

Gene	Associated Cancer Type(s)	Syndrome (if applicable)
<i>ATM</i>	Breast, pancreatic	
<i>BARD1</i>	Breast, possibly ovarian	
<i>BLM</i>	Possibly breast, colorectal	
<i>BRCA1, BRCA2</i>	Breast, ovarian, prostate, pancreatic, melanoma	Hereditary Breast & Ovarian Cancer syndrome (HBOC)
<i>BRIP1</i>	Breast, ovarian	
<i>CDH1</i>	Gastric (diffuse type), breast (lobular type), colorectal	Hereditary Diffuse Gastric Cancer syndrome (HDGC)
<i>CHEK2</i>	Breast, colorectal, prostate	
<i>MLH1, MSH2, MSH6, PMS2, EPCAM</i>	Colorectal, endometrial, ovarian, gastric, small intestine, pancreatic, upper urinary tract, hepatobiliary, brain, skin (sebaceous)	Hereditary Non-Polyposis Colorectal Cancer syndrome (HNPCC)
<i>FAM175A</i>	Possibly breast	
<i>MEN1</i>	Possibly breast, pituitary, parathyroid, pancreatic islet cell, adrenocortical, carcinoids	Multiple Endocrine Neoplasia Type 1 (MEN1)
<i>MRE11A</i>	Breast, possibly ovarian	
<i>MUTYH</i>	Possibly breast, colorectal, gastrointestinal polyps	
<i>NBN</i>	Breast, possibly ovarian, prostate	
<i>PALB2</i>	Breast, possibly ovarian, pancreatic	
<i>PTEN</i>	Breast, endometrial, thyroid, colorectal, kidney, skin	Cowden syndrome
<i>RAD50</i>	Breast, possibly ovarian	
<i>RAD51C</i>	Breast, ovarian	
<i>RAD51D</i>	Ovarian	
<i>STK11</i>	Breast, colorectal, small intestine, pancreatic, ovarian, GI polyps, and others	Peutz-Jeghers syndrome
<i>TP53</i>	Breast, sarcoma, brain, adrenocortical, leukemia, and others	Li-Fraumeni syndrome
<i>XRCC2</i>	Possibly breast	