

Summary of Genes & Associated Cancers

Hereditary Breast and Ovarian Cancer

BRCAnow™

It's Your Decision

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Key



BR= Breast

CO= Colorectal

EN= Endometrial

GA= Gastric

ME= Melanoma

PA= Pancreatic

PR= Prostate

OC= Other Cancers

OV= Ovarian



High Risk



Elevated Risk

Gene	Syndrome	Associated Cancers								
		BR	CO	EN	GA	ME	PA	PR	OC	OV
APC	Familial Adenomatous Polyposis/ (FAP/AFAP)		High Risk		Elevated Risk		Elevated Risk		High Risk	
ATM	ATM-Associated Cancer Risk	High Risk			Elevated Risk					
BARD1	BARD1-Associated Cancer Risk	Elevated Risk								
BMPR1A	Juvenile Polyposis Syndrome (JPS)			High Risk	High Risk	Elevated Risk			Elevated Risk	
BRIP1	BRPIP1-Associated Cancer Risk	Elevated Risk								High Risk
BRCA1	Hereditary Breast and Ovarian Cancer	High Risk	High Risk				Elevated Risk	Elevated Risk		High Risk
BRCA2	Hereditary Breast and Ovarian Cancer	High Risk	High Risk			Elevated Risk	High Risk	Elevated Risk		High Risk
CDKN2A	Melanoma Cancer Syndrome and also (M-PCS)					High Risk	Elevated Risk			
CDH1	Hereditary Diffuse Gastric Cancer (HDGC)	High Risk	Elevated Risk		High Risk					
CHEK2	CHEK2-Associated Cancer Risk	High Risk	Elevated Risk					Elevated Risk		
EPCAM	Lynch Syndrome (HNPCC)		High Risk	High Risk	High Risk		Elevated Risk		High Risk	High Risk
MEN1	Multiple Endocrine Neoplasma Type 1	Elevated Risk		Elevated Risk					High Risk	High Risk
MLH1	Lynch Syndrome (HNPCC)		High Risk	High Risk	High Risk		Elevated Risk		High Risk	High Risk
MSH2	Lynch Syndrome (HNPCC)		High Risk	High Risk	High Risk		Elevated Risk		High Risk	High Risk
MSH6	Lynch Syndrome (HNPCC)		High Risk	High Risk	Elevated Risk		Elevated Risk		Elevated Risk	Elevated Risk
MRE11A	Hereditary Breast Cancer	Elevated Risk								Elevated Risk
MUTYH	MUTYH-Associated Polyposis (MAP)Cancer		High Risk						High Risk	
NBN	NBN-Associated Cancer Risk	Elevated Risk						Elevated Risk		
NF1	Hereditary Breast Cancer and also (GIST)	High Risk			High Risk				High Risk	
NF2	Neurofibromatosis Type II								High Risk	
PALB2	PALB2-Associated Cancer Risk	High Risk					Elevated Risk			
PMS2	Lynch Syndrome (HNPCC)		High Risk	High Risk	Elevated Risk		Elevated Risk		Elevated Risk	Elevated Risk
PTEN	PTEN Hamartoma Tumor Syndrome (PHTS)	High Risk	Elevated Risk	High Risk					High Risk	
RAD50	Hereditary Breast and Ovarian Cancer	Elevated Risk								Elevated Risk
RAD51C	RAD51C- Associated Cancer Risk	Elevated Risk	Elevated Risk							
RAD51D	RAD51D- Associated Cancer Risk		Elevated Risk							
SMAD4	Juvenile Polyposis Syndrome (JPS) & (HHT)		High Risk		High Risk		Elevated Risk		High Risk	
STK11	Peutz-Jeghers Syndrome (PJS)	High Risk	High Risk	High Risk	High Risk		High Risk		High Risk	High Risk
TP53	Li-Fraumeni Syndrome (LFS)	High Risk	Elevated Risk	Elevated Risk	Elevated Risk	Elevated Risk	Elevated Risk	Elevated Risk	High Risk	Elevated Risk
VHL	Von Hippel-Lindau (VHL) Syndrome								High Risk	



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