

KNOWN GERMLINE BRCA* MUTATIONS

*BR^east CAⁿcer Tumor Suppressor Genes

*Everybody has **BRCA1** and **BRCA2** tumor suppressor genes. BRCA genes produce proteins that help repair damaged DNA and prevent cancer. **Inherited pathogenic mutations** in these genes are linked to an increased risk of various types of cancer, including breast (men and women), ovarian, prostate, melanoma, pancreatic, and other cancers.*

Expert-classified as
pathogenic: 4,896

Expert-classified as benign: 1,334

Expert-classified
as likely benign:
1,178

Not yet reviewed:
67,999 (90%)

Total unique BRCA mutations: 75,407

BRCA1: 36,603

BRCA2: 38,804