

CesA TALENs expressed as mRNA

wild type

TGAGCAAGTCCAACACAGTTTTTC**GCCTGCGGGC**ACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCGCCTGCGGGCACCAGCGTCCGACTCATGACGCTATAA normal

TGAGCAAGTCCAACACAGTTTTT-----TCGGGCACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----GGCACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----GGCACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----GGCACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----GGCACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----GGCACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----GGCACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----GGTACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----GGCGCCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCGC-----ACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCGC-----ACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG-----TAA

TGAGCAAGTCCAACACAGTTTTT---TACGGGCACCAGCGTCCGACTCATGACGCTATAA

TGAGCAAGTCCAACACAGTTTTTCG----CGGGCACCAGCGTCCGACTCATGACGCTATAA

14/15=93.3%

yellow, binding site of TALENs; red, AP2 binding site