

185 190

phe lys arg lys gly gly

cPPT wild-type

T TTT AAA AGA AAA GGG GGG

cPPT-223

T TTT AAA CGC AAA GGG GGG

cPPT-225T

C TTC AAA CGC AAA GGT GGT

185 190

phe lys arg arg gly gly

cPPT-D

C TTC AAG CGC CGC GGT GGT

cPPT-AG

T TTT AAA AGA AGA GGG GGG

215

223

lys gln ile thr lys ile gln asn phe

CTS wild-type

AAA CAA ATT ACA AAA ATT CAA AAT TTT

CTS mutated

AAA CAG ATC ACG AAG ATC CAG AAC TTC