

ManB

Site-directed mutagenesis primer

5'-tgaacgaggacatcgccttc^{*}cgatcggc-3'

ggtgaactgggcgaggagctgaacgaggacatcgcctac^{*}cgatcggc

14 G E L G E E L N E D I A Y R 27

ManBY26F

ggtgaactgggcgaggagctgaacgaggacatcgccttc^{*}cgatcgg

14 G E L G E E L N E D I A F R 27

WcaJ

Site-directed mutagenesis primer

5'-ggaaatcttcatggcaaccttgttt^{*}catcggactcg-3'

gcaaccttgtatcatcgg

2 A T L Y H R 7

WcaJY5F

gcaaccttgttt^{*}catcgg

2 A T L F H R 7