

Query Protein: ASK1 1 MSAKKIVLKSSDGESEFEVEEVALESQTIAHMVEDDCVDNGVPLPNVTS
Consense Residues M+ K IVL SSDG+SF+++EAVA +S I M ED C DNG+PLPNVTS
Prediction MAKKIIVLTSSDGDSEFQIDEAVAFQSAMIKGMDEDKCADNGIPLPNVTS
Target DNA: AhaSkp11 501 agaaaagtaatgggttcaggggtctgaaagaggatggagaccagaa
tcaattttcgcagactataactctaccttagtaaaagcaagtctcatcg
ggggacgggcctttttgtcaggacaggagtgatgtcttacttactac

Query Protein: ASK1 50 KILAKVIEYCKRHVEAAASKAEAVEGAATSDDDLKAWDADFMK-IDQAT
Consense Residues KIL VIEYCK+HV VE ++DLK WD +FMK +Q+
Prediction KILLLVIEYCKKHV-----VE--SNEEEDLKKWDTFEMKKMEQSI
Target DNA: AhaSkp11 648 aacttgagttaacg gg aaggggcaatgagtaaaagcta
attttttaagaaat ta gaaaaataagacattaataact
gccgggtgtcggcc cg ccaaatcgggctacggggaagt

Query Protein: ASK1 98 LFELILAANYLNIKNLLDLTCQTVADMIKGTPEEIRTTFNKNDFTPE
Consense Residues +F++++AANYLNI++L+DLTCQTVAD++ GKTPEEIR F I+ND+T E
Prediction VFDVMAANYLNIQSLIDLTCQTVADLLSGKTPEEIRAYFKIENDLT!E
Target DNA: AhaSkp11 762 gtggaaggatcaacacagcatcaggggtctgaacggacgtaagagtag
ttatttccaatatagttatcgactcattcgaccaatgcatataaatc a
ctttggtgttctcactttcttattttgcacataggtcatcgcgctaa g

Query Protein: ASK1 147 EEEVRRENQWAFE
Consense Residues EE ++R ENQWAFE
Prediction EEAKIRMENQWAFE
Target DNA: AhaSkp11 907 gggaacagactgtg
aacatgtaaagcta
aatgtcggtagttg



Frame Shift mutation