## $\Psi$ MUP

$$
\text { Intron } 2 \cdot \ddots
$$

Human
Chimp
Gorilla
Orangutan
Rhesus
Marmoset
Tarsier
Mouse lemur
Bushbaby
Mouse
Rat
Guinea Pig
Squirrel
Rabbit
Pika
Alpaca
Dolphin
Cow
Horse
Cat
Dog

FVKHIDYLGNSSLTFKLHEI [atat...agt FVKHTDNLGNSSLTFKLHEI FVKHIDYLGNSSLTFKLHEI FVKHIDYLRNSSLTFKLHEI FVEHIDYLGDSSLTFKLHEI FVEHIGYQGESSLTFKLHEI FMEHIDFLDNSSLSFKFHKI FVERIYVLEHSSLYFKLHTI FVEQIQALKNSSLYFKYHTL FVEHIHVLEN-SLAFKFHTV FVQHIDVLEN-SLGFTFRIK FVESIEPVEDSALSFKFWAH FVEYIHALKNSSLGFKFHII FVEYIHVWKNSSLSFKFHTP FVKQVDILKNSSLSYIYHII FLEHIHAFDNSSLSLKFHTK FVEHVHALENFSLFFKFHTK FVEYIDVLENSSLLFKFHTK FVENIQPLDNSSLYFKFQRK FVKHIKALDNSSLSFVFHTK FVKDIEVLSNSSLIFTMHTK FVESIQVLDNSSLSFKFHMK FREYMKLLDNSSLSFTFFVK FLESIHVLPNSSLFFEFLIK

Engncternlacketeknal ENGNCTEINLTCKPTEKNAI ENGNCTEINLACKPTEK--ENGNCTEINLACKPTEKNAI ENGTCTEINLACKPTEKNAI ENGKCTEINLACKPTEKNAI KNGECTEMYLVCDQTE---VNGECSEVPFVCDSTGKDGE ENGECSEISFVCDQTEKDGE IDGECSEIFLVADKTEKAGE ENGVCTEFSLVADKTAKDGE ENGECKQISLICNRVAE-GV IKRECTEIFLVSNKTEKDGV VNGKCTELFLTCDPTEDNHV ENGQCAAHELVCDPTEEEGE VNGECIEISLICVKAEEDGV VSGACTEMSLLSDKAGEDGV VNGVCTELSLVSDSTGEDGV GNEECSGFSLVADKTEEDAI ENGKCTEIFLVADKT-KDGV VNGKCTKISLICNKTEKDGE VNGECTEISFICDKTEEKGV ANGECIEGSLVCDKTEKDGE TNGECISINFTCDKTEVQDE

