

TABLE S8

Design Protocol	Beta Lactamase Interface Residues														Identical to Native	
	99	100	102	103	104	105	106	107	110	111	129	216	237	270	#	%
NATIVE	Q	N	L	V	E	Y	S	P	E	K	M/L	V	A	M	14	
MULTI	H	W	R	E	+	+	G	H	+	+	Q	S	G	W	4	29%
SINGLE 1JTD	+	W	H	H	P	W	L	H	+	+	Q	H	G	W	3	21%
1JTG	F	W	W	E	+	+	K	H	H	Q	Q	S	N	W	2	14%