

Figure 1 figure supplement 1

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|---|-------------------|
| MDFSRLHTYTPICCVFENTCYTYALSSSYSSDALDFETEHKLEPMFDSPRMSRRSLRLVTTTASYSSCDSCAI DSHI STSR | 80 |
| MDFSRLHTYSPFCVPCVNTCYTYALSSSYSSDALDFETEHKLEPMFDSPRMSRRSLRLVTTTASYSSCDSCAI DSHI STSR | 79 |
| ATPAKGRERTRIMVKRRSASKPAHSINLSGKGLSSSTSHDSSQSLRSATVDRHFMVDESUIRECIKVDHFWCDDDCDLK | 160 |
| AVSLKNRAARITTKRRSTNKSASHSINVSQRQTSSGVSLGGTVSLQDAVTRPPFVDESUIRECIKVDHFWCDDDCDLK | 159 |
| CGNKAATCCNCELAEVASSINCYTORDORMISARTDALTAFSAIHCTTSRVYSRDRTLKPRGVSFYLDRTLWLAKSTSS | 239 |
| CGNKAATCCNCDVGAAATAHNCFSSNSCMSLSEKDVLTIAHPAAPCPVSRVYSRDRNQR----- | 219 |
| SFASFI VQLFQVVLMKLNFETYKLKGYESRAYESQSYETKSHESAHLGHCGRMTAGELSRVDGESLCDDCKGKKHLEI H | 319 |
| ----- | 219 |
| TATHSQLPQPHRVAGAMGRLLIYTGDLLVCAI LRRTRAAQMSVAEAVVSMVLVAVSAFCKAASCTFWWLCSCWYCFMILLIS | 399 |
| -----CYF-----LLCI LRRIGAVCQAVSRTAVSALVAVVAVFCKAASCVFWWLCI CWYCFMILLIS | 275 |
| VLVNVLITTRCLRNIQKVFVLLPLPLLLGACVSLMCCGNHFSLLPVLNVTAHQPTICRMDDSKGMHREGPLPPSPFPKVDH | 479 |
| VLVNVLITTRCLRNIQKFLVLLPLPLLLGACVSLMCCGNHFSLLPVLNVTAHQPTICRMDDPQDVFKPTTSRLKQLQGD | 354 |
| KASQWQESDMGCKVASISACQCNFDERLAELIVLLCKLCIRVDCVDDCRECQSLVWKNVVCCHLQEMGTI EPHDAKIDF | 559 |
| EAFPWVHWSGVEQCVASISGCGHFGENLRELITLLCKLCARVDCMEGCAACPSASVRDAVGC-----PREIDF | 424 |
| MTTHFDHEVRLSNLEDMVRKLTTEKSEATCKELEETKQKAGSRDEECPLLDREVQLELEELNLLKSQLSDVQLEKUSOEQAG | 639 |
| MAHFOEHEVRLSHLEETLGKIREKSEATCKELEETKQKTI SAVGECLLPTVERLOLELDQKSELSSVREVKIGOETVD | 503 |
| A-----RI QETVQLMFSSEDCCCCSLEMLLEKLSSRFVSKDELQVLLHDLLEKLQNLTHFTVIGCAPUSEATMSAVN | 712 |
| AVQERVVDVQVREMKLLFSSEDCCCCSLEQLQRFSSQFVSKGDLCTMRDLQLQLLRNVITFVSVIKCLPISEAVVSAVS | 583 |
| CACISCTTEACAHILVNNALKLYSCDKTCMDFALESCCGSILSTROSEIYEIKUALLSLFCVPLWYFSCSPRVVICPDI | 792 |
| EACASCTTEACARAIVNSALKLYSCDKTCMDFALESCCGSILSTROSEIYEIKUALMSLFCI PLWYFSCSPRVVICPDI | 663 |
| YPCNWAFFKCSCCYLVMRLSMKIYPTTFIMEHLPKTLSPTCNISSAPKDFAVYCLETEYCEEECCPLCRFTYDCDCDSLCM | 872 |
| YPCNWAFFKCSCCYLVMRLSMMHPAAFTLEHLPKTLSPTCNISSAPKDFAVYCLENEYCEEECCPLCRFTYDCDCDSLCM | 743 |
| FHTLERFDQAFQIVELRVL SNVGFPEYITOLYRFRVHCEPIQ. | Mus SUN1.pro 914 |
| EQALKRFDQAFQIVELRI FSNVGFPEYITOLYRFRVHCEPVK | Homo SUN1.pro 785 |