 0 | 0.7466667 |
| 45 | 22 | 46860048 | C>T | 0 | 0 | 0 | 0 |
| 46 | 22 | 46902998 | G>A | 0 | 0.521666667 | 0 | 0 |
| 47 | 22 | 46916041 | A>G | 0 | 0 | 0 | 0 |
| 48 | 22 | 47109177 | G>A | 0 | 0.476666667 | 0 | 0 |
| 49 | 22 | 47214214 | T>C | 0 | 0 | 0 | 0.4166667 |
| 50 | 22 | 47236487 | G>A | 0 | 0 | 0 | 0 |
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|----|----------|-----|---|--------------|--------------|------------|
| 22 | 47284842 | T>C | 0 | 0 | 0 | 0 |
| 22 | 47483887 | A>T | 0 | 0 | 0 | 0 |
| 22 | 49133362 | C>T | 0 | 0 | 0 | 0 |
| 22 | 50181275 | C>A | 0 | 0 | 0 | 0 |
| 22 | 50181288 | C>T | 0 | 0 | 0 | 0 |
| 22 | 50181328 | C>A | 0 | 0 | 0 | 0 |
| 22 | 50213708 | G>T | 0 | 0 | 0 | 0 |
| 22 | 50507724 | A>G | 0 | 0.555 | 0.3133333333 | 0.39333333 |
| 22 | 50515986 | G>A | 0 | 0.3033333333 | 0 | 0.62333333 |
| 22 | 50597813 | A>G | 0 | 0 | 0 | 0.44333333 |
| 22 | 50760760 | G>C | 0 | 0.3566666667 | 0 | 0.41666667 |
| 22 | 50840265 | G>A | 0 | 0 | 0 | 0.35 |
| 22 | 50892013 | G>A | 0 | 0.3333333333 | 0 | 0 |
| 22 | 51141410 | G>C | 0 | 0 | 0 | 0 |
| X | 3026855 | T>C | 0 | 0 | 0 | 0.37 |
| X | 3026868 | A>G | 0 | 0 | 0 | 0.71333333 |
| X | 7155449 | A>C | 0 | 0.4766666667 | 0.3166666667 | 0 |
| X | 9602643 | C>T | 0 | 0 | 0 | 0 |
| X | 13675733 | G>C | 0 | 0.5883333333 | 0 | 0 |
| X | 15322905 | A>G | 0 | 0 | 0 | 0.72 |
| X | 16702430 | G>A | 0 | 0.3333333333 | 0 | 0.37 |
| X | 16754028 | A>G | 0 | 0 | 0.3616666667 | 0 |
| X | 16988541 | A>G | 0 | 0.3333333333 | 0 | 0.33333333 |
| X | 18333051 | C>A | 0 | 0.555 | 0 | 0 |
| X | 18977003 | C>T | 0 | 0 | 0 | 0.77 |
| X | 19495671 | C>T | 0 | 0.555 | 0 | 0.58 |
| X | 19987102 | G>A | 0 | 0.555 | 0 | 0 |
| X | 20209549 | T>C | 0 | 0 | 0 | 0 |
| X | 20273659 | T>C | 0 | 0.4766666667 | 0 | 0 |
| X | 21668005 | G>A | 0 | 0.3133333333 | 0 | 0.43333333 |
| X | 24645531 | A>G | 0 | 0 | 0 | 0 |
| X | 24649216 | C>T | 0 | 0.455 | 0.6116666667 | 0 |
| X | 24748184 | A>G | 0 | 0 | 0 | 0 |
| X | 28754367 | A>G | 0 | 0.3516666667 | 0.3566666667 | 0 |
| X | 29738525 | A>G | 0 | 0.5 | 0.37 | 0 |
| X | 30690694 | A>G | 0 | 0 | 0 | 0 |
| X | 31485660 | C>G | 0 | 0.4166666667 | 0 | 0 |
| X | 37563982 | G>A | 0 | 0.3916666667 | 0 | 0 |
| X | 38018094 | G>A | 0 | 0 | 0 | 0 |
| X | 38131657 | A>G | 0 | 0.4166666667 | 0 | 0 |
| X | 39933359 | C>T | 0 | 0 | 0 | 0 |
| X | 40517276 | G>C | 0 | 0 | 0.3133333333 | 0 |
| X | 43583186 | T>A | 0 | 0.6666666667 | 0 | 0.30333333 |
| X | 44398985 | C>T | 0 | 0.6416666667 | 0.4166666667 | 0 |
| X | 46877988 | G>A | 0 | 0 | 0.32 | 0 |
| X | 47333653 | A>G | 0 | 0 | 0 | 0 |
| X | 47707584 | A>G | 0 | 0 | 0.6866666667 | 0 |
| X | 47854151 | C>T | 0 | 0 | 0 | 0.69 |
| X | 47854152 | A>G | 0 | 0 | 0 | 0.46 |

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|----|---|----------|-----|---|-------------|-------------|-----------|
| 1 | | | | | | | |
| 2 | X | 48764184 | C>T | 0 | 0.476666667 | 0 | 0 |
| 3 | X | 54012873 | G>A | 0 | 0.5 | 0 | 0 |
| 4 | X | 54309973 | C>T | 0 | 0.391666667 | 0 | 0 |
| 5 | X | 63531032 | C>T | 0 | 0 | 0 | 0 |
| 6 | X | 66858379 | T>C | 0 | 0 | 0.37 | 0 |
| 7 | X | 67448925 | T>C | 0 | 0 | 0 | 0 |
| 8 | X | 68880546 | C>T | 0 | 0.5 | 0 | 0.6066667 |
| 9 | X | 69046053 | A>T | 0 | 1 | 0 | 1 |
| 10 | X | 69376539 | T>C | 0 | 0 | 0.351666667 | 0.6066667 |
| 11 | X | 69604467 | A>G | 0 | 0.555 | 0 | 0 |
| 12 | X | 69690320 | G>A | 0 | 0.356666667 | 0 | 0 |
| 13 | X | 72891825 | G>A | 0 | 0.385 | 0 | 0 |
| 14 | X | 76785831 | T>A | 0 | 0.303333333 | 0.303333333 | 0.5266667 |
| 15 | X | 76956765 | T>C | 0 | 0.513333333 | 0 | 0 |
| 16 | X | 77561805 | T>A | 0 | 0.513333333 | 0 | 0 |
| 17 | X | 80455108 | C>G | 0 | 0 | 0 | 0.4333333 |
| 18 | X | 84548812 | G>C | 0 | 0.521666667 | 0 | 0.4766667 |
| 19 | X | 85772544 | C>T | 0 | 0 | 0 | 0 |
| 20 | X | 96588773 | G>A | 0 | 0 | 0 | 0 |
| 21 | X | 96669188 | C>T | 0 | 0.555 | 0 | 0 |
| 22 | X | 1E+08 | A>G | 0 | 0.476666667 | 0 | 0.4166667 |
| 23 | X | 1E+08 | G>T | 0 | 0.32 | 0 | 0 |
| 24 | X | 1.06E+08 | C>T | 0 | 0 | 0 | 0 |
| 25 | X | 1.09E+08 | C>A | 0 | 0.476666667 | 0 | 0 |
| 26 | X | 1.09E+08 | C>T | 0 | 0.476666667 | 0 | 0.6066667 |
| 27 | X | 1.09E+08 | G>C | 0 | 0.785 | 0 | 0.77 |
| 28 | X | 1.09E+08 | A>G | 0 | 0.75 | 0.416666667 | 0 |
| 29 | X | 1.1E+08 | A>G | 0 | 0.625 | 0 | 0 |
| 30 | X | 1.1E+08 | T>G | 0 | 0.5 | 0 | 0.5266667 |
| 31 | X | 1.11E+08 | C>G | 0 | 0.37 | 0 | 0 |
| 32 | X | 1.11E+08 | G>A | 0 | 0.666666667 | 0 | 0 |
| 33 | X | 1.14E+08 | G>A | 0 | 0 | 0 | 0.8533333 |
| 34 | X | 1.18E+08 | A>G | 0 | 0 | 0.391666667 | 0 |
| 35 | X | 1.18E+08 | C>T | 0 | 0.666666667 | 0 | 0 |
| 36 | X | 1.18E+08 | C>G | 0 | 0.5 | 0 | 0 |
| 37 | X | 1.19E+08 | A>G | 0 | 0.666666667 | 0 | 0 |
| 38 | X | 1.19E+08 | T>C | 0 | 0 | 0 | 0 |
| 39 | X | 1.22E+08 | A>G | 0 | 0 | 0 | 0.7233333 |
| 40 | X | 1.23E+08 | T>C | 0 | 0.588333333 | 0 | 0.4533333 |
| 41 | X | 1.23E+08 | C>T | 0 | 0.555 | 0 | 0.3933333 |
| 42 | X | 1.29E+08 | T>C | 0 | 0 | 0 | 0 |
| 43 | X | 1.29E+08 | A>G | 0 | 0 | 0 | 0.5866667 |
| 44 | X | 1.29E+08 | T>C | 0 | 0.526666667 | 0 | 0 |
| 45 | X | 1.32E+08 | A>G | 0 | 0 | 0 | 0.7566667 |
| 46 | X | 1.33E+08 | A>T | 0 | 0 | 0 | 0.43 |
| 47 | X | 1.33E+08 | G>A | 0 | 0 | 0 | 0.4333333 |
| 48 | X | 1.33E+08 | T>C | 0 | 0.778333333 | 0 | 0 |
| 49 | X | 1.34E+08 | A>G | 0 | 0 | 0 | 0.5266667 |
| 50 | X | 1.34E+08 | T>C | 0 | 0 | 0 | 0.6933333 |
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|---|----------|-----|---|-------------|-------------|-----------|
| X | 1.36E+08 | T>A | 0 | 0 | 0 | 0.6266667 |
| X | 1.38E+08 | G>T | 0 | 0.666666667 | 0 | 0.3166667 |
| X | 1.48E+08 | A>G | 0 | 0 | 0 | 0.73 |
| X | 1.49E+08 | A>G | 0 | 0.463333333 | 0 | 0 |
| X | 1.5E+08 | A>G | 0 | 0.455 | 0 | 0.3166667 |
| X | 1.5E+08 | C>G | 0 | 0.555 | 0 | 0.4433333 |
| X | 1.51E+08 | A>T | 0 | 0 | 0 | 0 |
| X | 1.51E+08 | G>A | 0 | 0 | 0 | 0 |
| X | 1.51E+08 | T>C | 0 | 0 | 0 | 0 |
| X | 1.54E+08 | T>C | 0 | 0 | 0 | 0.4533333 |
| X | 1.55E+08 | C>T | 0 | 0.333333333 | 0 | 0 |
| Y | 15444760 | T>A | 0 | 0.445 | 0 | 0 |
| Y | 16896346 | T>C | 0 | 0 | 0.351666667 | 0.9866667 |

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| AF_Thyroid Met | AF_Chestwall Met |
|-------------------|---------------------|
| 0 | 1 |
| 1 | 0 |
| 0 | 1 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.74 |
| 0 | 0.91 |
| 0 | 0.5 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.94 | 1 |
| 0 | 0.43 |
| 0.91 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0.77 |
| 0.65 | 0 |
| 0.325 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.435 | 0.71 |
| 0.385 | 1 |
| 0 | 0 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.415 | 1 |
| 0.5 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.87 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.63 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 0.48 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0.91 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0.48 |
| 20 | 0 | 0.67 |
| 21 | 0 | 0 |
| 22 | 0 | 0.95 |
| 23 | 0 | 1 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 0.59 |
| 38 | 0 | 1 |
| 39 | 0 | 0.53 |
| 40 | 0 | 0.77 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0.59 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0.665 | 0 |
| 49 | 0.315 | 0.37 |
| 50 | 0 | 0.56 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 0 | 1 |
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| 0 | 0.42 |
| 0 | 0 |
| 0 | 0 |
| 0.415 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.575 | 0 |
| 0.68 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0.42 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.665 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.475 | 0 |
| 0.91 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.315 | 0 |
| 0 | 0 |
| 0.59 | 0.91 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.42 |
| 0 | 1 |
| 0 | 0.87 |
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| 0 | 0 |
| 0 | 1 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0.835 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.75 | 0.83 |
| 12 | 0.6 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0.335 | 0 |
| 18 | 0.555 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0.59 |
| 22 | 0 | 0.63 |
| 23 | 0 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0.4 | 1 |
| 28 | 0 | 0.45 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0.95 | 0 |
| 34 | 0 | 0.71 |
| 35 | 0 | 0 |
| 36 | 0 | 0.4 |
| 37 | 0 | 0.53 |
| 38 | 0 | 0.53 |
| 39 | 0.88 | 0.71 |
| 40 | 0 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 0 |
| 48 | 0 | 0.5 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0.315 | 0 |
| 52 | 0.715 | 0.56 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0 | 1 |
| 58 | 0 | 0.42 |
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| 0 | 1 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.95 |
| 0 | 0 |
| 0.645 | 0 |
| 0 | 0 |
| 0.335 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.525 | 1 |
| 1 | 0 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0.95 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.48 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.53 |
| 0.75 | 0 |
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| 1 | | |
| 2 | 0 | 0.91 |
| 3 | 0 | 0.91 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0.59 | 0 |
| 14 | 0 | 1 |
| 15 | 0.315 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0.59 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0.56 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0.53 |
| 26 | 0 | 0.53 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0.37 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 1 |
| 33 | 0 | 1 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 1 | 0 |
| 41 | 1 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
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| 51 | 0 | 0 |
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| 53 | 0 | 1 |
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| 0 | 0.69 |
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| 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0.415 | 0 |
| 0 | 0 |
| 0.625 | 0 |
| 0.385 | 0 |
| 0 | 0.91 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 1 |
| 0.91 | 0.5 |
| 0.835 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.59 |
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| 0 | 1 |
| 0 | 0.63 |
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| 1 | | |
| 2 | 0 | 0.53 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0.385 | 0.63 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 0.37 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0 | 1 |
| 12 | 0 | 0 |
| 13 | 0.625 | 0 |
| 14 | 1 | 0.59 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0.715 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0.665 | 1 |
| 37 | 0 | 0.43 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 1 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 1 |
| 49 | 0 | 0.63 |
| 50 | 0.455 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 0 |
| 57 | 0 | 1 |
| 58 | 1 | 0 |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0.415 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0.59 |
| 10 | 0 | 0.83 |
| 11 | 0.79 | 1 |
| 12 | 0.5 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0.71 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0.335 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0.5 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0.65 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0.87 | 0 |
| 35 | 0.4 | 1 |
| 36 | 0 | 0 |
| 37 | 0.385 | 0 |
| 38 | 0 | 1 |
| 39 | 0.75 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0.37 | 1 |
| 45 | 0.415 | 0 |
| 46 | 0.315 | 0 |
| 47 | 0.355 | 0 |
| 48 | 0 | 0 |
| 49 | 0.5 | 1 |
| 50 | 0 | 0 |
| 51 | 0.415 | 0 |
| 52 | 0 | 0.5 |
| 53 | 0 | 0 |
| 54 | 1 | 0 |
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| 0 | 0 |
| 0 | 0.67 |
| 0.47 | 1 |
| 0 | 1 |
| 0.625 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0.56 |
| 0 | 0 |
| 0.385 | 0.56 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0.715 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.625 | 0 |
| 0 | 0.5 |
| 0 | 0.5 |
| 0 | 0 |
| 0.715 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.4 |
| 0 | 0 |
| 0.525 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.315 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.34 |
| 0 | 0.71 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.48 |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.91 |
| 3 | 0.8 | 0.63 |
| 4 | 0.625 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0.77 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0.56 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0.315 | 0.56 |
| 21 | 0 | 1 |
| 22 | 0.415 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0.53 |
| 25 | 0 | 0.5 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 0 |
| 31 | 0.8 | 0.71 |
| 32 | 0.91 | 0 |
| 33 | 0.355 | 0.71 |
| 34 | 0 | 0 |
| 35 | 0 | 0.45 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 1 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0.68 | 0 |
| 44 | 0.525 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0.5 | 1 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0.79 | 0 |
| 6 | 1 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0.83 |
| 9 | 0 | 0 |
| 10 | 0 | 0.77 |
| 11 | 0.315 | 1 |
| 12 | 0 | 1 |
| 13 | 0.625 | 0.77 |
| 14 | 0.475 | 1 |
| 15 | 0 | 0 |
| 16 | 0.665 | 0 |
| 17 | 0 | 0.5 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0.88 |
| 25 | 0 | 0.63 |
| 26 | 0.75 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 1 |
| 33 | 0.625 | 1 |
| 34 | 0 | 0.83 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0.91 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0.415 | 0 |
| 49 | 0 | 0.91 |
| 50 | 0 | 0 |
| 51 | 0 | 0.91 |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 1 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
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Preprint Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0.335 | 0 |
| 4 | 0 | 0.5 |
| 5 | 1 | 0 |
| 6 | 0 | 0.37 |
| 7 | 0 | 0.63 |
| 8 | 0 | 0 |
| 9 | 0 | 1 |
| 10 | | |
| 11 | 0.625 | 1 |
| 12 | 0 | 0 |
| 13 | 0.79 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0.69 |
| 17 | 1 | 1 |
| 18 | 0 | 0.63 |
| 19 | | |
| 20 | 0.335 | 1 |
| 21 | 0.335 | 1 |
| 22 | 0 | 0.95 |
| 23 | 1 | 0 |
| 24 | 0.355 | 0.83 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0.415 | 1 |
| 31 | 0.415 | 1 |
| 32 | 0 | 0.43 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 0.91 |
| 36 | 0.355 | 0 |
| 37 | 0.77 | 1 |
| 38 | 0.355 | 0 |
| 39 | 0 | 0 |
| 40 | 0.4 | 1 |
| 41 | 0 | 1 |
| 42 | 0.69 | 0.59 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0.67 |
| 47 | 1 | 1 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0.835 | 1 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | 1 | 0.77 |
| 2 | 1 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0.5 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 1 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 1 | 0.83 |
| 15 | 0.475 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 0 |
| 18 | 0 | 1 |
| 19 | 0.4 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0.53 |
| 33 | 0 | 0.83 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0.48 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0.435 | 0 |
| 40 | 0 | 0.4 |
| 41 | 0 | 0.67 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0.53 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0.335 | 0.71 |
| 50 | 0 | 0.77 |
| 51 | 0.335 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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|-------|------|
| 1 | 0.56 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.435 | 0 |
| 0.5 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.31 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.43 |
| 0 | 0.59 |
| 0 | 0 |
| 0.86 | 0.77 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.43 |
| 0.335 | 0 |
| 0.665 | 0 |
| 0 | 1 |
| 0 | 0.59 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0.665 | 0 |
| 0 | 0.91 |
| 1 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0.625 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.4 | 0.71 |
| 0.435 | 1 |
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Peer Review

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|-------|------|
| 0 | 1 |
| 0 | 0 |
| 1 | 0.83 |
| 0 | 0 |
| 0 | 0 |
| 0.835 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0.645 | 0 |
| 1 | 0 |
| 0 | 0.91 |
| 0 | 1 |
| 0.735 | 0.91 |
| 0 | 0 |
| 0 | 0.71 |
| 1 | 0 |
| 0 | 1 |
| 0.835 | 1 |
| 0 | 0 |
| 0.315 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.71 |
| 0 | 0.71 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 1 |
| 0.87 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.77 |
| 0.625 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.87 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.475 | 0 |
| 0 | 0.43 |
| 0.335 | 0 |
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Preprint
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| 0 | 0 |
| 0 | 0.53 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 1 | 0 |
| 0.79 | 1 |
| 0.59 | 0 |
| 0.555 | 0.71 |
| 0.835 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.77 | 0.71 |
| 0 | 0 |
| 0.835 | 0 |
| 0 | 0 |
| 0.77 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 0.42 |
| 0.315 | 1 |
| 0 | 1 |
| 0 | 1 |
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| 0 | 0 |
| 1 | 0 |
| 0.79 | 1 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.475 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 0 |
| 18 | 1 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0.715 | 0 |
| 27 | 1 | 0 |
| 28 | 0 | 0.71 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0.42 |
| 34 | 0 | 0 |
| 35 | 0 | 0.63 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0.475 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 0.67 |
| 47 | 0 | 0 |
| 48 | 0 | 0.56 |
| 49 | 0 | 0.56 |
| 50 | 1 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0.59 |
| 54 | 0 | 1 |
| 55 | 0 | 0 |
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| 0 | 0.83 |
| 0.8 | 0 |
| 0 | 0 |
| 0.87 | 0 |
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| 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0.34 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.95 |
| 0.455 | 0 |
| 0 | 0.97 |
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| 0 | 1 |
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| 0 | 0.91 |
| 0.625 | 0 |
| 0 | 1 |
| 0.95 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
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| 0 | 0.4 |
| 0 | 1 |
| 0 | 0.53 |
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| 0.315 | 1 |
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| 0 | 1 |
| 0 | 0.77 |
| 0.575 | 0 |
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| 0 | 0 |
| 1 | 0 |
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| 0 | 0.53 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0.455 | 0.83 |
| 9 | 0 | 1 |
| 10 | 1 | 0 |
| 11 | 0.835 | 0 |
| 12 | 1 | 0 |
| 13 | 0.87 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0.63 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 0.59 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0.63 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 1 | 0 |
| 51 | 0.835 | 0 |
| 52 | 0 | 0.45 |
| 53 | 0.575 | 0.91 |
| 54 | 0 | 0.67 |
| 55 | 0 | 1 |
| 56 | 0 | 0.43 |
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| 0.335 | 0 |
| 0.715 | 0 |
| 0.69 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.385 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0.91 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.315 | 0.77 |
| 1 | 0 |
| 0.665 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0.385 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0.91 | 0 |
| 0 | 0 |
| 0.625 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.315 | 0 |
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| 0.735 | 0 |
| 0.835 | 0 |
| 0 | 1 |
| 0.415 | 0 |
| 0.91 | 0.83 |
| 0 | 0.71 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 1 | 0.59 |
| 3 | 0 | 0 |
| 4 | 0 | 0.4 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 0.77 |
| 9 | 0 | 0.77 |
| 10 | 0 | 1 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0.345 | 0.67 |
| 14 | 0.5 | 0.59 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.575 | 0 |
| 19 | 0.6 | 0.63 |
| 20 | 0 | 0.71 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 1 |
| 25 | 0.355 | 0 |
| 26 | 0 | 1 |
| 27 | 0.555 | 0 |
| 28 | 0.525 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0.91 | 0 |
| 35 | 0 | 1 |
| 36 | 1 | 0 |
| 37 | 0 | 0.56 |
| 38 | 0 | 0.43 |
| 39 | 0 | 0.48 |
| 40 | 0 | 0.48 |
| 41 | 0.6 | 0.91 |
| 42 | 0 | 0 |
| 43 | 0 | 0.77 |
| 44 | 0 | 0.57 |
| 45 | 0 | 0.77 |
| 46 | 0 | 1 |
| 47 | 0 | 1 |
| 48 | 0 | 0.63 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0.835 | 0 |
| 53 | 0.835 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | | |
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| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
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| 0.625 | 0 |
| 0 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.625 | 1 |
| 0 | 0.45 |
| 0 | 1 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0.94 | 0 |
| 0 | 1 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.95 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.555 | 1 |
| 0.625 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.715 | 0 |
| 0.91 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.715 | 0.5 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 1 |
| 0 | 0.34 |

Preprint
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| 0 | 0 |
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| 0 | 0.71 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.665 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0.54 | 0 |
| 0.385 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0.715 | 0 |
| 0.43 | 0 |
| 0.43 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0.645 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.665 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0.77 |
| 0.345 | 0 |
| 0 | 0 |
| 0 | 0.77 |
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| 0.835 | 0 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0.5 |
| 4 | 0 | 0.42 |
| 5 | 0 | 0.83 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0.43 |
| 9 | 0.665 | 0 |
| 10 | 0.555 | 0.95 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0.385 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0.53 |
| 27 | 1 | 0 |
| 28 | 1 | 0.53 |
| 29 | 1 | 0.53 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0.94 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 1 | 0 |
| 45 | 0 | 0.42 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0.555 | 1 |
| 53 | 0.665 | 0 |
| 54 | 0.94 | 0 |
| 55 | 0 | 0 |
| 56 | 0.625 | 0 |
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| 0 | 0.43 |
| 0 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0.5 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0 |
| 0.335 | 0 |
| 0 | 1 |
| 0.75 | 0.91 |
| 0.79 | 0.91 |
| 0.69 | 0 |
| 0 | 1 |
| 1 | 0 |
| 1 | 1 |
| 0 | 0 |
| 0.74 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.69 | 0 |
| 0.455 | 0 |
| 0 | 0 |
| 0.435 | 0 |
| 0 | 0 |
| 0.455 | 0 |
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| 0 | 0.56 |
| 0.315 | 0.59 |
| 0 | 1 |
| 0 | 1 |
| 0.835 | 0 |
| 0 | 0.67 |
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| 1 | 0.95 |

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| 0.625 | 0 |
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| 0.715 | 0.67 |
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| 0.455 | 0 |
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| 0.415 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.665 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0.48 |
| 0 | 1 |
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For Peer Review

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| 0 | 0.4 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 1 | 1 |
| 0.91 | 1 |
| 0 | 1 |
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| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.45 |
| 0.415 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 1 |
| 0 | 0.42 |
| 0 | 0 |
| 0 | 1 |
| 0.715 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.8 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0.83 |
| 1 | 1 |
| 0 | 0 |
| 1 | 0 |
| 0.385 | 0 |
| 0.88 | 0 |
| 0.835 | 0 |
| 0.87 | 0 |
| 0 | 0 |
| 0 | 0.5 |
| 0 | 0.48 |
| 0 | 1 |
| 0 | 0 |

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| 0 | 0 |
| 0 | 1 |
| 0.835 | 0 |
| 0 | 0 |
| 0.625 | 0 |
| 1 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0.6 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 1 |
| 0.605 | 0 |
| 0 | 1 |
| 0 | 0.63 |
| 0 | 1 |
| 0.44 | 0 |
| 0 | 1 |
| 1 | 0.95 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0.59 |
| 0 | 0.83 |
| 0 | 0.74 |
| 0.77 | 0 |
| 0 | 0 |
| 0.91 | 1 |
| 0 | 0.5 |
| 0 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0.67 |
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| 0 | 0 |
| 0.665 | 1 |

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| 0 | 0 |
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| 0 | 0.63 |
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| 0 | 0 |
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| 0 | 0 |
| 0.315 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.45 |
| 0 | 0 |
| 0.4 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 1 |
| 1 | 1 |
| 0.47 | 0.56 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.77 |
| 0.665 | 0 |
| 0.475 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.895 | 0.67 |
| 0.4 | 1 |
| 0 | 0 |
| 0.6 | 0 |
| 0.335 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.535 | 0 |
| 0.65 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.385 | 0.71 |
| 0.805 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.43 |
| 0 | 0 |
| 0 | 1 |
| 0.59 | 1 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.5 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.605 | 0.91 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.315 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0.83 |
| 0 | 0.37 |

Preprint
Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.88 | 0 |
| 3 | 0.335 | 0.4 |
| 4 | 0 | 0.56 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 0.77 |
| 10 | 0 | 1 |
| 11 | 0.665 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0.91 |
| 15 | 0 | 0 |
| 16 | 0 | 0.77 |
| 17 | 0 | 0 |
| 18 | 0 | 0.77 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0.95 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 0.48 |
| 27 | 1 | 0 |
| 28 | 0 | 0.48 |
| 29 | 0 | 0 |
| 30 | 0.77 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0.95 | 0 |
| 34 | 0.59 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0.36 |
| 38 | 0.95 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0.67 |
| 41 | 0.525 | 0 |
| 42 | 0 | 0.5 |
| 43 | 0 | 0.45 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 0.87 |
| 47 | 0 | 0 |
| 48 | 0 | 0.56 |
| 49 | 0 | 0.87 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0.91 |
| 8 | 0 | 0 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 1 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 1 | 0 |
| 20 | 0 | 0.77 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0.4 |
| 25 | 0 | 0.5 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0.625 | 0 |
| 36 | 1 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0.59 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0.45 |
| 43 | 0 | 0.4 |
| 44 | 0 | 0.43 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0.48 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0.455 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 0.4 |
| 57 | 0 | 0.77 |
| 58 | | |
| 59 | | |
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For Peer Review

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| 0 | 0 |
| 0.715 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0.95 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 1 |
| 0.415 | 0.45 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0.415 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.91 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.53 |
| 0 | 1 |
| 0 | 0.32 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.83 |
| 0 | 0.45 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.42 |
| 0 | 1 |
| 0 | 1 |
| 0.415 | 0.83 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.8 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0.91 |
| 8 | 0 | 0.59 |
| 9 | 0 | 0.36 |
| 10 | 0.94 | 0 |
| 11 | 0.475 | 0 |
| 12 | 0 | 0.48 |
| 13 | 0 | 1 |
| 14 | 1 | 1 |
| 15 | 0 | 1 |
| 16 | 0.435 | 1 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0.94 | 0.56 |
| 21 | 1 | 0 |
| 22 | 0.355 | 0.56 |
| 23 | 0 | 0.59 |
| 24 | 0 | 0 |
| 25 | 0 | 0.34 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0.48 |
| 29 | 0 | 0 |
| 30 | 0.91 | 0.5 |
| 31 | 0.91 | 0.5 |
| 32 | 0 | 1 |
| 33 | 0.87 | 0 |
| 34 | 0.385 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0.45 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0.65 | 1 |
| 40 | 0 | 0.59 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0.59 | 0 |
| 45 | 0 | 0.77 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0.56 |
| 49 | 0.355 | 1 |
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| 0 | 0 |
| 0 | 1 |
| 0.715 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 1 |
| 0.95 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0.835 | 0 |
| 0.715 | 1 |
| 1 | 1 |
| 0 | 0 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 0.45 |
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| 0.625 | 0 |
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| 0.94 | 0 |
| 1 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0.665 | 0 |
| 3 | 0 | 0.56 |
| 4 | 0 | 0.67 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0.71 |
| 9 | 0 | 0 |
| 10 | 0.37 | 0.77 |
| 11 | 0.835 | 0 |
| 12 | 0.555 | 0.53 |
| 13 | 0.455 | 0.65 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0.91 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0.43 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 1 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0.5 | 0.48 |
| 37 | 0 | 1 |
| 38 | 0.625 | 0 |
| 39 | 1 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0.56 |
| 43 | 0 | 0 |
| 44 | 0 | 0.91 |
| 45 | 0 | 0.63 |
| 46 | 0 | 1 |
| 47 | 0 | 1 |
| 48 | 1 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0.74 | 0 |
| 56 | 0.625 | 0 |
| 57 | 0 | 0 |
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| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 1 |
| 10 | 0 | 0.63 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0.59 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0.43 |
| 23 | 0 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0.42 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0.5 |
| 33 | 0.715 | 0.67 |
| 34 | 0 | 1 |
| 35 | 0.335 | 0.77 |
| 36 | 0 | 0.63 |
| 37 | 0.455 | 0.56 |
| 38 | 1 | 0.63 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 0.71 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0.535 | 1 |
| 49 | 0.95 | 0 |
| 50 | 0 | 0.91 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0 | 0.48 |
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| 0 | 0 |
| 0 | 1 |
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| 0.37 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0.56 |
| 0 | 0.53 |
| 0 | 0.71 |
| 0 | 1 |
| 0.4 | 0.83 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0.63 |
| 0.415 | 0 |
| 0 | 1 |
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| 0 | 0.48 |
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| 0 | 0 |
| 1 | 0 |
| 0 | 0.95 |
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| 0.6 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.63 |
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| 0 | 0.34 |
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| 1 | 0 |
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| 0 | 0 |
| 0.385 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 0.5 |
| 0 | 0.33 |
| 0 | 0.32 |
| 0 | 1 |
| 0 | 0 |
| 0.59 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.5 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.335 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0.335 | 1 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0.31 |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.83 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0.415 | 0.71 |
| 6 | 1 | 0.71 |
| 7 | 0 | 0 |
| 8 | 0 | 0.59 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0.63 |
| 12 | 0 | 0 |
| 13 | 0 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 1 | 1 |
| 20 | 1 | 1 |
| 21 | 1 | 1 |
| 22 | 0.385 | 1 |
| 23 | 0 | 1 |
| 24 | 0 | 0.95 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0.37 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0.68 | 0.91 |
| 31 | 0 | 1 |
| 32 | 0.835 | 0.83 |
| 33 | 0.59 | 1 |
| 34 | 0.625 | 1 |
| 35 | 0 | 0 |
| 36 | 0.925 | 1 |
| 37 | 0.88 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 1 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0.665 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0.96 | 0 |
| 53 | 0.355 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0.71 |
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| 0 | 1 |
| 0.6 | 0 |
| 0 | 0 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 1 |
| 0 | 0.83 |
| 0.415 | 0 |
| 0 | 0.33 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 1 |
| 0.555 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 1 |
| 0.525 | 0 |
| 0.77 | 0.67 |
| 0 | 1 |
| 0 | 0 |
| 0.91 | 0 |
| 0.535 | 0 |
| 0.575 | 1 |
| 0 | 0.71 |
| 0.91 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 0 |
| 1 | 0 |
| 1 | 1 |
| 0 | 1 |
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| 0.75 | 1 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0.355 | 0 |
| 6 | 1 | 0 |
| 7 | 0 | 1 |
| 8 | 0.625 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0.4 |
| 11 | 0 | 0.63 |
| 12 | 0 | 1 |
| 13 | 0.315 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 0.56 |
| 18 | 0 | 0.56 |
| 19 | 0.455 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0.74 |
| 22 | 0 | 0.43 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0.835 | 1 |
| 30 | 1 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 0.56 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0.95 | 0.5 |
| 49 | 0 | 0.91 |
| 50 | 0.525 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 1 |
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| 0 | 0 |
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| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0.77 |
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| 1 | 0.45 |
| 0.455 | 1 |
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| 0 | 1 |
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| 0 | 0 |
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| 0 | 0 |
| 0.5 | 0.67 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
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| 0.455 | 0.67 |
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| 0.835 | 0 |
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| 0 | 0 |
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| 0 | 0.59 |
| 0.5 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0.65 | 1 |
| 0 | 0.83 |
| 0 | 1 |
| 1 | 0 |
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| 0.315 | 0 |
| 0 | 1 |
| 1 | 0.83 |
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For Peer Review

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| 0 | 0.91 |
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| 0 | 0 |
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| 0 | 0 |
| 0 | 0.71 |
| 0 | 0.63 |
| 0 | 1 |
| 0.5 | 0 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.87 |
| 0 | 0 |
| 0.77 | 1 |
| 0.335 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.83 |
| 0 | 0 |
| 0.625 | 1 |
| 0 | 0.83 |
| 1 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0.91 |
| 0 | 0.63 |
| 0.315 | 0.53 |
| 0.77 | 0 |
| 0.5 | 1 |
| 0.355 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.95 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.48 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 1 | 0.63 |
| 6 | 0 | 0 |
| 7 | 0.37 | 1 |
| 8 | 0.415 | 0 |
| 9 | 0.355 | 1 |
| 10 | 1 | 0.77 |
| 11 | 0.475 | 0 |
| 12 | 0.475 | 0.59 |
| 13 | 0 | 1 |
| 14 | 0.625 | 1 |
| 15 | 0.5 | 0 |
| 16 | 0.5 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0.94 | 0.4 |
| 21 | 0.625 | 0.91 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0 | 0 |
| 25 | 0.455 | 0.59 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0.385 | 1 |
| 32 | 0.715 | 0 |
| 33 | 0 | 1 |
| 34 | 0.555 | 0 |
| 35 | 0.555 | 0 |
| 36 | 0 | 0.63 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 1 |
| 40 | 0.335 | 0.71 |
| 41 | 0.335 | 0.71 |
| 42 | 0 | 0.5 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0.88 | 1 |
| 46 | 0 | 0 |
| 47 | 0.715 | 1 |
| 48 | 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0.835 | 0 |
| 4 | 1 | 0.48 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0.455 | 0 |
| 13 | 0 | 1 |
| 14 | 0.5 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.68 | 0.5 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0.315 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 1 | 1 |
| 25 | 1 | 1 |
| 26 | 0 | 0.71 |
| 27 | 0 | 1 |
| 28 | 0.715 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 0.95 |
| 31 | 0 | 0 |
| 32 | 0.355 | 0.56 |
| 33 | 0 | 0.83 |
| 34 | 1 | 0 |
| 35 | 0.315 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 0.77 |
| 43 | 0.515 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0.91 |
| 48 | 0 | 0.63 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0.91 |
| 53 | 0 | 0.63 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0.88 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0.68 | 0.95 |
| 9 | 0 | 0 |
| 10 | 0.5 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 0 |
| 13 | 0.77 | 0 |
| 14 | 0 | 0.83 |
| 15 | 0 | 1 |
| 16 | 0.335 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 1 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0.91 | 0.67 |
| 32 | 0 | 0 |
| 33 | 0 | 0.56 |
| 34 | 1 | 0 |
| 35 | 0 | 0 |
| 36 | 0.385 | 0 |
| 37 | 0.59 | 0.71 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0.71 |
| 41 | 0 | 1 |
| 42 | 1 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0.535 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0.715 | 1 |
| 49 | 0.355 | 0 |
| 50 | 0.315 | 0.53 |
| 51 | 0 | 1 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0 | 0.77 |
| 0 | 0.53 |
| 0 | 0.59 |
| 0 | 0.56 |
| 1 | 1 |
| 0 | 1 |
| 0 | 0.63 |
| 0.475 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 1 |
| 0 | 1 |
| 0 | 0.32 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0.71 |
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| 0 | 0.67 |
| 0.355 | 0 |
| 0 | 1 |
| 0 | 0.83 |
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| 0 | 0.67 |
| 1 | 0.59 |
| 0.715 | 0 |
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| 0 | 0.59 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0.77 |
| 8 | 0 | 1 |
| 9 | 0 | 0.53 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 0 |
| 13 | 0.715 | 0 |
| 14 | 1 | 0 |
| 15 | 0.715 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 0.77 |
| 23 | 0.74 | 0 |
| 24 | 0 | 1 |
| 25 | 0.95 | 1 |
| 26 | 0 | 1 |
| 27 | 0.355 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0.555 | 1 |
| 35 | 0 | 0.77 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0.415 | 0.36 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 1 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 1 |
| 47 | 0.415 | 0 |
| 48 | 0 | 1 |
| 49 | 0.8 | 0 |
| 50 | 0 | 0.83 |
| 51 | 0.77 | 0 |
| 52 | 0.75 | 0 |
| 53 | 0 | 0.56 |
| 54 | 0 | 1 |
| 55 | 0 | 0 |
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| 0 | 0 |
| 0.665 | 0.67 |
| 0 | 0 |
| 0.4 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.53 |
| 0.415 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.625 | 1 |
| 0 | 0 |
| 0.435 | 0 |
| 0.535 | 0 |
| 0 | 1 |
| 0 | 0.5 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.415 | 0 |
| 0 | 1 |
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| 0 | 1 |
| 1 | 0 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.835 | 0 |
| 1 | 0.56 |
| 0 | 1 |
| 1 | 0.53 |
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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0.555 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0 | 0.8 |
| 12 | 0 | 0 |
| 13 | 0 | 0.32 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0.5 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0.91 | 0.77 |
| 33 | 1 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0.83 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 0.77 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 1 | 0 |
| 54 | 0 | 0 |
| 55 | 0.5 | 0 |
| 56 | 0 | 1 |
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| 0 | 1 |
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| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.91 |
| 0.835 | 1 |
| 0.335 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
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| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.88 | 0 |
| 0 | 0.77 |
| 1 | 0.83 |
| 0.385 | 0 |
| 0.665 | 0.56 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 0 |
| 0.94 | 1 |

For Peer Review

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|-------|------|
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.315 | 0.71 |
| 0 | 1 |
| 0.95 | 0.53 |
| 0.94 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.59 | 0 |
| 0.385 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.535 | 0.59 |
| 0.355 | 0.56 |
| 0 | 0.71 |
| 0 | 0.48 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0.5 |
| 0.455 | 0 |
| 0.575 | 0.48 |

Preprint
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| 0.96 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 0.43 |
| 0 | 1 |
| 0 | 0 |
| 0.94 | 0.37 |
| 0.665 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.59 |
| 0 | 0 |
| 0.715 | 0.71 |
| 0 | 1 |
| 0.355 | 0 |
| 0 | 0.34 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 0.63 |
| 0.335 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.5 | 0 |
| 0.555 | 0 |
| 0 | 0 |
| 0.525 | 0 |
| 0.835 | 0 |
| 0 | 1 |
| 0.455 | 0 |
| 0 | 0 |
| 0.435 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0.95 |
| 0 | 0.77 |
| 0 | 1 |
| 0.415 | 1 |

Preprint
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| 0 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 0.315 | 0 |
| 0.5 | 0 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.335 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0 |
| 0.79 | 0 |
| 0 | 0 |
| 0.835 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0.715 | 0 |
| 0.715 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.59 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
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| 1 | 0 |
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| 0.91 | 0 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0.5 | 0 |
| 21 | 0.715 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0.715 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 1 | 0 |
| 31 | 0 | 0 |
| 32 | 0.74 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0.77 |
| 35 | 0 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 0.56 |
| 45 | 0 | 0 |
| 46 | 0.665 | 1 |
| 47 | 0 | 0 |
| 48 | 0 | 0.77 |
| 49 | 0.555 | 0 |
| 50 | 0 | 0 |
| 51 | 0.435 | 1 |
| 52 | 0 | 0.5 |
| 53 | 0 | 0 |
| 54 | 0 | 0.71 |
| 55 | 1 | 0 |
| 56 | | |
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|----|-------|------|
| 1 | 0 | 0 |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 0.91 |
| 7 | 0 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 1 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0.59 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0.56 |
| 22 | 0 | 0.8 |
| 23 | 0 | 0.8 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0.5 | 0.77 |
| 30 | 0.87 | 0 |
| 31 | 0.325 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0.665 | 0 |
| 39 | 0.415 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0.74 | 1 |
| 44 | 0 | 0.56 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0.5 | 0.43 |
| 51 | 0.79 | 0 |
| 52 | 0 | 0 |
| 53 | 1 | 0 |
| 54 | 0.415 | 0 |
| 55 | 0.74 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | 0 | 0 |
| 60 | 0 | 0 |

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| 0 | 1 |
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| 1 | 0 |
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| 0.77 | 0 |
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| 0.715 | 1 |
| 0 | 1 |
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| 0 | 0 |
| 0.59 | 0 |
| 0.6 | 0 |
| 0 | 0.43 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0 |
| 0.345 | 0 |
| 0.625 | 1 |
| 0 | 1 |
| 0.77 | 0.45 |
| 0.5 | 0 |
| 0.68 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.385 | 0 |
| 0.65 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0.77 |
| 0 | 0.91 |
| 0.37 | 0 |
| 0.6 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0.94 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.555 | 0 |
| 0 | 0 |
| 0 | 0 |
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For Peer Review

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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0.315 | 0.56 |
| 5 | 0 | 1 |
| 6 | 0.415 | 1 |
| 7 | 0.515 | 0 |
| 8 | 0.77 | 0 |
| 9 | 0 | 0 |
| 10 | 1 | 0.63 |
| 11 | 0 | 1 |
| 12 | 0.835 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.4 | 0 |
| 17 | 0.335 | 0.77 |
| 18 | 0 | 0 |
| 19 | 1 | 0.67 |
| 20 | 0.65 | 1 |
| 21 | 0 | 1 |
| 22 | 0.525 | 0 |
| 23 | 0.455 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0.645 | 0 |
| 28 | 0 | 0.59 |
| 29 | 0 | 0.91 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0.625 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 0.83 |
| 46 | 0 | 1 |
| 47 | 0 | 1 |
| 48 | 0 | 0.59 |
| 49 | 0 | 1 |
| 50 | 0 | 0.53 |
| 51 | 0 | 0 |
| 52 | 0.305 | 0 |
| 53 | 0.625 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 0.56 |
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| 0 | 0 |
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| 0 | 0.83 |
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| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
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| 0 | 1 |
| 0.65 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0.71 |
| 0.86 | 0 |
| 0 | 0.48 |
| 0 | 0.48 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.79 | 1 |
| 0.96 | 0 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 1 |
| 0 | 0 |
| 0.66 | 0 |
| 0 | 1 |
| 0 | 0.63 |
| 0 | 0.67 |
| 0 | 1 |
| 0 | 0.38 |
| 0 | 0 |
| 0 | 0 |
| 0.475 | 0 |
| 0 | 0.53 |

For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0.78 | 0 |
| 5 | 1 | 1 |
| 6 | 0 | 1 |
| 7 | 0.335 | 0 |
| 8 | 1 | 0 |
| 9 | 0.555 | 1 |
| 10 | 1 | 1 |
| 11 | 0 | 1 |
| 12 | 0.5 | 0.56 |
| 13 | 1 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0.59 |
| 17 | 0.37 | 0 |
| 18 | 0 | 1 |
| 19 | 0.515 | 0.63 |
| 20 | 0.88 | 0.83 |
| 21 | 0 | 1 |
| 22 | 1 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0.91 |
| 25 | 0.475 | 0 |
| 26 | 0.385 | 0 |
| 27 | 0 | 0 |
| 28 | 0.835 | 1 |
| 29 | 0.315 | 0 |
| 30 | 0 | 0 |
| 31 | 0.74 | 0.83 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0.665 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0.53 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0.665 | 0.91 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0.53 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0.5 | 0 |
| 53 | 0 | 0.36 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
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| 0 | 1 |
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| 0 | 0.5 |
| 0.345 | 0 |
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| 0 | 0 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 0.94 |
| 0 | 1 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 1 |
| 0.315 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0.355 | 1 |
| 0 | 0 |
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| 0 | 0.37 |
| 0.525 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0.71 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 0 |
| 0.77 | 0 |
| 0 | 0.53 |
| 0.645 | 0 |
| 0 | 0 |
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| 0 | 0.48 |
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| 0.555 | 1 |

For Peer Review

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| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.74 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.555 | 0 |
| 0 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0.91 | 0 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.835 | 0 |
| 0.455 | 1 |
| 0 | 0.71 |
| 0 | 1 |
| 0.91 | 0 |
| 0.625 | 1 |
| 0.835 | 0 |
| 0.535 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 1 |
| 0.76 | 0 |
| 0.95 | 0 |
| 0 | 0 |

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|-------|------|
| 0.96 | 0 |
| 0 | 0.77 |
| 0.77 | 0.83 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.79 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.79 | 0 |
| 0.525 | 0 |
| 0.575 | 0 |
| 0.835 | 0.71 |
| 0.525 | 1 |
| 0 | 0.63 |
| 0 | 0.63 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.71 |
| 1 | 0.91 |
| 1 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.48 |
| 0.5 | 0 |
| 0 | 0.43 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |

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| 0 | 1 |
| 0 | 1 |
| 0 | 0.5 |
| 0.435 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.77 |
| 0 | 0.77 |
| 0.625 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.525 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.575 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.87 |
| 0 | 0 |
| 0 | 0 |
| 0.555 | 0.91 |
| 0 | 0 |
| 0.305 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0 |

Preprint
Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.525 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0.91 |
| 5 | 0 | 0 |
| 6 | 0.475 | 0 |
| 7 | 0.805 | 0 |
| 8 | 1 | 0 |
| 9 | 0.88 | 0 |
| 10 | 0 | 0.71 |
| 11 | 0 | 0.59 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.65 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0.71 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 0.67 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0.71 |
| 44 | 0 | 1 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0.59 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0.6 | 0 |
| 54 | 0 | 0.71 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0.59 |
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|----|-------|------|
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0.4 | 0.45 |
| 4 | 0 | 0 |
| 5 | 0 | 0.59 |
| 6 | 0 | 1 |
| 7 | 0 | 0.48 |
| 8 | 0.65 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0.5 | 0.71 |
| 13 | 1 | 0 |
| 14 | 0 | 0.56 |
| 15 | 0 | 0 |
| 16 | 0.835 | 0 |
| 17 | 0.435 | 0 |
| 18 | 0 | 0.67 |
| 19 | 1 | 0 |
| 20 | 0.475 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0.77 |
| 33 | 0 | 0.83 |
| 34 | 0.95 | 0 |
| 35 | 0 | 1 |
| 36 | 0.91 | 0.63 |
| 37 | 0 | 1 |
| 38 | 0.455 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 0.77 |
| 46 | 0.88 | 0.56 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 1 | 0 |
| 51 | 0 | 0.83 |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | 0 | 0 |
| 60 | 0 | 0 |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0.95 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0.53 |
| 12 | 0 | 0.53 |
| 13 | 0 | 0 |
| 14 | 0.555 | 0.83 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0.575 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0.53 |
| 23 | 0 | 0 |
| 24 | 0.88 | 0 |
| 25 | 0.415 | 0.63 |
| 26 | 1 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0.71 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0.56 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 1 |
| 40 | 1 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0.435 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 0.71 |
| 48 | 0 | 0.77 |
| 49 | 0.485 | 0 |
| 50 | 0.95 | 1 |
| 51 | 0 | 1 |
| 52 | 0.335 | 0 |
| 53 | 0 | 0.63 |
| 54 | 0 | 0.91 |
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| 1 | 1 |
| 0 | 0.59 |
| 0 | 0 |
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| 0.435 | 0.71 |
| 0 | 1 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0 |
| 0.305 | 0 |
| 0 | 1 |
| 0 | 0.56 |
| 0.665 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 0.5 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.37 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0.385 | 0 |
| 11 | 0.37 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 1 | 0.63 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0.87 | 0 |
| 18 | 0 | 0.53 |
| 19 | 0 | 0 |
| 20 | 0.385 | 0 |
| 21 | 0.65 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0.475 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0.4 |
| 33 | 0.74 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0.43 |
| 39 | 0.57 | 0 |
| 40 | 0 | 1 |
| 41 | 0.6 | 1 |
| 42 | 0.455 | 0 |
| 43 | 0 | 0.53 |
| 44 | 0.415 | 1 |
| 45 | 0 | 0 |
| 46 | 0.575 | 0 |
| 47 | 1 | 0.45 |
| 48 | 0.455 | 0 |
| 49 | 0.79 | 0 |
| 50 | 0.715 | 1 |
| 51 | 0.535 | 1 |
| 52 | 0 | 0 |
| 53 | 1 | 1 |
| 54 | 0.65 | 1 |
| 55 | 0.96 | 0 |
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| 0 | 1 |
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| 0.355 | 0 |
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| 0.335 | 1 |
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| 0.475 | 0 |
| 0 | 1 |
| 0 | 0.63 |
| 0 | 1 |
| 0 | 1 |
| 0.625 | 0 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0.5 | 1 |
| 0.835 | 0.91 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0.77 |
| 0.645 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0.59 |
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| 0.6 | 0.95 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.83 |
| 0.715 | 0 |
| 1 | 0.71 |
| 1 | 0 |
| 0.6 | 0 |
| 0.455 | 1 |
| 0 | 0.71 |
| 0.75 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.315 | 1 |
| 0 | 0 |
| 1 | 0.95 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0.715 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.925 | 0 |
| 0.525 | 0 |
| 0 | 0.63 |
| 0 | 0.83 |
| 0.415 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.335 | 0 |
| 0.335 | 0 |
| 0.355 | 0 |
| 0.895 | 0 |
| 0.525 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 0.77 | 0 |
| 0.835 | 0 |
| 1 | 0 |
| 0.4 | 0 |
| 0.75 | 0 |
| 1 | 0 |
| 0 | 0 |

For Peer Review

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| 1 | | |
| 2 | 0.5 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0.91 |
| 5 | 0.69 | 0 |
| 6 | 0 | 0 |
| 7 | | |
| 8 | 0.605 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | | |
| 14 | 0.625 | 0 |
| 15 | 0 | 0.37 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0.5 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | | |
| 24 | 0 | 0.83 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | | |
| 30 | 0.8 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 1 | 1 |
| 43 | | |
| 44 | 1 | 0 |
| 45 | 0 | 0.91 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0.91 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0.94 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 0.77 |
| 57 | | |
| 58 | 0 | 0 |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0.665 | 0.83 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 0.43 |
| 9 | 0 | 0 |
| 10 | 0.415 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0.88 | 0 |
| 16 | 0.385 | 0.45 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0.715 | 0 |
| 22 | 0.78 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 0.71 |
| 31 | 0.97 | 0 |
| 32 | 0 | 0.43 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0.91 | 0.77 |
| 43 | 0 | 1 |
| 44 | 0.415 | 1 |
| 45 | 0.805 | 0 |
| 46 | 0 | 1 |
| 47 | 0 | 0.95 |
| 48 | 1 | 0.67 |
| 49 | 0 | 0 |
| 50 | 0.4 | 1 |
| 51 | 0 | 0 |
| 52 | 1 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0.575 | 1 |
| 58 | | |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.91 |
| 3 | 0 | 0 |
| 4 | 0.355 | 0 |
| 5 | 0 | 0 |
| 6 | 0.5 | 0 |
| 7 | 0.5 | 0 |
| 8 | 0.835 | 0.77 |
| 9 | 0 | 0.45 |
| 10 | 0 | 1 |
| 11 | 0 | 0 |
| 12 | 0 | 0.34 |
| 13 | 0 | 0.83 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 1 |
| 19 | 0 | 0.56 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0.525 | 1 |
| 28 | 0 | 1 |
| 29 | 0.54 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0.315 | 1 |
| 35 | 0 | 0.67 |
| 36 | 0 | 0 |
| 37 | 0.835 | 0 |
| 38 | 1 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0.37 | 1 |
| 44 | 0 | 0.77 |
| 45 | 1 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 1 | 0 |
| 53 | 1 | 0 |
| 54 | 0 | 1 |
| 55 | 0.75 | 0 |
| 56 | 0 | 0.71 |
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| 0 | 1 |
| 0.65 | 0 |
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| 0.715 | 0 |
| 0.95 | 0 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 1 | 1 |
| 0 | 0 |
| 0 | 0.42 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.715 | 0.63 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.555 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0.75 | 0 |
| 0.715 | 0 |
| 0 | 1 |
| 0 | 0.71 |
| 0.345 | 0.83 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.87 |
| 0 | 1 |
| 0 | 0 |
| 0.68 | 0 |
| 1 | 0 |

Preprint
Peer Review

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|-------|------|
| 0 | 1 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0 |
| 0.325 | 0.83 |
| 1 | 1 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.575 | 0.5 |
| 0 | 0 |
| 1 | 1 |
| 0 | 0.91 |
| 0 | 0.63 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.475 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.515 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.71 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.475 | 1 |
| 0.87 | 0 |
| 0 | 0 |
| 0.435 | 1 |
| 0.475 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0.77 |
| 0 | 0.77 |
| 0 | 0.71 |
| 0.65 | 0 |
| 0 | 0 |
| 0.6 | 1 |
| 1 | 0 |
| 0.715 | 1 |

Preprint
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0.625 | 0 |
| 4 | 0 | 1 |
| 5 | 0.87 | 0 |
| 6 | 0.54 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0.67 |
| 9 | 0.665 | 0.67 |
| 10 | 0.79 | 0.8 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0.57 | 0 |
| 15 | 0 | 0 |
| 16 | 0.455 | 0.91 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0.835 | 0.83 |
| 28 | 0 | 1 |
| 29 | 1 | 0 |
| 30 | 0 | 0 |
| 31 | 1 | 0 |
| 32 | 0.545 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0.42 |
| 38 | 0.75 | 1 |
| 39 | 0.715 | 0.63 |
| 40 | 0.91 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 0.83 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0.83 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0.83 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.8 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.715 | 0.91 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.665 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0 |
| 0.555 | 0 |
| 0.665 | 0.83 |
| 0 | 1 |
| 0.625 | 0 |
| 0 | 1 |
| 0.68 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.67 |

For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.48 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 0.91 |
| 9 | 0 | 0 |
| 10 | 0 | 0.91 |
| 11 | 0.95 | 0 |
| 12 | 1 | 1 |
| 13 | 0.69 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0.71 |
| 21 | 0.8 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0.87 |
| 28 | 0 | 0.67 |
| 29 | 0 | 0.48 |
| 30 | 0 | 0.45 |
| 31 | 0 | 0.53 |
| 32 | 0 | 0 |
| 33 | 0.59 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 0 |
| 38 | 0 | 0.83 |
| 39 | 0 | 0.77 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0.95 | 0 |
| 45 | 0 | 0.53 |
| 46 | 0 | 0 |
| 47 | 0.315 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0 | 0.77 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0.59 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | | |
| 7 | 1 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.415 | 0.91 |
| 12 | 0 | 1 |
| 13 | 0.665 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 0.83 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0.71 |
| 36 | 0.335 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 0.56 |
| 39 | 0 | 0 |
| 40 | 0.95 | 0 |
| 41 | 0.455 | 0 |
| 42 | 0.805 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0.8 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0.44 | 0.77 |
| 54 | 0 | 1 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 0 | 0 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.435 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0.4 |
| 7 | 0 | 0.43 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.835 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0.94 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 1 | 0.37 |
| 17 | 0 | 1 |
| 18 | 0.5 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0.95 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0.335 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0.91 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0.575 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 1 |
| 49 | 0.835 | 0 |
| 50 | 0.665 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 1 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0.835 | 0 |
| 58 | | |
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| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0.63 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.715 | 0 |
| 0 | 1 |
| 0.315 | 0 |
| 0.77 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.83 |
| 0 | 0 |
| 0.75 | 1 |
| 0 | 0 |
| 0 | 0.36 |
| 0 | 0 |
| 0.385 | 0.83 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0.53 |
| 0 | 0 |
| 0.715 | 0 |
| 0.625 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0.715 | 1 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 1 |
| 1 | 0.67 |
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For Peer Review

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| 0 | 1 |
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| 0 | 0.79 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.77 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0.42 |
| 0.77 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.625 | 0.63 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0.37 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0.77 |
| 0 | 1 |
| 0.715 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.91 | 1 |
| 1 | 1 |
| 0.95 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.415 | 0 |
| 0.715 | 0 |
| 0.355 | 0 |
| 0.59 | 0.87 |

Peer Review

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| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0.88 | 0 |
| 6 | 0 | 0.77 |
| 7 | 0.555 | 0 |
| 8 | 0.555 | 0 |
| 9 | 0.525 | 0 |
| 10 | 0.79 | 0 |
| 11 | 0.665 | 1 |
| 12 | 0.75 | 0 |
| 13 | 0.715 | 0.59 |
| 14 | 0 | 1 |
| 15 | 0.335 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0.34 |
| 21 | 0.75 | 0.5 |
| 22 | 0 | 0.43 |
| 23 | 0 | 1 |
| 24 | 0.5 | 0.71 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0.59 |
| 33 | 0 | 1 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 0.63 |
| 40 | 0 | 0 |
| 41 | 0 | 0.59 |
| 42 | 0 | 0.59 |
| 43 | 0 | 0.59 |
| 44 | 1 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0.67 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0.59 |
| 52 | 0 | 1 |
| 53 | 0 | 0.91 |
| 54 | 0.75 | 0 |
| 55 | 0 | 0.95 |
| 56 | 0 | 0 |
| 57 | | |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.555 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 0.63 |
| 6 | 0 | 1 |
| 7 | 0 | 0.71 |
| 8 | 0 | 0.83 |
| 9 | 0 | 0 |
| 10 | 0 | 1 |
| 11 | 0.555 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.625 | 0.77 |
| 19 | 0 | 0.71 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0.45 |
| 23 | 0 | 1 |
| 24 | 0.75 | 0 |
| 25 | 0 | 0 |
| 26 | 0.94 | 0.43 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0.415 | 0 |
| 30 | 0.555 | 0 |
| 31 | 0 | 0.83 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0.525 | 1 |
| 35 | 0.625 | 0.91 |
| 36 | 0.5 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0.455 | 1 |
| 41 | 0 | 0 |
| 42 | 0.59 | 0 |
| 43 | 0.96 | 0 |
| 44 | 0.68 | 1 |
| 45 | 1 | 1 |
| 46 | 0.455 | 0 |
| 47 | 0 | 0 |
| 48 | 0.5 | 0 |
| 49 | 0.86 | 0 |
| 50 | 0 | 0.77 |
| 51 | | |
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| 0 | 0 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 1 |
| 0 | 1 |
| 1 | 1 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 0.45 |
| 1 | 0 |
| 0 | 0 |
| 1 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.77 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0.555 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.6 | 0.67 |
| 0 | 1 |
| 0.68 | 0.59 |
| 0 | 0.56 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0 |

For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.315 | 0.42 |
| 3 | 0.435 | 1 |
| 4 | 0.715 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 1 | 0.71 |
| 14 | 0.335 | 1 |
| 15 | 0.355 | 0 |
| 16 | 0 | 1 |
| 17 | 0.575 | 0.71 |
| 18 | 0.6 | 0.71 |
| 19 | 0 | 0 |
| 20 | 0 | 0.56 |
| 21 | 0 | 0 |
| 22 | 0 | 0.31 |
| 23 | 0 | 0.83 |
| 24 | 0 | 0 |
| 25 | 0.65 | 0 |
| 26 | 0 | 0.53 |
| 27 | 0.835 | 0 |
| 28 | 0 | 0.59 |
| 29 | 0 | 0.45 |
| 30 | 0 | 1 |
| 31 | 0 | 0.43 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0.79 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0.48 |
| 45 | 0 | 0.42 |
| 46 | 0 | 0 |
| 47 | 1 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
| 50 | 0.5 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 1 | 0 |
| 56 | 0 | 0.71 |
| 57 | | |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.535 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 1 | 1 |
| 10 | 0.77 | 0.91 |
| 11 | 0 | 1 |
| 12 | 0 | 0.63 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.335 | 0.59 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0.5 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0.56 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0.77 | 0 |
| 31 | 0.515 | 0 |
| 32 | 0.385 | 0 |
| 33 | 0 | 1 |
| 34 | 0.44 | 1 |
| 35 | 0.475 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 0.91 |
| 43 | 0 | 0.77 |
| 44 | 0.315 | 0.5 |
| 45 | 0.625 | 0 |
| 46 | 0 | 0.67 |
| 47 | 0 | 0 |
| 48 | 0.4 | 0 |
| 49 | 0.895 | 0 |
| 50 | 0.385 | 0 |
| 51 | 0 | 0.56 |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 1 | 0 |
| 3 | 0.66 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0.56 |
| 7 | 0.77 | 0 |
| 8 | 0.77 | 0 |
| 9 | 0 | 0.77 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0.83 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0.455 | 0 |
| 18 | 0 | 1 |
| 19 | 1 | 0 |
| 20 | 1 | 0.83 |
| 21 | 0 | 0 |
| 22 | 0.64 | 1 |
| 23 | 0.575 | 1 |
| 24 | 0 | 0 |
| 25 | 0.87 | 0.83 |
| 26 | 0.355 | 0 |
| 27 | 0 | 0.63 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0.59 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0.715 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0.625 | 0 |
| 37 | 0 | 1 |
| 38 | 1 | 0.83 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0.71 |
| 42 | 0 | 0 |
| 43 | 0 | 0.91 |
| 44 | 0.87 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0.59 |
| 47 | 0 | 0 |
| 48 | 0 | 0.83 |
| 49 | 0.625 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0.59 |
| 52 | 0 | 0 |
| 53 | 0 | 0.83 |
| 54 | 0.625 | 0 |
| 55 | 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 0.5 |
| 5 | 0.555 | 0 |
| 6 | 0 | 0.63 |
| 7 | 0 | 0.67 |
| 8 | 0.91 | 0 |
| 9 | 0.91 | 0 |
| 10 | 0.86 | 1 |
| 11 | 0.575 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0.625 | 1 |
| 17 | 0.59 | 0 |
| 18 | 1 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0.95 | 0 |
| 22 | 0.715 | 0 |
| 23 | 0.625 | 0 |
| 24 | 0.415 | 0 |
| 25 | 0.665 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0.68 | 0 |
| 30 | 0 | 0.5 |
| 31 | 0 | 0 |
| 32 | 1 | 0 |
| 33 | 0.88 | 1 |
| 34 | 0.6 | 0 |
| 35 | 0 | 0.83 |
| 36 | 0 | 0.91 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0.94 | 0 |
| 40 | 0 | 1 |
| 41 | 0.65 | 0.59 |
| 42 | 0 | 1 |
| 43 | 0 | 0.91 |
| 44 | 0 | 0 |
| 45 | 1 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0.5 | 0 |
| 50 | 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.48 |
| 3 | 0.68 | 0 |
| 4 | 0.5 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0.335 | 0 |
| 10 | 0.335 | 0 |
| 11 | 0.75 | 0 |
| 12 | 0 | 0 |
| 13 | 0.625 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 1 | 1 |
| 19 | 0.69 | 0.91 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0.555 | 0.77 |
| 24 | 0 | 0 |
| 25 | 0.54 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0.535 | 0 |
| 30 | 0 | 1 |
| 31 | 0.475 | 0 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0.69 |
| 36 | 0 | 0.71 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0.77 |
| 45 | 0 | 1 |
| 46 | 1 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0.555 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0.45 |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0.75 | 0 |
| 5 | 0.515 | 0 |
| 6 | 0 | 0 |
| 7 | 0.355 | 0 |
| 8 | 0.79 | 1 |
| 9 | 0 | 0.67 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0.385 | 0 |
| 13 | 0.835 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0.91 |
| 16 | 0.325 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 1 |
| 19 | 1 | 1 |
| 20 | 0.5 | 0.53 |
| 21 | 0 | 0.45 |
| 22 | 0 | 1 |
| 23 | 0 | 0.71 |
| 24 | 0 | 0 |
| 25 | 0.805 | 0 |
| 26 | 0 | 1 |
| 27 | 1 | 0.77 |
| 28 | 0 | 0 |
| 29 | 0.835 | 0 |
| 30 | 0.625 | 0 |
| 31 | 0.435 | 0.45 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 1 | 1 |
| 35 | 0 | 0.91 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0.69 | 1 |
| 40 | 0.715 | 0.5 |
| 41 | 0 | 1 |
| 42 | 0 | 0.43 |
| 43 | 1 | 1 |
| 44 | 0 | 0.59 |
| 45 | 0.475 | 0.63 |
| 46 | 1 | 0 |
| 47 | 0.665 | 0 |
| 48 | 0.835 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.83 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0.77 | 0 |
| 6 | 0 | 0.91 |
| 7 | 0 | 0.67 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 0.67 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0.65 | 0.77 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0.75 | 1 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 1 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 1 | 0 |
| 34 | 0 | 1 |
| 35 | 0.5 | 1 |
| 36 | 0.5 | 0 |
| 37 | 0 | 0.71 |
| 38 | 1 | 0.91 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0.335 | 0 |
| 42 | 0 | 0 |
| 43 | 0.5 | 1 |
| 44 | 0 | 0.77 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 0 |
| 49 | 0 | 0.59 |
| 50 | 0.79 | 1 |
| 51 | 0 | 0.34 |
| 52 | 0.485 | 0.53 |
| 53 | 0.715 | 0 |
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| 1 | | |
| 2 | 1 | 0 |
| 3 | 0.625 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 0.45 |
| 6 | 0 | 0 |
| 7 | 1 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0.67 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.455 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0.59 |
| 25 | 0 | 0 |
| 26 | 0 | 0.8 |
| 27 | 0 | 0.8 |
| 28 | 0 | 0 |
| 29 | 0 | 0.77 |
| 30 | 0 | 0.45 |
| 31 | 0 | 1 |
| 32 | 0 | 0.56 |
| 33 | 0 | 1 |
| 34 | 0.835 | 1 |
| 35 | 0.385 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0.68 | 0 |
| 41 | 0.475 | 1 |
| 42 | 0.715 | 0.83 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0.88 | 0 |
| 46 | 0 | 1 |
| 47 | 0.555 | 0.63 |
| 48 | 0 | 0 |
| 49 | 0.5 | 0 |
| 50 | 0.87 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
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| 0 | 0 |
| 0.345 | 0.77 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0.43 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.56 |
| 0.77 | 0 |
| 1 | 0 |
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| 0 | 1 |
| 0.65 | 0.63 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 1 |
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| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0.555 | 0 |
| 0 | 1 |
| 0.77 | 0 |
| 0 | 0.67 |
| 0 | 1 |
| 0 | 1 |
| 0.5 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 1 |
| 0.415 | 0 |
| 0.515 | 1 |
| 0 | 0 |
| 0 | 1 |
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| 0.515 | 1 |
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For Peer Review

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| 0 | 0.63 |
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| 0.355 | 0.56 |
| 0.455 | 0 |
| 0 | 0 |
| 1 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.87 |
| 0 | 0 |
| 0 | 0 |
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| 0.555 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0.94 | 1 |
| 0 | 0 |
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| 1 | | |
| 2 | 0.715 | 0 |
| 3 | 0.79 | 0 |
| 4 | 0.485 | 0 |
| 5 | 0.43 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0.67 |
| 8 | 0.835 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0.97 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 0 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0.5 | 0 |
| 22 | 0 | 0.48 |
| 23 | 0.385 | 0 |
| 24 | 1 | 0.48 |
| 25 | 0 | 0.59 |
| 26 | 1 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0.71 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0.71 |
| 35 | 0 | 0.48 |
| 36 | 0 | 1 |
| 37 | 0.94 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0.59 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0.5 | 0 |
| 45 | 0 | 0 |
| 46 | 0.715 | 0 |
| 47 | 0.665 | 0.67 |
| 48 | 0 | 0 |
| 49 | 0 | 0.67 |
| 50 | 1 | 0 |
| 51 | 1 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.5 |
| 0 | 1 |
| 0.54 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.59 | 0.53 |
| 0.77 | 1 |
| 0.835 | 0 |
| 1 | 0 |
| 0.895 | 0 |
| 0 | 0 |
| 0.59 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.835 | 1 |
| 0 | 0 |
| 0.74 | 0 |
| 1 | 0.71 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.715 | 0 |
| 0.715 | 0 |
| 0.385 | 0 |
| 0 | 1 |
| 1 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0.385 | 0 |
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| 0 | 0 |
| 0 | 0.5 |
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| 0 | 0 |
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| 0 | 0.45 |
| 0 | 0.83 |
| 0 | 0 |
| 0.555 | 0.71 |
| 0 | 1 |
| 0.385 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.95 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 1 |
| 0 | 0.5 |
| 0 | 0 |
| 0 | 0.63 |
| 1 | 0.91 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.61 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.74 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0.91 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.69 |
| 0 | 0.91 |
| 0.455 | 1 |
| 0.555 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.47 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.625 | 0 |
| 0.8 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.415 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0.415 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 1 |
| 0.355 | 0 |
| 0 | 0 |
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| 1 | 0 |
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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0.835 | 0 |
| 10 | 0.355 | 1 |
| 11 | 0.91 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.555 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 1 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0.8 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0.315 | 1 |
| 34 | 0 | 0.5 |
| 35 | 0 | 0.67 |
| 36 | 0 | 0.48 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0.67 |
| 40 | 0 | 0 |
| 41 | 0 | 0.4 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0.335 | 1 |
| 46 | 0.345 | 1 |
| 47 | 0.65 | 1 |
| 48 | 0.95 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0.63 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0.79 | 0 |
| 55 | 0.79 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0.385 | 0.53 |
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| 0 | 0 |
| 0 | 0.77 |
| 0 | 1 |
| 0.525 | 0 |
| 0 | 0 |
| 0.96 | 0 |
| 0.475 | 1 |
| 0.335 | 0 |
| 0.475 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0 |
| 0.305 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0.485 | 0 |
| 0.5 | 0 |
| 0 | 0 |
| 0.88 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.43 | 0 |
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| 0.715 | 0 |

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|----|-------|------|
| 1 | | |
| 2 | 0.805 | 0.91 |
| 3 | 0.665 | 0 |
| 4 | 0 | 0.77 |
| 5 | 0 | 0 |
| 6 | 0 | 0.45 |
| 7 | 0 | 0 |
| 8 | 0 | 0.5 |
| 9 | 0.625 | 0 |
| 10 | 0.95 | 0 |
| 11 | 1 | 0.63 |
| 12 | 0 | 1 |
| 13 | 0 | 0.91 |
| 14 | 0.435 | 0 |
| 15 | 1 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.555 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0.37 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0.56 |
| 25 | 0 | 0 |
| 26 | 0.68 | 0.91 |
| 27 | 0 | 0 |
| 28 | 0.525 | 0 |
| 29 | 1 | 0 |
| 30 | 0.68 | 1 |
| 31 | 0.625 | 0 |
| 32 | 0.455 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0.835 | 0 |
| 37 | 0 | 0.59 |
| 38 | 0 | 0.59 |
| 39 | 0 | 1 |
| 40 | 0 | 0 |
| 41 | 0 | 0.42 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0.56 |
| 47 | 0 | 0 |
| 48 | 0.88 | 0 |
| 49 | 0.835 | 0 |
| 50 | 0 | 1 |
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| 0 | 0 |
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| 0.625 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.525 | 1 |
| 0.525 | 1 |
| 0 | 0.63 |
| 0.525 | 0.91 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 1 | 1 |
| 0 | 0 |
| 0.335 | 0.95 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.37 | 0 |
| 0 | 0 |
| 0.77 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0 |
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| 0.8 | 0 |
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| 0 | 0 |
| 0 | 0.71 |
| 1 | 0.77 |
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| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0.83 |
| 0.555 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.79 | 1 |
| 0.355 | 0 |
| 0.575 | 0 |
| 0.715 | 0 |
| 0 | 0.95 |
| 0 | 0 |
| 0.5 | 0 |
| 0.79 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 0.395 | 0 |
| 1 | 0 |
| 0 | 0.63 |
| 0 | 0.67 |
| 0 | 1 |
| 0.59 | 0 |
| 0 | 0 |
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| 0 | 0.67 |
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| 0.895 | 0 |
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| 0.735 | 0 |
| 0 | 0 |
| 0.435 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.48 |
| 0 | 1 |
| 0 | 1 |
| 0.59 | 1 |
| 0.65 | 0.91 |
| 0.715 | 0 |
| 0 | 0.71 |
| 0.5 | 0 |
| 0 | 0 |
| 0.97 | 0 |
| 0.37 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0.65 | 1 |
| 0.44 | 1 |
| 0.44 | 1 |
| 0 | 0 |
| 0.76 | 1 |
| 0 | 1 |
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| 0.835 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0.87 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 1 |
| 0 | 1 |
| 0.57 | 0.59 |
| 0.665 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.455 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0.6 | 0 |
| 0.455 | 0 |
| 0 | 1 |
| 0 | 0.91 |
| 0 | 0.59 |
| 0.625 | 0.71 |
| 0.44 | 0.91 |
| 0 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0.91 |
| 0.4 | 1 |
| 0.665 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.355 | 1 |
| 0.415 | 0.77 |
| 0 | 0 |
| 0.455 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.63 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.575 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 0.91 |
| 6 | 0 | 0.37 |
| 7 | 0 | 0 |
| 8 | 0 | 0.71 |
| 9 | 0 | 0 |
| 10 | 0 | 0.83 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 1 | 0 |
| 27 | 0 | 0 |
| 28 | 1 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0.75 | 0.91 |
| 35 | 0.315 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0.91 |
| 39 | 0.385 | 1 |
| 40 | 0 | 0 |
| 41 | 0 | 0.77 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 0.56 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 1 | 1 |
| 48 | 0 | 0.91 |
| 49 | 0.54 | 0 |
| 50 | 0.4 | 0 |
| 51 | 0.525 | 0 |
| 52 | 0.625 | 0.77 |
| 53 | 0 | 0.71 |
| 54 | 0 | 0 |
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| 0.79 | 0 |
| 0.835 | 0 |
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| 0.475 | 0 |
| 0 | 0.91 |
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| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.315 | 0 |
| 1 | 0 |
| 0 | 0.43 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0.8 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0.63 |
| 0 | 0.83 |
| 0.94 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0.515 | 0 |
| 0 | 1 |
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| 0 | 0.63 |
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For Peer Review

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| 0 | 0 |
| 0 | 0 |
| 0.695 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0.48 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.715 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.555 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0.625 | 0 |
| 0.77 | 1 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0.335 | 1 |
| 0.335 | 1 |
| 0.435 | 1 |

For Peer Review

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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 1 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 0.83 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0.67 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 0.83 |
| 21 | 0 | 0.71 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0.91 |
| 43 | 0.385 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 1 | 0 |
| 48 | 0 | 0 |
| 49 | 0.6 | 0 |
| 50 | 0 | 0.67 |
| 51 | 0 | 0 |
| 52 | 0.475 | 0 |
| 53 | 0.5 | 0.48 |
| 54 | 0 | 0 |
| 55 | 0 | 0.45 |
| 56 | 0 | 0.59 |
| 57 | | |
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| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.355 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0.42 |
| 0.335 | 0.67 |
| 0 | 1 |
| 0.4 | 0 |
| 0 | 0 |
| 0 | 0.8 |
| 0 | 0.67 |
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| 0 | 0.45 |
| 0 | 0 |
| 0.625 | 0.83 |
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| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 0.67 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 0.83 |
| 10 | 0.415 | 1 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0.43 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0.68 | 0 |
| 41 | 0.335 | 0 |
| 42 | 0.77 | 0 |
| 43 | 0 | 0 |
| 44 | 0.315 | 1 |
| 45 | 0 | 1 |
| 46 | 0.79 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 0.53 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 1 |
| 58 | | |
| 59 | | |
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| 0 | 0 |
| 0.475 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0.83 |
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| 0.57 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.48 |
| 0 | 1 |
| 0 | 1 |
| 0.715 | 1 |
| 0 | 1 |
| 0 | 0.63 |
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| 0 | 0.67 |
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| 0 | 1 |
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| 0 | 0.53 |
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| 0 | 0.53 |
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| 0 | 1 |
| 0 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0.625 | 0.77 |
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| 0.625 | 0 |
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| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 0.31 |
| 5 | 0 | 0 |
| 6 | 0 | 0.59 |
| 7 | 0 | 0.63 |
| 8 | 0 | 0.77 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 1 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 1 | 1 |
| 18 | 0 | 1 |
| 19 | 0.625 | 1 |
| 20 | 0.555 | 1 |
| 21 | 0.715 | 0 |
| 22 | 0 | 0 |
| 23 | 0.75 | 0 |
| 24 | 0 | 1 |
| 25 | 0.455 | 0 |
| 26 | 0.625 | 0 |
| 27 | 0.525 | 0 |
| 28 | 0 | 0 |
| 29 | 1 | 1 |
| 30 | 0 | 0 |
| 31 | 0.68 | 0.83 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 0.56 |
| 35 | 0 | 0.53 |
| 36 | 0 | 1 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0.715 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0.95 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 1 |
| 47 | 0.415 | 0 |
| 48 | 0 | 1 |
| 49 | 0.625 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 0.42 |
| 52 | 0 | |
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| 0 | 0.59 |
| 0.715 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.625 | 0 |
| 0 | 1 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 1 |
| 0 | 0 |
| 0.385 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0.385 | 0 |
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| 0.715 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 1 | 0 |
| 5 | 0.77 | 0 |
| 6 | 0 | 0 |
| 7 | 1 | 0 |
| 8 | 0.405 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0.525 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 0.67 |
| 32 | 0.77 | 0 |
| 33 | 0 | 1 |
| 34 | 0.59 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0.555 | 1 |
| 41 | 0.355 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0.83 |
| 47 | 0 | 1 |
| 48 | 0 | 0.53 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0.665 | 1 |
| 54 | 0 | 0.67 |
| 55 | 0.7 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 1 | 0.91 |
| 0 | 1 |
| 0.65 | 0 |
| 0 | 0 |
| 0.455 | 1 |
| 0 | 1 |
| 0.94 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.4 | 0.97 |
| 0.475 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.77 | 0.56 |
| 0.8 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.6 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.75 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.95 | 0.63 |
| 1 | 0 |
| 0 | 0 |
| 0.835 | 0.8 |
| 0 | 0.42 |
| 0.625 | 0 |
| 1 | 0 |
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| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0.56 |
| 7 | 0 | 0.56 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0.95 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0.45 |
| 25 | 0.5 | 0 |
| 26 | 0.555 | 0 |
| 27 | 0.385 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 1 | 0 |
| 34 | 0 | 0 |
| 35 | 0.79 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0.715 | 1 |
| 40 | 0 | 0 |
| 41 | 0.525 | 1 |
| 42 | 0 | 0.37 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0.45 |
| 48 | 0 | 0 |
| 49 | 0.47 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 0.87 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 0.77 |
| 57 | 0 | 1 |
| 58 | 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.48 |
| 0.8 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.91 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0.415 | 0.71 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.77 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.555 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.335 | 0.83 |
| 0.315 | 0 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
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For Peer Review

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| 1 | | |
| 2 | 0 | 0.42 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.385 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0.56 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 1 | 0 |
| 20 | 0 | 0.91 |
| 21 | 0 | 0.71 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0.6 | 0.59 |
| 29 | 0 | 1 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0.435 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0.59 | 0 |
| 38 | 0 | 0.77 |
| 39 | 0.455 | 1 |
| 40 | 0 | 0.91 |
| 41 | 0 | 0 |
| 42 | 0 | 0.8 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0.525 | 0 |
| 53 | 0.355 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0.67 |
| 56 | 0.665 | 0.91 |
| 57 | 0.715 | 0 |
| 58 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.77 | 0 |
| 3 | 0.59 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0.71 |
| 6 | 0.665 | 0 |
| 7 | 0 | 0 |
| 8 | 0.385 | 0 |
| 9 | 0.65 | 1 |
| 10 | 0.555 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0.645 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0.45 |
| 24 | 0.6 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 0.67 |
| 27 | 0 | 0 |
| 28 | 0.8 | 0 |
| 29 | 0.385 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0.67 |
| 33 | 1 | 1 |
| 34 | 0 | 0 |
| 35 | 0.335 | 0 |
| 36 | 0.77 | 0 |
| 37 | 0 | 0 |
| 38 | 0.79 | 0 |
| 39 | 0 | 1 |
| 40 | 1 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 1 | 0.67 |
| 45 | 0.87 | 1 |
| 46 | 0.74 | 0.83 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0.385 | 0.63 |
| 50 | 0.5 | 0 |
| 51 | 0.5 | 0 |
| 52 | 0 | 0 |
| 53 | 0.94 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.91 |
| 0 | 0.53 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.94 | 0.91 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 0.43 |
| 0 | 0 |
| 0 | 0 |
| 0.75 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.415 | 0 |
| 0.77 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
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| 0.315 | 0 |
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| 0.325 | 0 |
| 0.645 | 0 |
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| 0.835 | 0 |
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| 0 | 0.56 |
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| 0 | 0 |
| 0.335 | 0.53 |
| 1 | 0 |
| 0.37 | 1 |
| 0 | 0 |
| 0 | 0.63 |
| 0.44 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0.63 |
| 0 | 0.71 |
| 0.79 | 0 |
| 0 | 0.67 |
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| 0 | 0 |
| 1 | 0 |
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| 0.86 | 0 |
| 0 | 1 |
| 0 | 0.71 |
| 0.475 | 0 |
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| 0 | 0.95 |
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| 1 | 1 |
| 1 | 0 |
| 1 | 0 |
| 0.355 | 0 |
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| 0 | 0.71 |
| 1 | 0 |
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| 0 | 0.59 |
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| 0.6 | 1 |

For Peer Review

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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0.835 | 0.53 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0.77 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0.79 | 0.71 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.88 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0.53 |
| 38 | 0.8 | 0 |
| 39 | 0 | 0.5 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0.345 | 1 |
| 43 | 1 | 0 |
| 44 | 0.59 | 0 |
| 45 | 0.475 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0.455 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0.5 |
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| 0 | 1 |
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| 0.365 | 0 |
| 0.475 | 1 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.63 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0 |
| 0.625 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.455 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.6 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
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| 0.5 | 0 |
| 0 | 0.83 |
| 0 | 0 |
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| 1 | | |
| 2 | 0 | 0.67 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0.74 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0.355 | 0.83 |
| 10 | 0 | 0 |
| 11 | 0.5 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 0 |
| 18 | 0 | 0.91 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0.515 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0.48 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0.4 | 0 |
| 36 | 1 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0.56 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0.67 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0.715 | 0 |
| 54 | 0 | 1 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 0 | 0 |
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| 0.335 | 0 |
| 0 | 0.74 |
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| 0.315 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.715 | 0 |
| 0.68 | 0.63 |
| 0 | 0 |
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| 0.355 | 0 |
| 0.74 | 0.4 |
| 0.475 | 0.91 |
| 0.525 | 0 |
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| 0.475 | 0 |
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| 0.665 | 1 |
| 0 | 0 |
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| 0 | 0.63 |
| 1 | 0 |
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| 0.625 | 0 |
| 0.625 | 0 |
| 1 | 0 |
| 0.665 | 0.97 |
| 0 | 0.63 |
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| 0.37 | 0.71 |
| 0.485 | 0 |
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| 0.5 | 1 |
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| 0.385 | 0.87 |
| 0.75 | 0.71 |
| 0 | 0 |
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| 0.91 | 0 |
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| 0.79 | 0 |
| 0 | 0 |
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| 0.555 | 0 |
| 0 | 0 |
| 0.44 | 0.53 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0.42 |
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| 0.4 | 0 |
| 0 | 0 |
| 0.325 | 0.77 |
| 0 | 0 |
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| 0 | 0.8 |
| 0.625 | 0 |
| 0 | 0 |
| 0.715 | 0 |
| 0 | 0 |
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| 0.91 | 1 |
| 0.525 | 0 |
| 0.625 | 0.48 |
| 0.315 | 0 |
| 0.475 | 0 |
| 0 | 1 |
| 0 | 0.3 |
| 0 | 0.59 |
| 0.5 | 1 |
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| 0 | 0.56 |
| 0 | 0 |
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| 0.77 | 0.83 |
| 0 | 0 |
| 0.555 | 1 |
| 0.555 | 1 |
| 0.5 | 0 |
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| 0 | 1 |
| 0.625 | 0.91 |
| 0.475 | 0 |
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| 0.79 | 0 |
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| 0.355 | 0 |
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| 0.335 | 0 |
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| 0.415 | 0 |
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| 0 | 0.94 |
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| 0 | 0 |
| 1 | 0 |
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| 0.455 | 1 |
| 1 | 0 |
| 0.385 | 0.45 |
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| 0.715 | 1 |
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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0.5 | 0 |
| 6 | 0 | 0.77 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0.525 | 1 |
| 12 | 0 | 0 |
| 13 | 0.385 | 0 |
| 14 | 0 | 0.97 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0.63 |
| 20 | 0.895 | 0 |
| 21 | 0.6 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0.94 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0.67 |
| 30 | 0.315 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0.47 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0.74 | 0.83 |
| 38 | 0.68 | 0 |
| 39 | 0 | 0 |
| 40 | 0.44 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0.555 | 1 |
| 44 | 0 | 0 |
| 45 | 1 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0.43 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0.315 | 0 |
| 51 | 0 | 0.71 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
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| 1 | 0 | 0 |
| 2 | 0.35 | 0 |
| 3 | 0.575 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0.315 | 0.63 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0.31 |
| 12 | 0 | 0 |
| 13 | 0 | 0.45 |
| 14 | 0 | 0 |
| 15 | 0.415 | 0 |
| 16 | 0 | 0 |
| 17 | 0.535 | 0 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0.53 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 0.4 |
| 27 | 0 | 1 |
| 28 | 0 | 0.48 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0.56 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
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| 39 | 0 | 0.56 |
| 40 | 0 | 1 |
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| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0.555 | 0 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0.71 |
| 52 | 0 | 0.59 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
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| 0 | 0.36 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0 |
| 0.54 | 0 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0.555 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 1 | 0.83 |
| 0.59 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.96 | 0 |
| 0.91 | 0 |
| 0 | 1 |
| 0.86 | 0.71 |
| 0.69 | 1 |
| 0.345 | 1 |
| 0 | 0.71 |
| 0 | 1 |
| 0.415 | 0 |
| 0 | 0.59 |
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Peer Review

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|-------|------|
| 0 | 0 |
| 0 | 0 |
| 0.305 | 1 |
| 0 | 1 |
| 0.475 | 0 |
| 0 | 1 |
| 0.4 | 0 |
| 0.95 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.315 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0.74 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.59 | 0.5 |
| 0 | 0 |
| 0.455 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0.625 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0.4 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0.63 |
| 0.5 | 0 |
| 0.835 | 1 |
| 0.87 | 1 |
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| 0.435 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 1 |
| 0 | 0 |
| 0.75 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.79 | 0.5 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0.36 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.48 |
| 0.5 | 0 |
| 0 | 0.56 |
| 0.475 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 1 | 0 |
| 0.325 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.5 |
| 0 | 0.83 |
| 0 | 1 |
| 1 | 1 |
| 0.5 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.57 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 1 |
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Preprint
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|-------|------|
| 0.385 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.835 | 0 |
| 0 | 0.83 |
| 0 | 1 |
| 0.435 | 0 |
| 0 | 0.48 |
| 0.335 | 0 |
| 0.5 | 0 |
| 0.5 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.48 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0.59 |
| 0 | 1 |
| 1 | 0 |
| 1 | 1 |
| 0 | 0 |
| 1 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0.8 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0.67 |
| 0.37 | 0 |
| 0.715 | 0 |
| 0 | 1 |
| 0 | 0.42 |
| 0.44 | 0 |
| 0 | 0.87 |
| 0 | 0 |
| 0.86 | 0 |
| 0 | 0 |
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| 0 | 0.83 |
| 0.455 | 1 |
| 0.355 | 1 |
| 0.835 | 0 |
| 0.835 | 0 |
| 0 | 1 |

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| 0 | 0.83 |
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| 0 | 1 |
| 0 | 1 |
| 0.665 | 0 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 0.3 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.53 |
| 0.69 | 1 |
| 0.335 | 0 |
| 0 | 0.8 |
| 0 | 0 |
| 0 | 0 |
| 0.665 | 0 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.345 | 0.54 |
| 0 | 1 |
| 0 | 1 |
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| 0 | 0.95 |
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| 0 | 0.91 |
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| 0 | 1 |
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| 0 | 0 |
| 0.69 | 0.48 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 1 |
| 0 | 0 |
| 0.65 | 0 |
| 0.77 | 0 |
| 0 | 0.4 |
| 0 | 1 |
| 0 | 0.42 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.35 | 0.4 |
| 0 | 0 |
| 0 | 0.95 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 1 |
| 0.4 | 0 |
| 0 | 0.77 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.95 |
| 0 | 0.77 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.33 |
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| 0.59 | 1 |

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|----|-------|------|
| 1 | | |
| 2 | 0.4 | 0.43 |
| 3 | 0 | 1 |
| 4 | 0.835 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0.71 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0.355 | 1 |
| 14 | 0 | 0.91 |
| 15 | 1 | 0.91 |
| 16 | 0.555 | 0.91 |
| 17 | 0 | 0 |
| 18 | 1 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0.91 |
| 21 | 0.555 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0.385 | 0.37 |
| 31 | 1 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0.37 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0.455 | 0.69 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0.47 | 0.4 |
| 47 | 0.575 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0.525 | 0.91 |
| 55 | 0 | 1 |
| 56 | 0 | 0 |
| 57 | 0 | 0.5 |
| 58 | | |
| 59 | | |
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| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.575 | 0 |
| 0.385 | 0 |
| 0 | 0 |
| 0.485 | 0 |
| 0 | 0.48 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0 |
| 0.43 | 1 |
| 0 | 0 |
| 0.68 | 0 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0.45 |
| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.59 | 0 |
| 0.355 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 1 |
| 0.88 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.88 | 1 |
| 0 | 0.67 |
| 0 | 0 |
| 0.625 | 0 |
| 0.415 | 1 |
| 0 | 0 |
| 0.5 | 0.77 |
| 0 | 1 |
| 0 | 0.91 |

For Peer Review

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| 0 | 0 |
| 0.435 | 0.67 |
| 0 | 0.5 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 0.53 |
| 0 | 1 |
| 0.415 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.74 | 1 |
| 0 | 0.48 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0.71 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0 |
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| 0 | 0.83 |
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| 0 | 0 |
| 0.68 | 0.48 |
| 0 | 0 |
| 0 | 0.87 |
| 0 | 1 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0.97 | 0 |
| 4 | 0 | 0 |
| 5 | 0.315 | 1 |
| 6 | 0.355 | 0 |
| 7 | 0 | 1 |
| 8 | 0.435 | 1 |
| 9 | 0 | 1 |
| 10 | 0.87 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0.315 | 0 |
| 15 | 0 | 0.48 |
| 16 | 1 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0.67 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0.56 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0.77 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 1 | 0.4 |
| 44 | 0 | 0.38 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0.37 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 0.385 | 0 |
| 58 | | |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0.715 | 0.67 |
| 3 | 0 | 0 |
| 4 | 0.69 | 0 |
| 5 | 0 | 1 |
| 6 | 0.69 | 1 |
| 7 | 0.385 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0.315 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0.45 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0.59 |
| 40 | 0 | 0 |
| 41 | 1 | 0 |
| 42 | 0.94 | 0 |
| 43 | 0 | 0.83 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0.5 | 0.48 |
| 49 | 0.455 | 0.91 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 0.67 |
| 53 | 0 | 0 |
| 54 | 0 | 0.77 |
| 55 | 0 | 0 |
| 56 | 0.715 | 0 |
| 57 | 0.575 | 1 |
| 58 | | |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0.59 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0.575 | 0 |
| 10 | 0.88 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0.83 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 0.63 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0.56 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0.63 |
| 51 | 0.415 | 0 |
| 52 | 0 | 0 |
| 53 | 0.385 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 0.83 |
| 56 | 0 | 0 |
| 57 | | |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.315 | 1 |
| 3 | 0 | 0.59 |
| 4 | 0 | 1 |
| 5 | 0.415 | 0.4 |
| 6 | 0.665 | 0 |
| 7 | 0 | 1 |
| 8 | 0.91 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0.91 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0.37 |
| 22 | 0 | 0.37 |
| 23 | 0 | 0 |
| 24 | 0.385 | 0 |
| 25 | 0 | 0 |
| 26 | 1 | 0.38 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0.315 | 0 |
| 31 | 0 | 1 |
| 32 | 0.315 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0.575 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 0.63 |
| 40 | 0 | 0 |
| 41 | 0 | 0.56 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 0.91 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | | |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.87 | 0 |
| 0 | 0.83 |
| 0.75 | 0 |
| 0 | 0.5 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0.74 | 0 |
| 0.625 | 0 |
| 0.625 | 0.5 |
| 0 | 0 |
| 0.555 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.335 | 1 |
| 0 | 0.95 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 1 |
| 1 | 0 |
| 0.6 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0.38 |
| 0.91 | 0 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0.835 | 0 |
| 4 | 0 | 0 |
| 5 | 1 | 1 |
| 6 | 0 | 0.77 |
| 7 | 0.415 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.86 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 0.56 |
| 21 | 0.525 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0.71 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0.75 | 0 |
| 31 | 1 | 0 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 1 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0.665 | 0 |
| 39 | 0.665 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0.575 | 0.71 |
| 46 | 0 | 1 |
| 47 | 0.475 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 1 | 0.63 |
| 54 | 0 | 0 |
| 55 | 0.4 | 0.48 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 1 | 0.67 |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 1 | 0.56 |
| 3 | 0.355 | 1 |
| 4 | 0 | 1 |
| 5 | 0.6 | 0 |
| 6 | 0.355 | 0.59 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0.38 |
| 11 | 1 | 0 |
| 12 | 0.435 | 0 |
| 13 | 0.715 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.475 | 0 |
| 17 | 0 | 0.63 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 1 | 1 |
| 21 | 1 | 0 |
| 22 | 0 | 1 |
| 23 | 0.555 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0.835 | 1 |
| 32 | 0.6 | 0.56 |
| 33 | 0 | 0 |
| 34 | 0.715 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0.59 | 0 |
| 41 | 0.605 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0.455 | 0 |
| 46 | 0 | 0.83 |
| 47 | 0 | 0 |
| 48 | 1 | 1 |
| 49 | 0 | 0.83 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.47 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.94 | 1 |
| 1 | 0.67 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.37 | 0.48 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.5 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.37 | 0 |
| 1 | 0 |
| 0.88 | 0 |
| 0 | 1 |
| 1 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.59 | 0.77 |
| 0 | 1 |

Peer Review

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|----|-------|------|
| 1 | 0 | 0 |
| 2 | 0.88 | 0 |
| 3 | 1 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0.83 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0.94 | 0.5 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0.665 | 0 |
| 25 | 0.625 | 0 |
| 26 | 0.715 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0.95 |
| 29 | 0.355 | 0.83 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0.315 | 0 |
| 33 | 0 | 0 |
| 34 | 0.5 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0.75 | 0 |
| 42 | 0.555 | 0 |
| 43 | 0 | 0.3 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0.59 |
| 56 | 0 | 0 |
| 57 | 0.835 | 0 |
| 58 | | |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0.76 | 0 |
| 4 | 0.485 | 0 |
| 5 | 0.715 | 0 |
| 6 | 0 | 0.59 |
| 7 | 0 | 0 |
| 8 | 0.94 | 1 |
| 9 | 0.415 | 1 |
| 10 | 0 | 1 |
| 11 | 0.68 | 1 |
| 12 | 0 | 0 |
| 13 | 1 | 0 |
| 14 | 0.385 | 0 |
| 15 | 0.555 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0.835 | 0.83 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0.315 | 0 |
| 23 | 0 | 1 |
| 24 | 0.325 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0.415 | 1 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0.315 | 0 |
| 40 | 0.5 | 1 |
| 41 | 0.59 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 0.67 |
| 47 | 1 | 0 |
| 48 | 0 | 0 |
| 49 | 0.525 | 0.77 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0.715 | 0.77 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0.67 |
| 57 | | |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.71 |
| 3 | 0.59 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | | |
| 7 | 0.74 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0.95 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 1 | 0.59 |
| 20 | 0 | 1 |
| 21 | | |
| 22 | 0.385 | 1 |
| 23 | 0.78 | 0 |
| 24 | 1 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0.5 | 0 |
| 28 | 0 | 0 |
| 29 | | |
| 30 | 0.475 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | | |
| 36 | 0.95 | 1 |
| 37 | 0 | 0.59 |
| 38 | 0 | 0 |
| 39 | 0 | 1 |
| 40 | 0.555 | 0 |
| 41 | 0 | 1 |
| 42 | | |
| 43 | 0.68 | 0 |
| 44 | 0 | 0 |
| 45 | 0.68 | 0 |
| 46 | 0.325 | 0 |
| 47 | 0 | 0.71 |
| 48 | 0.65 | 0 |
| 49 | 0.605 | 1 |
| 50 | | |
| 51 | 0.68 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 0.63 |
| 54 | 1 | 0.63 |
| 55 | 0 | 0 |
| 56 | | |
| 57 | 0.835 | 0 |
| 58 | 0.525 | 0 |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.59 |
| 3 | 1 | 0.83 |
| 4 | 0.75 | 0.5 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0.835 | 0 |
| 9 | 0 | 1 |
| 10 | 0 | 0.63 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0.91 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 1 | 0 |
| 19 | 0 | 0.53 |
| 20 | 0 | 0 |
| 21 | 0 | 0.63 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0.63 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0.355 | 0.48 |
| 29 | 0 | 0 |
| 30 | 0.475 | 0 |
| 31 | 0.68 | 0 |
| 32 | 0 | 0 |
| 33 | 0.68 | 0 |
| 34 | 0.835 | 0 |
| 35 | 0 | 0 |
| 36 | 0.555 | 0 |
| 37 | 0 | 0.71 |
| 38 | 0 | 1 |
| 39 | 0 | 0.87 |
| 40 | 0.455 | 0 |
| 41 | 0 | 0.56 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0.625 | 1 |
| 49 | 0.5 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 0.54 |
| 53 | 0.625 | 1 |
| 54 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.625 | 0.67 |
| 3 | 1 | 0 |
| 4 | 0 | 0 |
| 5 | 1 | 0 |
| 6 | 0 | 0.83 |
| 7 | 0.475 | 0.63 |
| 8 | 0.69 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 0.5 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0.59 | 0 |
| 16 | 0.6 | 0 |
| 17 | 0 | 0 |
| 18 | 1 | 0 |
| 19 | 0.415 | 0 |
| 20 | 0.59 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0.45 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0.8 | 0.77 |
| 28 | 0.385 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0.56 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 1 |
| 35 | 0 | 0.56 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0.6 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0.42 |
| 42 | 0 | 0.97 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 0 |
| 46 | 0.355 | 0.63 |
| 47 | 0 | 1 |
| 48 | 0.77 | 1 |
| 49 | 0.77 | 1 |
| 50 | 0 | 0 |
| 51 | 0.95 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0.67 |
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| 0 | 0 |
| 0 | 0.59 |
| 0.59 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 0.77 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.345 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.34 | 0 |
| 0.415 | 0 |
| 0.59 | 0.77 |
| 0.87 | 0 |
| 0.95 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.6 | 0 |
| 0 | 0.5 |
| 0 | 0.71 |
| 1 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0.8 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.315 | 1 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0.91 | 0.83 |
| 0 | 0 |
| 0 | 0 |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0.5 |
| 4 | 0 | 1 |
| 5 | 0.355 | 0.67 |
| 6 | 0 | 0.74 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0.83 |
| 21 | 1 | 0 |
| 22 | 0 | 0.59 |
| 23 | 0 | 0 |
| 24 | 0.355 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0.37 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0.5 | 0.56 |
| 32 | 0.81 | 1 |
| 33 | 0.715 | 0 |
| 34 | 0 | 0 |
| 35 | 0.415 | 0 |
| 36 | 0 | 0.36 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0.91 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0.665 | 0.71 |
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|-------|------|
| 0 | 0 |
| 0.625 | 0.59 |
| 0.59 | 1 |
| 0.355 | 0 |
| 0.555 | 0.59 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.665 | 1 |
| 0 | 0.71 |
| 0 | 0 |
| 0.835 | 0 |
| 0.97 | 0.83 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 1 |
| 0.74 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.74 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0.71 |
| 0 | 0 |
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| 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.48 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.715 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.95 |
| 0 | 0 |
| 0 | 0 |
| 0.625 | 1 |
| 0.665 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.83 |
| 0 | 0 |
| 0.68 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0.69 | 0 |
| 0 | 0.48 |
| 0.87 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.475 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0.665 | 0 |
| 0.335 | 0.63 |
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| 0 | 0 |
| 0.77 | 0 |

For Peer Review

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| 0 | 0.53 |
| 0 | 0 |
| 0.525 | 0 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.715 | 0 |
| 0.68 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.56 |
| 0.4 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 1 | 1 |
| 0 | 0 |
| 0 | 0.48 |
| 0 | 0 |
| 0 | 0.83 |
| 0.94 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.43 |
| 0 | 0.71 |
| 0.91 | 1 |
| 0 | 0 |
| 0.415 | 0 |
| 0.77 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.455 | 0 |
| 0 | 0 |
| 0 | 0 |

Preprint
Peer Review

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|-------|------|
| 0 | 1 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.575 | 0 |
| 1 | 0 |
| 0.475 | 0 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0.625 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.48 |
| 0.835 | 0 |
| 0.88 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0.5 | 1 |
| 0 | 1 |
| 0.525 | 0 |

For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.86 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0 | 0.71 |
| 12 | 0 | 0.63 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.415 | 0.43 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0.515 | 1 |
| 23 | 0.625 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0.95 |
| 27 | 0 | 0.83 |
| 28 | 0.355 | 0 |
| 29 | 0 | 0.53 |
| 30 | 0 | 1 |
| 31 | 1 | 0 |
| 32 | 1 | 0 |
| 33 | 0.88 | 1 |
| 34 | 0.475 | 0 |
| 35 | 0.385 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 1 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0.83 |
| 41 | 0 | 0 |
| 42 | 1 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0.77 |
| 46 | 0 | 0.83 |
| 47 | 0 | 0 |
| 48 | 0.625 | 0 |
| 49 | 0 | 0.33 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0.355 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 1 |
| 55 | 0.355 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 1 |
| 58 | | |
| 59 | | |
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| 0 | 1 |
| 0.835 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.325 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.625 | 0 |
| 0.59 | 1 |
| 0 | 0 |
| 0.91 | 1 |
| 0 | 0.4 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0.77 |
| 0.88 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.835 | 1 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0.59 | 0.36 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 0 |
| 0 | 0.95 |
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| 0.455 | 0.5 |
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| 0 | 1 |
| 0 | 1 |
| 0.91 | 0 |
| 0.385 | 1 |
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| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.59 | 0.83 |
| 1 | 0 |
| 0.5 | 0.42 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.54 |
| 0.835 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.83 |
| 0 | 0.43 |
| 0 | 0.67 |
| 0.665 | 0 |
| 0.5 | 0 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.835 | 1 |
| 0 | 0.77 |
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Preprint
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|-------|------|
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.45 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 0 |
| 0 | 0 |
| 0.835 | 1 |
| 0 | 0.83 |
| 0.475 | 0 |
| 0.715 | 0.53 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0.75 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 0.355 | 0.67 |
| 0 | 1 |
| 0 | 1 |
| 0.5 | 0.95 |
| 0 | 0.38 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 1 |

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|----|-------|------|
| 1 | | |
| 2 | 0.355 | 1 |
| 3 | 0.355 | 1 |
| 4 | 0.59 | 0.59 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0.525 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0.455 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0.59 |
| 17 | 0 | 0.56 |
| 18 | 0 | 0.56 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 1 | 0 |
| 23 | 1 | 0 |
| 24 | 1 | 0 |
| 25 | 0.715 | 0 |
| 26 | 0 | 1 |
| 27 | 0.625 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0.91 |
| 32 | 0 | 0 |
| 33 | 0.835 | 0 |
| 34 | 0 | 1 |
| 35 | 0.59 | 0.63 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0.385 | 0 |
| 39 | 0 | 1 |
| 40 | 0.79 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0.59 |
| 47 | 0 | 0 |
| 48 | 0.5 | 0 |
| 49 | 1 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0 | 1 |
| 58 | 0 | 0.48 |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0.5 | 0 |
| 3 | 0.715 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0.355 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 0.71 |
| 10 | 0.315 | 0.77 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 1 |
| 14 | 0.715 | 0 |
| 15 | 0.835 | 0 |
| 16 | 0 | 0.5 |
| 17 | 0 | 0.59 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0.575 | 0 |
| 26 | 1 | 0 |
| 27 | 1 | 0 |
| 28 | 0.79 | 0 |
| 29 | 0.315 | 1 |
| 30 | 0.555 | 0.91 |
| 31 | 0 | 0.91 |
| 32 | 0.315 | 0 |
| 33 | 0 | 0.5 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 1 | 1 |
| 46 | 0 | 0 |
| 47 | 0.77 | 0.83 |
| 48 | 0 | 0 |
| 49 | 0.835 | 0 |
| 50 | 0 | 1 |
| 51 | 0.335 | 1 |
| 52 | 0.665 | 0 |
| 53 | 0.5 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.385 | 0 |
| 3 | 0.415 | 0 |
| 4 | 0.415 | 0 |
| 5 | 0.91 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 0.77 |
| 9 | 0 | 0 |
| 10 | 0.91 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 1 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 1 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0.48 |
| 26 | 0 | 1 |
| 27 | 0 | 0.56 |
| 28 | 0 | 1 |
| 29 | 1 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0.335 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0.79 | 1 |
| 37 | 0 | 1 |
| 38 | 0.835 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0.385 | 0.63 |
| 43 | 0 | 0.5 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0.83 |
| 48 | 0 | 1 |
| 49 | 0 | 0.3 |
| 50 | 1 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0.48 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 1 |
| 0.715 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.88 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 1 |
| 0 | 0 |
| 0.625 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.63 |
| 0 | 0.63 |
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| 0.835 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.3 |
| 0 | 0.31 |
| 0 | 0 |
| 1 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.97 |
| 0.335 | 0 |
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For Peer Review

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| 0.625 | 0 |
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| 0 | 0.67 |
| 0 | 0.56 |
| 0 | 1 |
| 0 | 0 |
| 0.94 | 0 |
| 0.94 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.415 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0.36 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.42 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0.36 |
| 0 | 0 |
| 0 | 0 |
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For Peer Review

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| 0 | 0 |
| 0 | 0.3 |
| 0 | 1 |
| 0 | 0.95 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0.56 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.53 |
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| 0 | 0 |
| 0 | 0 |
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| 0.835 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0.91 |
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| 0 | 0 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0.625 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.48 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
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| 0 | 0 |
| 0.455 | 1 |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0.95 |
| 5 | 0 | 1 |
| 6 | 0.715 | 0 |
| 7 | 0 | 1 |
| 8 | 1 | 0 |
| 9 | 0.79 | 0 |
| 10 | 1 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0.355 | 0 |
| 14 | 0.5 | 1 |
| 15 | 0 | 1 |
| 16 | 0.665 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0.77 |
| 27 | 0.415 | 0 |
| 28 | 0.94 | 0 |
| 29 | 0.315 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0.385 | 0.53 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0.43 |
| 38 | 0 | 0.56 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0.525 | 0.83 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 0.71 |
| 51 | 0 | 1 |
| 52 | 0 | 0 |
| 53 | 0.79 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 0.87 |
| 57 | 0 | 0.87 |
| 58 | | |
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| 0 | 0 |
| 0 | 0.45 |
| 0.455 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.71 |
| 0 | 0 |
| 1 | 0.91 |
| 0.315 | 1 |
| 0 | 0.91 |
| 0 | 1 |
| 0.415 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0.5 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.43 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0.77 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 0.4 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0.335 | 0 |
| 12 | 0 | 0.45 |
| 13 | 0 | 0 |
| 14 | 0 | 0.63 |
| 15 | 1 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0.68 | 0.83 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 0.5 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 0.71 |
| 39 | 0 | 1 |
| 40 | 0 | 0 |
| 41 | 1 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0.385 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0.53 |
| 50 | 0 | 0.63 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 0.63 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0.77 |
| 57 | 0 | 1 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.32 |
| 3 | 0 | 0.32 |
| 4 | 0 | 0 |
| 5 | 0 | 0.37 |
| 6 | 0.455 | 0 |
| 7 | 0 | 0 |
| 8 | 0.94 | 1 |
| 9 | 0.385 | 0 |
| 10 | 0.385 | 0.63 |
| 11 | 0.625 | 0.91 |
| 12 | 0 | 0 |
| 13 | 0 | 0.83 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0.59 | 0 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0.75 | 0.91 |
| 34 | 0.665 | 1 |
| 35 | 0 | 0.59 |
| 36 | 0 | 0.48 |
| 37 | 0 | 0 |
| 38 | 0 | 0.37 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0.95 | 0 |
| 49 | 0 | 0.95 |
| 50 | 1 | 0 |
| 51 | 1 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 1 | 0 |
| 57 | | |
| 58 | | |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0.59 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0.43 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 0.56 |
| 12 | 0 | 0 |
| 13 | 1 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0.91 |
| 18 | 0 | 0.5 |
| 19 | 0 | 0.53 |
| 20 | 0.5 | 1 |
| 21 | 0 | 0.37 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0.835 | 1 |
| 25 | 0.59 | 0.53 |
| 26 | 0.415 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0.91 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0.65 | 0 |
| 38 | 0 | 0.42 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0.715 | 0 |
| 43 | 0 | 0.67 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0.91 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0.37 |
| 55 | 0 | 0.95 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | | |
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| 0 | 0 |
| 0 | 0 |
| 0.525 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 1 |
| 1 | 0.91 |
| 0 | 1 |
| 0 | 0.83 |
| 0.79 | 0 |
| 0.625 | 0 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 1 |
| 0 | 1 |
| 0.86 | 0 |
| 0.68 | 0 |
| 0.555 | 0 |
| 0.43 | 0 |
| 0 | 0 |
| 0.37 | 0 |
| 0 | 0 |
| 0.575 | 0.59 |
| 0 | 1 |
| 0 | 0.53 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0.74 |
| 0 | 0 |
| 0.68 | 0.63 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0.42 |
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| 0.645 | 0 |
| 0 | 1 |
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| 0 | 0.77 |
| 0.435 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 1 | 1 |
| 0.5 | 0 |
| 0 | 1 |
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| 0 | 1 |
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| 0.575 | 0 |
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| 0 | 0 |
| 0 | 0.87 |
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| 0.835 | 0.56 |
| 1 | 0 |
| 0.575 | 0.67 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0.95 | 0.91 |
| 0.715 | 0 |
| 0 | 0.59 |
| 0.625 | 0 |
| 0 | 1 |
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| 0.715 | 0.53 |
| 0.355 | 0 |
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| 0 | 1 |
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| 0 | 0.63 |
| 0 | 0 |
| 0.715 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.6 | 0 |
| 0.325 | 0 |
| 0.455 | 0 |
| 0 | 0 |
| 0.87 | 0.63 |
| 0 | 1 |
| 0 | 0.63 |
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| 0 | 0 |
| 0.735 | 0 |
| 0 | 0.77 |
| 1 | 0.56 |
| 0.455 | 0 |
| 0.715 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0.94 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0.625 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0.79 | 0.91 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.63 |
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| 0 | 0.59 |
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| 0.68 | 0.32 |
| 0 | 1 |
| 0 | 0 |
| 0.315 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 0.625 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0.5 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.95 |
| 0 | 0 |
| 0 | 0.86 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.67 |
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| 0 | 1 |
| 0 | 1 |
| 0 | 0.5 |
| 0 | 0.56 |
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| 0 | 1 |
| 0 | 0 |
| 0.335 | 0.56 |
| 0 | 1 |
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| 0 | 1 |
| 0.665 | 0 |
| 0 | 0 |
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| 0.415 | 0.5 |
| 0 | 0 |

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| 0 | 1 |
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| 0.475 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.335 | 0 |
| 0.625 | 1 |
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| 0.385 | 0 |
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| 0.835 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0.315 | 1 |
| 0 | 0.5 |
| 0.6 | 0 |
| 0 | 0 |
| 0.665 | 0 |
| 0.315 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.385 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.385 | 0.63 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.8 |
| 0 | 0 |
| 0.88 | 1 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 1 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0.435 | 1 |
| 5 | 0.665 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.68 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0.71 |
| 15 | 0 | 1 |
| 16 | 0 | 0.83 |
| 17 | 0 | 0.48 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0.5 | 0.56 |
| 22 | 0 | 1 |
| 23 | 0 | 0.91 |
| 24 | 0.415 | 0.83 |
| 25 | 0 | 0 |
| 26 | 0.385 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 1 | 1 |
| 33 | 0 | 1 |
| 34 | 0.8 | 0 |
| 35 | 0 | 1 |
| 36 | 1 | 0 |
| 37 | 1 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0.59 |
| 40 | 0 | 0.56 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0.555 | 0 |
| 44 | 0 | 0 |
| 45 | 0.59 | 0 |
| 46 | 0.6 | 0.43 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0.65 | 0 |
| 50 | 0 | 0.83 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | | |
| 55 | | |
| 56 | | |
| 57 | | |
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| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.68 | 0 |
| 3 | 0.555 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | | |
| 8 | 0.325 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | | |
| 15 | 0.355 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | | |
| 21 | 0.325 | 0 |
| 22 | 0.605 | 0 |
| 23 | 0 | 0.48 |
| 24 | 0 | 0 |
| 25 | 0.525 | 0.87 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | | |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 0.37 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | | |
| 50 | 0.325 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0.665 | 0 |
| 54 | 0.74 | 0 |
| 55 | 0.435 | 0 |
| 56 | 0 | 0.91 |
| 57 | | |
| 58 | 0.87 | 1 |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0.5 | 0.71 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0.415 | 0 |
| 12 | 0.355 | 0 |
| 13 | 0 | 0.63 |
| 14 | 0 | 0.71 |
| 15 | 0.65 | 0.91 |
| 16 | 0.355 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0.345 | 0 |
| 25 | 0.715 | 0 |
| 26 | 0.715 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0.77 | 1 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 1 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 0 |
| 46 | 0 | 1 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0.555 | 0 |
| 54 | 0 | 0.71 |
| 55 | 0 | 0.5 |
| 56 | 1 | 0 |
| 57 | 0 | 0.43 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0.95 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0.475 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.79 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0.605 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 1 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0.355 | 0 |
| 32 | 0 | 1 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0.79 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0.77 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 1 | 0.56 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 1 |
| 0 | 0.53 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.36 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 0.87 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.83 |
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| 0 | 0.77 |
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| 0.385 | 0 |

For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0.79 | 0.88 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 0.42 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 0.4 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | | |
| 21 | 0.895 | 1 |
| 22 | 0 | 0.67 |
| 23 | 0 | 0 |
| 24 | 0 | 0.67 |
| 25 | 0.575 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 1 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0.67 |
| 36 | 0 | 1 |
| 37 | 1 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | | |
| 42 | 0.835 | 0 |
| 43 | 0 | 0.5 |
| 44 | 0 | 0 |
| 45 | | |
| 46 | 0.555 | 0.91 |
| 47 | 0.435 | 0.91 |
| 48 | 0.69 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | | |
| 53 | 0.43 | 0 |
| 54 | 0 | 1 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 0.91 |
| 6 | 0 | 0.48 |
| 7 | 0 | 1 |
| 8 | 0 | 0.83 |
| 9 | 0 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 0.77 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 0.77 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0.53 |
| 25 | 0 | 0.83 |
| 26 | 0 | 0.77 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0.68 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0.515 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0.59 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0.74 |
| 41 | 0 | 0 |
| 42 | 0 | 0.48 |
| 43 | 0 | 0.48 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0.77 | 0 |
| 51 | 0 | 0.59 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0.37 | 0 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0 | 1 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0.88 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0.63 |
| 24 | 0.625 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0.91 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 1 | 0.56 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 1 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0.59 | 0 |
| 56 | 0.79 | 0 |
| 57 | 0 | 0.59 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 1 | 1 |
| 4 | 0 | 0.77 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0.435 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 0.83 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0.91 | 1 |
| 19 | 0.475 | 0 |
| 20 | 0 | 0 |
| 21 | 1 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0.67 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 1 | 0.83 |
| 31 | 0 | 1 |
| 32 | 0 | 0.77 |
| 33 | 0 | 0.71 |
| 34 | 0 | 0 |
| 35 | 1 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0.715 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0.59 |
| 44 | 0 | 0.5 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 0 |
| 48 | 0.59 | 0.3 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0.5 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0.715 | 1 |
| 3 | 0.715 | 0 |
| 4 | 0.515 | 0.48 |
| 5 | 0.415 | 1 |
| 6 | 0 | 0.34 |
| 7 | 0.555 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0.625 | 0 |
| 11 | 0.455 | 0 |
| 12 | 1 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0.56 |
| 19 | 0 | 0 |
| 20 | 0 | 0.91 |
| 21 | 0 | 0 |
| 22 | 1 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0.83 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0.77 |
| 36 | 0 | 0.83 |
| 37 | 1 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 0.77 |
| 41 | 0 | 1 |
| 42 | 1 | 0 |
| 43 | 0 | 1 |
| 44 | 1 | 1 |
| 45 | 0.335 | 1 |
| 46 | 0.355 | 0 |
| 47 | 0 | 0.91 |
| 48 | 0.535 | 0 |
| 49 | 0 | 0.67 |
| 50 | 0 | 0 |
| 51 | 0.805 | 0 |
| 52 | 0.475 | 0 |
| 53 | 0 | 0 |
| 54 | 1 | 0 |
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| 0 | 0.63 |
| 0 | 0 |
| 0.74 | 0 |
| 0.715 | 1 |
| 0.88 | 0.59 |
| 0.87 | 0.83 |
| 0.555 | 1 |
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| 0 | 0 |
| 0 | 0.48 |
| 0 | 0.45 |
| 0 | 0 |
| 0 | 1 |
| 0.385 | 1 |
| 0 | 0 |
| 0 | 0.36 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 1 |
| 0.625 | 0 |
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| 0.355 | 0 |
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| 0 | 1 |
| 0.68 | 0.83 |
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| 0.57 | 0 |
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Preprint
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| 0.64 | 0 |
| 0 | 0 |
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| 1 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0.335 | 1 |
| 0.315 | 1 |
| 0.415 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
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| 0 | 0.56 |
| 0.95 | 0 |
| 0.485 | 0 |
| 0.515 | 0 |
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| 0.345 | 0 |
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| 0 | 1 |
| 0.335 | 0 |
| 0.335 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.79 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0.91 | 0 |
| 0 | 0.77 |
| 0.315 | 0 |
| 0.73 | 0 |
| 0 | 0 |
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| 0 | 0.83 |

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| 0.435 | 0 |
| 0 | 0 |
| 0.37 | 0 |
| 0.555 | 1 |
| 0.625 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.45 |
| 0 | 0 |
| 0 | 0 |
| 0.515 | 0 |
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| 0 | 0.83 |
| 0 | 0.56 |
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| 0.625 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0 |
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| 0 | 0.45 |
| 0 | 0 |
| 0 | 0 |
| 0.87 | 0.59 |
| 0 | 1 |
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| 0.415 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.59 | 0 |
| 0.77 | 0.71 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.83 |
| 0 | 0.71 |
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| 0.525 | 0 |
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| 0 | 0.59 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.5 | 0 |
| 0 | 1 |
| 0 | 0.63 |
| 0.95 | 1 |
| 0 | 0 |
| 0 | 0.32 |
| 0 | 0.43 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
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| 0.455 | 0.45 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0.4 |
| 0 | 1 |
| 0 | 1 |
| 0.335 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.95 |
| 0 | 0.95 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.79 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.325 | 0 |
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For Peer Review

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| 0 | 0.37 |
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| 0 | 0.74 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0 |
| 0.94 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.625 | 1 |
| 0.625 | 1 |
| 0 | 0 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.45 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0.68 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0.48 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 0 |
| 13 | 0 | 0.71 |
| 14 | 0 | 0.71 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0.45 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0.59 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 1 |
| 35 | 1 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0.715 | 0 |
| 40 | 0.525 | 0.59 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0.575 | 0 |
| 44 | 0.5 | 0 |
| 45 | 0.625 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 1 |
| 51 | 0.95 | 0 |
| 52 | 0 | 0 |
| 53 | 0.65 | 1 |
| 54 | 0.59 | 0.77 |
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| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 0.71 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0.485 | 0.91 |
| 11 | 0 | 1 |
| 12 | 0 | 0.56 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0.73 | 1 |
| 24 | 0 | 0 |
| 25 | 0.305 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 1 | 0 |
| 30 | 0 | 0 |
| 31 | 0.95 | 1 |
| 32 | 0.525 | 0 |
| 33 | 1 | 0 |
| 34 | 0.625 | 1 |
| 35 | 0.77 | 1 |
| 36 | 0 | 0.83 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0.86 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0.68 | 0.56 |
| 46 | 0 | 0.63 |
| 47 | 0 | 1 |
| 48 | 0.895 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0.835 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 0.56 |
| 55 | 0 | 1 |
| 56 | 0 | 0.56 |
| 57 | 0 | 1 |
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| 0.315 | 1 |
| 0 | 0 |
| 0.315 | 0 |
| 0.345 | 0 |
| 0.97 | 0 |
| 0 | 0 |
| 0 | 0.83 |
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| 0 | 1 |
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| 0.475 | 1 |
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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0.83 |
| 4 | 0 | 0 |
| 5 | 0.475 | 0.67 |
| 6 | 0 | 1 |
| 7 | 0 | 0.83 |
| 8 | 0 | 0.45 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 1 | 0.63 |
| 12 | 0.835 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 0.83 |
| 15 | 0 | 0.48 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.555 | 0 |
| 19 | 0 | 0.63 |
| 20 | 0 | 0.63 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0.42 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 1 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0.315 | 0.83 |
| 35 | 0 | 1 |
| 36 | 0 | 0.71 |
| 37 | 1 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 0.67 |
| 44 | 0.79 | 0 |
| 45 | 0.835 | 0.83 |
| 46 | 0.5 | 0.83 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 0.53 |
| 51 | 0 | 0.5 |
| 52 | 0 | 0 |
| 53 | 0.335 | 0 |
| 54 | 0 | 0 |
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| 0 | 0.56 |
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| 0.555 | 0 |
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| 0 | 0.95 |
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| 0.385 | 1 |
| 0 | 0.77 |
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| 0.91 | 0 |
| 0 | 0.59 |
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| 0 | 0.5 |
| 0 | 1 |
| 0 | 0.48 |
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| 0.345 | 0 |
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| 0 | 0.91 |
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| 0.95 | 0 |
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| 0.455 | 0 |
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| 0 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0.435 | 1 |
| 0 | 0 |
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| 0 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.415 | 1 |
| 0 | 1 |
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| 0.475 | 0 |
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| 0 | 0 |
| 0.315 | 0 |
| 0.315 | 0 |
| 0 | 0.83 |
| 0.625 | 0 |
| 0 | 0.91 |
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| 0 | 0.56 |
| 0.525 | 0 |
| 0.625 | 0 |
| 0 | 1 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0.83 |
| 0.335 | 0 |
| 0 | 0 |
| 0.735 | 0 |
| 0.455 | 0 |
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| 0 | 0.51 |
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| 0.625 | 1 |
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| 0.385 | 0.59 |
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| 0.37 | 0 |
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For Peer Review

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| 1 | | |
| 2 | 0.88 | 0 |
| 3 | 0.43 | 0 |
| 4 | 0 | 0 |
| 5 | 0.75 | 0 |
| 6 | 0 | 0.67 |
| 7 | 0 | 0.42 |
| 8 | 0 | 0 |
| 9 | 0 | 1 |
| 10 | 1 | 0 |
| 11 | 0.715 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0.71 |
| 20 | 0.475 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0.63 |
| 32 | 0 | 0 |
| 33 | 0.4 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0.63 |
| 47 | 0 | 1 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 0.71 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 1 |
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| 0 | 0 |
| 0.95 | 0 |
| 0.57 | 0 |
| 0 | 0 |
| 1 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.87 | 0 |
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| 0 | 0.67 |
| 0.335 | 0 |
| 0 | 1 |
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| 0 | 0.67 |
| 0.88 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.94 | 0.53 |
| 0 | 0 |
| 0.94 | 0 |
| 0 | 0 |
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| 0 | 0.67 |
| 0 | 0.5 |
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| 0.345 | 0 |
| 0.37 | 0 |
| 0.6 | 0 |
| 0.455 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.63 |
| 0 | 0 |
| 0.525 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.835 | 0 |
| 0 | 0.83 |
| 0 | 0 |
| 1 | 0.83 |
| 0 | 0.59 |
| 0.59 | 0.56 |
| 1 | 0.91 |
| 0 | 0 |
| 0.79 | 0 |
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| 0 | 0.77 |
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| 0 | 0 |
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| 0.345 | 1 |
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| 0 | 1 |
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| 0.625 | 0 |
| 0 | 0.67 |
| 0.555 | 0 |
| 0 | 0 |
| 1 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0.835 | 0 |
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| 0 | 0.87 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.91 | 0 |
| 3 | 0 | 0.91 |
| 4 | 0 | 0 |
| 5 | 0.77 | 1 |
| 6 | 0.385 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0.355 | 1 |
| 10 | 0.415 | 0 |
| 11 | 0.715 | 0 |
| 12 | 0 | 0.83 |
| 13 | 0 | 0.59 |
| 14 | 0 | 0.95 |
| 15 | 0 | 1 |
| 16 | 0.75 | 0.48 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0.91 | 0 |
| 23 | 0.535 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 0 |
| 27 | 1 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0.8 | 1 |
| 33 | 0.625 | 0 |
| 34 | 0.315 | 0 |
| 35 | 0.555 | 0 |
| 36 | 1 | 0 |
| 37 | 0.625 | 1 |
| 38 | 0.455 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0.71 |
| 41 | 0 | 1 |
| 42 | 0.625 | 0 |
| 43 | 0 | 0.48 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0.87 | 0 |
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|-------|------|
| 0.94 | 1 |
| 0.37 | 0.91 |
| 0.59 | 0 |
| 0 | 1 |
| 0.555 | 1 |
| 0.57 | 0 |
| 0.555 | 0 |
| 0.895 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.625 | 0.67 |
| 0 | 0 |
| 0.77 | 0 |
| 0.385 | 0 |
| 0.88 | 0 |
| 0.335 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0.67 |
| 0.435 | 0 |
| 0.385 | 0 |
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| 1 | | |
| 2 | 0 | 0.63 |
| 3 | 0.5 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0.455 | 0.48 |
| 9 | 0 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 0.5 |
| 12 | 0 | 0.43 |
| 13 | 0 | 0.53 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 0.56 |
| 18 | 0 | 0.83 |
| 19 | 0.715 | 0.83 |
| 20 | 0 | 0.5 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0.56 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0.91 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0.67 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0.575 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 1 |
| 48 | 0 | 0.83 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0.59 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 0 | 1 |
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| 0 | 0.5 |
| 0 | 1 |
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| 0.94 | 0 |
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| 0 | 1 |
| 0.68 | 1 |
| 0.95 | 0 |
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For Peer Review

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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0.48 |
| 4 | 0 | 0.71 |
| 5 | 0 | 0.71 |
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| 9 | 0 | 1 |
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| 11 | 0 | 1 |
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| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0.77 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0.77 |
| 35 | 0 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0.625 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 0.59 |
| 43 | 0 | 0.67 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 0 | 0.63 |
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| 0.315 | 0 |
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| 0.415 | 1 |
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| 0.355 | 0 |
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| 0 | 0.77 |
| 0.415 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.315 | 0.67 |
| 0 | 0.45 |
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| 0 | 0 |
| 0 | 0.56 |
| 0 | 0.83 |
| 0 | 0 |
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| 0 | 0.33 |
| 0 | 0.32 |
| 0.715 | 0 |
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| 0 | 0 |
| 0 | 0.43 |
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| 0.5 | 0 |
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| 0 | 1 |
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| 0.455 | 1 |
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| 0.335 | 0 |
| 0 | 0.5 |
| 0 | 0 |
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| 0 | 1 |
| 0.4 | 0 |
| 0.5 | 0.83 |
| 0 | 0 |
| 0 | 0 |
| 0.525 | 1 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0.77 |
| 1 | 0.71 |
| 0.88 | 0 |
| 0 | 0 |
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For Peer Review

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| 0 | 1 |
| 0 | 0 |
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| 0.5 | 0.63 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0.91 | 0 |
| 0.475 | 0 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 0.5 |
| 0 | 0 |
| 0.555 | 0 |
| 0 | 0.87 |
| 0 | 0.67 |
| 0 | 0 |
| 0.77 | 0 |
| 0.535 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.76 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 1 |
| 0.455 | 0 |
| 0 | 0.59 |
| 0 | 0.42 |
| 0.94 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.4 | 0 |
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| 1 | 0.45 |
| 0 | 0.91 |
| 0 | 0 |
| 0.385 | 0.5 |
| 0.59 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.95 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.74 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.335 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.665 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 1 | 1 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
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| 0.91 | 0 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0.88 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | | |
| 7 | 0.575 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0.53 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | | |
| 14 | 0 | 0.53 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 1 |
| 19 | 0 | 0.67 |
| 20 | 0 | 0 |
| 21 | | |
| 22 | 0 | 0.48 |
| 23 | 0.555 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | | |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0.87 |
| 33 | 0 | 1 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | | |
| 43 | 0.555 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 0 |
| 48 | 0 | 0.77 |
| 49 | 0 | 0.83 |
| 50 | 0 | 0 |
| 51 | | |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0.75 | 0 |
| 55 | 0 | 0.77 |
| 56 | 0 | 0 |
| 57 | | |
| 58 | 0 | 1 |
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| 0 | 0.63 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.835 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.535 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.625 | 0.91 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.835 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.34 |
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| 0.525 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.91 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.67 |
| 1 | 1 |
| 0.87 | 0.67 |
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| 1 | | |
| 2 | 0.455 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | | |
| 7 | 0.525 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | | |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0.59 |
| 25 | 0 | 0.91 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | | |
| 29 | 0.335 | 1 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | | |
| 38 | 0 | 0.71 |
| 39 | 0 | 1 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | | |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 0.355 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | | |
| 58 | 0 | 1 |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.5 | 0 |
| 3 | 1 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0.63 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0.81 | 0 |
| 13 | 0 | 1 |
| 14 | 0.335 | 0.74 |
| 15 | 1 | 0.91 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 1 | 0 |
| 24 | 0.475 | 0 |
| 25 | 0 | 1 |
| 26 | 0.77 | 1 |
| 27 | 0 | 0 |
| 28 | 0.715 | 0 |
| 29 | 0 | 0.53 |
| 30 | 0 | 0.56 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0.83 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0.68 | 0 |
| 43 | 0 | 0.56 |
| 44 | 0 | 0 |
| 45 | 0 | 0.77 |
| 46 | 0 | 0.77 |
| 47 | 0 | 1 |
| 48 | 0.665 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 0.67 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 1 |
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| 0 | 0.56 |
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| 0 | 0.67 |
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| 0.96 | 0 |
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| 0.64 | 0 |
| 0 | 0.91 |
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| 0.835 | 0 |
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| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 0.87 |
| 6 | 0.455 | 0 |
| 7 | 0.705 | 0.83 |
| 8 | 0 | 1 |
| 9 | 0.91 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0.37 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 0.59 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 0.71 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0.8 |
| 31 | 0.835 | 0 |
| 32 | 0 | 0.83 |
| 33 | 1 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 0 |
| 46 | 0.355 | 0 |
| 47 | 0.79 | 0.59 |
| 48 | 0.355 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0.5 | 1 |
| 52 | 0.91 | 0.59 |
| 53 | 0.485 | 0 |
| 54 | 0 | 0.74 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0.415 | 0 |
| 0.625 | 0 |
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| 0 | 1 |
| 1 | 0 |
| 0 | 0.71 |
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| 0.5 | 0 |
| 0 | 1 |
| 0 | 0.3 |
| 0.37 | 0 |
| 0 | 0 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 0.87 |
| 0 | 0 |
| 0 | 0 |
| 0.57 | 0 |
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| 0.74 | 0 |
| 0 | 0.91 |
| 0.315 | 0.91 |
| 0 | 0.83 |
| 0.315 | 0 |
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| 0 | 0.48 |
| 0 | 0.4 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.335 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.695 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.415 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.355 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0.56 |
| 0 | 0.45 |
| 1 | 0 |
| 0.315 | 0 |
| 0.415 | 0 |
| 1 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0.715 | 0 |
| 0 | 0 |
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| 1 | 0.67 |

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| 0.555 | 0 |
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| 0 | 0.87 |
| 0 | 1 |
| 0 | 0.56 |
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| 1 | 0 |
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| 0 | 0 |
| 0.65 | 0 |
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| 0.475 | 0.67 |
| 0 | 0 |
| 0 | 1 |
| 0.4 | 0 |
| 0 | 0 |
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| 0.555 | 1 |
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| 1 | | |
| 2 | 0 | 1 |
| 3 | 0.315 | 0 |
| 4 | 0 | 0.48 |
| 5 | 0 | 0 |
| 6 | 0 | 0.71 |
| 7 | 0 | 0 |
| 8 | 0.91 | 1 |
| 9 | 0.645 | 0 |
| 10 | 0.415 | 0.5 |
| 11 | 1 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 1 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0.525 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0.335 | 0 |
| 26 | 0 | 0.91 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0.77 |
| 48 | 0 | 0 |
| 49 | 0.715 | 0.91 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 0.53 |
| 53 | 0.415 | 0 |
| 54 | 0.435 | 1 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
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| 0 | 0 |
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| 0 | 1 |
| 0.5 | 0.53 |
| 0 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0.715 | 0 |
| 0 | 1 |
| 0.895 | 0 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0.83 |
| 0 | 1 |
| 0 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 0 |
| 0 | 0.95 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.83 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.74 | 0 |
| 0 | 0.71 |
| 0.475 | 0.48 |
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| 1 | 0.83 |
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| 0 | 1 |
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| 0.315 | 0 |
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| 0.355 | 0.71 |
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| 0.435 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 0.33 |
| 0 | 1 |
| 0 | 0 |
| 0.695 | 0 |
| 0.37 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.78 | 0.5 |
| 0 | 0 |
| 0 | 1 |
| 0.5 | 1 |
| 0.835 | 0 |
| 0.335 | 0 |
| 0.525 | 0 |
| 0 | 0 |

For Peer Review

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| 0 | 1 |
| 0 | 0.51 |
| 0.6 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0.575 | 0.83 |
| 0 | 1 |
| 0.59 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.315 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.525 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0.59 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.77 |
| 0.37 | 0 |
| 0.525 | 0.5 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 1 |
| 0.335 | 0 |
| 0 | 0.91 |
| 0 | 0.42 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.335 | 0 |
| 0.475 | 0 |
| 0.4 | 0 |
| 0 | 0 |
| 0.47 | 0 |

For Peer Review

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| 0.625 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.315 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.48 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0.48 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.555 | 0 |
| 0 | 0 |
| 0.97 | 0.48 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 0.43 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0.335 | 0 |
| 0.415 | 1 |
| 1 | 1 |
| 0 | 0.4 |
| 0 | 0 |
| 0 | 0 |
| 0.575 | 0 |
| 0 | 0.95 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.335 | 0 |
| 1 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.67 |

Peer Review

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| 1 | | |
| 2 | 0 | 0.43 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0.71 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0.405 | 0 |
| 17 | 0.59 | 0 |
| 18 | 0.415 | 0.53 |
| 19 | 0 | 0 |
| 20 | 0 | 0.56 |
| 21 | 0 | 0.83 |
| 22 | 0 | 0.56 |
| 23 | 0 | 0.91 |
| 24 | 0.415 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0.63 |
| 27 | 0 | 0.34 |
| 28 | 0 | 0.38 |
| 29 | 0 | 0 |
| 30 | 0 | 0.53 |
| 31 | 0 | 1 |
| 32 | 0 | 0.67 |
| 33 | 0 | 0 |
| 34 | 1 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0.91 |
| 40 | 0 | 0 |
| 41 | 0.5 | 1 |
| 42 | 0.77 | 0.42 |
| 43 | 0 | 0 |
| 44 | 0 | 0.67 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0.625 | 0 |
| 48 | 0.665 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0.63 |
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| 0 | 0 |
| 0 | 0.91 |
| 1 | 0.5 |
| 1 | 0 |
| 1 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.435 | 0 |
| 0 | 1 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.805 | 0.48 |
| 0.4 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.75 | 0 |
| 0 | 0 |
| 0.665 | 1 |

For Peer Review

| | | |
|----|-------|------|
| 1 | | |
| 2 | 0.47 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 0.45 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0.415 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0.63 |
| 17 | 0.78 | 1 |
| 18 | 0.575 | 1 |
| 19 | 0 | 0.42 |
| 20 | 0 | 0 |
| 21 | 0.47 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0.5 |
| 31 | 0 | 1 |
| 32 | 0 | 0 |
| 33 | 0.69 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0.435 | 0 |
| 43 | 0 | 0 |
| 44 | 0.95 | 1 |
| 45 | 0 | 0 |
| 46 | 0.5 | 0.71 |
| 47 | 0.385 | 0 |
| 48 | 1 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0.77 |
| 55 | 0 | 0.77 |
| 56 | 0 | 0 |
| 57 | | |
| 58 | | |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 0.83 |
| 5 | 0 | 1 |
| 6 | 0.555 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0.355 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0.375 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0.83 |
| 21 | 0.94 | 0 |
| 22 | 0 | 0.48 |
| 23 | 0 | 0 |
| 24 | 0.385 | 1 |
| 25 | 0.385 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0.83 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0.71 |
| 34 | 0.835 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 1 | 0 |
| 39 | 1 | 0 |
| 40 | 0 | 0 |
| 41 | 1 | 0.83 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0.715 | 0 |
| 46 | 0.5 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0.5 | 1 |
| 53 | 0 | 0 |
| 54 | 0.385 | 0.83 |
| 55 | 0 | 0.91 |
| 56 | | |
| 57 | | |
| 58 | | |
| 59 | | |
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|-------|------|
| 0 | 1 |
| 0 | 0.48 |
| 0 | 0 |
| 0.895 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.83 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.4 |
| 0 | 1 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.395 | 0 |
| 0.415 | 0 |
| 0 | 1 |
| 0.715 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 1 |
| 1 | 0.45 |
| 0 | 1 |
| 0 | 0.77 |
| 0 | 0 |
| 0.91 | 0 |
| 0 | 0.56 |
| 0 | 0.53 |
| 0.715 | 0.63 |
| 0 | 1 |
| 0.315 | 0 |
| 0 | 0 |
| 0.91 | 0 |
| 0 | 0 |
| 0.5 | 1 |

Preprint
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0 | 0 |
| 12 | 0.715 | 1 |
| 13 | 0 | 1 |
| 14 | 0.355 | 0 |
| 15 | 0 | 0 |
| 16 | 0.77 | 1 |
| 17 | 0.555 | 0.5 |
| 18 | 0.74 | 0 |
| 19 | 1 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 1 | 0.53 |
| 23 | 0 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0.625 | 0 |
| 30 | 0 | 0 |
| 31 | 0.475 | 1 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0.5 | 0 |
| 35 | 0 | 0 |
| 36 | 0.625 | 0 |
| 37 | 0.555 | 0.67 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0.5 |
| 42 | 1 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0.65 | 1 |
| 47 | 0 | 1 |
| 48 | 0 | 0 |
| 49 | 0.47 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 0 |
| 57 | 0.525 | 0 |
| 58 | | |
| 59 | | |
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| 0 | 0 |
| 0 | 0.83 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.8 | 0 |
| 0.87 | 0 |
| 0 | 0.77 |
| 1 | 0.67 |
| 0.335 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.77 | 0.59 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.71 |
| 0 | 0.67 |
| 0.79 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0.83 |
| 0.435 | 0 |
| 0 | 1 |
| 0.74 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.335 | 0 |
| 0.835 | 0 |
| 0.455 | 0.5 |
| 0 | 1 |
| 0 | 0.8 |
| 0 | 0 |

For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0.59 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | | |
| 7 | 0.355 | 0.95 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0.8 | 0 |
| 11 | 0.8 | 0 |
| 12 | 0 | 0.95 |
| 13 | 0 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | | |
| 22 | 0.535 | 0 |
| 23 | 0.535 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | | |
| 30 | 0.835 | 1 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0.83 |
| 37 | | |
| 38 | 0.94 | 0 |
| 39 | 0.625 | 0.59 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | | |
| 43 | 0 | 0.53 |
| 44 | 0 | 0.43 |
| 45 | 0 | 1 |
| 46 | 0.77 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 0 | 1 |
| 51 | | |
| 52 | 0 | 0.56 |
| 53 | 0 | 1 |
| 54 | 0.665 | 0 |
| 55 | 0.555 | 1 |
| 56 | 0 | 1 |
| 57 | | |
| 58 | 0.645 | 0 |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0.835 | 0.45 |
| 9 | 0 | 0 |
| 10 | 0 | 0.5 |
| 11 | 0 | 0 |
| 12 | 0.8 | 0 |
| 13 | 0 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 0.48 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0.4 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0.63 |
| 29 | 0 | 1 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0.83 |
| 33 | 0 | 0.83 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0.79 |
| 42 | 0 | 0 |
| 43 | 0 | 0.95 |
| 44 | 0 | 0.67 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0.56 |
| 51 | 0 | 0.34 |
| 52 | 0.37 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 1 |
| 55 | 0 | 0.77 |
| 56 | 0 | 1 |
| 57 | | |
| 58 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0 |
| 4 | 0.455 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0 | 1 |
| 12 | 0 | 0 |
| 13 | 0 | 0.56 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0.59 | 0 |
| 20 | 0 | 0.71 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | 0.835 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 0.56 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0.36 |
| 39 | 1 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0.56 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 0.34 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0.32 |
| 54 | 0 | 0 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0 | 0.77 |
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| 0.65 | 0 |
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| 0.715 | 0 |
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| 0.5 | 0.83 |
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| 0.835 | 0.63 |
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| 3 | 0.65 | 0 |
| 4 | 0 | 0.91 |
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| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0.355 | 1 |
| 10 | 0 | 0 |
| 11 | 1 | 1 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0.53 |
| 15 | 0 | 0 |
| 16 | 1 | 0.38 |
| 17 | 0 | 1 |
| 18 | 0.95 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 1 |
| 24 | 0 | 0.53 |
| 25 | 0 | 0.48 |
| 26 | 0 | 0.77 |
| 27 | 0 | 0 |
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| 31 | 0 | 0 |
| 32 | 0 | 0 |
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| 35 | 0 | 0 |
| 36 | 0.455 | 0.59 |
| 37 | 0 | 0 |
| 38 | 0 | 0.59 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 1 | 0 |
| 42 | 0.43 | 0 |
| 43 | 0 | 1 |
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| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0.88 | 0 |
| 51 | 0.79 | 0 |
| 52 | 0 | 0.48 |
| 53 | 0 | 0.43 |
| 54 | 0 | 0.67 |
| 55 | 0 | 0.56 |
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| 0.75 | 0 |
| 0.315 | 1 |
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| 0.555 | 0 |
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| 0 | 0.83 |
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| 0 | 0.59 |
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| 0.555 | 0 |
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| 0 | 0.59 |
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| 0 | 0.36 |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0 |
| 4 | 1 | 0 |
| 5 | 0 | 1 |
| 6 | 0.625 | 0 |
| 7 | 0 | 0.83 |
| 8 | 0.715 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 1 |
| 11 | 1 | 1 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0.715 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0.665 | 0.56 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 1 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 0.91 |
| 35 | 0 | 0 |
| 36 | 0.91 | 0 |
| 37 | 0 | 0.63 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0.77 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0.385 | 1 |
| 44 | 0 | 0 |
| 45 | 0.455 | 1 |
| 46 | 0 | 0.56 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 0.4 |
| 51 | 0 | 0.4 |
| 52 | 0.315 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 0.77 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0 | 0.43 |
| 58 | 0 | 0.43 |
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| 1 | | |
| 2 | 0.715 | 0 |
| 3 | 0 | 0 |
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| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0.5 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 0.43 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0.555 | 1 |
| 16 | 0.77 | 0.91 |
| 17 | 0 | 1 |
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| 22 | 0 | 1 |
| 23 | 0 | 0.63 |
| 24 | 0 | 1 |
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| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0.48 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 0 |
| 38 | 1 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0.335 | 0 |
| 49 | 0 | 0 |
| 50 | 0.79 | 0 |
| 51 | 0 | 0.83 |
| 52 | 0 | 0.83 |
| 53 | 0 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
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| 0.68 | 0.83 |
| 0 | 0 |
| 0.88 | 0 |
| 0.94 | 0.56 |
| 0.555 | 1 |
| 0.355 | 0 |
| 0 | 0 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0.385 | 1 |
| 0 | 0.67 |
| 0.475 | 1 |
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| 0.665 | 0.48 |
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| 0.415 | 1 |
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| 12 | 0 | 0 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0.715 | 0.63 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0.37 |
| 23 | 0.315 | 1 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0.385 | 0 |
| 27 | 0.37 | 0 |
| 28 | 0 | 0.67 |
| 29 | 0.555 | 1 |
| 30 | 0.59 | 0 |
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| 53 | 1 | 0 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0.91 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.555 | 1 |
| 0 | 0.42 |
| 0.385 | 0 |
| 0 | 0 |
| 0 | 0.59 |
| 1 | 0.67 |
| 0 | 1 |
| 1 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.8 |
| 0 | 0 |
| 1 | 0 |
| 0.87 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0.59 |
| 0 | 0.71 |
| 0 | 0.91 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 1 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0.575 | 0.37 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0.385 | 0.56 |
| 12 | 0.59 | 1 |
| 13 | 0.335 | 1 |
| 14 | 0 | 0 |
| 15 | 0.77 | 0 |
| 16 | 0 | 0 |
| 17 | 0.59 | 1 |
| 18 | 0 | 0.53 |
| 19 | 0 | 0 |
| 20 | 1 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0.6 | 0.59 |
| 28 | 0.66 | 0 |
| 29 | 0 | 0 |
| 30 | 0.86 | 0 |
| 31 | 1 | 0 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 0 |
| 38 | 0.625 | 0.83 |
| 39 | 0 | 1 |
| 40 | 0 | 0.33 |
| 41 | 0 | 0.53 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0.5 | 0.67 |
| 53 | 0 | 1 |
| 54 | 0.315 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 0 |
| 57 | 0 | 0.83 |
| 58 | | |
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| 0 | 0 |
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| 0 | 0.33 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.83 |
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| 0 | 0 |
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| 0 | 0.67 |
| 0 | 1 |
| 0 | 1 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.835 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.63 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0.625 | 0 |
| 5 | 1 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0.59 | 0 |
| 9 | 0 | 1 |
| 10 | 0 | 0.38 |
| 11 | 0.715 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.91 | 0.59 |
| 19 | 0 | 0.91 |
| 20 | 0.5 | 0 |
| 21 | 0.77 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0.42 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0.71 |
| 28 | 0 | 1 |
| 29 | 0 | 0.95 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0.8 |
| 34 | 0 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 0.56 |
| 43 | 0 | 0.91 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 1 |
| 47 | 0 | 0.71 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0.315 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0.67 |
| 54 | 0 | 0.67 |
| 55 | 0 | 1 |
| 56 | | |
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| 0 | 1 |
| 0 | 1 |
| 0 | 0.59 |
| 0 | 0.5 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.575 | 0 |
| 0.5 | 0 |
| 1 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0.385 | 1 |
| 0 | 1 |
| 0 | 0.83 |
| 0 | 0.83 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.83 |
| 0.475 | 0.42 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.8 |
| 0 | 0.45 |
| 0 | 0.56 |
| 0 | 0 |
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| 0 | 0.71 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.59 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 0.67 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0.43 |
| 10 | 0 | 0.5 |
| 11 | 0.475 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0.645 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0.95 | 0.91 |
| 29 | 1 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0.83 |
| 35 | 0.315 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 0.71 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0.835 | 0 |
| 45 | 0 | 1 |
| 46 | 0.79 | 0.69 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 0.63 |
| 57 | 0 | 0 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0 |
| 4 | 0 | 0.59 |
| 5 | 0.835 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0.5 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 0 |
| 15 | 0.575 | 0 |
| 16 | 0.355 | 0.77 |
| 17 | 0 | 0 |
| 18 | 0 | 0.63 |
| 19 | 0 | 1 |
| 20 | 0.57 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 1 |
| 33 | 0.415 | 0.91 |
| 34 | 0 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0.67 |
| 37 | 1 | 0 |
| 38 | 0.385 | 0 |
| 39 | 0.665 | 1 |
| 40 | 0 | 0.48 |
| 41 | 0 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0.83 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0.665 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0.59 | 0.71 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0.53 |
| 0.525 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0.335 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.77 | 0 |
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| 0 | 0 |
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| 0 | 0.56 |
| 0 | 0.43 |
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| 0 | 0.91 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0.5 |
| 0 | 1 |
| 0.355 | 0 |
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For Peer Review

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| 0 | 0 |
| 0 | 0.53 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.5 |
| 0 | 1 |
| 0 | 1 |
| 0.525 | 0 |
| 0.385 | 1 |
| 0.385 | 1 |
| 0 | 0 |
| 0.625 | 0 |
| 0 | 0 |
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| 0 | 1 |
| 0.315 | 0 |
| 0 | 0 |
| 0.95 | 0 |
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| 0.69 | 0 |
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| 0.625 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
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| 0 | 0 |
| 0 | 1 |
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| 0 | 1 |
| 0 | 1 |
| 0.94 | 0 |
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| 0 | 0.71 |
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| 0 | 0 |
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| 0.415 | 0.67 |

For Peer Review

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| 0 | 0.91 |
| 0 | 1 |
| 0 | 0.36 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0.4 |
| 0.315 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.435 | 1 |
| 0.525 | 0 |
| 0 | 0.95 |
| 0.625 | 0 |
| 0 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.91 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.485 | 0.91 |
| 0 | 0.59 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |
| 1 | 0.56 |
| 0 | 0 |
| 0 | 0.43 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.77 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 1 |
| 0 | 0 |
| 0.415 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.455 | 0 |
| 0 | 0.77 |
| 0 | 1 |
| 0 | 0.45 |
| 0 | 0 |
| 0 | 0 |
| 0.715 | 0.91 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.315 | 0 |
| 0 | 0.91 |
| 0 | 0.91 |
| 0 | 0.71 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.67 |
| 0.475 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0.455 | 0 |
| 0 | 1 |
| 0.91 | 1 |

Preprint
Peer Review

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|----|-------|-----|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0.525 | 0 |
| 23 | 0 | 0.3 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0.77 | 0 |
| 29 | 1 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0.455 | 1 |
| 33 | 0.475 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0.665 | 0 |
| 39 | 1 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0.835 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 1 |
| 58 | 0 | 0 |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0 |
| 4 | 0.335 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0.83 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0.605 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0.65 | 0 |
| 39 | 0 | 1 |
| 40 | 0 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 0.45 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0.525 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 1 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0.455 | 1 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0.77 |
| 0 | 0.59 |
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| 0 | 0.91 |
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| 0 | 1 |
| 0.91 | 1 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
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| 0.69 | 1 |
| 0 | 0.77 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.525 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0 | 0 |
| 0.925 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0.95 | 0 |
| 0.305 | 0 |

For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.665 | 0 |
| 3 | 0.385 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0.555 | 1 |
| 9 | 0 | 0 |
| 10 | 1 | 0 |
| 11 | 0 | 1 |
| 12 | 0.385 | 1 |
| 13 | 0 | 0.83 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0.8 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 0.77 |
| 23 | 0.75 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0.83 |
| 30 | 0 | 0 |
| 31 | 0.6 | 1 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0.71 |
| 35 | 0 | 1 |
| 36 | 0.715 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0.835 | 0 |
| 41 | 0.625 | 0 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0.305 | 0 |
| 45 | 0 | 0 |
| 46 | 0.435 | 1 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 1 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 0 | 0.91 |
| 58 | | |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0.665 | 0 |
| 5 | 0 | 0.87 |
| 6 | 0.625 | 0 |
| 7 | 0 | 0.77 |
| 8 | 0 | 0 |
| 9 | 0.925 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0.83 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0.71 |
| 16 | 0 | 1 |
| 17 | 0 | 0.59 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0.71 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0.94 | 1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0.59 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0.83 |
| 43 | 0 | 0 |
| 44 | 0 | 1 |
| 45 | 0 | 0.63 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0.91 |
| 54 | 0.355 | 0.67 |
| 55 | 0 | 0 |
| 56 | 0.625 | 1 |
| 57 | 0 | 1 |
| 58 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.455 | 1 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0.67 |
| 13 | 0 | 0 |
| 14 | 0.605 | 0 |
| 15 | 0.91 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0.83 |
| 18 | 0 | 1 |
| 19 | 0 | 0.63 |
| 20 | 0 | 1 |
| 21 | 0.5 | 0.67 |
| 22 | 0 | 0.83 |
| 23 | 0.315 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0.665 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0.625 | 1 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 0.45 |
| 38 | 0.65 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0.95 |
| 47 | 0.5 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0.625 | 0.56 |
| 51 | 0 | 0.83 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0.71 |
| 57 | 0 | 0 |
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| 0 | 0.67 |
| 0.355 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.315 | 0 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0.63 |
| 0 | 1 |
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| 0 | 1 |
| 0.59 | 0 |
| 0 | 0.63 |
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| 0 | 1 |
| 0.465 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.385 | 0 |
| 0 | 0 |
| 0.5 | 0 |
| 0.77 | 1 |
| 0 | 0 |
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| 0 | 1 |
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| 0 | 0.91 |

Preprint
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|----|-------|------|
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0.95 |
| 8 | 0 | 0.95 |
| 9 | 0 | 0.77 |
| 10 | 0 | 0.77 |
| 11 | 0 | 0 |
| 12 | 0 | 0.71 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 0.53 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.355 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0.77 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 1 | 0 |
| 34 | 0.515 | 0 |
| 35 | 0 | 0 |
| 36 | 0.575 | 1 |
| 37 | 0 | 0 |
| 38 | 0 | 0.83 |
| 39 | 0 | 0.83 |
| 40 | 0.79 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 0.33 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 1 | 0 |
| 46 | 0 | 1 |
| 47 | 0 | 0.36 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0.68 | 0 |
| 51 | 0 | 0.77 |
| 52 | 0 | 1 |
| 53 | 0 | 0.83 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.88 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.83 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.555 | 0.83 |
| 0 | 1 |
| 0.555 | 0.56 |
| 0 | 0 |
| 0 | 1 |
| 0.77 | 0 |
| 0 | 0.48 |
| 0 | 0.71 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.38 |
| 0 | 0.8 |
| 0 | 1 |
| 0.435 | 0 |
| 0 | 0.56 |
| 0.5 | 1 |
| 1 | 0 |
| 0 | 1 |
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| 1 | | |
| 2 | 0 | 1 |
| 3 | 0.59 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 0.53 |
| 7 | 0 | 1 |
| 8 | 0.625 | 1 |
| 9 | 0.385 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0.535 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0.355 | 0 |
| 25 | 0.325 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0.45 |
| 30 | 0.555 | 0 |
| 31 | 0.415 | 0.53 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0.555 | 0 |
| 37 | 0 | 0.91 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 1 | 0 |
| 41 | 0 | 0.67 |
| 42 | 1 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0.715 | 0.56 |
| 47 | 0.87 | 0.53 |
| 48 | 0.5 | 0 |
| 49 | 0 | 1 |
| 50 | 0.665 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0.385 | 1 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 0.48 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0.715 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 0.77 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 0.63 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 1 | 1 |
| 24 | 0 | 0 |
| 25 | 1 | 0 |
| 26 | 0 | 0.77 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0.525 | 0 |
| 31 | 0 | 0 |
| 32 | 0.925 | 0.77 |
| 33 | 0 | 0 |
| 34 | 0 | 0.53 |
| 35 | 0 | 0.53 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0.625 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0.525 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0.59 |
| 44 | 0 | 0 |
| 45 | 0 | 0.53 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 1 |
| 49 | 0 | 1 |
| 50 | 0 | 0.48 |
| 51 | 0 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 0.48 |
| 55 | 0 | 0 |
| 56 | 0 | 1 |
| 57 | 1 | 0 |
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| 1 | | |
| 2 | 1 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.75 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0.71 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 1 | 0.67 |
| 26 | 0.415 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0.385 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 1 |
| 37 | 0 | 0.77 |
| 38 | 1 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0.59 |
| 42 | 0 | 1 |
| 43 | 0 | 0 |
| 44 | 0 | 0.4 |
| 45 | 0 | 0.5 |
| 46 | 0 | 0 |
| 47 | 0 | 1 |
| 48 | 0 | 0 |
| 49 | 0.415 | 0 |
| 50 | 0 | 0 |
| 51 | 1 | 1 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
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|-------|------|
| 0 | 0 |
| 0 | 0.67 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.77 | 0 |
| 0 | 0 |
| 0 | 0.53 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0.43 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0 |
| 0.335 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.455 | 1 |
| 0.65 | 0 |
| 0.77 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0.455 | 0.83 |
| 0 | 0 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.385 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0.33 |
| 6 | 0 | 0.65 |
| 7 | 0 | 0 |
| 8 | 0 | 0.91 |
| 9 | 0 | 1 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0.37 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0.91 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 0 | 0 |
| 31 | 0 | 1 |
| 32 | 0.625 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 0.77 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 0 | 0.59 |
| 46 | 0 | 0 |
| 47 | 0 | 0.59 |
| 48 | 0 | 1 |
| 49 | 0 | 0 |
| 50 | 1 | 0.53 |
| 51 | 0 | 0.5 |
| 52 | 0 | 1 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 0 |
| 58 | 0 | 0 |
| 59 | | |
| 60 | | |

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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 0.95 |
| 5 | 0.355 | 0 |
| 6 | 0.385 | 0 |
| 7 | 0 | 1 |
| 8 | 0.355 | 0 |
| 9 | 0.315 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0.625 | 0 |
| 15 | 0 | 0 |
| 16 | 0.525 | 0.63 |
| 17 | 1 | 0 |
| 18 | 0 | 0.91 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0.63 |
| 23 | 0 | 0.67 |
| 24 | 1 | 0.71 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0.56 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0.475 | 1 |
| 40 | 0 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 0.95 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 1 | 0 |
| 46 | 0 | 0.48 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0.32 |
| 50 | 0 | 1 |
| 51 | 0.94 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0.87 | 0 |
| 57 | | |
| 58 | | |
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|----|-------|------|
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.77 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0.91 |
| 14 | 0 | 0.56 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0.59 |
| 19 | 0 | 0.83 |
| 20 | 0 | 0 |
| 21 | 0 | 0.83 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0.5 | 0 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0.91 | 1 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0.67 |
| 40 | 0 | 0.77 |
| 41 | 0.665 | 0 |
| 42 | 0 | 0 |
| 43 | 1 | 1 |
| 44 | 0.91 | 0 |
| 45 | 1 | 0.63 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0.625 | 0 |
| 49 | 0.665 | 0.77 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0 | 1 |
| 58 | 0 | 1 |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.525 | 0 |
| 3 | 1 | 0.91 |
| 4 | 0.5 | 0.48 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 0 |
| 9 | 0 | 0.59 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0.435 | 0 |
| 25 | 0.625 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0.525 | 0 |
| 30 | 0.475 | 0 |
| 31 | 0 | 0.53 |
| 32 | 0 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 0 |
| 35 | 0.555 | 0.71 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 0.32 |
| 39 | 0 | 1 |
| 40 | 0.87 | 0 |
| 41 | 0.87 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0.835 | 0 |
| 48 | 0 | 0 |
| 49 | 0.555 | 0 |
| 50 | 0 | 0.48 |
| 51 | 0 | 0.77 |
| 52 | 0 | 0 |
| 53 | 0.455 | 0 |
| 54 | 0 | 0.63 |
| 55 | 0 | 1 |
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| 0.675 | 0 |
| 0 | 0.91 |
| 0.91 | 0.67 |
| 0 | 0 |
| 0.455 | 0 |
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| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.625 | 0.91 |
| 0 | 0.56 |
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| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.67 |
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| 0 | 0.48 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0.385 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.3 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.45 |
| 0 | 0.95 |
| 0 | 0 |
| 0 | 0.83 |
| 0 | 0.42 |
| 0.555 | 0 |
| 0 | 1 |
| 0 | 0.56 |
| 0.5 | 0 |

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| 0 | 1 |
| 0 | 0 |
| 0.335 | 0 |
| 0 | 0.5 |
| 0 | 0 |
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| 0.475 | 0 |
| 0.555 | 0 |
| 0 | 0 |
| 0 | 0.83 |
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| 0.59 | 0.59 |
| 0 | 0 |
| 0 | 0.95 |
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| 0 | 0.63 |
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| 0 | 0.54 |
| 0 | 0.61 |
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| 0 | 0.5 |
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| 0 | 0 |
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| 0 | 1 |
| 0 | 0.67 |
| 0 | 0.63 |
| 0 | 0 |
| 0.315 | 0 |
| 0.95 | 0 |
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| 0.5 | 0.59 |
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For Peer Review

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| 0.385 | 0 |
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| 0 | 0.71 |
| 0.555 | 0 |
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| 0.415 | 0.67 |
| 0 | 0 |
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| 0.355 | 0 |
| 0 | 0 |
| 0.555 | 0 |
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| 0 | 1 |
| 0 | 0 |
| 0.77 | 0 |
| 0 | 0 |
| 0.415 | 1 |
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| 0 | 0.4 |
| 0.665 | 0 |
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| 0 | 0.5 |
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| 0 | 0.71 |
| 0 | 0 |
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| 0 | 1 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.5 |
| 0.625 | 0 |
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| 0 | 0.45 |
| 0 | 0 |
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| 0.77 | 0.95 |
| 0 | 0.53 |
| 0 | 1 |
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| 0 | 0 |
| 1 | 0 |
| 0 | 0.77 |
| 0 | 0 |
| 0 | 0.5 |
| 0 | 0 |
| 0.95 | 0.91 |
| 0.91 | 0.91 |
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For Peer Review

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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0.4 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0.59 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 1 |
| 19 | 0 | 0.71 |
| 20 | 0.415 | 0.67 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 1 |
| 30 | 1 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0.59 |
| 33 | 0 | 0.91 |
| 34 | 0 | 0 |
| 35 | 0.715 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0.63 |
| 38 | 0 | 0.63 |
| 39 | 0.665 | 0 |
| 40 | 0 | 1 |
| 41 | 0.835 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0.45 |
| 44 | 0 | 0 |
| 45 | 0 | 1 |
| 46 | 0.415 | 0.91 |
| 47 | 1 | 0 |
| 48 | 0 | 0 |
| 49 | 0.385 | 0.56 |
| 50 | 0.415 | 0 |
| 51 | 0.385 | 0 |
| 52 | 0 | 1 |
| 53 | 0 | 0.63 |
| 54 | 0 | 0 |
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| 0 | 0.71 |
| 0 | 0.77 |
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| 0 | 1 |
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| 1 | 0.67 |
| 0 | 1 |
| 0 | 1 |
| 0.385 | 0.77 |
| 0 | 0 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0 |
| 0.77 | 0 |
| 0 | 0.63 |
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| 0 | 0 |
| 0 | 0 |
| 0 | 0.67 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.77 |
| 0 | 0.91 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.37 |
| 0 | 0 |
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For Peer Review

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|----|-------|------|
| 1 | | |
| 2 | 0.475 | 0 |
| 3 | 0.475 | 0 |
| 4 | 0.88 | 0 |
| 5 | 1 | 1 |
| 6 | 0 | 1 |
| 7 | 0.715 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0 | 0 |
| 12 | 0 | 1 |
| 13 | 0 | 1 |
| 14 | 0 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0.43 |
| 24 | 0 | 0 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0.415 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0.415 | 0 |
| 41 | 0 | 1 |
| 42 | 0 | 1 |
| 43 | 0 | 1 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 1 |
| 48 | 0 | 0.43 |
| 49 | 0 | 0 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0.8 | 0 |
| 57 | 0.455 | 0 |
| 58 | | |
| 59 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0.91 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0.91 |
| 10 | 0.625 | 0 |
| 11 | 0.555 | 0 |
| 12 | 0.415 | 0 |
| 13 | 0.415 | 0 |
| 14 | 0.81 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 1 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 1 |
| 31 | 0 | 1 |
| 32 | 0 | 1 |
| 33 | 0 | 1 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0.71 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0.645 | 0 |
| 42 | 0.6 | 0 |
| 43 | 0.86 | 0 |
| 44 | 0.715 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 1 | 0.77 |
| 51 | 0 | 0.45 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0.32 |
| 57 | 0 | 0 |
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For Peer Review

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| 1 | | |
| 2 | 0.315 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0.355 | 0.83 |
| 11 | 0 | 1 |
| 12 | 0 | 0 |
| 13 | 0 | 1 |
| 14 | 0.555 | 0 |
| 15 | 0.77 | 0.67 |
| 16 | 0 | 0.45 |
| 17 | 0 | 0.53 |
| 18 | 0 | 1 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | 0.535 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 1 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |
| 35 | 0.575 | 0.5 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 0.77 |
| 42 | 0 | 0.77 |
| 43 | 0 | 0.33 |
| 44 | 0 | 1 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 0.43 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
| 55 | 0 | 1 |
| 56 | 0 | 1 |
| 57 | 0 | 1 |
| 58 | 0 | 0 |
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|----|-------|------|
| 1 | | |
| 2 | 0.455 | 1 |
| 3 | 0 | 1 |
| 4 | 0 | 0 |
| 5 | 0 | 0.59 |
| 6 | 0 | 0 |
| 7 | 0 | 0.56 |
| 8 | 0.5 | 0.91 |
| 9 | 0.535 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 1 | 1 |
| 15 | 0 | 0 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0.95 |
| 19 | 0 | 0.45 |
| 20 | 0 | 0 |
| 21 | 1 | 0 |
| 22 | 0.835 | 0 |
| 23 | 0 | 0 |
| 24 | 0.8 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 0 |
| 29 | 0 | 0.42 |
| 30 | 0.475 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0.5 |
| 33 | 0.77 | 0.42 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0.59 |
| 37 | 0 | 0.56 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 0.53 |
| 43 | 0 | 0 |
| 44 | 0.835 | 0 |
| 45 | 0 | 0 |
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| 0 | 1 |
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| 0 | 0.56 |
| 0 | 0 |
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| 0 | 0.56 |
| 0 | 0.59 |
| 0 | 0 |
| 0 | 0 |
| 0.355 | 0 |
| 0 | 1 |
| 0 | 0.3 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.315 | 0 |
| 0 | 0 |
| 0.335 | 0.48 |
| 0.315 | 0 |
| 1 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0.91 | 0 |
| 0 | 1 |
| 0.335 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0.665 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0.455 | 0.45 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0.38 |
| 0 | 0.67 |
| 0.315 | 0.67 |
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| 0.715 | 1 |
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| 0 | 0.67 |
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| 0.625 | 0.59 |
| 0.87 | 0 |
| 0 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 0.56 |
| 0 | 0.56 |
| 0.5 | 0 |
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| 1 | | |
| 2 | 0 | 1 |
| 3 | 0 | 0 |
| 4 | 0.325 | 0 |
| 5 | 0 | 1 |
| 6 | 0.715 | 0 |
| 7 | 1 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 0 |
| 10 | 0 | 1 |
| 11 | 0 | 0 |
| 12 | 0 | 0.56 |
| 13 | 0 | 0.53 |
| 14 | 0 | 0 |
| 15 | 0 | 0.5 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 1 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 1 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0.91 | 0 |
| 45 | 0 | 1 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 1 |
| 49 | 0 | 0.5 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 1 |
| 54 | 0 | 1 |
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| 56 | 0 | 1 |
| 57 | 0 | 1 |
| 58 | 0 | 1 |
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| 0.8 | 1 |
| 0 | 0.91 |
| 0 | 0.63 |
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| 0 | 0 |
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| 0 | 1 |
| 0 | 1 |
| 0 | 0.56 |
| 0 | 0.74 |
| 0 | 0.74 |
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| 0 | 0 |
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| 0 | 1 |
| 0 | 1 |
| 0.91 | 0 |
| 0 | 0.5 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
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| 0.385 | 0 |
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For Peer Review

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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0.415 | 0 |
| 6 | 0.75 | 0 |
| 7 | 0 | 0.71 |
| 8 | 0.88 | 0.67 |
| 9 | 0.525 | 0.31 |
| 10 | 0 | 0 |
| 11 | 0 | 0.63 |
| 12 | 0 | 0.42 |
| 13 | 0 | 0.83 |
| 14 | 0 | 1 |
| 15 | 1 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0.5 | 0 |
| 19 | 0 | 0 |
| 20 | 0.645 | 0 |
| 21 | 0 | 1 |
| 22 | 0 | 1 |
| 23 | 0 | 1 |
| 24 | 0 | 1 |
| 25 | 0 | 1 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 1 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0 | 0.91 |
| 34 | 0 | 1 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0 | 1 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0.5 |
| 44 | 0.385 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 1 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 1 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0.715 | 0 |
| 53 | 0 | 0.83 |
| 54 | 0 | 0 |
| 55 | 0 | 0 |
| 56 | 0 | 0 |
| 57 | 0 | 1 |
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| 0 | 0 |
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| 0.355 | 1 |
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| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0.5 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
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| 0.91 | 0 |
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| 0.74 | 0.59 |
| 0.79 | 0 |
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| 0 | 0.59 |
| 0.385 | 1 |
| 0 | 1 |
| 0 | 0 |
| 0 | 0.83 |
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| 0 | 0.48 |
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| 0 | 1 |
| 0.665 | 0.8 |
| 0 | 0 |
| 0.525 | 0 |
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| 0 | 0 |
| 0.835 | 0 |
| 0 | 0 |
| 0.385 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0.335 | 0 |
| 0 | 0 |
| 0.525 | 0 |
| 0 | 1 |
| 0 | 0.38 |
| 0.94 | 0 |
| 0.315 | 0 |
| 0 | 0.5 |
| 0 | 0 |
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| 0.355 | 0.67 |
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| 0 | 0 |
| 0 | 0.42 |
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| 0.415 | 0 |
| 0 | 0 |
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| 0.315 | 0 |
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| 0.625 | 0 |
| 0 | 1 |
| 1 | 0 |
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| 0.435 | 0 |
| 0 | 1 |
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| 0 | 0 |
| 0 | 0.71 |
| 0.355 | 0 |
| 0 | 0.42 |
| 0 | 0.42 |
| 0 | 0 |
| 0.5 | 0 |
| 1 | 0 |
| 0 | 0 |
| 0 | 0.42 |
| 0 | 0.56 |
| 0.5 | 0 |
| 0 | 0.45 |
| 0 | 1 |
| 0 | 0.53 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 0.53 |
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| 1 | | |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 1 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 1 | 0.59 |
| 9 | 0.65 | 0 |
| 10 | 0.715 | 0.5 |
| 11 | 0 | 0 |
| 12 | 0.315 | 0 |
| 13 | 0 | 1 |
| 14 | 1 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0.53 |
| 17 | 1 | 0 |
| 18 | 1 | 0 |
| 19 | 0 | 1 |
| 20 | 0 | 0.67 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 1 |
| 30 | 0 | 0.59 |
| 31 | 0 | 0.43 |
| 32 | 0.625 | 0.95 |
| 33 | 0.335 | 0.5 |
| 34 | 0.355 | 0 |
| 35 | 0.455 | 0 |
| 36 | 0.5 | 0 |
| 37 | 0.335 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 0.835 | 0.67 |
| 41 | 0.665 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 1 |
| 44 | 0.59 | 0.71 |
| 45 | 0.415 | 1 |
| 46 | 0 | 0.48 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0.56 |
| 50 | 0 | 1 |
| 51 | 0 | 1 |
| 52 | 0 | 1 |
| 53 | 0 | 1 |
| 54 | 0.455 | 1 |
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| 1 | 0 |
| 0 | 0 |
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| 0 | 1 |
| 0.315 | 0 |
| 0 | 0.67 |
| 0.715 | 0 |
| 0 | 0 |
| 0 | 0 |
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| 0.835 | 1 |
| 0 | 1 |
| 0.385 | 1 |
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| 0.455 | 0 |
| 0 | 0 |
| 0.88 | 0.48 |
| 0 | 0 |
| 0 | 1 |
| 0 | 0 |
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| 0 | 1 |
| 0 | 0.5 |
| 0 | 0.42 |
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| 0 | 0 |
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| 0 | 1 |
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| 0 | 0.87 |
| 0.91 | 0 |

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| 0 | 0.67 |
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| 0 | 0.45 |
| 0.77 | 0.77 |
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For Peer Review

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| 1 | | |
| 2 | 0.91 | 1 |
| 3 | 0.455 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 1 |
| 6 | 1 | 0 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 0 | 1 |
| 10 | 0 | 1 |
| 11 | 0.335 | 1 |
| 12 | 0 | 1 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 1 |
| 16 | 0 | 1 |
| 17 | 0 | 1 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 1 |
| 21 | 0 | 0.63 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 1 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0.91 | 0 |
| 29 | 0 | 0.71 |
| 30 | 0.59 | 0 |
| 31 | 0 | 1 |
| 32 | 0.555 | 0 |
| 33 | 0 | 0 |
| 34 | 0.715 | 0 |
| 35 | 0 | 1 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 0 | 0 |
| 39 | 0 | 1 |
| 40 | 0 | 0 |
| 41 | 0.77 | 0.63 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0.43 |
| 45 | 0 | 1 |
| 46 | 0 | 1 |
| 47 | 0 | 0.63 |
| 48 | 0 | 0 |
| 49 | 0 | 0.63 |
| 50 | 0 | 1 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0.385 | 0 |
| 54 | 0 | 0 |
| 55 | 0.625 | 1 |
| 56 | 0 | 0.87 |
| 57 | | |
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|----|-------|------|
| 1 | | |
| 2 | 0.59 | 0 |
| 3 | 0 | 1 |
| 4 | 0 | 1 |
| 5 | 0 | 1 |
| 6 | 0 | 1 |
| 7 | 0 | 1 |
| 8 | 0 | 1 |
| 9 | 1 | 0 |
| 10 | 0 | 1 |
| 11 | 1 | 1 |
| 12 | 0 | 0.91 |
| 13 | 0 | 1 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 1 |
| 18 | 0.415 | 0.71 |
| 19 | 0.835 | 0 |
| 20 | 0 | 0.91 |
| 21 | 0 | 1 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0.45 |
| 27 | 1 | 0 |
| 28 | 0 | 1 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 0 | 0 |
| 32 | 0.625 | 0 |
| 33 | 0 | 1 |
| 34 | 0 | 1 |
| 35 | 0.715 | 0 |
| 36 | 0 | 1 |
| 37 | 0 | 1 |
| 38 | 0 | 1 |
| 39 | 0 | 1 |
| 40 | 0.455 | 1 |
| 41 | 0 | 0.63 |
| 42 | 0.77 | 0.83 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 1 | 0 |
| 47 | 0 | 0 |
| 48 | 0 | 1 |
| 49 | 0 | 0.77 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0.77 | 0 |
| 54 | 0 | 1 |
| 55 | 0.77 | 0.91 |
| 56 | 0 | 0 |
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| 0 | 0 |
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| 0.75 | 0.91 |
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For Peer Review