

Supplementary Figure Legends

Supplementary figure S1: Expression of BRCA2 missense constructs. Full-length BRCA2 wild-type and mutant or variant proteins are equally expressed, as verified by IP-WB, 72 h after transient transfection of the constructs into HEK293T cells.

Supplementary figure S2: Location of the non-pathogenic and intermediate variants in the mouse BRCA2-DSS1-ssDNA complex (pdb ID: 1MJE). The top panel shows the non-pathogenic variants while the bottom panel depicts the intermediate variants. The figure was generated using Pymol Molecular Graphics version 1.3.