

Ion AmpliSeq Comprehensive Cancer Panel

https://tools.thermofisher.com/content/sfs/brochures/CO25560_Ion_AmpliSeq_Comprehensive_Cancer_Panel_Gene_List_final9062012.pdf

tumor-normal pairs (ovarian cancer: 1 case, pediatric cancer: 2 cases, bone cancer: 5 cases, renal cancer: 4 cases, brain cancer: 4 cases, bladder cancer: 1 case)

only tumors (gastric cancer: 5 cases, gingival cancer: 1 case, liver cancer: 1 case, oral cancer: 1 case, duodenal ampullary cancer: 1 case, esophageal cancer: 8 cases, tongue cancer: 3 cases, colon cancer: 16 cases, oropharyngeal cancer: 1 case, brain cancer: 1 case, lung cancer: 8 case, ovarian cancer: 5 cases, pancreatic cancer: 3 cases)

Ion AmpliSeq Colon and Lung Cancer Research Panel v2

<https://tools.thermofisher.com/content/sfs/brochures/AmpliSeq-Colon-Lung-Cancer-Panel-Flyer.pdf>

tumor-normal pairs (lung cancer: 13 cases)

pancreatic cancer panel Panc16

APC, ARID1A, ARID2, BAP1, BRAF, BRCA1, BRCA2, CDKN2A, CTNNB1, IDH1, KRAS, NRAS, PIK3CA, RNF43, SMAD4, TP53

tumor-normal pair (pancreatic cancer: 1 case)

colon cancer panel TSA2

ARID1A, NRAS, DKK1, TCF7L2, PTEN, DKK3, HRAS, ATM, LRP5, KRAS, FZD10, CHD8, BMP4, PIK3CA, MLH1, GSK3B, TGFBR2, DKK2, FBXW7, APC, BRAF, DKK4, CHD7, FZD3, CDKN2A, FAM123B

tumor-normal pairs (colon cancer: 8 cases)

squamous cell carcinoma panel SCC

NOTCH2, PTEN, YAP1, CCND1, HRAS, KMT2D, RB1, AJUBA, CREBBP, TP53, ZNF750, NOTCH3, KEAP1, NFE2L2, CASP8, EP300, PIK3CA, TGFBR2, TP63, SOX2, FAT1, TET2, FBXW7, FAT2, NSD1, MLL3, EGFR, FGFR1, CDKN2A, NOTCH1, KDM6A

tumor-normal pairs (esophageal cancer: 8 cases)

gastric cancer and duodenal cancer panel DU1

ELF3, ARID1A, KIAA0040, NRAS, MIB2, PTEN, CDHR1, FGFR2, DNMBP, ATM, OR5M3, KRAS, E

RBB3,ACVR1B,ARID2,KMT2D,MDM2,CDK4,SLITRK5,FLT3,BRCA2,AKT1,SMAD3,FAM21
4A,AXIN1,CDH1,ADAMTS18,TP53,SOX9,ERBB2,RNF43,NF1,CDC27,SMAD4,LOXHD1,G
ATA6,SMARCA4,ZSCAN1,STK11,ACVR2A,BOK,ERBB4,LRP1B,MSH6,PSME4,GNAS,ASXL
1,PDYN,RTDR1,SMARCB1,CTNNB1,EPHA3,EPHA6,TGFBR2,CNTN4,PIK3CA,PBRM1,RAF
1,FBXW7,FAM193A,FRAS1,APC,PIK3R1,ARID1B,BRAF,PMS2,RECQL4,MYC,CDKN2A,TG
FBR1,SMARCA2,CDKN2B,KDM6A,TCEAL4,TRO

tumor-normal pairs (gastric cancer: 6 cases, duodenal ampullary cancer: 1 case)