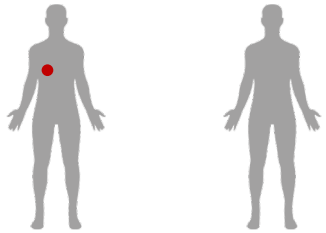
Suppl. Figure 1



BCs
n = 21,216

HCs
n = 6,434

Chinese population

BRCA1 (NM_007300) and ***BRCA2*** (NM_000059)
amplicon-based NGS

Clinical data analysis

- *n* = 17,420 BCs
- *n* = 5,890 HCs

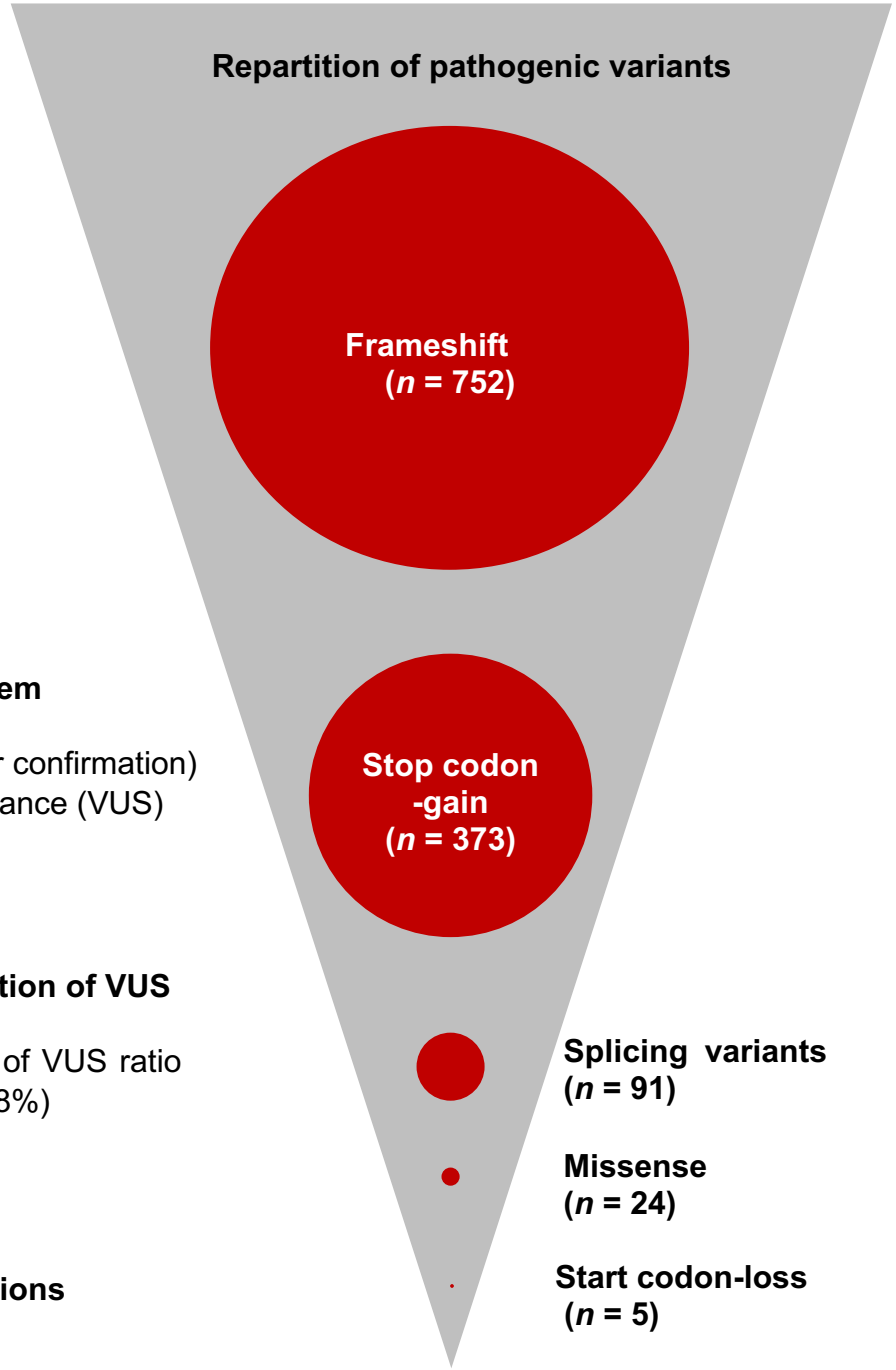
3-tier classification system

- 1,245 pathogenic variants (Sanger confirmation)
- 2,517 variants of uncertain significance (VUS)

48 moderate-frequency variants
(detected in ≥ 5 BCs)

- 39.86% of all pathogenic variants
- not reported in non-Chinese

Reclassification of VUS

- Reduction of VUS ratio (9.1% to 6.8%)

Ethnicity-specific BRCA1/2 germline variations