

A *Spag11t*

actctgtctggaggctcccagcccacactcccagctcagctataagagagcctgcagcag 60
ctgcccaccaccggggctcttcagtgctgcagctcccctccacagccATGAAACAGAG 120
Exon 1 M K Q R (4)

ACTCCTTCCTTCCTTTGTCAACCTCCTCCTTGAGCCCTGCTCCTTCCAggtaaagcaga 180
L L P S F V N L L L A A L L L P (20)
//
tctaaatataccttcatttcagcaGGGTCGTCCAGTGCCTCGTCCATTAACCACTTAGTCA 720
G S S S A S S I N H L V T (13)
^

CCGAACCCCCAGTTCCCCCAGGACGAATTTCTGCCAAGGAGGAAATGGGTCTGGGT 780
E P P S S P Q D E F P A Q G G N G S G L (20)

Exon 2 TGTTGCATCACAGAGTGAAACGCTTCCCTCCACGCACCCCCCTTACCATGGTAAGTCAA 840
L H H R V K R F P P R T P P Y H G K S S (20)

GCATCCAAGATCAAAGTAAGTTCATCCACTTGGGAAATATGGAGCCACATGAcgggagg 900
I Q D Q S K F I H L G N M E P T * (16)

tgacagcgtggatgggatgaggtgagcgtcactgtctgtggagacacagtgtagatggtt 960

B *Spag11c*

actctgtctggaggctcccagcccacactcccagctcagctataagagagcctgcagcag 60
ctgcccaccaccggggctcttcagtgctgcagctcccctccacagccATGAAACAGAG 120
Exon 1 M K Q R (4)

ACTCCTTCCTTCCTTTGTCAACCTCCTCCTTGAGCCCTGCTCCTTCCAggtaaagcaga 180
L L P S F V N L L L A A L L L P (16)
//
tctaaatataccttcatttcagcaGGGTCGTCCAGTGCCTCGTCCATTAACCACTTAGTCA 720
G S S S A S S I N H L V T (13)
^

CCGAACCCCCAGTTCCCCCAGGACGAATTTCTGCCAAGGAGGAAATGGGTCTGGGT 780
E P P S S P Q D E F P A Q G G N G S G L (20)

Exon 2 TGTTGCATCACAGAGTGAAACGCTTCCCTCCACGCACCCCCCTTACCATggtaagtcaa 840
L H H R V K R F P P R T P P Y H (16)
//

acattcctttttacaGAGCCTGGACCAAATTACCAAATTGTCAACTGCAAGAAAAATGAG 1980
E P G P N Y Q I V N C K K N E (15)

GGATTCTGTCAAAAATACTGTAATTTTATGGAAACACAAGTGGGCTACTGTTCAAAAAAG 2040
G F C Q K Y C N F M E T Q V G Y C S.....K...K (20)

Exon 3 AAAGAAGCCTGCTGCTTACATCCCTTCTGAcggggctgatcactgaagttgaagtgacct 2100
K E A C C L H P F * (9)

gcacacctgtaaggtctcctggactccggcgatggtctaggtgtgagtgtactagagagg 2160