**Patient S1523982:**

* 46 year old female who has been diagnosed with breast cancer for the second time
* First diagnosed aged 30. The tumour was removed and she underwent chemotherapy
* Tests have confirmed that the second tumour is a new tumour and not a relapse
* Family history:
  + Mother had breast cancer aged 45, she is currently 65. Mother has a sister (62) and brother (67) who have no history of cancer
  + Grandfather on her mother’s side had colon cancer aged 62
  + Father (70) has no history of cancer and is one of three brothers (75 and 80). Eldest brother has dementia
  + Patient is the eldest of four siblings: two brothers, 38 and 34 years old, and a sister, 41 years old
  + Sister is married and has two daughters, aged 20 and 15. 20 year old daughter recently diagnosed with breast cancer
  + Eldest brother is married and has two boys aged 12 and 14
  + Youngest brother is married but currently has no children
  + Patient is married and has a daughter aged 21 and a son aged 17
  + Both sets of the patient’s grandparents are deceased. Age at death and cause unknown.
* Referred to genetics for testing of hereditary cancer genes
* Testing revealed a heterozygous mutation in the *BRCA1* gene: c.536A>G, p.Tyr179Cys
* Use transcript NM\_007294.3/NP\_009225.1 in your analysis. UniProt accession: P38398

**Form:**

https://goo.gl/forms/R4HhrlFElLnTWp2o1