



Hereditary Panel				Male Package	Female Package
Cancer Type	Gene #	Gene List			
Ovarian	26	BRCA1, BRCA2, CHEK2, PALB2, BRIP1, TP53, PTEN, STK11, CDH1, ATM, BARD1, MLH1, MRE11A, MSH2, MSH6, MUTYH, NBN, PMS1, PMS2, RAD50, RAD51C, RAD51D, NF1, EPCAM, SMARCA4, CDK12			
Endometrial	11	EPCAM, MLH1, MSH2, MSH6, PMS2, STK11, TP53, PTEN, MUTYH, BRCA1, MLH3			
Prostate	23	BRCA1, BRCA2, CHEK2, HOXB13, MSH2, MSH6, PMS2, MLH1, ATM, BRIP1, PALB2, MRE11A, NBN, RAD51C, RAD51D, ATR, FAM175A, GEN1, MUTYH, TP53, EPCAM, FANCA, CDK12			
Breast	26	BRCA1, BRCA2, CHEK2, PALB2, BRIP1, TP53, PTEN, STK11, CDH1, ATM, BARD1, MLH1, MRE11A, MSH2, MSH6, MUTYH, NBN, PMS1, PMS2, RAD50, RAD51C, RAD51D, NF1, EPCAM, SMARCA4, CDK12			
Colorectal	23	APC, AXIN2, EPCAM, MLH1, MLH3, MSH2, MSH6, MUTYH, PMS1, PMS2, STK11, PTEN, SMAD4, BMPR1A, ATM, BLM, CHEK2, GALNT12, MSH3, NTHL1, POLD1, POLE, TP53			
Gastric	14	CDH1, MLH1, MSH2, MSH6, PMS2, EPCAM, APC, BMPR1A, SMAD4, STK11, TP53, MUTYH, BRCA1, BRCA2			
Kidney	11	VHL, MET, FH, FLCN, MSH2, TSC1, TSC2, SDHB, SDHC, SDHD, BAP1			
Multiple Endocrine Adenoma	3	MEN1, RET, CDKN1B			
Thyroid	2	RET, NTRK1			
Parathyroid carcinoma	2	CDC73, MEN1			
Multiple neurofibromatosis	2	NF1, NF2	<b>79</b>	<b>74</b>	
Pheochromocytoma	9	SDHAF2, SDHB, SDHC, SDHD, MAX, NF1, RET, TMEM127, VHL	<b>Genes related to</b>	<b>Genes related to</b>	
Bladder	2	RB1, XPC			
Urothelial	9	MSH2, MSH6, MLH1, PMS2, ATM, EPCAM, APC, MUTYH, CDH1			
Familial paraganglioma	5	SDHAF2, SDHB, SDHC, SDHD, VHL			
Retinoblastoma	1	RB1			
Melanoma	2	CDK4, CDKN2A			
Multiple osteochondroma	2	EXT1, EXT2			
Pancreatic	12	BRCA2, PALB2, BRCA1, MLH1, MSH2, MSH6, PMS2, PRSS1, SPINK1, ATM, CDKN2A, FANCG			
Gastro-intestinal stromal tumors	7	KIT, PDGFRA, SDHA, SDHB, SDHC, SDHD, NF1			
Familial neuroblastoma	2	ALK, PHOX2B			
Tuberous sclerosis	2	TSC1, TSC2			
Basal Cell Nevus Syndrome	3	PTCH1, SUFU, PTCH2			
Familial nephroblastoma	1	WT1			

