

Genes	Breast	Ovarian	Colorectal	Uterine	Melanoma	Pancreatic	Gastric	Prostate	Other
BRCA1	●	●				●		●	
BRCA2	●	●			●	●		●	
MLH1, MSH2, MSH6, PMS2, EPCAM		●	●	●		●	●	●	●
APC			●			●	●		●
MUTYH Monoallelic			●						
MUTYH Biallelic			●						●
CDK4, CDKN2A (p16INK4a), (p14ARF)					●	●			
TP53	●	●	●	●	●	●	●	●	●
PTEN	●		●	●	●				●
STK11	●	●	●	●		●	●		●
CDH1	●		●				●		
BMPR1A, SMAD4			●			●	●		●
PALB2	●	●				●			
CHEK2, CHEK2 biallelic	●		●						
ATM	●					●			
NBN									
BARD1	●								
BRIP1, RAD51C, RAD51D		●							
POLD1, POLE, GREM1, AXIN2, RNF43, GALNTI2, RPS20			●						
HOXB13								●	
NTHL1 Biallelic (2 copies)	●		●						
MSH3 Biallelic (2 copies)			●						

Red flags

Personal history of:

- Breast cancer at any age
- Ovarian cancer at any age
- Metastatic prostate cancer at any age
- Pancreatic cancer at any age
- Colon, rectal or uterine/endometrial cancer at age 64 or younger

Family history of:

- Breast cancer at age 49 or younger
- Two breast cancers in one relative at any age
- Three or more breast cancers in relatives on the same side of the family at any age
- Ovarian cancer at any age
- Male breast cancer at any age
- Ashkenazi Jewish ancestry with breast cancer at any age
- Metastatic prostate cancer at any age (1st degree relative)
- Pancreatic cancer at any age (1st degree relative)
- Three or more colon, rectal and/or uterine cancers on the same side of the family at any age
- A gene mutation found in a family member