

Primer Name (amino acid

Sequence

exchange)

Primer Name (amino acid exchange)	Sequence
CouO(NdeI)_for	AATC <u>CAT</u> <u>ATG</u> AAGATTGAACCGATTACGGG
CouO(HindIII)_rev	AATCAAAGCTT <u>TCA</u> GGCAGCGGC
CouO-H15A_for	CGAAGCCTTT GCC CGGATGGG
CouO-H15A_rev	CCCATCCGG GCAA AGGCTTCG
CouO-H15N_for	CCGAAGCCTTT A ACCGGATGGG
CouO-H15N_rev	CCCATCCGGT TAA AGGCTTCGG
CouO-R24A_for	CCGGGCGTTCGA AGC GTACAACGAGTTC
CouO-R24A_rev	GAACTCGTTGTAC GCT TTCGAACGCCCGG
CouO-H117A_for	GTGGTCTCGCG GGCC CGTTCACCG
CouO-H117A_rev	CGGTGGAACGCG GCC CGGAGACCAC
CouO-H117S_for	GTGGTCTCGCG GTCC CGTTCACCG
CouO-H117S_rev	CGGTGGAACGCG GACC CGGAGACCAC
CouO-H120A_for	GGCACGCGTTC GCC CGGCTCACCC
CouO-H120A_rev	GGGTGAGCCGG GCGA ACGCGTGCC
CouO-H120N_for	GGCACGCGTTC A ACCGGCTCACC
CouO-H120N_rev	GGTGAGCCGGT TGA ACGCGTGCC
CouO-R121A_for	CACGCGTTCAC GGC GCTCACCCGGC
CouO-R121A_rev	GCCGGGTGAGC GCGT GGAACGCGTG
CouO-R121L_for	CACGCGTTCAC CTG CTCACCCGGC
CouO-R121L_rev	GCCGGGTGAGC AGGT GGAACGCGTG
CouO-Y216F_for	GATGACCAGGGCT TC GGCGTTGCCAC
CouO-Y216F_rev	GTGGCAACGCC GA AGCCCTGGTCATC
CouO(pMS)_for	AATAATTTTGTTTAACTTTAAGAAGGAGATATAC <u>CAT</u> <u>ATG</u> AAGATTGAACCGATTACGGG
CouO(pMS)_rev	TGAAAATCTTCTCTCATCCGCCAAAACAGCCAAGCTT <u>TCA</u> GGCAGCGGCC