

**TABLE S19**

Design Protocol		RXR Receptor Interface Residues																							Identical to Native			
		348	352	356	373	379	390	393	394	397	398	401	413	415	416	417	419	420	421	422	423	424	426	427	430	434	#	%
<b>NATIVE</b>		R	E	K	I	D	E	R	E	Y	A	E	G	F	A	K	L	L	R	L	P	A	R	S	L	E	25	
<b>MULTI</b>		H	R	+	T	+	+	+	+	+	M	+	M	+	P	R	+	+	+	H	+	S	M	M	H	+	13	
SINGLE	1DKF	H	R	+	M	Q	+	I	H	W	W	+	P	+	P	R	+	R	W	N	S	S	M	L	R	+	5	20%
	1FM6	W	Q	+	V	+	W	H	+	+	Q	R	K	G	A	W	I	+	+	E	+	S	H	D	H	+	8	32%
	1MZN	H	W	R	+	+	+	M	+	+	M	R	+	P	G	+	+	E	+	H	+	E	M	F	E	R	10	40%