



HEREDITARY NGS CANCER PANEL GENES

	Central Nervous System	Endocrine	Gastrointestinal	Renal Hereditary	Melanoma	Breast and Ovarian
ALK	●					
APC	●		●			
ATM						●
BAP1	●			●	●	
BARD1						●
BMPR1A			●			
BRCA1						●
BRCA2						●
BRIP1						●
CDH1			●			●
CDKN1B		●				
CDK4					●	
CDKN2A					●	
CHECK2						●
EPCAM [^]			●			●
FH				●		
FLCN				●		
MAX		●				
MEN1		●				●
MET				●		
MLH1	●		●	●		●
MSH2	●		●	●		●
MSH6	●		●	●		●
MUTYH			●			●
NBN						●
NF2	●					
PALB2						●
PHOX2B	●					
PMS2			●			
PTEN	●	●	●	●	●	●
RAD51C						●
RAD51D						●
RB1	●				●	
RET		●				
SDHAF2		●				
SDHB		●	●	●		
SDHC		●	●	●		
SDHD		●	●	●		
SMAD4			●			
SMARCB1	●					
STK11	●	●	●			●
SUFU	●					
TMEM127		●				
TP53	●	●	●	●	●	●
TSC1				●		
TSC2				●		
VHL	●	●		●		



SOMATIC CANCER NGS PANEL GENES

	Solid Tumor	Myeloid Malignancies
ABL1	●	
AKT1	●	
ALK	●	
APC	●	
ASXL1		●
ATM	●	
BCOR		●
BCORL1		●
BRAF	●	
BRINP3		●
CALR		●
CBL		●
CDH1	●	
CDKN2A	●	
CEBPA		●
CSF1R	●	
CSF3R		●
CTNNB1	●	
DNMT1		●
DNMT3A		●
EED		●
EGFR	●	
ERBB2	●	
ERBB4	●	
ETV6		●
EZH2	●	●
FBXW7	●	
FGFR1	●	
FGFR2	●	
FGFR3	●	
FLT3		●
GATA1		●
GATA2		●
GNA11	●	
GNAQ	●	
GNAS	●	
HNF1A	●	
HNRNPK		●
HRAS	●	
IDH1	●	●
IDH2	●	●
JAK2		●
JAK3	●	●
KDM6A		●

	Solid Tumor	Myeloid Malignancies
KDR	●	
KIT	●	●
KMT2A		●
KRAS	●	●
LUC7L2		●
MET	●	
MLH1	●	
MPL	●	●
NOTCH1	●	
NPM1	●	●
NRAS	●	●
NSD1		●
PDGFRA	●	
PIK3CA	●	
PHF6		●
PRPF40B		●
PTEN	●	
PTPN11	●	●
RAD21		●
RB1	●	
RET	●	
RUNX1		●
SETBP1		●
SF1		●
SF3A1		●
SF3B1		●
SMAD4	●	
SMARCB1	●	
SMC1A		●
SMC3		●
SMO	●	
SRC	●	
SRSF2		●
STAG2		●
STK11	●	
SUZ12		●
TET1		●
TET2		●
TP53	●	●
U2AF1		●
U2AF2		●
VHL	●	
WT1		●
ZRSR2		●