

Homo_sapie	519	IPLLPENSMRAVIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRV	566
Mus_muscul	520	IPLLPENNMRAIIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRV	567
Danio_reri	460	IPLLPESNMRAIIDCAGILKLRNSDIELRKGETDIGRKNTRVVMVFRV	507
Gallus_gal	504	IPLLPENNMRAITIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRV	551
Bos_taurus	498	IPLLPENNMRAITIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRV	545

cons	529	*****..*** *****:*****	576
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Homo_sapie	567	HVPQPSGRTLSSLQVASNPIECSQRSAQELPLVEKQSTDSYPVVGKKM	614
Mus_muscul	568	HIPQPNGRTLSSLQVASNPIECSQRSAQELPLVEKQSTDSYPVIGKKM	615
Danio_reri	508	HINQPNGRTVSLQVASNPIECSQRSAQELPLVDKQSMESCAASGGEQM	555
Gallus_gal	552	HIPQSNGRRTLSSLQVASNPIECSQRSAQELPLVEKQSTDSFPVVTGGKKM	599
Bos_taurus	546	HIPQPNGRTLSSLQVASNPIECSQRSAQELPLVEKQSAASGPVVLGGKRM	593

cons	577	*:*.***:*****:*** *..**::*	624
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Homo_sapie	615	VLSGHNFLQDSKVIFVEKAPDGHVWEMEAKTDRDLCKPNSLVVEIPP	662
Mus_muscul	616	VLSGHNFLQDSKVIFVEKAPDGHVWEMEAKTDRDLCKPNSLVVEIPP	663
Danio_reri	556	LLSGHNFQPDskVVfVERAQDGHHiWEMEAKVNRESSKSVALLVDVPP	603
Gallus_gal	600	ILtGHNFflQDSKVIFLEKAPDGHVWEMEAKTDKEMCKPNSLVVEIPP	647
Bos_taurus	594	VLSGHNFLQDSKVIFVEKAPDGHHiWEMEAKTEGDLCkPNSLVVEIPP	641

cons	625	:*:*** ***:***:*** ***:*****.: :.*.:***:***	672
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Homo_sapie	663	FRNQRITSPVHVsfYVCNGKRKRrsQYQRfTYLpANvPIIKTEPTDDYE	710
Mus_muscul	664	FRNQRITSPVQVsfYVCNGKRKRrsQYQRfTYLpANvPIIKTEPTDDFE	711
Danio_reri	604	YRNQRISNPVQVnfYVCNGKRKRrsQYQRfTYLpTNvPTIKTEPHDDYD	651
Gallus_gal	648	FRNQRITSPVQVnfYVCNGKRKRrsQYQIfTYLpANvPIIKTEPTDDYE	695
Bos_taurus	642	FRNQRITSPVQVnfYVCNGKRKRrsQYQHfTYLpANvPIIKTEPSDDYE	689

cons	673	:*****:.*:*..***** *****:*** ***** **::*	720
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Homo_sapie	711	PAPTCGPVsqG-LSPLPRPYYSQQLA--MPPDPSSCLVAGFPPCPQR	754
Mus_muscul	712	PALTCGPMSqG-ISPLPRPYYSQQLT--MPPDPGSCLVAGFAPCSQR	755
Danio_reri	652	LPQVCAPLHPARLALHPKPYYSPPAMTPLMPTELGPVCTGPFASSPQR	699
Gallus_gal	696	PAQTCGPMNqG-LSPLSKPYYNQQIM--MPPDPGSCLMAGFASCQQR	739
Bos_taurus	690	PALTCGPMSqG-LSPLPKPCYQQLA--LPPDPGACLMPGFPPRPQ-	732

cons	721	. .*. *: . : : . : * * . : * . : . . * : * . . *	768
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Homo_sapie	755	STLMP-----AAPGVSPKLHDLSPAAYTKGVASPGHC-HLGLPQPAG	795
Mus_muscul	756	NTLMP-----TTPNASPKLHDLSSPAYTKGLTNPghSghLGLQPPAS	797
Danio_reri	700	LVAKPISLSCSSSPSTSPKLQDLSPPHL-STKCLSAGS-NLGPQSPT-	744
Gallus_gal	740	NAVMS-----PSPNASPKLHDLSSSPY-KCIPNPGHS-HLGLQQPAG	779
Bos_taurus	733	-----GSASPELHDLSCAPYGSATAGPGHS-PLGLPRPVG	766

cons	769	. . * : * : * * * . . . * * * .	816
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Homo_sapie	796	EAPAVQDVPRPVATHPGSPGQPPPALLPQQ	-----	825
Mus_muscul	798	EAPTMQEVPRPMAIQPNSPEQPPSARLQPQ	-----	827
Danio_reri	745	-----VPHVSTIQPT-PGRYQQSI	----LYPTGNSNASSPGSHPSTP	780
Gallus_gal	780	GVPTIQEVPRSIIVVHPSSPEQSSHIMLQPQVSQHLSSSCPLGYQQTLY		827
Bos_taurus	767	GVLASQEAPRPSGVPPGPPQPPPPTLLQPQVSPTSSGSCSPGRRPALC		814

cons	817			864
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Homo_sapie	826	-----	-----	825	
Mus_muscul	828	-----	-----	827	
Danio_reri	781	NSAPELPFTP	----SLTQPQATNEASALTAQITKGP	-VRSGSSPLIQ	822
Gallus_gal	828	PNSPSSPVPSVTQEP	TYLQSCSPTHSSIMGQQQLP	KVHRNESPTTQ	875
Bos_taurus	815	PHSPSSPLPPGTREL	TRLQPCGPAHPCGTGHQHQHPP	EVPSSEPAAR	862

cons	865			912
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Homo_sapie	826	-----	-----	825	
Mus_muscul	828	-----	-----	827	
Danio_reri	823	KEADPP	-----SMLAVSIKQEPQELD	QMYLDDVNEIIRNDLSSI	861
Gallus_gal	876	PLSLPELHEESNHNLA	PIPVTIKREPEELD	QMYLDDVNEIIRNDLSST	923
Bos_taurus	863	PPPPPEVREDSNRSLA	PIPVTVKREPQELD	PLDLDDVNEIIRNDLSST	910

cons	913			960
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Homo_sapie	826	-----	825
Mus_muscul	828	-----	827
Danio_reri	862	SVHSHA	867
Gallus_gal	924	NVHS--	927
Bos_taurus	911	HIHS--	914

cons	961		966
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