

**TRAC**

macfas 1 XIQNPDPAVYQLRGSKSNDTSVCLFTDFDSVMNVSQSKSDSVHITDKTVLDMRSMDFKSNGAVAWSNKSDFACTSAFKDS  
 macmul 1 .....  
 homsap 1 .....D...S.K.....QT.....Y.....S.....AN..NN.

macfas 81 VIPADTFFPGTESVCDANLVEKSFETDMNLNFQNLVIGFRILLKLVAGFNLLMTLRLWSS  
 macmul 81 .....  
 homsap 81 I..E.....SP..S..VK.....T.....

**TRBC1**

macfas 1 EDLKKVFPPKVAVFEPSEAEISHTQKATLVCLATGFYPDHVELSWWVNGKEVHSGVSTDPQPLKEQPALEDSRYCLSSRL  
 macmul 1 .....  
 homsap 1 ...N.....E.....F.....N.....

macfas 81 RVSATFWHNPRNHFRCQVQFYGLSEDEWTEDRDKPITQKISAEVWGRADCGFTSVSYQQGVLSATILYEILLGKATLYA  
 macmul 81 .....  
 homsap 81 .....Q.....N....Q..A..V..IV...A.....

macfas 161 VLVSAFMLMAMVKKRDF  
 macmul 161 .....  
 homsap 161 .....V.....

**TRBC2**

macfas 1 EDLKKVFPPKVAVFEPSEAEISHTQKATLVCLATGFYPDHVELSWWVNGKEVHSGVSTDPQPLKEQPALEDSRYCLSSRL  
 macmul 1 .....T.....  
 homsap 1 ...N.....E.....N.....

macfas 81 RVSATFWHNPRNHFRCQVQFYGLSEDEWTEDRDKPITQKISAEAWGRADCGFTSESYQQGVLSATILYEILLGKATLYA  
 macmu 81 .....  
 homsap 81 .....Q.....N....Q..A..V..IV.....

macfas 161 VLVSAFLMAMVKKRDS--  
 macmul 161 .....--  
 homsap 161 .....RG

**TRGC2**

Macfas 1 DKHLDADVSPKPTIFLPSIAETNLHKAGTYLCLLEKFFPDVIEIHWQEKNSNKVLKSQEGNTMKTNNITYMKFSWLTVP  
 Macmul 1 .....  
 Homsap 1 ..Q.....K.Q.....I.K.....K..TI.G.....D.....E

Macfas 81 SLDKEHRCIVRHENNRNGVDQEIIFFPIKT-----DVTTVDPKDSFSKDANDALLQLTNTSAYMYLL  
 Macmul 81 .....D.....NY.E.....Q.....  
 Homsap 81 .....K..I.....DVTTVDPKYNYSKDAN..I.M....NW.....T.....

Macfas 145 LLLKSEVYFAIIAVCLLRRTAVCCNGERS  
 Macmul 145 ..V.....  
 Homsap 161 .....V.....TC...G...F.....K.

**TRDC**

Macfas 1 -RQPHTKPSVFMKNGTNVACLKDFYPKDIRINLESSKKITEFDPAIVVSPSGKYNAVKLGOYADSNSVTCSVQHNKEV  
 Macmul 1 X.....  
 Homsap 1 XS.....E.....V.....I.....K.E.....DNKT

Macfas 80 VYSTDFEVKTNSTDHLKPTETENTKQPSKSCHEPKAIVHAEKVNMMSLTVLGLRMLFAKSVAINFLLTAKLLFL\*  
 Macmul 81 .....--.....  
 Homsap 81 .H.....D....V..K.....K.....T.....T..V.....F...