

BRC1	-----NHSFGG-SFRTASNKEIKLSEHNIKKSKMFFKDIEEQY	37
BRC2	-NEVGFRFG--FYSAHGTKLNVSTEALKAVK-LFSDIEN--	35
BRC3	EQNIKDFETSDTFFQTASGKNISVAKESFNKIVNFFDKQPEEL	43
BRC4	----KEPTLLG--FHTASGKKVKIAKESLDKVKNLFDEKEQ--	35
BRC5	----IENSALA--FYTCSRKTTSQTSILLEAKKWLREGIF--	35
BRC6	-----VGPPAFRIASGKIVCVSHETIKVKDIFTDS-----	31
BRC7	-----TCG-IFSTASGKSVQVSDaslQNARQVFSEIED--	32
BRC8	-----AFSG--FSTASGKQVSILESSLHKVKGVLEEFDLI-	33
BRC4T08A	----KEPTLLG--FHAASGKKVKIAKESLDKVKNLFDEKEQ--	35
	* : . : : : .	

Figure S8. Sequence alignment of the eight human BRC repeats and a BRC4T08A mutation used in our FP assays, generated with ClustalW. The symbols on the bottom row denote the degree of conservation observed in each column: '' denotes that the residues in that column are identical in all sequences in the alignment, ':' denotes that conserved substitutions have been observed and '.' denotes that semi-conserved substitutions are observed.*