









































>>plQ9Y2H5  PKHA6 HUNAN Pleckstrin hom Region: 70-103:26-59 : score=21; bits Region: 104-205:06-158 : score=136; b famin: 58 init1: 58 opt: 186 <u>C-sco</u> initn: 58 init1: 58 opt: 186 <u>C-sco</u> inith-Waterman score; 201; 24.5% ident sequence Lookup <u>General re-search Pa</u> opt: 186 <u>C-sco</u> opt: 186	plogy domain-containing f =5.4; Id=0.118; Q=0.0 : N its=34.7; Id=0.276; Q=56. its=11.2; Id=0.340; Q=0.9 re: 223.1 bits: 51.3 E(5 ity (55.1% similar) in 19 irvise alignment	amily A membe (1848 000M 7: C.PH Pfan : NODOM 65254): 7.3e-05 6 aa overlap (70-262	aa) - Domains :26-210)	Q=-10log10P To be P < 0.001, Q > 30
	Only SH3 of has high so Possibly co	domain region cores (Q>30); rrectly aligned	Other reg contribut Alignment	ions do not a to the score (Q=0). overextended.
30 40 50 60 sp  Q5F SKKAKEKKEVLIKRLKDIKHSHSLEFQAETDI sp  Q9Y MSNKTGGKRPATTNSD 10	10 80 DLEENDGFRLPPDAVSIASDRDKDE IPNHNMVSEVPPERPSvratrtark 20 30 40	90 100 ELPYDGSFYPLVAAQDLE 'LI avaFGKRSHSMKRNPNAA' 'TI 50	110 120 RAGYLEKRRKDHSFFASI KAGWLFK0ASSGVKI 70	130 140 WQKRWCVCTNSMFYYYGSDKDKQQKG WMNKRWFVLVDRCLFYYKDEKEESILG 80 90 100
1 0 160 170 180 50  05F AFSLDGYRAMMOTLRKDAKKDCCFEIFAPD 50  09F SIPLLSFRVAAV0PSDWISRHT-FKAEHAG 110 120 290 290	190 200 KRVYQFAASSPKEAEEWWIIIMNS- 1.1.1.1.1 VRTYFFSAESPEEQEAWIQAMGEAA 140 150 300 310 320	210 220 NIPTEDEELYDDVNQEVD 	230 244 ASHEEDIYEELPESH HSHEKPDSENVPPSKHHI 180 190	250 260 KPVTELETPKATPVPVNNTSGKENTD IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
sp Q5F YANFYRGLWDCTGDHPDELSFKHGDTIYILS	KEYNTYGWWVGEMKGTIGLVPKAYI ASEPGSPYPEGPRVPGGGEOPAOPA	MEMYDI	FTGG	

19





21









- Optimal alignments are searched based on alignment score
  - $\rightarrow$  Match/mismatch (S<sub>ii</sub>) and gap penalties





BIOS477/877 L14 - 23

















































































