

TABLE S14

Design Protocol		Transducin Beta Gamma Interface Residues																				Identical to Native		
		55	57	59	75	76	78	98	99	101	117	119	144	145	186	188	228	230	246	290	314	332	#	%
NATIVE		L	K	Y	Q	D	K	S	W	M	L	N	G	Y	D	M	D	N	D	D	R	W	21	
MULTI		R	+	+	+	R	H	+	+	+	+	+	P	+	+	+	+	D	+	N	+	+	15	71%
SINGLE	1A0R	R	+	+	M	E	A	+	+	P	H	R	P	H	+	+	E	D	+	N	K	+	8	38%
	1GP2	W	+	F	+	Q	+	R	+	R	+	+	T	H	+	L	+	D	+	Y	S	+	10	48%
	1OMW	R	R	K	+	K	H	+	+	+	+	Y	D	W	R	+	E	E	W	Y	+	+	8	38%