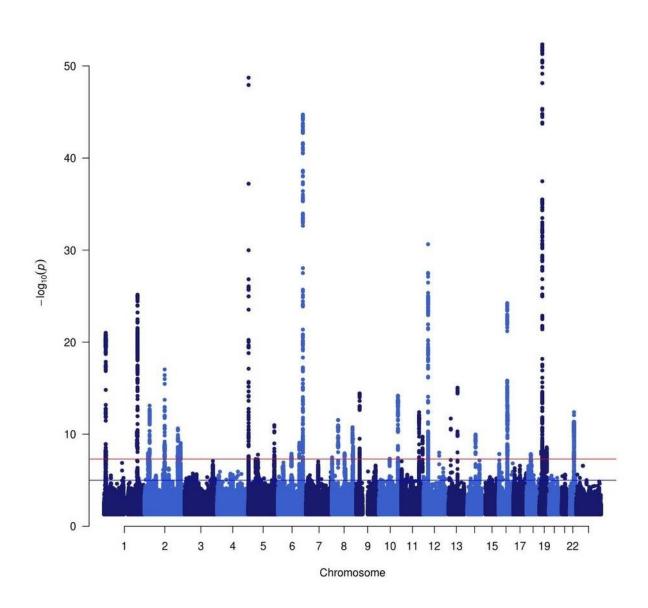
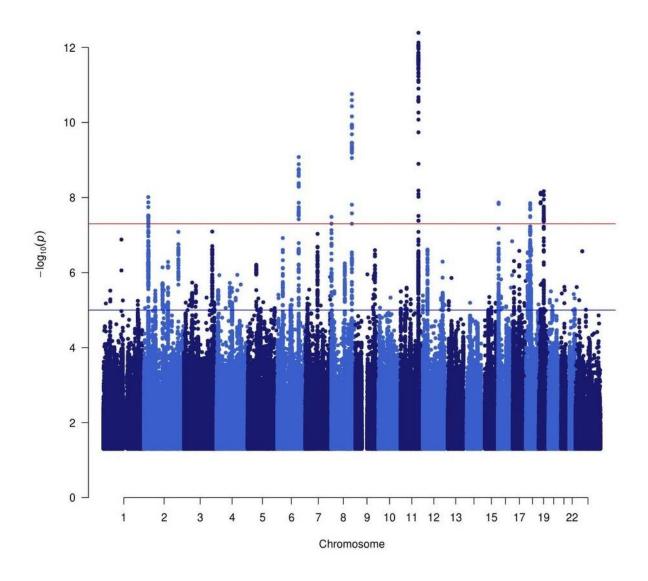
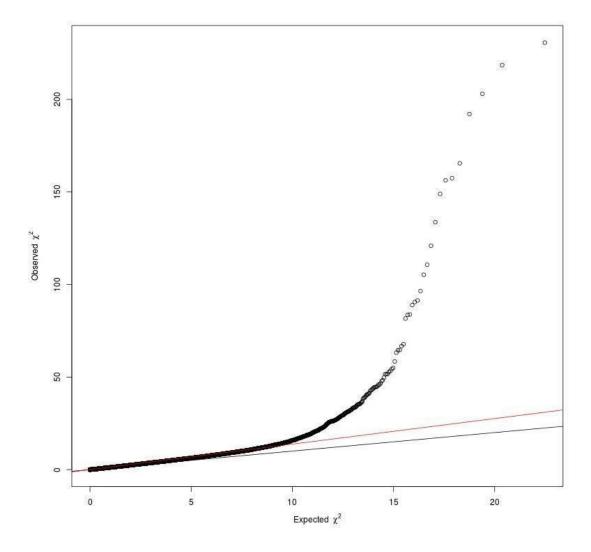
Supplementary Fig 1:



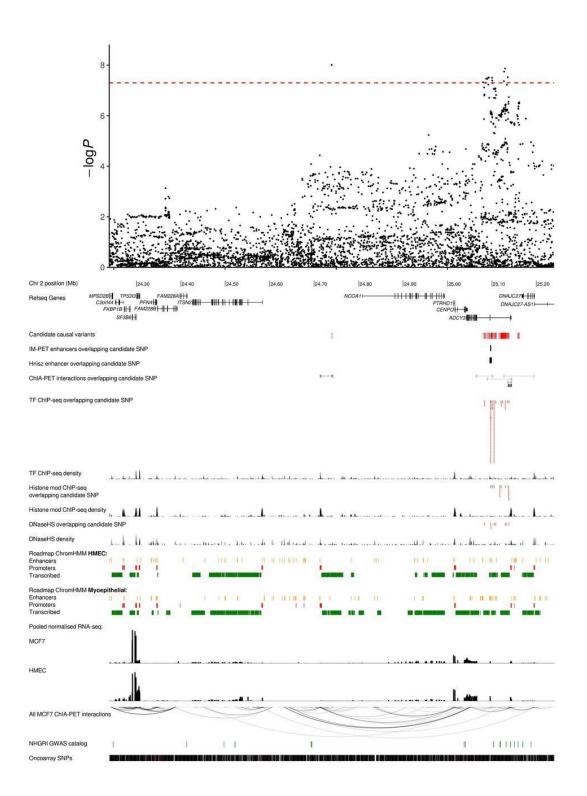
Supplementary Fig 2:



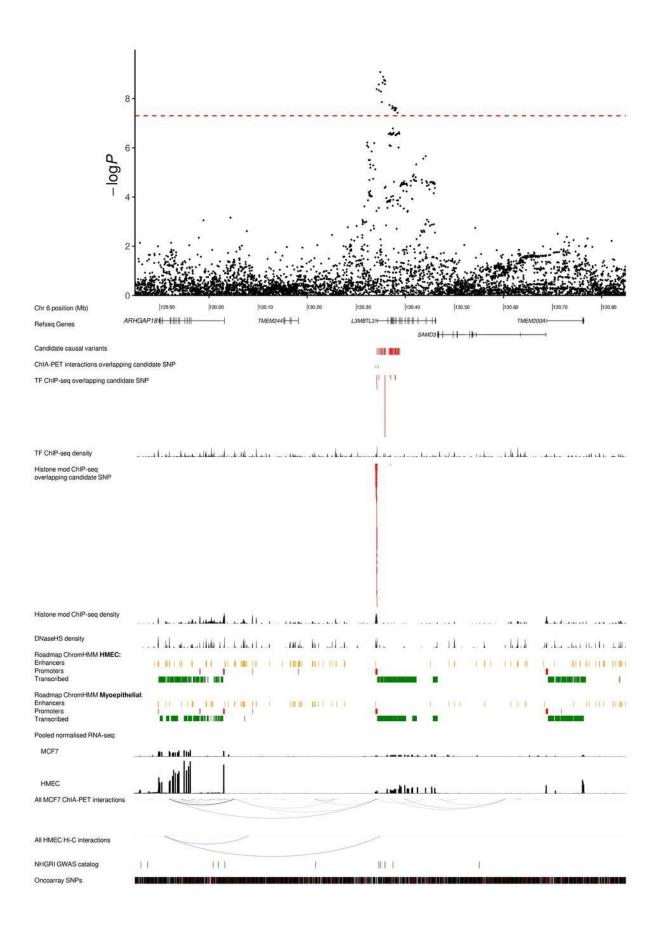
Supplementary Fig 3:



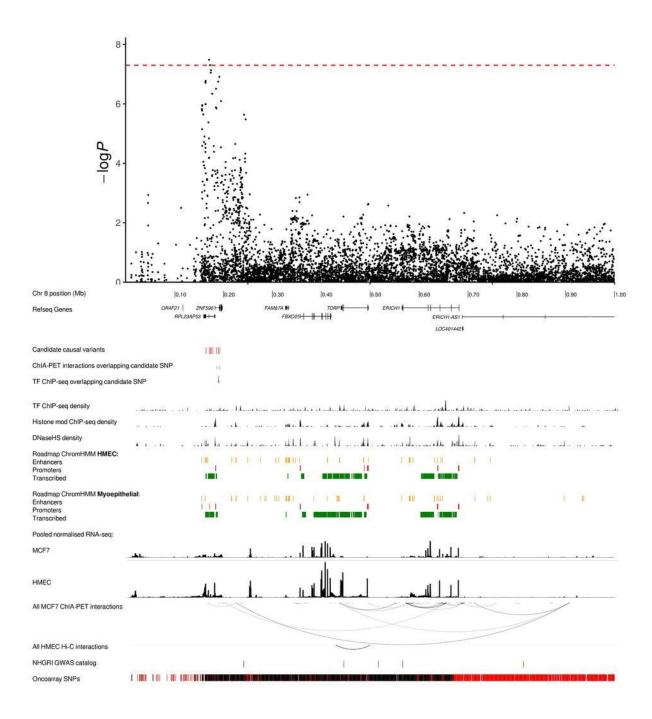
Supplementary Fig 4:



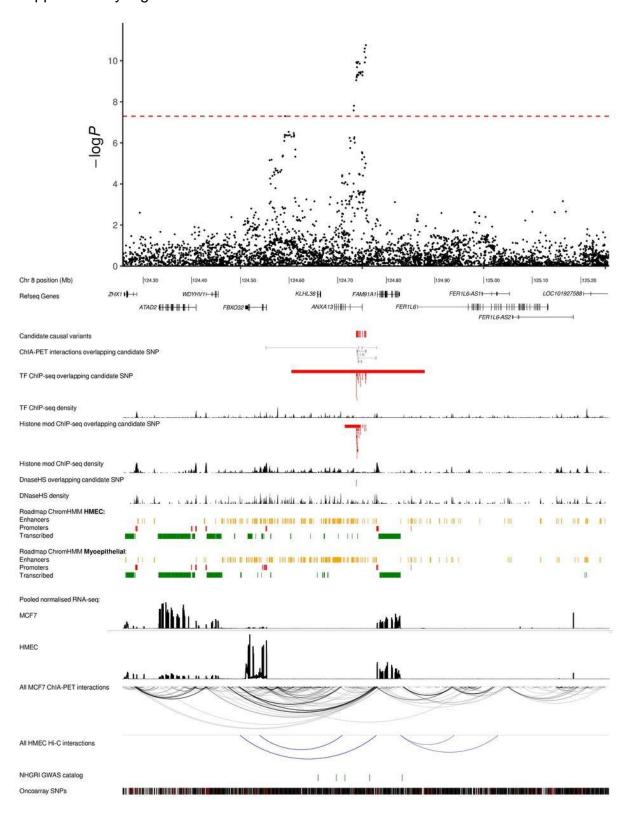
Supplementary Fig 5:



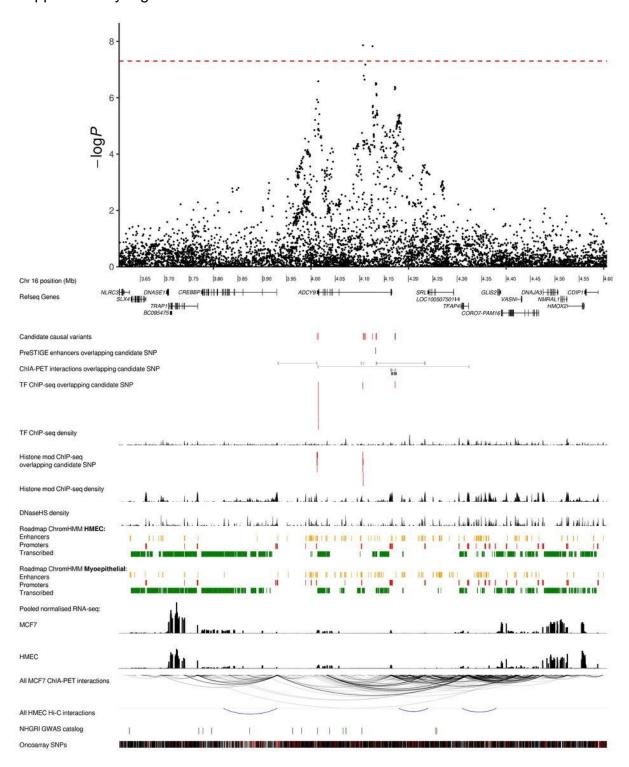
Supplementary Fig 6:



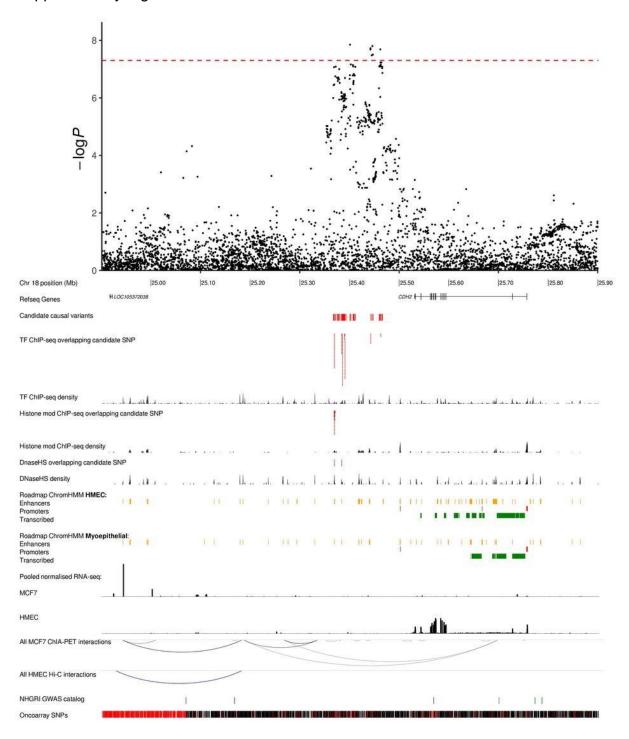
Supplementary Fig 7:



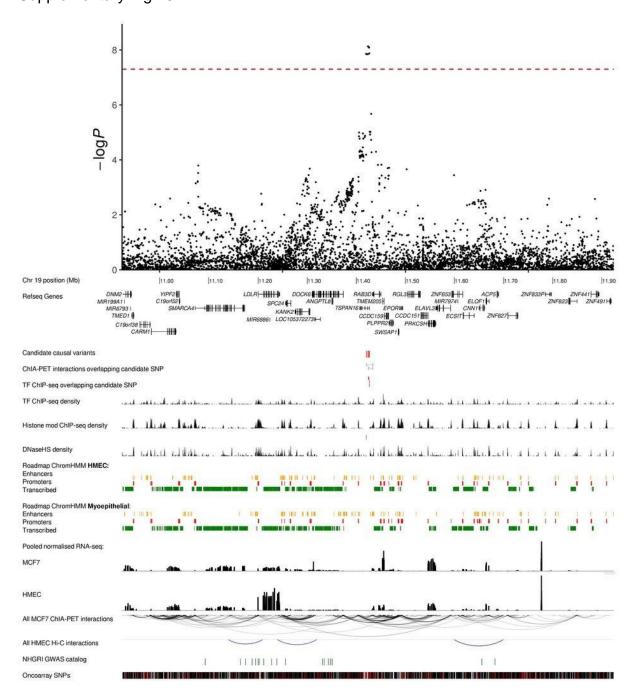
Supplementary Fig 8:



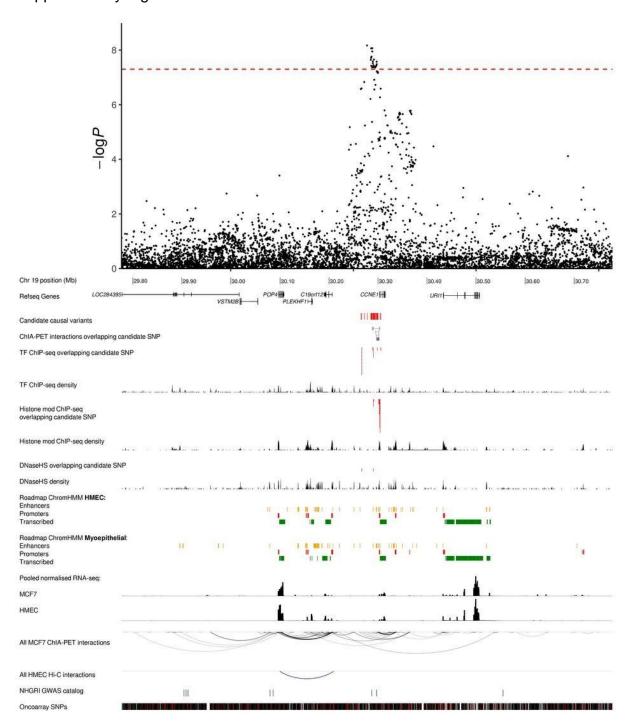
Supplementary Fig 9:



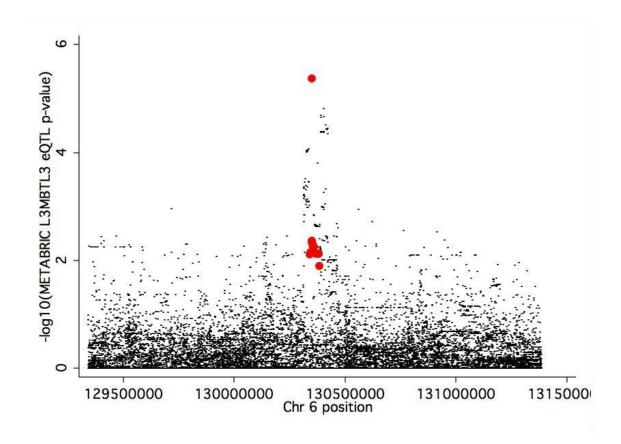
Supplementary Fig 10:



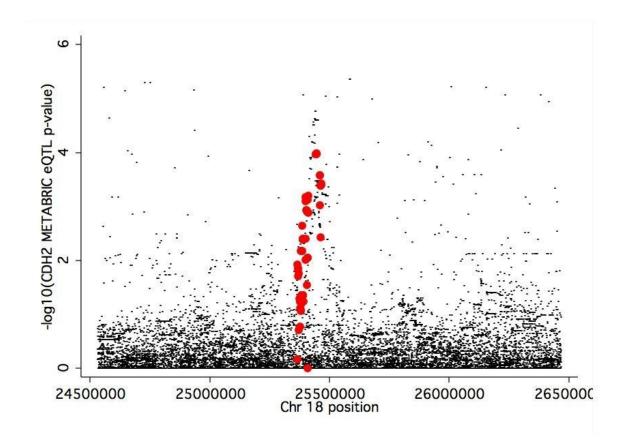
Supplementary Fig 11:



Supplementary Fig 12:

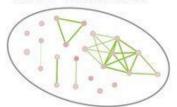


Supplementary Fig 13:

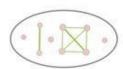


Supplementary Fig 14:

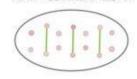
Apoptosis
CASP8 TERT CDKN2A



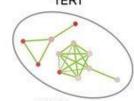
Double Strand Break Repair ATM



Cell Cycle/ DNA Damage Response ATM CDKN2A ESR1



Gene Silencing

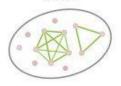


DNA
Demethylation/
Dealkylation

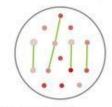
FTO



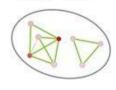
Reproductive System INHBB



Cell Aging/ Telomere TERT_CDKN2A_ATM



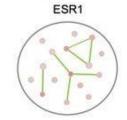
Regulation of Nitric Oxide Metabolism ESR1 TERT



Wnt/ Beta Catenin



Estrogen Receptor Regulation



Response to Catecholamine



Adenylate Cyclase ADCY3 ADCY9 PDE4D



Epithelial-Mesenchymal Interactions



Adherens Junction CDH2



Supplementary Fig 15:

