

**Table S1.** Mutations found in plasmids isolated from clones obtained from the transformation with the mutational library.

Clon 1	Clon 2	Clon 3	Clon 4	Clon 5	Clon 6
H 12Q	M1K	H 12 Q	K 108 M	H 28 P	I 185 T
S 303 T	T 96P	S 134 T	D115 E	N 69 Y	K 234 E
<b>F 320 S</b>	I 217 V	S 159 P	N 157 D	K 288 R	V 378 M
I 397 V	T 235 S	K 280 Q	<b>D 214 V</b>	T 360 S	
		L 340 R	F 320 Y		

The two mutations that were selected for further studies are marked in red