

TABLE S12

Design Protocol		Ras Interface Residues																			Identical to Native	
		13	21	25	31	32	33	34	36	37	38	39	40	41	54	61	63	64	67	70	#	%
NATIVE		G	I	Q	E	Y	D	P	I	E	D	S	Y	R	D	Q	E	Y	M	Q	19	
MULTI		D	L	R	R	H	+	+	+	+	+	+	+	+	+	+	+	+	H	+	13	68%
SINGLE	1BKD	H	+	F	W	H	E	S	V	+	+	N	+	W	+	+	+	+	H	+	9	47%
	1HE8	L	M	R	R	W	E	K	R	+	P	+	H	W	I	G	W	H	W	K	2	11%
	1K8R	P	R	W	M	S	W	V	E	+	+	+	D	+	+	T	K	+	W	K	6	32%
	1LFD	+	F	R	R	R	+	N	W	+	E	R	W	M	W	E	W	T	M	R	3	16%
	1WQ1	D	R	R	+	H	+	+	+	M	+	H	S	W	W	+	+	+	W	W	8	42%