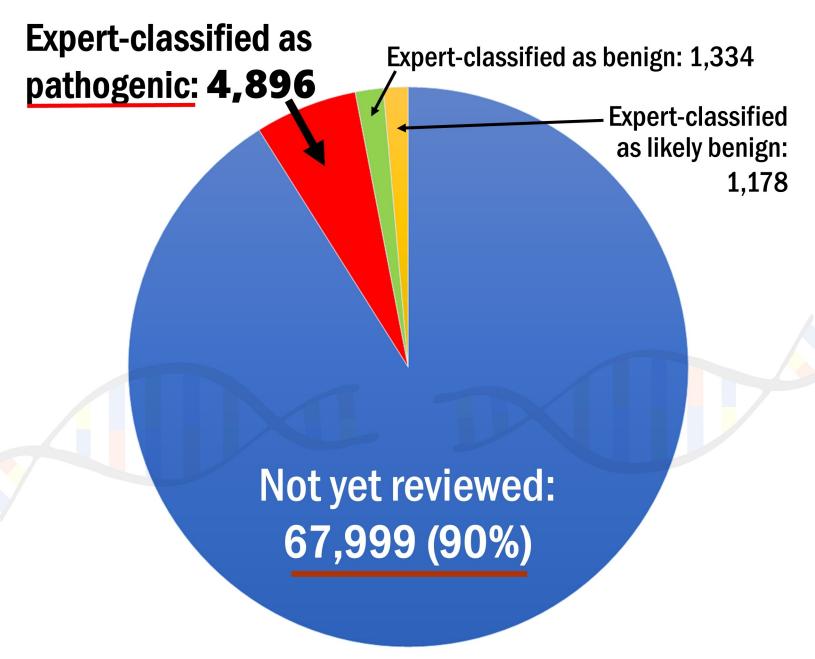
KNOWN GERMLINE BRCA* MUTATIONS

*BReast 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.



Total unique BRCA mutations: 75,407

BRCA1: 36,603 BRCA2: 38,804

Infographic by Mark A. Hicks, www.genetionary.org Source: BRCA Exchange, www.BRCAexchange.org