

GENE	CANCER-ASSOCIATED ORGAN/SYSTEMS
APC	Colon
ATM	Breast/Pancreatic/Brain
BARD1	Breast/Ovarian
BMPRI A	Colon
BRCA1	Breast/Ovarian/Prostate
BRCA2	Breast/Ovarian/Prostate
BRIP1	Breast/Ovarian
CDK4	Melanoma
P16 (CDKN2A)	Melanoma/Breast/Pancreatic/Squamous
ELAC2	Prostate
FANCC	Blood
HRAS1	Bladder/Thyroid/Renal
MEN1	Thyroid/Parathyroid
MET	Renal/Hepatic
MRE11A	Ovarian/Breast
MUTYH	Colon
NBN	Breast/Ovarian/Prostate/Melanoma
NFI	Blood
NTRK1	Thyroid/Parathyroid
PALB2	Breast/Ovarian/Pancreatic
PALLD	Pancreatic
PTCH1	Melanoma/Brain/Breast/Colon
RAD50	Breast/Ovarian
RAD51	Breast/Ovarian
RAD51C	Ovarian/Breast
RAD51D	Ovarian/Breast
RET	Lung/Thyroid/Parathyroid
SMAD4	Colon/Pancreas
LYNCH SYNDROME GENES	
MLH1	Colorectal/Ovarian
MSH2	Colorectal/Ovarian
MSH6	Colorectal/Ovarian
PMS2	Colorectal/Ovarian
EPCAM	Colorectal
PEUTZ-JEGHERS SYNDROME GENE	
STK11	Breast/Ovarian/Melanoma/Colorectal/Lung
LI-FRAUMENI SYNDROME GENE	
CHEK2	Breast/Ovarian/Prostate
TP53	Breast/Bladder/Ovarian/Squamous
COWDEN SYNDROME GENE	
PTEN	Endometrium/Breast/Prostate/Lung
HEREDITARY DIFFUSE GASTRIC CANCER SYNDROME GENE	
CDH1	Breast/Gastric/Ovarian/Prostate
VHL	Renal