

Gene	Condition	Inheritance
BRCA1	Hereditary breast and ovarian cancer	AD
BRCA2		
PALB2		
TP53	Li-Fraumeni Syndrome	AD
STK11	Peutz-Jeghers syndrome	AD
MLH1	Lynch syndrome/ Hereditary Non-Polyposis Colon Cancer	AD
MSH2		
MSH6		
PMS2		
APC	Familial adenomatous polyposis	AD
MUTYH	MYH-associated polyposis; adenomas, multiple colorectal, FAP type 2; colorectal adenomatous polyposis, autosomal recessive, with pilomatricomas	AR
SMAD4	Juvenile polyposis	AD
BMPR1A		
VHL	Von Hippel–Lindau syndrome	AD
MEN1	Multiple endocrine neoplasia type 1	AD
RET	Multiple endocrine neoplasia type 2	AD
	Familial medullary thyroid cancer	AD
PTEN	PTEN hamartoma tumor syndrome	AD
RB1	Retinoblastoma	AD
SDHD	Hereditary Paragangliomas-Pheochromocytoma Syndrome	AD
SDHAF2		
SDHC		
SDHB		
MAX		
TMEM127		
TSC1	Tuberous sclerosis complex	AD
TSC2		
WT1	WT1-related Wilms tumor	AD
NF2	Neurofibromatosis type 2	AD

Reference :

GeneReviews、ClinGen、National Institutes of Health - Genetics Home Reference、Human Fertilisation & Embryology Authority

Note :

AD : Autosomal Dominant ; AR: Autosomal recessive inheritance ; XL: X-linked inheritance