

Figure 2-Figure supplement 1 (Paul et al.)

A

ScYael	MSNTWDDV WASDSDVET--ERSPDVLK LRENHSKRGY LDGIVSSKEE KLQEGFNDGF PTGAKLKGKV GIIMGILLGL R---TRFGDE DEDLSKAYID AQKELRINKV	120
CaYael	MADLLDDV WGGGDDLDES TRELSPDLLK LKDNHSKRGY LDGIVSAKEE NLQDFDMSF PLGAEGLRLR GKIIIGRLQL E---YRYGKD DEELKKDFNN AQQELQIKNI	
KlYael	M TVEMTDEENI WGSDNEASTG PQE-SLEVKK LQQIHSKRGY LDGISSAKEE NLQAGFDDTF PLGAKYGFQI GEIVGKLRLF T---TLYGNA DPQVAADLQK AQDELRLINRV	
HsYael	MSWVQAA SLIQPGDGK DVFDEEADES LLAQREWQ-S NMQRVRKEGY RDGIDAGKAV TLQQGFNQGY KKGAEVILNY GRLRTLSAL LSWCHLN-N NSTLINKINN LLDAVGQCCE	
MmYael	MSWFRAA PENASLGQDQ- DVFDEEADES LLAQREWQ-G HMRKRVQEGY RDGIDAGKAL TLQRFNQGY KKGADEVINY GLRLRTLSAL LSWCHLHG-N SSTLINKISN LLDTVDQCEE	
ScLt01	MVRNRFIRKM KKNLFKSNHL SYLKSWKVK ITGQIKMDFD NLNLNLEEQYY QEGFLEGQNE NIQOSFLEGK QVGLQVGFQR FTLLQOMEGL CDVIESYGLH SPTLEKNIHT IRTLMKGK	
CaLt01	MNTD ELLFLEEQFY QEGYEGRNE NLKNNLIEGK EFGLQVGFQR FVLLQMVGM CDVLDLSQLK NNSLFLKNIAN VRELISSE-	
KlLt01	MDFD ELLNLEQFY QEGYEGRNE NLKHNLLLEGK QVGLQVGFQR FQLLGIYGI SDVLIQ-KFD DAALQKNAKV IKDLIEEIQ-	
HsLt01	MAGSQDIFD AIVMADERFH GEGYREGYEE GSSLGVMEGR QHCTLHGAKI GSEIGCYQGF A---FAWKCL LHSCTTEKDS RKMVKLES	
MmLt01	MAVEQDIFD AVVMADERFH GEGYQEGYEE GSSLGVIVEGK RYGMVHGAKI GSEIGCYRGF A---LAWKCL LHSGAGEKDS RKMVKVEALI	
Consensd.....r.y.#G..eg..ee nl..gf..eg.. ..G...g..q.. g...G..g.....g.....1.k.....	
ScYael	121	231
ScYael	LSKSIFDPNF DLQE-KHPLI TKWTDIANTY CEKYHVPSIQ	
CaYael	LTKRIFTEDY NLEDSDKHPVV SKWEEIVTKY CEKYNVKTE	
KlYael	LSARHFDEEL QPLDSLKVLL SKWQARVLDY EGKYS	
HsYael	YVLKHLKSIT PPSHVVDLLD SIEDMDLCHV VPAEKKIDEA KDERLCENNA EFNKNCSKSH SGIDCSYVEC CRTQEHAHSE NPSPTWILEQ TASLVKQLGL SVDVLQHLKQ L	
MmYael	CVLRRILKSVT SQPRVTDLLD AIEMDMLCHV VPS----- DQAEGDSNA EINTD-SDSP NGMGCSPHE CRPKEHAALE KPSLSWILEQ TSSLVKQLGV PADILQHLRQ L	
ScLt01	-MNNNDESVM EFERVILIKLN NKFRTILITL HRLVK--DKR TPTVTFEVFE DVSRAIAGEI RGF---VENE DIAKNKTK-Q NQAQSW	
CaLt01	-LNNKEENVE SLEKTLVVLK NKFRLLLGSF QREFK--HND RKPINFDNFE DLSRAIAGEI KGF---VVED DATDAKTT-Q DQAQAW	
KlLt01	-MDNNQENVA IYEKSIFKIR NKFRVLVLMSL HKNNISIDSS SDRLTLEKIE SLSREIAGKL HGY---TEDD SGSNNETMMQ DQTDTW	
HsLt01	GMIQKFFYDD PTYDKLHEDL DKIRGKFQF CSLLNVQPDF KISAEGSGLS F	
MmLt01	ALLQDFPYDD PTYEKHLHEDL DRIRGKFQRL CSLLNVQPDF KVTPGGSGLA F	
Consensf.....1..1..k.r.....	

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