

Supplementary material:

Table: 1 List of software and servers used and their purpose of use

Residue	Mutated to	Mutation energy(kcal/mol)	Effect
MET414	VAL	0.91	destabilizing
GLN446	ASP	0.42	neutral
ILE447	MET	0.07	neutral
TYR555	ALA	-0.16	neutral
SER556	GLY	0.11	neutral