



* Ambry Clinician Management Resources (CMRs) are included with test reports and are available on our website.

[illegible]

GENE(S)	ASSOCIATED CANCERS**													
	Breast	Ovarian	Uterine	Colorectal & Polyposis	Pancreatic	Prostate	Gastric	Renal/Urothelial	Endocrine	Central Nervous System	Melanoma	Heme Malignancy	Other	Recessive Disease Associated
NF1*	●								●	●			●	
NF2										●				
NTHL1*				●†										Polyposis
PALB2*	●	●			●									Fanconi anemia
PDGFRA													●	
PHOX2B										●				
PMS2*		●	●	●	●	●	●	●		●			●	CMMRD††
POLD1*				●										
POLE*				●										POLE-deficiency syndrome
POT1											●	●	●	
PRKAR1A									●	●			●	
PTCH1										●			●	
PTEN*	●		●	●				●	●	●	●			
RAD51C*	●	●												Fanconi anemia
RAD51D*	●	●												
RB1										●	●		●	
RET*									●					
RPS20*				●										
RUNX1*												●		
SDHA*								●	●				●	Mitochondrial deficiency syndrome
SDHAF2*									●					
SDHB*								●	●				●	Mitochondrial deficiency syndrome
SDHC*								●	●				●	
SDHD*								●	●				●	Mitochondrial deficiency syndrome
SMAD4*				●			●							
SMARCA4		●								●			●	
SMARCB1										●			●	
SMARCE1										●				
STK11*	●	●	●	●	●		●						●	
SUFU										●			●	
TMEM127*									●					
TP53*	●			●						●		●		
TSC1*								●		●			●	
TSC2*								●		●			●	
VHL*								●	●	●				Polycythemia
WT1								●					●	

Optional CancerNext-Expanded Add-ons:

Limited evidence genes (8): *ATRIP, EGLN1, KIF1B, MLH3, PALLD, RAD51B, RNF43, TERT*

There is limited evidence to support a causal role for these genes in association with cancer predisposition.

Pancreatitis genes (5): *CFTR, CPA1, CTSC, PRSS1, SPINK1*

** This figure depicts primary cancer associations and may not specify all gene-disease associations. Gene-disease associations and risk estimates vary from study to study, and data are rapidly evolving.

† Biallelic/Autosomal recessive colorectal cancer risk only

†† CMMRD = constitutional mismatch repair deficiency