

Sc	-----	0
Pf	MSNQFLVDITYNBGYMRKFLSLRSVKKNDKQYIMKLCENTNIEEDELKRVFINELHN	60
Lm	-----M-----	1
At	-----MVWEK-----	5
Hs	-----	0
Sc	-----	0
Pf	ISNTSSTRKKNDSSCNESTNNTGNNKENGSSNTHFEDMKDINSSISNNSEEINEFEIDS	120
Lm	-----PTVSSSTPSP-----ASTPTVGVPPGKVV-----LNADPNPND-----EYSLFCT	40
At	-----EKIVGSCIVG-----GAFAVAVGASFLHLF-----LKGELPLG-----LGLGLSC	44
Hs	-----MIRNG-----RGAAGGA	12
Sc	---MTVNLDPDKVWIDGCFDFTHGHAGAILQARRTVSKENGLFCGVHTDEDIQHNKG-	56
Pf	STSTQEKTKETRIYVDGIFDLSSHGHFNAMRQAKL---GDIVVVGINSDEDALNSKGV	176
Lm	EAIPPKVPVGTVRVWVWVDFDMLHFGHANALRRARRL---GDELFCVGHSDDEEVMRFKG-	95
At	PWRILRKRKFPVRVYMDGCFDMMHYGHGNALRQARAL---GDQLVV---VSDEEIIANKG-	97
Hs	BQPGPGGRRAVRVWCDGCVDMVHYGHSNQLRQARAM---GDYLVGVHTDEEIAKRG-	67
	::: ** :*: * ** . : :*: . . . :*** **	
Sc	TPVMNSSERYEHTSRNRWCSEVVEAAPVYVDPN---WMDKYQCQVYVHGDDITIDANGE	112
Pf	KPIYTTQERGALIAQCKWVDEVIIGTKYVVDMD---LLEKYNCDYAAHGTDLAYDKNGT	232
Lm	PPIMHAERIEALRACKWVDEHVENYPYCTRLK---DIERFEIDYVYVHGDDISVDLNGR	151
At	PPVTFLEHERMTMKAVKVVDEVISDAPYAITEDFMKCLFDEYQIDYIIHGDDPCVLPDGT	157
Hs	PPVTFQERYKMQAIIKWVDEVPVPAAPVYVTTLE---TLDKYNCDFCVHGNDITLTVDGR	123
	** : ** . : * * . : * * . : * * . : * * . : * * . : * * . : *	
Sc	DCYKLVKEMGRFKVVKRTYGVSTFEIIRILTKKSLPPTHPDYPTTQE-----	161
Pf	CCYEVRKFKNKLKIFERSYGISTTTIINHLQAVNNSN---YSSSNNNNNNNNNNNNN	288
Lm	NSYQEIIDAGKFKVVKRTKGISTDLVGRMLLCTKNHM---LKSVDVQ-----	197
At	DAYALAKKAGRYKIKRTEGVSSTDIVGRMLLCVRRERS---ISDTHSRSS-----	203
Hs	DTYEEVKQAGRYRECKRTQGVSTDLVGRMLLVTKAHH---SSQEMSS-----	168
	* . . : : :*: *:* * : : :*	
Sc	-----L-----	162
Pf	NFLVNSNNNNNDTNSVSTNEISDINNETNYVYNTNTNSEQLDNFNKNDNPNIIEITE	348
Lm	-----L-E-----N-----	200
At	-----SLQRQ-----F-----	209
Hs	-----E-----Y-----	170
Sc	-SFYS---VA-----QDAVSKHCYVFRDLNVLVWGG--YKFDA	196
Pf	BQIYNSELGISDDNKTKVSEQQHDIDTLPRKLLNRNRCHITTSQIYQFIDNNELIKKRN	408
Lm	-SLL-----EHSPTMPLTTSRRIKIVQFSNNS--PKPG	230
At	-SHGSSPKFEDGASS-----AGTRVSHFLPTSRRIKIVQFSNGK--PGPD	251
Hs	-REYADFSGKCPGGRN-----PWTGVSQFLQTSQKIIQFASGKE--PQPG	212
	: : .	
Sc	EDCVYVGDGDFDLFHMGDIDQLRKLKMDLHPDKKLIVGITTS-----YSSTIMTKER	249
Pf	KKVYVVDGSDIFHIGHLRILENAKK-LG--DYLLVGMHSDEVVQKMKGYFPVVSLLER	465
Lm	DRIVYVVDGSDFLFHIGHIRVLQKARE-LG--DYVIAGVYEDQVNEHRKKNYPIMSFNER	287
At	ARIYIDGAFDLFHAGHVEILRRARE-LG--DFLLVGIHNDQTVSAKRGAHRPIMNLHER	308
Hs	ETVIYVAGAFDLFHIGHVDFLEKVER-LAERPVI IAGLHFDQEVNHYKGRNYPIMNLHER	271
	:*: * **:* * . : * . . : * : :*: * . : : : : **	
Sc	VLSVLSCKYVDAVIIADATSMSQYCNCEKYHIGTAVLTAA-----	289
Pf	TLNVLAMKVVDDVIGAPWVITE-SFIRRFHIDVVVRGTVDYV-IYSNNEIDPYDIPKRL	523
Lm	VLGVLSCRYVDEVMGVVDFVSK-DVIDGLHINVVVGDKFSDL-VVEEGGSTRYVFPKAM	345
At	SLSVLACRYVDEVII GAPWVSR-DTITTFDISLVVHGTVAESDDFRKEEDNPYSVPISM	367
Hs	FLSVLACRYVEVVI GAPYAVTA-ELLSHFVKVLDVCHGKTEIIPD--RDGSDPYQPKRR	328
	*.*** : * . * : :	
Sc	GKF----SEYLTKELVKRVESQREVYIARNQKKGMSI-----	323
Pf	NIYQELSSSNTTYEIIQRIEKNNKY-LMRNMSKRNNKKEESIWETSNTYAINN-----	576
Lm	GIYHEVDSGCILSTDSLIDRVVENRDLFLKROAEKRI-KDTSOEIKPDEYRK-LREAS-	402
At	GIFQVLSPLDITFTSTIIRRIVANHEAYQKRNAKKEA-SEKYYEQKFSVSGD-----	419
Hs	GIFRQIDSGSNLTTDLIVQRIITNRLEYEARNQKKEA-KELAFLEAARQAAQPLGERDG	387
	. : : : . : : * : : * : * . *	
Sc	-- 323	
Pf	-- 576	
Lm	-- 402	
At	-- 419	
Hs	DF 389	