

Supplemental Table 3. Synthetic peptides encompassing the somatic mutations found in the CRC cDNAs

CRC	peptides		
1039	KRAS ^{G12D} peptide mut-1 MTEYKLVVVGADGVG peptide mut-2 -----KLVVVGADGVGKSAL peptide mut-3 -----VGADGVGKSALTIQL peptide WT MTEYKLVVVGAGGVG		
	TP53 ^{Y107D} peptide mut-1 SVPSQKTYQGSDGFR peptide mut-2 -----QKTYQGSDGFRLGFL peptide mut-3 -----QGSDGFRLGFLHSGT peptide WT SVPSQKTYQGSYGFR		
	PIK3CA ^{Q546K} peptide mut-1 STRDPLSEITEKEKD peptide mut-2 -----PLSEITEKEKDFLWS peptide mut-3 -----ITEKEKDFLWSHRHY peptide WT STRDPLSEITEQEKD		
	1247	PIK3CA ^{R770Q} peptide mut-1 HQLGNLRLEECQIMS peptide mut-2 -----NLRLEECQIMSSAKR peptide mut-3 -----EECQIMSSAKRPLWL peptide WT HQLGNLRLEECRIMS	
		SMAD4 ^{V370A} peptide mut-1 GDRFCLGQLSNAHRT peptide mut-2 -----CLGQLSNAHRTEAIE peptide mut-3 -----LSNAHRTEAIERARL peptide WT-1 GDRFCLGQLSNVHRT	
		C10orf137 ^{S168L} peptide mut-1 DELDIQELFMRLSQT peptide mut-2 -----IQELFMRLSQTGDWT peptide mut-3 -----FMRLSQTGDWTWLKE peptide WT DELDIQELFMRSSQT	
		1869	APC E1317KfsX4 (1288-1318) peptide mut NQTTQEADSANTLQIAEIKEKIGTRSAKIL peptide WT NQTTQEADSANTLQIAEIKEKIGTRSAEDP
			KRAS ^{G12D} peptide mut-1 MTEYKLVVVGADGVG peptide mut-2 -----KLVVVGADGVGKSAL peptide mut-3 -----VGADGVGKSALTIQL peptide WT MTEYKLVVVGAGGVG
			TP53 ^{R175H} peptide mut-1 KQSQHMTEVVRHCPH peptide mut-2 -----HMTEVVRHCPHHERC peptide mut-3 -----VVRHCPHHERCSDSD peptide WT-1 KQSQHMTEVVRRCPH
	SMAD4 ^{R361C} peptide mut-1 VDG YVDPSGGDC FCL peptide mut-2 -----VDPSGGDC FCLGQLS peptide mut-3 -----GGDC FCLGQLSNVHR peptide WT VDG YVDPSGGDR FCL		