

Figure 1

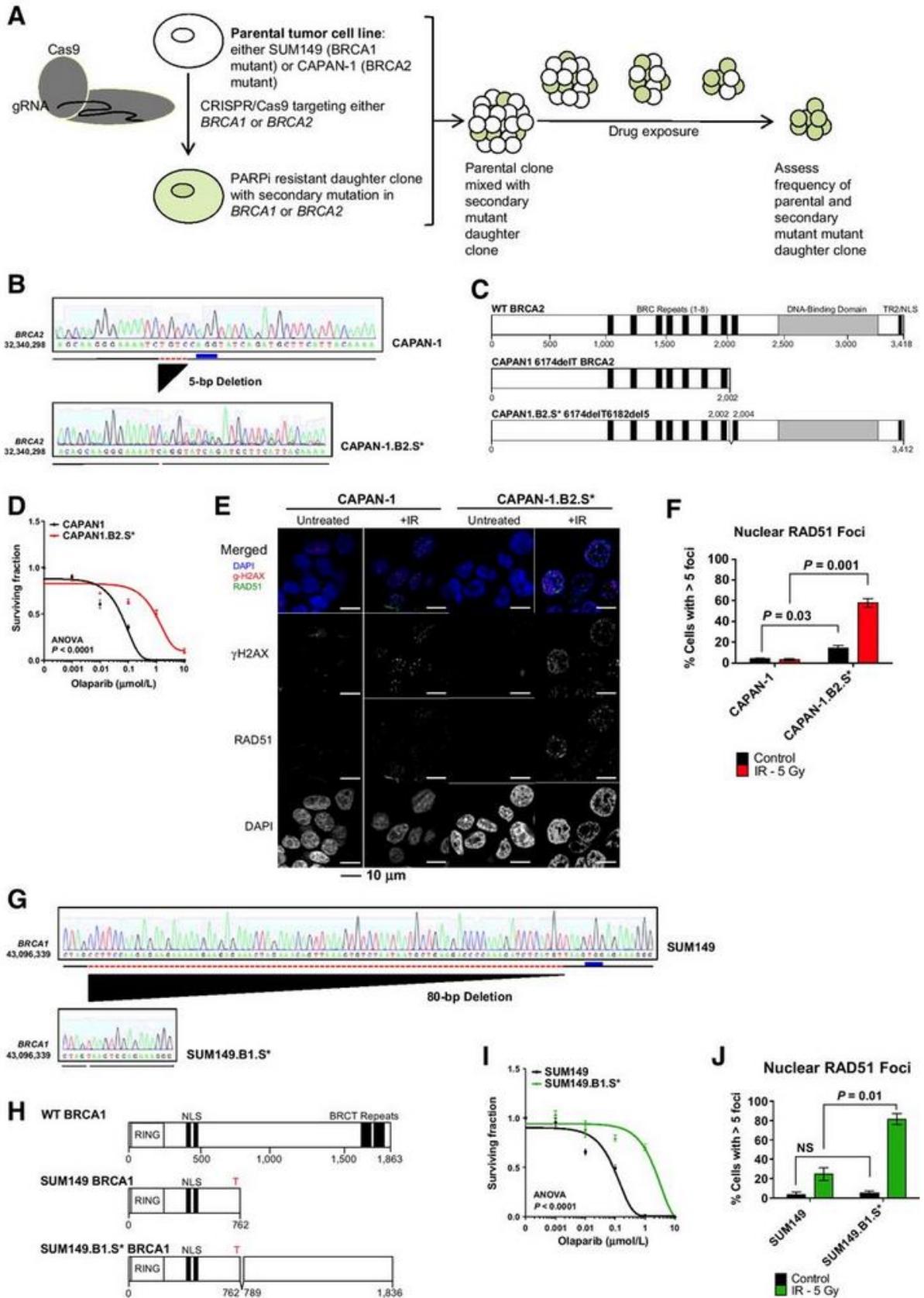


Figure 2

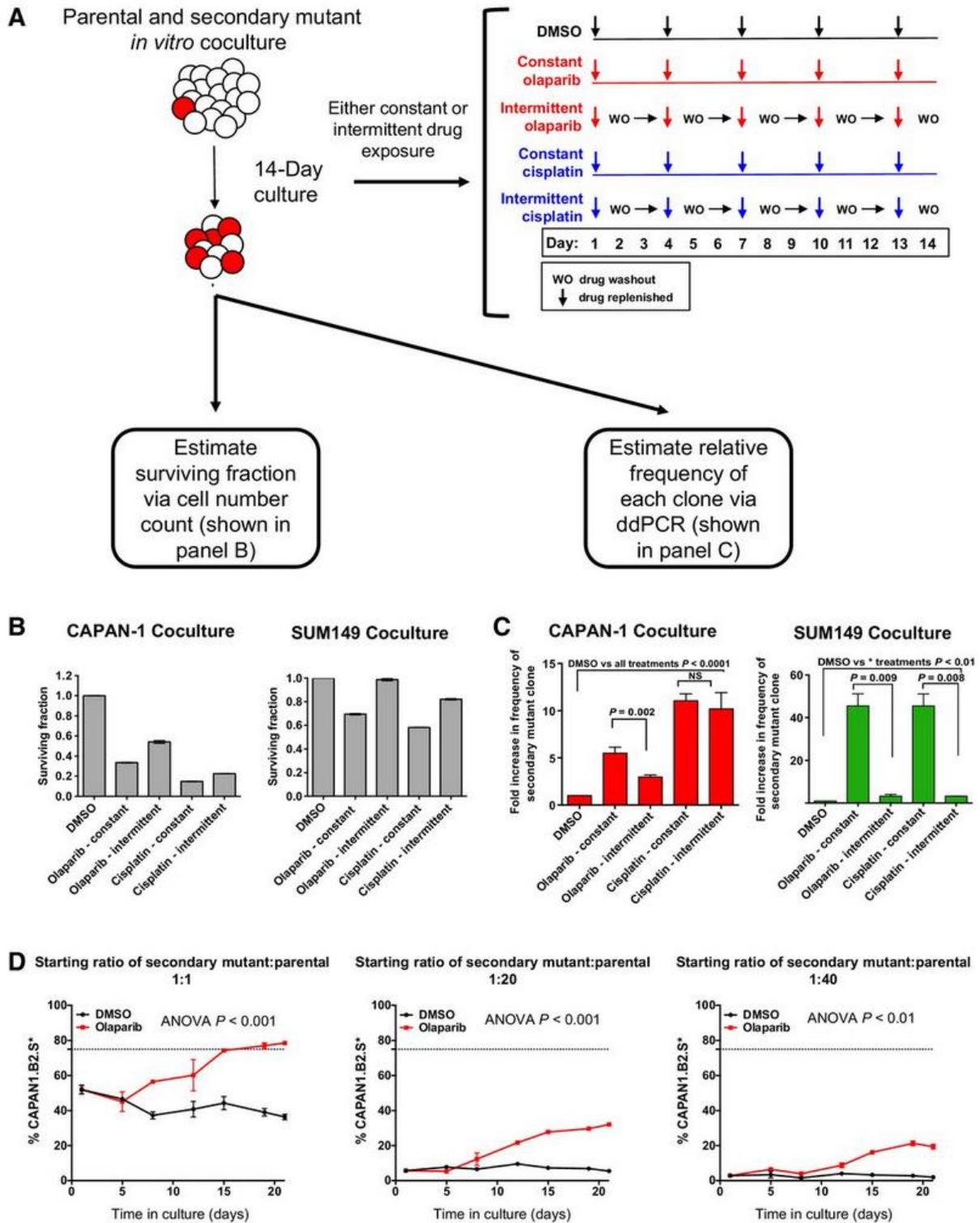


Figure 3

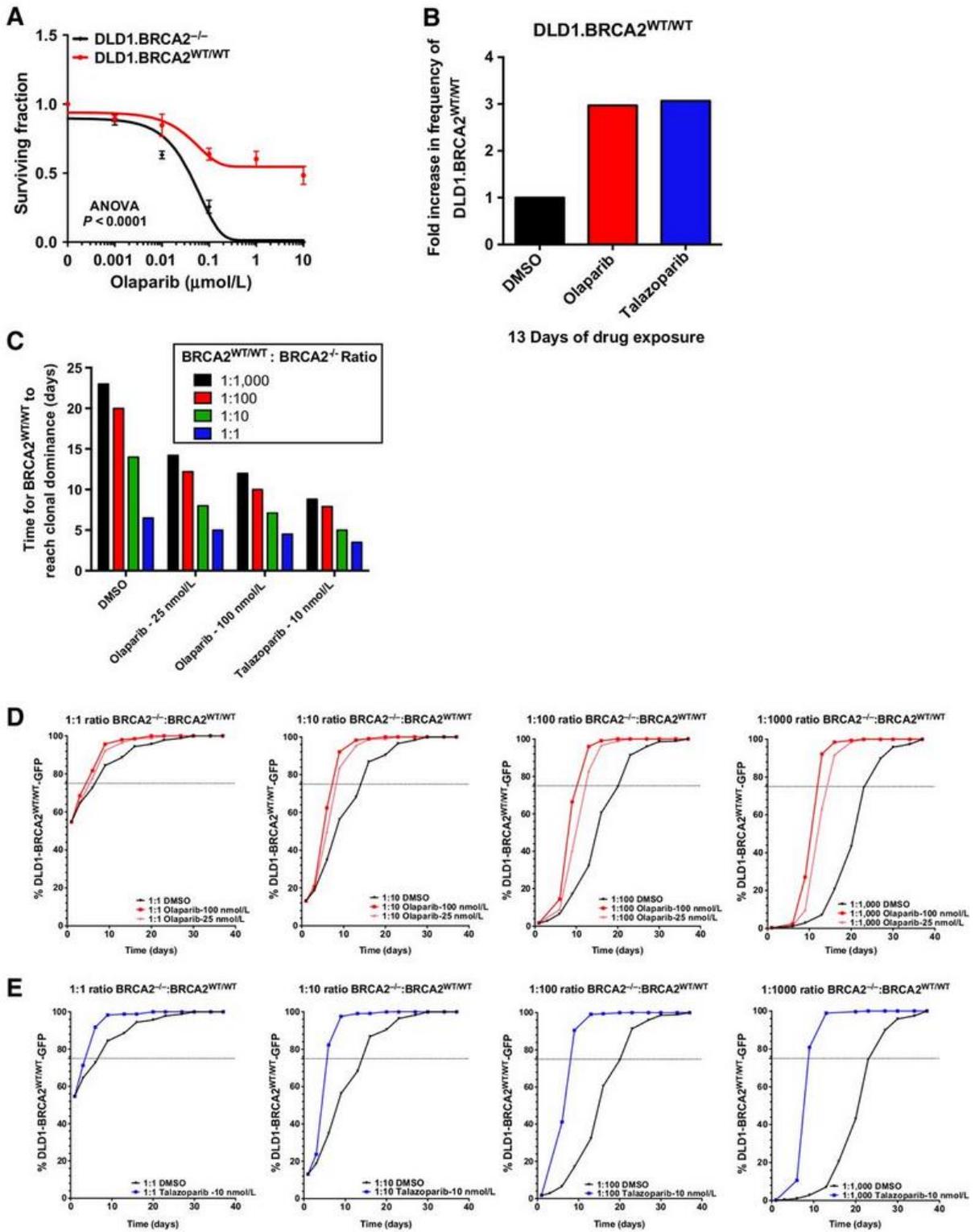


Figure 4

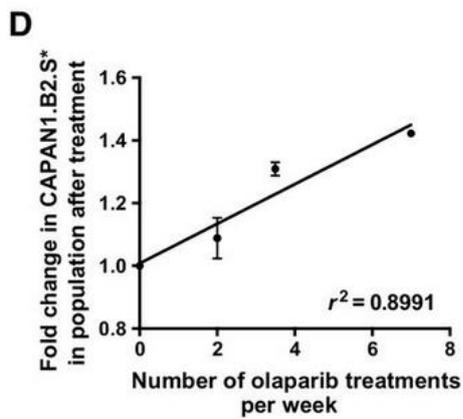
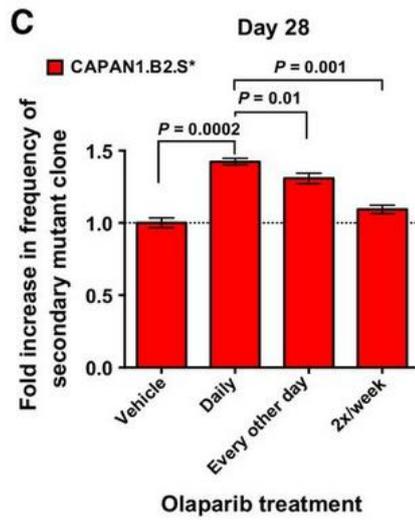
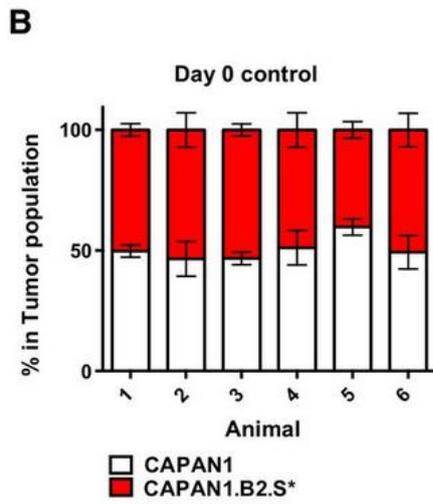
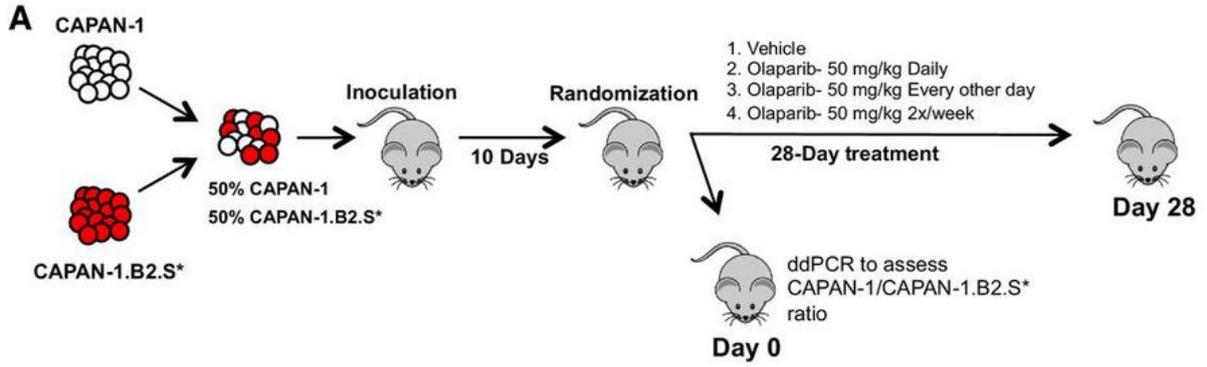


Figure 5

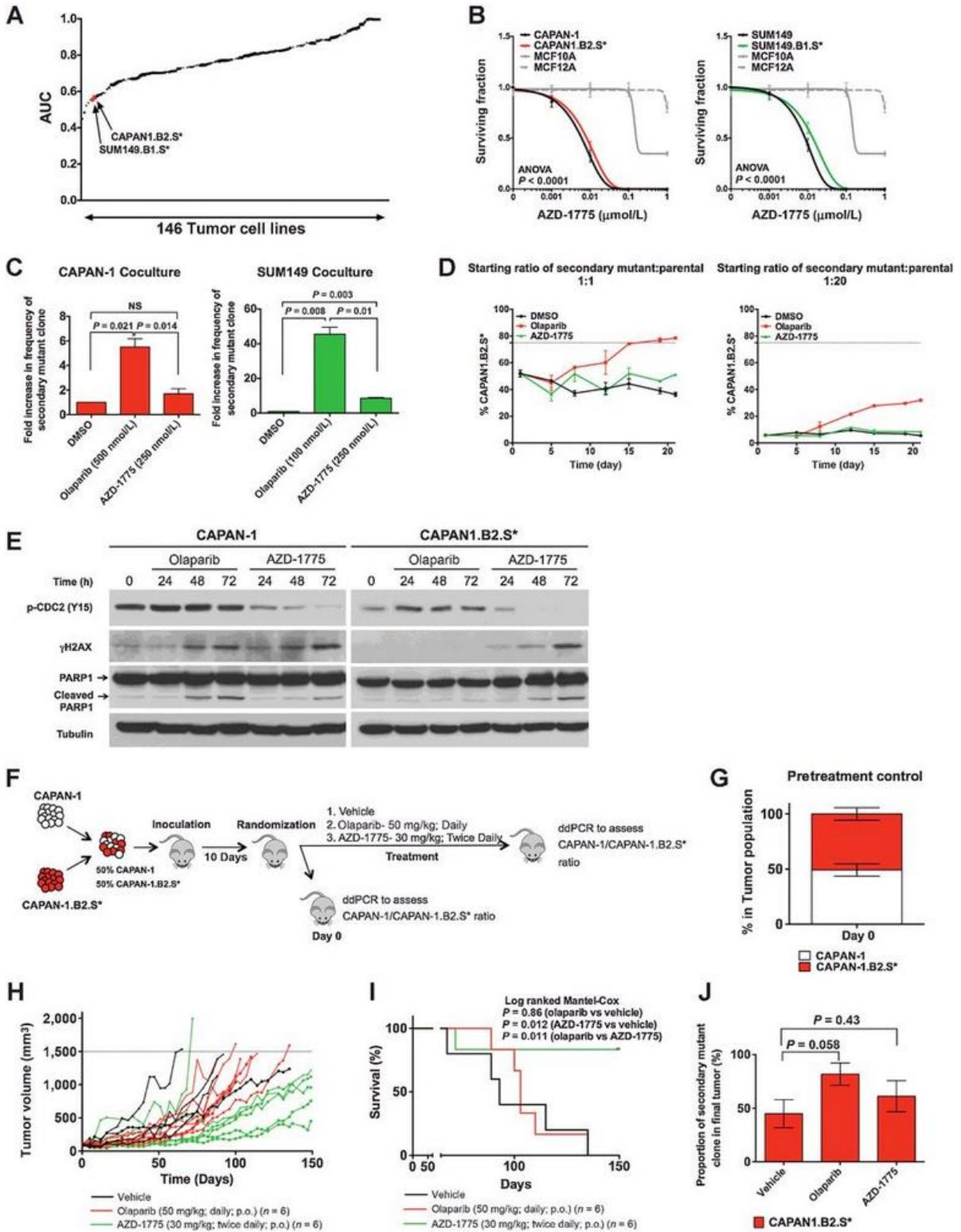


Table 1

Cell line	Reference sequence for BRCA2 CAGCAAGTGGAAAATCTGTCCAGGTATCAGATGCT	CRISPR-Induced mutation	Subcloned colonies sequenced (#)	Estimated allele frequency
CAPAN-1	CAGCAAG-GGAAAATCTGTCCAGGTATCAGATGC	N/A	20	1.00
CAPAN-1.B2.S*	CAGCAAG-GGAAAATCTGTCCAGGTATCAGATGC	CAPAN-1 (6174delT)	20	0.59
	CAGCAAG-GGAAAAT————CAGGTATCAGATGC	5-bp Deletion		0.41

Sequencing of *BRCA2* in CAPAN1.B2.S*

Table 2

Cell line	Reference sequence for BRCA1 CAATCCTAGCCTTCCAAGAGAAGAAAAGAAGAGAAAAGTAGAACAGTTAAAGTGTCTAATAATGCTGAAGACCCCAAGATCTCATGTTAAG	CRISPR-Induced mutation	Subcloned colonies sequenced (#)	Estimated allele frequency
SUM149	CAA-CCTAGCCTTCCAAGAGAAGAAAAGAAGAGAAAAGTAGAACAGTTAAAGTGTCTAATAATGCTGAAGACCCCAAGATCTCATGTTAAG	N/A	20	1.00
SUM149.B1.S*	CAA-CCTAG—————TAAG	80-bp Deletion	20	0.66
	CAA-CCTAGCCTTCCAAGAGAAGAAAAGAAGAGAAAAGTAGAACAGTTAAAGTGTCTAATAATGCTGAAGACCCCAAGATCTCATGTTAAG	SUM149 (2288delT)		0.33

Sequencing of *BRCA1* in SUM149.B1.S*