














Comprehensive Cancer Panel

Pan-cancer: BRAF, NTRK1, NTRK2, NTRK3, RET, MSI, TMB										
Genes with biomarkers of clinical significance*										
								Genes with biomarkers of clinical significance*		
	Breast	BRCA1	BRCA2	ERBB2	ESR1	PALB2	PIK3CA	180		
	Colorectal	ERBB2	KRAS	NRAS				166		
	Bone	EGFR ERG	ETV1 ETV4	EWSR1 FEV	FLI1 FUS	H3F3A HEY1	IDH1 MDM2	NCOA2 SMA-CB1	140	
	Lung	ALK	EGFR	ERBB2	KRAS	MET	NUTM1	ROS1	223	
	Melanoma	KIT	NRAS	ROS1				172		
	Ovarian	BRCA1	BRCA2	FOXL2				149		
	CNS†	APC ATRX CDKN2A	CDKN2B EGFR H3F3A	HIST1 H3B HIST1	H3C IDH1 IDH2	MYCN PTCH1 RELA	TERT TP53		140	
	Prostate	AR ATM BARD1	BRCA1 BRCA2 BRIP1	CDK12 CHEK1 CHEK2	FANCL FGFR2 FGFR3	PALB2 PTEN RAD51B	RAD51C RAD51D RAD54L		151	
	Thyroid	HRAS	KRAS	NRAS	TERT			165		
	Uterine & cervical	BRCA2 EPC1 ERBB2	ESR1 FOXO1 GREB1	JAZF1 NCOA2 NCOA3	NUTM2A NUTM2B PAX3	PAX7 PHF1 POLE	SMACA4 SUZ12 TP53	YWHAE	138	
	Other solid tumors	ALK APC CARS CCNB3 CREB3L2 CSF1 ETV1 ETV4 FUS GLI1 MYOD1 NAB2 PALB2 PATZ1	SDHB SDHC TCF12 TERT WT1 WWTR1 ARID1A ASPSR1 ATF1 CDK4 CDKN2A CIC CTNNB1 DDIT3	DDX3X ETV6 EWSR1 FEV HEY1 HGF HMGA2 NCOA2 NF1 NFATC2 PAX3 PAX7 PDGFB SDHD	SMARCB1 SS18 TFE3 TFEB TFG YAP1 YWHAE ZC3H7B ATIC BAP1 BCOR CITED2 CLTC COL1A1	DNAJB1 DUX4 EED FGFR2 FGFR3 FLI1 IDH1 KRAS LEUTX NFIB NR4A3 NRAS PDGFRA PRKACA	PRKD1 SSX1 SSX2 SSX4 TP53 TPM3 TPM4 BRCA1 COL6A3 EGFR FOXL2 MAML3 NUTM1 RANBP2	STAT6 TRAF7 BRCA2 CREB1 ERBB2 FOXO1 MDM2 NUTM2A ROS1 SUZ12 TSPAN31 CAMTA1 CREB3L1 ERG	FOXO4 MYB NUTM2B SDHA TAF15 VGLL2	152

* Genes linked to current drug labels or guidelines.

† Based on evidence in scientific literature, presence in clinical trials, or linked to labels in other histologies.

‡ CNS, central nervous system.