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Supplemental Tables for:
Blood-Based Next-Generation Sequencing Analysis of Appendiceal Cancers
Walid Shaib et al.

Supplemental Table S1: Genes sequenced by Guardant360 and all four major classes of alterations

Point Mutations (SNVs) (73 Genes)			**Indels (23 Genes)**	**Amplifications (18 Genes)**	**Fusions (6 Genes)**
AKT1	*SMO*	*ARAF*	*ATM*	*AR*	*ALK*
ATM	*APC*	*CCND1*	*ARID1A*	*CCND1*	*FGFR2*
CCNE1	*BRCA1*	*CDKN2A*	*BRCA2*	*CCNE1*	*FGFR3*
DDR2	*CDK4*	*EZH2*	*CDKN2A*	*CDK6*	*NTRK1*
FGFR1	*ERBB2 (HER2)*	*GNA11*	*ERBB2*	*ERBB2*	*RET*
GNAS	*FGFR3*	*IDH2*	*KIT*	*FGFR2*	*ROS1*
JAK3	*HRAS*	*MAP2K2/MEK2*	*MLH1*	*KRAS*	
MAPK3/ERK1	*KRAS*	*MTOR*	*NF1*	*MYC*	
NF1	*MLH1*	*NRAS*	*PTEN*	*PIK3CA*	
RB1	*NOTCH1*	*PTPN11*	*SMAD4*	*BRAF*	
SMAD4	*PIK3CA*	*RIT1*	*TP53*	*CCND2*	
VHL	*RHEB*	*TP53*	*VHL*	*CDK4*	
ALK	*STK11*	*ARID1A*	*APC*	*EGFR*	
BRAF	*AR*	*CCND2*	*BRCA1*	*FGFR1*	
CDH1	*BRCA2*	*CTNNB1*	*CDH1*	*KIT*	
EGFR	*CDK6*	*FBXW7*	*EGFR*	*MET*	
FGFR2	*ESR1*	*GNAQ*	*GATA3*	*PDGFRA*	
HNF1A	*GATA3*	*JAK2*	*MET*	*RAF1*	
KIT	*IDH1*	*MAPK1/ERK2*	*MTOR*		
MET	*MAP2K1/MEK1*	*MYC*	*PDGFRA*		
NFE2L2	*MPL*	*NTRK1*	*RB1*		
PDGFRA	*NPM1*	*RAF1*	*STK11*		
RET	*RHOA*	*ROS1*	*TSC1*		
PTEN	*TERT*	*SC1*			
NTRK3					

Supplemental Table S2: Correlation between age and gender with respect to KRAS/BRAF/ATM/BRCA

Gene	**Count of Gene**	**Male**	**Female**	**Mean Age (Years)**
KRAS	41	21/41 (51%)	20/41 (49%)	53.5
BRAF	13	7/13 (54%)	6/13 (46%)	58.9
ATM	6	3/6 (50%)	3/6 (50%)	51.7
BRCA 1	1	0/1 (0%)	1/1 (100%)	51
BRCA 2	1	0/1 (0%)	1/1 (100%)	60