SUPPLEMENTARY TABLE 2a: Alterations in 40 CRC cases

Sample	Total alter-ations	Sub-stitu-tions	INDELs	Copy number changes	Re-arrange-ment	APC	TP53	KRAS	BRAF	FBXW7	CDH1	MYC	ATM	BCL2L1	BRCA2	ERBB3	GNAS	PIK3CA	SMAD4	ALK	CDK8	LRP1B	MSH6	RICTOR	SMAD2	STK11
SM77E	3	3				S1346* R213*	R213*																			
SM1B	3	3				D13941s*21	R243W																		S434*	
SM41E	3	2	1			DEL	G245S	G12A																		
SMB8E	8	3	3			DEL	R273CR181C		V600E	DEL					DEL											
SM75	3	1	2			DEL DEL	C242F																			
SM16	2	1	1			E130012*4 E1353*	R306*																			
SM21	4	4				E1374* E1544*	R175H									G284R										
SM0	3	2	1			DEL G1288*	V272M																			
SM7	3	2	1			DEL	R248W																			
SM42E	2	2				K1370*		G12V																		
SM83	2	2				K534* L14881A*19	C238Y																			
SM20	4	3	1			R213* P1324K*91		G12A										E645K								
SM32	3	2	1			Q1406* P1373K*42	K132R																			
SM40	3	1	2			DEL	C176Y																			
SM4	4	3				Q1294* Q1406*		G12D		R278*																
SM6	4	3		1		L1120S	R2BOT														Amp					
SM2B	3	3				Q1429*		G12C										E545K								
SM23	4	4				Q160V* Q789*			V600E							V104M	R201H									
SM91	3	2	1			DEL	L194F																			
SM8B	3	2	1			R139918*9 R1450*	E258G			R858*												DEL,DEL INS				
SM8E	9	3	8			DEL	R196*		V600E		P1281s*39		DEL													
SM45	3	3				R213* R216*	R262W	G12V																		
SM100E	3	2	1			C1252* R232*	V122fs*26																			
SM67	9	2		1		Q1131*								Amp												
SM110E	3	2	1			R564* R584*	F212fs*3	G12V																		
SM3	4	3		1		E1322* S1465fs*3	R282W							Amp												
SM64	5	1	4			INS	DEL		V600E	INS																
SM29	3	1		1	1		C135F					Amp								Rearrangec						
SM14	2	1	1				DEL	G12V																		
SM13E	1		1				DEL																			
SM34	1		1				E204fs*43																			
SM19	4	2	2				E258A		V600E	S688fs*28									DEL							
SM36E	3	0	2		1		INS				R74* P201fs*14				S1982fs*22									Rearranged		
SM12	7	3	4				P260H		V600E		P126fs*89		R1876*										P1037fs*6			
SM11	2	2					R248W	G12V																		
SM30	3	2	1				R273C DEL												A118V							
SM73	2	2					S240R																			Q214R
SM74NE	2	2					V173M	G12C																		
SM61	1	1															201H									
SM78E	0																									
Total	125	80	39	4	2	42	34	10	6	5	4	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1

SUPPLEMENTARY TABLE 2b: Alterations in 24 NSCLC cases

Sample	Total alter-ations	Sub-stitu-tions	Total INDELs	Copy number changes	Gene fusion	KRAS	TP63	STK11	LAP1B	JAK2	CTNNB1	RET	EGFR	BRAF	CDKN2A	MDN2	PIK3CA	ATM	T6C1	CDNE1	NF1	AB1	APC	MLH1	MSH6	CCK4
SM109	1	1				D1NJC																				
SM86	4	4				G12C				V617F	135S						E645K									
SM51	3	3				G12C		E165*						G468A												
SM71E	1	1				G12C																				
SM89	2	1	1			G12F												DEL								
SM90	2	2				G12V	M2371																			
SM96	3	3				G12V			Q2940*						H83Y											
SM44	3	2	1			G12V		DEL			S37Y															
SM7DE	1	1				G12V																				
SM107	1	1				G12A																				
5M91A3	7	6	1				C229fs*10	D194Y	K4112*	V617F											Y1635*	E290	L11295			
SM93	2	2					C242F																	E13*		
SM63	1	1					G2455																			
SM48	3	2	1				K132*		E3058*						DEL											
SM114	3	1		1	1		R24BL	Hom del				FUSION														
SM53	3	1	1	1			Y163C												INS	AMP						
SM92	8	4		2						V617F				G458V		AMP	N345K								V50RA	AMP
SM87	2			2									AMP D770_M771 insSVD			AMP										
SM64E	1		1																							
SM113	1		1															DEL								
SM46	0																									
SM112	0																									
SM4DASE	0																									
SM55	0																									
Total	50	36	7	6	1	10	7	4	3	3	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1