

## Common BRCA1 & BRCA2 Variants Not Reported by TGLclinical

Gene	cDNA nomenclature (HGVS)*	Protein nomenclature (HGVS)*	dbSNP ID	dbSNP MAF	EVS MAF (EA)**	EVS MAF (AA)**
BRCA1	c.1067A>G	p.Gln356Arg	rs1799950	0.04	0.06	0.01
BRCA1	c.2077G>A	p.Asp693Asn	rs4986850	0.05	0.07	0.02
BRCA1	c.2082C>T	p.=	rs1799949	0.30	0.32	0.24
BRCA1	c.2311T>C	p.=	rs16940	0.28	0.32	0.19
BRCA1	c.2612C>T	p.Pro871Leu	rs799917	0.50	0.34	0.20
BRCA1	c.3113A>G	p.Glu1038Gly	rs16941	0.28	0.33	0.19
BRCA1	c.3119G>A	p.Ser1040Asn	rs4986852	0.02	0.02	0.006
BRCA1	c.3548A>G	p.Lys1183Arg	rs16942	0.31	0.32	0.24
BRCA1	c.4308T>C	p.=	rs1060915	0.29	0.33	0.19
BRCA1	c.4837A>G	p.Ser1613Gly	rs1799966	0.31	0.33	0.24
BRCA2	c.865A>C	p.Asn289His	rs766173	0.05	0.04	0.02
BRCA2	c.1114A>C	p.Asn372His	rs144848	0.16	0.29	0.13
BRCA2	c.1365A>G	p.=	rs1801439	0.05	0.04	0.02
BRCA2	c.2229T>C	p.=	rs1801499	0.04	0.04	0.02
BRCA2	c.2971A>G	p.Asn991Asp	rs1799944	0.05	0.04	0.04
BRCA2	c.3396A>G	p.=	rs1801406	0.28	0.31	0.23
BRCA2	c.3807T>C	p.=	rs543304	0.19	0.19	0.20
BRCA2	c.4563A>G	p.=	rs206075	0.03	0.001	0.07
BRCA2	c.5744C>T	p.Thr1915Met	rs4987117	0.02	0.03	0.006
BRCA2	c.6513G>C	p.=	rs206076	0.25	0.001	0.07
BRCA2	c.7242A>G	p.=	rs1799955	0.23	0.21	0.21
BRCA2	c.7397T>C	p.Val2466Ala	rs169547	0.03	0.001	0.06
BRCA2	c.10234A>G	p.Ile3412Val	rs1801426	0.04	0.002	0.11

**Notes:**

Includes all variants above 2% of population as defined by dbSNP ([www.ncbi.nlm.nih.gov/SNP/](http://www.ncbi.nlm.nih.gov/SNP/)) or EVS (<http://evs.gs.washington.edu/EVS/>) databases.

\*Nomenclature according to human genome variation society (HGVS) guidelines

\*\* EA = European American; AA = African American