

29 Genes Across 8 Important Cancer Types

GENES	BREAST	OVARIAN	COLORECTAL	UTERINE	MELANOMA	PANCREATIC	GASTRIC	PROSTATE	OTHER
<i>BRCA1</i>	●	●				●		●	
<i>BRCA2</i>	●	●			●	●		●	
<i>MLH1</i>		●	●	●		●	●	●	●
<i>MSH2</i>		●	●	●		●	●	●	●
<i>MSH6</i>		●	●	●		●	●	●	●
<i>PMS2</i>		●	●	●		●	●	●	●
<i>EPCAM</i>		●	●	●		●	●	●	●
<i>APC</i>			●			●	●		●
<i>MUTYH</i> Biallelic			●						●
<i>MUTYH</i> Monoallelic			●						
<i>CDKN2A (p16INK4a)</i>					●	●			
<i>CDKN2A (p14ARF)</i>					●	●			
<i>CDK4</i>					●	●			
<i>TP53</i>	●	●	●	●	●	●	●	●	●
<i>PTEN</i>	●		●	●	●				●
<i>STK11</i>	●	●	●	●		●	●		●
<i>CDHI</i>	●		●				●		
<i>BMPRIA</i>			●			●	●		●
<i>SMAD4</i>			●			●	●		●
<i>PALB2</i>	●					●			
<i>CHEK2</i>	●		●						
<i>ATM</i>	●					●			
<i>NBN</i>	●							●	
<i>BARD1</i>	●								
<i>BRIP1</i>		●							
<i>RAD51C</i>		●							
<i>RAD51D</i>		●							
<i>POLD1</i>			●						
<i>POLE</i>			●						
<i>GREM1</i>			●						
<i>HOXB13</i>								●	

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SYNDROMES	BREAST	OVARIAN	COLORECTAL	ENDOMETRIAL	MELANOMA	PANCREATIC	GASTRIC	PROSTATE	OTHER
Hereditary Breast and Ovarian Cancer syndrome (HBOC)	●	●				●		●	
Lynch syndrome/ Hereditary Non-Polyposis Colorectal Cancer (HNPCC)		●	●	●		●	●	●	●
Familial Adenomatous Polyposis (FAP)/ Attenuated Familial Adenomatous Polyposis syndrome (AFAP)			●			●	●		●
MUTYH-associated Polyposis syndrome (MAP)			●						●
MUTYH-associated Colon Cancer Risk			●						
Melanoma-Pancreatic Cancer syndrome					●	●			
Melanoma Cancer Syndrome (MCS)					●	●			
Li-Fraumeni Syndrome (LFS)	●	●	●	●	●	●	●	●	●
PTEN Hamartoma Tumor Syndrome (PHTS)	●		●	●	●				●
Peutz-Jeghers Syndrome (PJS)	●	●	●	●		●	●		●
Hereditary Diffuse Gastric Cancer (HDGC) syndrome	●		●				●		
Juvenile Polyposis Syndrome (JPS)			●			●	●		●
Juvenile Polyposis Syndrome (JPS) and Hereditary Hemorrhagic Telangiectasia (HHT)			●			●	●		●
PALB2-associated Cancer Risk	●					●			
CHEK2-associated Cancer Risk	●		●						
ATM-associated Cancer Risk	●					●			
NBN-associated Cancer Risk	●							●	
BARD1-associated Cancer Risk	●								
BRIP1-associated Cancer Risk		●							
RAD51C-associated Cancer Risk		●							
RAD51D-associated Cancer Risk		●							
Polymerase Proofreading-associated Syndrome (PPAS)			●						
Hereditary Mixed Polyposis Syndrome (HMPS)			●						
HOXB13-associated Cancer Risk (Men only)								●	