

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

MAARLLLLLGILL--LPLPVPAPCHTAARSECKRSHKFFVPGAWLA  
-- -- --MRAGLFFY--L L L P V V Q S C T K G K P K E C E E - A T F A P G S N L A  
MAALHLHKPSCFLFLCLFFQDALRACTTGLASECRD-ANFVPGAQLA  
MPAGHSKVGCCFLFLCPLFWGTLTSACTLSSTSECRN-AGFVPGARLA

60 80

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

GEGVDVTSLLRRSGSFVVDTQRFRLRPDGTCTLCENALQEGTLL- - - -  
GEGYDVIKMQRKGAFFVINTDVWRQKDKSCTLCCKNPYMDGAL- - - -  
GLGYDVVTLQPKGAFFVIDVNTWRFANGSCTLCHNEHLGNVR- - - -  
GEGYDVVTLQSKGTFFVIDMNTWHTANGICTLCRNLGLQGWGVGAPVA

100 120

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

QRLPLALLTNWRAQGSQCORHVVTRAKVSSSTEAVAR--DAARSIRNDW  
QKLPLSVVDWRTSQ-KCTVKVSSSLYHSSEDLVSS--SSASSIENNW  
QRLPLISLVDWRTLS-SCRRSLSSQLYRSADKLAR--SATSAITND-  
AHLPGRLAHPFELP-AL- - - - -LQPALPLGCPAGGVGGIXHHQ

140 160

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

KVGLDVTPTKPTSNVHVSVAAGSHSQAANFAAQKTHQDQYSFSTDTVE  
GASLGIEAKKTTG-SIVLAGSKSKSLAEYSMEKTKKDKFNFFASQSIS  
-- --WRVDLHLNAANLVLAGSKSKSLVSVFGTSRSKSDRYSFTSHQFQ  
RLATGPLPRAQVTTNLLVLVGSKSRMVEFGTSCSKRDYSFTSHQFQ

180 200 220

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

CRFYSFHVHTPPLHPDFKRALGDLPHHFNASTQPAYLRLISNYGT  
CAYYSYRVSNKPVLHPPEFKRSVKELPKTYNLQFKPRFYKFINFTGT  
CHYYQYRVKDKPLLAPEFARSLSSSLPPNG--KKYQYRKL VATYGT  
CHYYQYRV- -

240 260

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

HFIRAVELGGGRISALTALRTCELALEGLTDNEVEDCLTVEAQVNIG  
HYITKVTTLGGNVHVSVTIRQCETALQGLSTDDEVKACLDLEANMSIL  
HYVMSVELGGGHFKDVTAIRTCETASEGYTIEEVKDCLSIEAGLTAQ  
- -

280 300

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

IHGSI SAEAKACEEKKKKKKHMTASFHQTYRERHSEVVGGHHTSIND  
GKADMKAESKHCSQNQDKTESKTSFSSSRFNDRLTEVTGGHTT-EPE  
LRAKASVRNEKLPENGXCYEAX\*QGLPGLQ\*PGNGVDGG\*GPAGG-  
- -

320 340

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

LLFGIQAGPEQYSAWVNSLPGSPGLVDYTLLEPLHVL L D S Q D P R R E A  
LLFSGGKDP SAYKEWLASLPQNPDVISHSLES L H E L I P T K Y P V R K H  
RPF-LLQDSSAFSGWMNSLTSHPGTVRYDLVPLHMLPMSDPKRK N  
- -

360 380 400

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

LRRALSQYLTDRARWRDCS--RPCPPGRQKSPRPDPCQCVCVCHGSAVT  
MRQAIHDYILENSLWRNCT--DPC TNGVKTNPNPNPCVCTCHNKPGI  
LQRYISDYIVHNALSKQCRCRVGATCPHGSYRNPHYQPCNCVCREDNQV  
- -

420 440

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

TQDCCPRQRGLAQLEVTFIQAWGLWG DWFTATDAYVKLFFGGQELR  
TPDCCPSKRGLSRVQVTVVKAQDLWGDTTTATDGYVKVFDKNNVKI  
GPELLLQAE GAGPPGGDCQGGPGPLG- - - - - - - - - - - - - -  
- -

460 480

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

- - T S T - - - - - - - - - - VWDNNNP I WSVRLDFGDVLLATGGPLRLQVWD  
GSTNM- - - - - - - - - - -IPNNNSPYWGQTFDLGDVILAENDNIKLEVWD  
GGQI\*PKGGGDQCDLEQQQSPVEH-QIGPGGQGQSQR\*AAQADHRGLG  
- -

500 520

hs  
dr  
PRF1\_hcA  
PRF1\_hcB

QDSGRDDDDLGLTCDQAPKSGS--HEVRCNLNHGHLKFRYHARCLPH  
EDSKWDDDDLGLTCQVAIKVDQSQTYNFCSLNHGLLYYNTKVTCAPG  
RGCHQKKRSPGKCEVRLTSGT--HREV CYLRYGKVTYDYTFTCGPH  
- -

	hs	- - - - -
	dr	I L L S H G V L L D R L Y V Y H K T N Y N N T V L
PRF1_hcA	V Y F P *	- - - - -
PRF1_hcB	- - - - -	- - - - -