

A.

CASE ID	KRAS	STK11	TP53	KEAP1	ATM	CDKN2A	CDKN2B
B2-117	c.34G>T p.G12C	c.464+1G>A Splice site		c.1802G>C p.R601P			
B2-120	c.35G>T p.G12V		c.743G>A R248Q				
B2-197	c.35G>C p.G12A	c.173G>T p.G59V	478C>T p.A159V		c.3594A>T p.E1190V		
B2-203	c.34G>T p.G12C		c.587G>C p.R196P c.96+1G>T (Splice site)				
B2-003	c.34G>T p.G12C	388G>T p.E130*			c.2557T>C p.S853P c.7397C>T p.A2460V		
B2-010	c.34G>T p.G12C						
B2-019	c.34G>T p.G12C			c.1285_1285delG p.G429fs*29			
B2-037	c.35G>A p.G12D		c.473G>T p.R158L				
B2-047	c.37G>T p.G13C		c.524G>A p.R175H			c.203C>T p.A68V c.202_203 GC>TT p.A68L	
B2-058	c.35G>A p.G12D		c.820G>T p.V274F				
B2-062	c.34G>T p.G12C		c.461G>T p.G154V				
B2-070	c.35G>A p.G12D		c.98C>T p.S33F				
B2-072	c.35G>T p.G12V	c.877G>T p.E293*					
B2-083	c.34G>A p.G12S		c.730G>T p.G244C				
B2-089	c.35G>T p.G12V		c.1031T>G p.L344R				
B2-093	c.35G>A p.G12D		c.542G>C p.R181P				
B2-098	c.35G>A p.G12D						
B2-108	c.34G>T p.G12C		c.882G>T p.E294D c.880_881insG p.E294fs*12				c.56C>A p.A19D

CASE ID	KRAS	STK11	TP53	KEAP1	ATM	CDKN2A	CDKN2B
B2-111	c.35G>T p.G12V		c.844C>T p.R282W				c.151_153delCTGGCA GGTCATGATGATGGG CAGCGCCCGAGTGG CGGAG p.V51_E81del
B2-139	c.35G>T p.G12V		c.332T>C p.L111P				
B2-075	c.191A>T p.Y64F	c.495-1G>T Splice site			c.755G>T p.W252L		
B2-118	c.34G>T p.G12C		c.827C>G p.A278G				
B2-121	c.34G>T p.G12C		c.461G>T p.G154V				
B2-180	c.34G>T				c.829G>T p.E2094* c.439A>G p.K147E		
B2-172	c.34G>T p.G12C		c.202G>T p.E88* c.395_396insA p.M153fs*18				
B2-185	c.35G>A p.G12D		c.880G>T p.E294*				
B2-182	c.35G>T p.G12V	c.571A>T p.K191*		c.1623_162 3delC p.E542fs6	c.2921+1G>A Splice site		
B2-209	c.35G>A p.G12D	c.531_531delC p.K178fs*109			c.1092_1099d elGGAGATT p.L364fs*12		
B2-238	c.35G>A p.G12D	c.188_189GG>TT p.E57*			c.5228C>G p.T1743R		
B2-241	c.34G>A p.G12S		c.814A>G p.Y205C				
B2-018	c.35G>A p.G12D						
B2-130	c.37G>T p.G13C	c.1211C>T p.S404F			c.6239A>G p.Y2090C		
B2-295	c.35G>A p.G12D		c.318G>T p.R273L				
B2-249	c.34G>T p.G12C	c.658C>T p.Q220*	c.783_792delCT TCTCTTTTCTCT ATCCTGAAGTAG TGGTAATCTA Splice site				
B2-254	c.38G>A p.G13D						
B2-281	c.34G>T p.G12C				c.8072G>C p.R2891P		

B.

CASE ID	KRAS	STK11	TP53	KEAP1	ATM
PROSPECT2	p.G12C				
PROSPECT3	p.G12D			p.R118P	
PROSPECT4	p.G12V				
PROSPECT5	p.G12C			p.L100F	
PROSPECT6	p.G12V				
PROSPECT8	p.G12V				
PROSPECT12	p.G12C				p.K2089X
PROSPECT17	p.G12V				p.V539E p.V539L
PROSPECT19	p.G13D			p.G113C	
PROSPECT22	p.G12A	p.A316*			
PROSPECT24	p.G12V				
PROSPECT26	p.G12C				p.K147T
PROSPECT28	p.Q61H	p.G251V	p.M37*		p.R2443G
PROSPECT33	p.G12C				
PROSPECT35	p.G12V	p.G187*			
PROSPECT37	p.G13D				
PROSPECT38	p.G12D	p/L101*		p.V239E	
PROSPECT39	p.Q61H				
PROSPECT40	p.G13C				

**Supplementary Table S1. Individual *KRAS*, *STK11/LKB1*, *TP53*, *ATM* and *KEAP1* somatic mutations from the indicated clinical cohorts.**