Gene (RefSeq)	Variant	Predicted protein change	dbSNP	Patient
ATM (NM_000051.3)	c.334G>A	NP_000042.3:p.Ala112Thr	rs146382972	BRB171
				BRB68
ATM	c.2096A>G	NP_000042.3:p.Glu699Gly	rs147934285	BRB142
				BRB190
				BRB91
ATM	c.7313C>T	NP_000042.3:p.Thr2438Ile	rs147604227	BRB171
BRCA1 (NM_007294.3)	c.4682C>T	NP_009225.1:p.Thr1561Ile	rs56158747	BRB143
				BRB146
				BRB28
				BRB42
BRCA2 (NM_000059.3)	c.3858_3860del	NP_000050.2:p.Lys1286del	rs80359406	BRB59
				BRB9
BRCA2	c.9875C>T	NP_000050.2:p.Pro3292Leu	rs56121817	BRB160
				BRB99
CHEK2 (NM_001005735.1)	c.254C>T	NP_001005735.1:p.Pro85Leu	rs17883862	BRB172
				BRB224
				BRB52
				BRB62
				BRB88
				BRC134
MSH6 (NM_000179.2)	c.3911G>A	NP_000170.1:p.Arg1304Lys	rs34625968	BRB87
NF1 (NM_001042492.2)	c.3169G>A	NP_001035957.1:p.Ala1057Thr	rs1367746167	BRB108
NF1	c.7539G>C	NP_001035957.1:p.Gln2513His	rs2070170345	BRB108
PMS2 (NM_000535.6)	c.1268C>T	NP_000526.2:p.Ala423Val	rs756883400	BRB19
PMS2	c.612T>A	NP_000526.2:p.Asn204Lys	-	BRC210
PMS2	c.497T>C	NP_000526.2:p.Leu166Pro	rs116349687	BRB114
				BRB142
				BRB225
				BRB264
				BRB265
RAD51D (NM_002878.3)	c.146C>T	NP_002869.3:p.Ala49Val	rs140317560	BRB264

Supplementary Table S3. Benign/Likely benign variants detected.