File: /home/ceglab2/Desktop/ajinkya/pavo/MS**N**4**V4**GRN4**IFeb** 15 15:33:30 2022 Page 1 of 4

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	:: .:******************************	
Pavo muticus	MGSLLSRRIAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Pavo_cristatus	MGSLLSRRIAGVEDIDIOANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Gallus_gallus	MGSLLSRRIAGVEDIDIOANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Anas_platyrhynchos	MGSLLSRRIAGVEDIDIOANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Chelonia mydas	MGSLLSRRIAGVEDIDIOANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
	MGSILSRRIAGVEDIDIOANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Rhinatrema_bivittatum		
Homo_sapiens	MGSILSRRIAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Pan_troglodytes	MGSILSRRIAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Callithrix_jacchus	MGSILSRRIAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Heterocephalus_glaber	MGSILSRRIAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Bos_taurus	M <mark>GSILSRR</mark> IAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFD <mark>TPHPEGY</mark> LFGENMDL	60
Pteropus alecto	MGSILSRRIAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Equus_caballus	MGSILSRRIAGVEDIDIOANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Mus musculus	MGSILSRRIAGVEDIDIOANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDL	60
Ornithorhynchus anatinus		60
Xenopus tropicalis	MGAVWGRRIAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFETPHPEGYLFGENSDL	60
xenopus_cropicaris	1102030405060	00
	1	
	****.**********************************	
Pavo_muticus	NFLGNRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDVDSPTEENGKQKVLYSL	120
Pavo_cristatus	NFLGNRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDVDSPTEENGKQKVLYSL	120
Gallus_gallus	NFLGNRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDVDSPTEENGKQKVLYSL	120
Anas_platyrhynchos	NFLGNRPVOFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDVDSPTEENGKOKVLYSL	120
Chelonia mydas	NFLGNRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDLDSPTEENGKOKVLYSL	120
Rhinatrema bivittatum	NFLGNRPVOFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDNTDSPTEDSAKPRVLYSP	120
Homo_sapiens	NFLGSRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDADSPTEDGDKPRVLYSL	120
Pan troglodytes	NFLGSRPVOFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDADSPTEDGDKPRVLYSL	120
Callithrix_jacchus	NFLGSRPVOFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDADSPTEDGDKPRVLYSL	120
Heterocephalus_glaber	NFLGSRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDADSPIEGSEKPRVLYSL	120
Bos_taurus_	NFLGNRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDGADSPTEDGEKPRVLYSL	120
Pteropus_alecto	NFLGNRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDGADSPTEDSEKPRVLYSL	120
Equus_caballus	NFLGNRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDGADSPTEDGEKPRVLYSL	120
Mus_musculus	NFLGSRPVQFPYVTPAPHEPVKTLRSLVN1RKDSLRLVRYKEDADSPTEDGEKPRVLYSL	120
Ornithorhynchus_anatinus	NFLGNRPVQFPYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDADSPTEENGKARVMYSL	120
Xenopus tropicalis	NFLGNRPVQFPYLTPAPHEPVKTLRSLVNIRKDSLRLVRYKDGADSPLEEGGTPRVLYGL	120
	708090100110120	
	************* *** *** . * *.** *	
Pavo muticus	EFTFDADARVAITIYCQATEEFVGGMAVYSTKNPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Pavo_cristatus	EFTFDADARVAITIYCQATEEFVGGMAVYSTKNPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Gallus gallus	EFTFDADARVAITIYCQATEEFVGGMAVYSTKNPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Anas_platyrhynchos	EFTFDADARVAITIYCQATEEFVGGMAVYSTKNPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Chelonia_mydas	EFTFDADARVAITIYCQATEEFISGMAVYSTKNPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Rhinatrema_bivittatum	EFTFDADARVAITISCQASEEFISGVAVYSTKNPSLQSETVHYKRGVNQQFSLPSFKIDF	180
Homo_sapiens	EFTFDADARVAITIYCQASEEFLNGRAVYSPKSPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Pan_troglodytes	EFTFDADARVAITIYCQASEEFLNGRAVYSPKSPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Callithrix_jacchus	EFTFDADARVAITIYCQASEEFLNGRAVYSPKGPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Heterocephalus glaber	EFTFDADARVAITIYCQAVEEFLNGMAVYSPKSPALQSETIHYKRGVSQHFSLPSFKIDF	180
Bos_taurus	EFTFDADARVAITVYCQAVEEFLNGTAAYSPKSPALQSETVHYKRGVSQQFSLPSFKIDF	180
Pteropus_alecto	EFTFDADARVAITIYCOAAEEFLNGMAVYSPKSPALOSETVHYKRGVSOOFSLPSFKIDF	180
Equus_caballus	EFTFDADARVAITIYCQAVEEFLNGTATYSPKSPALQSETVHYKRGVSQQFSLASFKIDF	180
Mus musculus	EFTFDADARVAITIYCQAVEELVNGVAVYSCKNPSLQSETVHYKRGVSQQFSLPSFKIDF	180
	EFTFDADARVAITIYCQAMEEFMSGMAVYSTKNPSLQSETVHYKRGVSQQFSLPSFKIDF	180
Xenopus_tropicalis	EFTFDADARVAVITITCOAMEEFMSGMAVISTRAPSLOSETVHIKRGVSQQFSLPSFKIDF EFTFDADARVAVIVYCQASEEFSGGVAVYSPRSPALQSQTVYYKRGLSQHFSLTSFKIDF	180
vellohus_crobicaris	130140150160170180	T00
	150140150160170180	

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Pavo_muticus			<mark>D</mark> VVV <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HV	229
Pavo_cristatus			<mark>D</mark> VVV <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HV	229
Gallus_gallus			<mark>D</mark> VVV <mark>E</mark> V <mark>TG</mark> HAHVLLAAF <mark>EK</mark> HV	229
Anas_platyrhynchos			<mark>D</mark> VVV <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HV	229
Chelonia_mydas			AA <mark>RRC</mark> LL <mark>S</mark> V <mark>Q</mark> NLVV <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HV	240
Rhinatrema_bivittatum			D <mark>EI<mark>TG</mark>HAHVLLAAF<mark>EK</mark>HV</mark>	226
Homo_sapiens	SEWKDDELNFDLDRGVFPVVI	QAVVDEGD:	VV <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HM	228
Pan_troglodytes	SEWKDDELNFDLDRGVFPVVI	Q AVVDEGD	AVV <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HM	229
Callithrix jacchus	SEWKDDELNFDLDRGVFPVVI	QAVVDEGD	AVV <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HM	229
Heterocephalus glaber	SEWKDDELNFDLDRGIFPVVI	QAVVDEGD.	VV <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HV	228
Bos taurus	SEWKDDELNFDLDRGVFPVVI	OAVVDEGD	VV <mark>EVTGHAH</mark> VLLAAF <mark>EK</mark> HV	228
Pteropus alecto	SEWKDDELNFDLDRGVFPVVI	OAVVDEGD	VV <mark>E</mark> V <mark>TG</mark> HAHVLLAAF <mark>EK</mark> HV	228
Equus caballus			VVEVAGHAHVLLAAFEKHV	228
Mus musculus			VV <mark>E</mark> V <mark>TG</mark> HAHVLLAAF <mark>EK</mark> HV	228
Ornithorhynchus anatinus	SEWKDDELNFDLDRGVFPVVT	OAVVDEGD	VM <mark>E</mark> V <mark>TGHAH</mark> VLLAAF <mark>EK</mark> HV	228
Xenopus tropicalis	SDWKDEET.NEDT.DKGTVPT.VT	OAVVAEGG	<mark>EGS</mark> AHAHVLLAAF <mark>EK</mark> HV	226
Memopub_cropredirb			0220230240	220
			0	
	.********	******	*****:** :*:*****	
Pavo muticus	-		* * *	200
			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	289
Pavo_cristatus			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	289
Gallus_gallus			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	289
Anas_platyrhynchos			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	289
Chelonia_mydas			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	300
Rhinatrema_bivittatum			NKNNQETKPADDENSDNSNECVVCLSDLRDT	286
Homo_sapiens			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	288
Pan_troglodytes			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	289
Callithrix_jacchus			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	289
Heterocephalus_glaber	DGSFSVKPLKQKQIVDRVSYL	L <mark>QE</mark> IYGIE	NKNNQETKPSDDENSDNSSECVVCLSDLRDT	288
Bos_taurus	DGSFSVKPLKQKQIVDRVSYL	L <mark>QE</mark> IYGIE	NKNNQETKPSDEENSDNSNECVVCLSDLRDT	288
Pteropus_alecto	DGSFSVKPLKQKQIVDRVSYL:	L <mark>QE</mark> IYGIEI	NKNNQETKPSDEENSDNSNECVVCLSDLRDT	288
Equus_caballus	DGSFSVKPLKQKQIVDRVSYL	L <mark>QE</mark> IYGIEI	NKNNQETKPSDEENSDNSNECVVCLSDLRDT	288
Mus musculus	DGSFSVKPLKQKQIVDRVSYL	LQEIYGIE	NKNNQETKPSDDENSDNSSECVVCLSDLRDT	288
Ornithorhynchus anatinus			NKNNQETKPSDDENSDNSNECVVCLSDLRDT	288
Xenopus tropicalis			NKNNQDTKQSDDENSDNSNECVVCLSDLRDT	286
	250260.	27	0300	
	*******	* * * * * * * *	********	
Pavo muticus			LPFRALLQIRAVRKKPGALSPVSFSPVLAQS	349
Pavo_cristatus			LPFRALLQIRAVRKKPGALSPVSFSPVLAQS	349
Gallus gallus			LPFRALLOIRAVRKKPGALSPVSFSPVLAQS	349
Anas platyrhynchos			LPFRALLOIRAVRKKPGALSPVSFSPVLAOS	349
Chelonia mydas			LPFRALLQIRAVKKKPGALSPVSFSPVLAQT	360
Rhinatrema_bivittatum			LPFRALLQIRAVKKPGTLSHVSFSPVLAQT	346
Homo sapiens			LPFRALLQIRAVKKPGALSPVSFSPVLAQS	348
Pan troglodytes			LPFRALLOIRAVRKKPGALSPVSFSPVLAOS	349
			LPFRALLOIRAVRKKPGALSPVSFSPVLAOS	
Callithrix_jacchus				349
Heterocephalus_glaber			LPFRALLQIRAVRKKPGAVSPISFSPVLAQS	348
Bos_taurus			LPFRALLQIRAVRKKPGALSPISFSPVLAQS	348
Pteropus_alecto			LPFRALLQIRAVRKKPGALSPVSFSPVLAQS	348
Equus_caballus			LPFRALLQIRAVRKKPGALSPVSFSPVLAQS	348
Mus_musculus			L <mark>PFR</mark> ALLQIRAVRKKPGALSPISFSPVLAQS	348
- —			L <mark>PFRALLQIRAVRKKPG</mark> AL <mark>SP</mark> VSFSPVLAQS	348
Xenopus_tropicalis			LPFRALLQIRAVRRKPGPLPPISFSPVLAQS	346
	310320.	33	0340350360	

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Pavo muticus		LFKPPKVNTVTLPSRKPKRKTSSDNIPPGYEPISLLEAL <mark>NG</mark> L	399
Pavo cristatus		LFKPPKVNTVTLPSRKPKRKTSSDNIPPGYEPISLLEALNGL	399
Gallus_gallus		<mark>PFKPPKVNTVTLPSRKPKR</mark> KTSSDNIPPGYEPISLLEALNGL	399
Anas platyrhynchos		LIKPLKVNTVSLPSRKPRRDTSSDNIPPGYEPISLLEALNGL	399
Chelonia mydas		SSDNIPPGYEPISLLEALNGL	388
Rhinatrema bivittatum	MDHEEHS	n <mark>se</mark> ni <mark>ppgyep</mark> isllealngl	374
Homo sapiens		CPFKKSKPHPASLASKKPKRETNSDSVPPGYEPISLLEALNGL	398
Pan_troglodytes	L <mark>EHDEHS</mark>	CPFKKSKPHPASLASKKPKRETNSDSIPPGYEPISLLEALNGL	399
Callithrix_jacchus	L <mark>EHDEHS</mark>	CPFKKSKPHPASLTSKKPKRETSSDSVPPGYEPISLLEALNGL	399
Heterocephalus_glaber	M <mark>DHDEHS</mark>	CPFKKSKLHPASLASKKPKRETSSDSIPPGYEPISLLEALNGL	398
Bos_taurus	M <mark>DHDEHS</mark> ERFPR	STRAHCPFKKSKSH <mark>PASLASKKPKGETSADSIPPGYEPISLLEALNG</mark> L	408
Pteropus_alecto		<mark>CP</mark> FKKSKSH <mark>PAS</mark> LASKKPKRETSSDSIPPGYEPISLLEALNGL	398
Equus_caballus		C <mark>PFKKSK</mark> SH <mark>PASLASKKPKRETSSDSIPPGYEP</mark> ISLLEAL <mark>NG</mark> L	398
Mus_musculus	V <mark>DHDEHS</mark>	<mark>ssdsippgyep</mark> isll <mark>e</mark> al <mark>ng</mark> l	376
Ornithorhynchus_anatinus	M <mark>DHDEHS</mark>	<mark>CPFKKSK</mark> SN <mark>PVSLASKKPKRETSSD</mark> NI <mark>PPGYEP</mark> ISLL <mark>E</mark> AL <mark>NG</mark> L	398
Xenopus_tropicalis		<mark>GAD</mark> NL <mark>PPGYEP</mark> ISLL <mark>E</mark> AL <mark>NG</mark> L	374
	370	380390400410420	
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Pavo_muticus		<mark>SAPLYDEINYSGMVDGMPPA</mark> NR <mark>PLVGMDRAVESSHQKGK</mark> RS- <mark>KSPDST</mark>	454
Pavo_cristatus		<mark>saplydeinysgmydgmppa</mark> nr <mark>p</mark> lvgmdrav <mark>esshqkgk</mark> rs- <mark>ksp</mark> dst	454
Gallus_gallus		SAPLYDEINYSGMVDGMPPANRPHVGMDRAVESSHQKGKRS-KSPDST	454
Anas_platyrhynchos		SAPLYDEISYSGVVDGMPPASRPLVGMDRAVESSHQKGKRS-KSPDST	454
Chelonia_mydas		SAPLYEEISYTGVVDGLPPAGRPLAGIDRAMESGPQKSKRS-KSPDSV	443
Rhinatrema_bivittatum		SA <mark>PLYDDTTYS</mark> AI <mark>GDS</mark> RQSVGMDRGTESTHQKNKRS-KSPDST	424
Homo_sapiens		SAPLYEEITYSGISDGLSQASCPLAAIDHILDSSRQKGRPQSKAPDST	454
Pan_troglodytes		SA <mark>PLYEEITYSGISDGLSQ</mark> ASC <mark>P</mark> LAAIDHILDSSRQKGRPQSKAPDST	455
Callithrix_jacchus		SA <mark>PLYEEITYSGVSDGLSQ</mark> ASC <mark>P</mark> LATIDHILDSSRQKGRPQSKV <mark>P</mark> DST	455
Heterocephalus_glaber		SA <mark>PLYEEITYSG</mark> V <mark>SDGLSQ</mark> ASC <mark>P</mark> LAGIDQVLETSHQ-SRQR <mark>SKSPD</mark> ST	453
Bos_taurus		TAPLYEEITYSGVSDGLSQASCPLAGIDRMVESSLQKGKPRNKSPDST	468
Pteropus_alecto		SAPLYEEITYSGVSDGLSQASCPLAGLDRIMESSHQKAKPRSKSPDST	454 454
Equus_caballus		SAPLYEEITYSGVSDGLSQASCPLAGIDRIMDSSHQKGKPRSKSPDST	434
Mus_musculus Ornithorhynchus anatinus		SAPLYEEITYSGISDGLSQASCPLAGLDRIMESGLQKGKTQSKSPDST	452
Xenopus tropicalis		SAPLYEEITYSGISEGLSQAGRPLAGIDRAVENGHQKSKQS-KSPDST LYEEIPYSEGLPARVPPESTHHKAKHI-KSTDSG	415
Xenopus_cropicaris		440450460470480	413
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Pavo muticus	LRSPSSPIHEED	EEKLSEDSDSQ-PALGGGELVLRETSSPESVAGEEMEDTSSLQKSG	511
Pavo cristatus		EEKLSEDSDSQ-PALGGGELVLRETSSPESVAGEEMEDSSSLQKSG	511
Gallus_gallus	L <mark>RSPSSPIHEE</mark> D	EEKLSEDSDSQ- <mark>PALGGGELVVRETSSPESVAGEEMEDSSS</mark> LQKS <mark>G</mark>	511
Anas platyrhynchos	L <mark>RSPSSPIHEE</mark> D	EEKLSEDSDSQ-PALGGSELVLRETSSPESVAGEEIEEALSLQQGS	511
Chelonia_mydas		EEKLSEDSDSQ-PALSGAELVLRKNSSPGSIVTEEMEGISSLQQGS	500
Rhinatrema_bivittatum	L <mark>RSPSSP</mark> IHEED	EEKLLEDTDLQ <mark>SPG</mark> QS <mark>GIQLNLSETSFPEGTISENP</mark> QDD <mark>TS</mark> LRED	481
Homo_sapiens	L <mark>RSPSSP</mark> IHEED	EEKLSEDVDAP-PPLGGAELALRESSSPESFITEEVDESSSPQQG	510
Pan_troglodytes		EEKL <mark>SEDVDAP-PPLGGAELALRESSSPESFITEEVDESSSP</mark> KQG	511
Callithrix_jacchus		EEKL <mark>S</mark> EDVDA <mark>P - P</mark> LL <mark>GG</mark> AELAL <mark>Q</mark> ESSS <mark>P</mark> ESFLTEEVVESS - PKQG	510
Heterocephalus_glaber		EEKL <mark>S</mark> EDLEV <mark>P-PPPGAP</mark> ELAL <mark>GESSSPES</mark> FLTEEVDE <mark>P</mark> S-LKQG	508
Bos_taurus		D <mark>seal-papggag</mark> lal <mark>ssspes</mark> fmtetvdetsslk <mark>qg</mark>	516
Pteropus_alecto		EEKLSQVSDAP-PLPSGAGLVLSSSPESFLTEEIDETSSLKQG	508
Equus_caballus		<mark>EEKLSQASDAP-PPPSGTGLALSSSPESFLTEEVDEMS-LKQGEPS</mark>	510
Mus_musculus		EEKLSEDSDAP-LPPSGVELVLRESSSPESFGTEEGDEPS-LKQG	487
Ornithorhynchus_anatinus		EEKLSEDSDSP-PPLSGTELTFRESSSPESIVTEEIEEVTPLK <mark>P</mark> E	509
Xenopus_tropicalis		EE-V <mark>S</mark> AV <mark>SDG</mark> ER <mark>PALL</mark> GSV <mark>SR</mark> D <mark>PS</mark> HTENVTATPEITSTH <mark>GG</mark> S	468
	490	$\dots 500 \dots 510 \dots 520 \dots 530 \dots 540$	

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Pavo_muticus	C <mark>PPS</mark> VE	517
Pavo_cristatus	CPPSVE	517
Gallus_gallus	C-1 M 1 M	517
Anas_platyrhynchos	C <mark>PPSVE</mark>	517
Chelonia_mydas	R <mark>LPSME</mark>	506
Rhinatrema_bivittatum	CISESE	487
Homo_sapiens	Traasie	517
Pan troglodytes	Traasie	518
Callithrix_jacchus	TRAPSIE	517
Heterocephalus glaber		515
Bos taurus	srv <u>p</u> sie	523
Pteropus_alecto	srvpsie	515
Equus_caballus	VLRGGVSSPALLAVSQSAAGCSPGNHAQWSLHNFPEDDPQPLPLLPASPSGIGSRVPSIE	570
Mus musculus	SRVPSID	494
Mus_muscurus	SQPPSLE	516
	RIQSPP	
Xenopus_tropicalis	RIQSPP	474
	550560570580590600	
	:: :	
Pavo_muticus	DVLQDGGCGEHRSLTQSDTDPPVDVYLPGSSDFTQTLPGRGSASPTQPLLFEQTRLHLED	577
Pavo_cristatus	DVLQDGGCGEHRSLTQSDTDPPVDVYLPGSSDFTQTLPGRGSASPTQPLLFEQTRLHLED	577
Gallus_gallus	DVLQDGGCGEHRSLTQSDTDPPVDVYLPGSSDFTQTPPGRGSASPTQPLLFEQTRLHLED	577
Anas platyrhynchos	DVLQDGGCGEHRSLTQSETDPPVDVYLPGSSDFAQALPGRGPAQPLLLEPTRLHLED	574
Chelonia mydas	DILPESSCSEHRSLTRSESDPPVDVYLPGSSD-SKTLPSHGANSPTQPLLFDQPQLCPED	565
Rhinatrema bivittatum	DIIQECSS-EHQILTKTERERPLDVCLPGALDSDKSLTSYGTNTSIHPLLCDSTNIHRED	546
Homo_sapiens	NVLQDSSP-EHCGRGPPADIYLPGRPTSMETAHGLATTSPTWPPLGGPSPDPSAA	571
Pan_troglodytes	NVLQDSSP-EHCGRGPPADIYLPGRPTSMETAHGLATTSPTWPPLGGPSPDPSAA	572
Callithrix_jacchus	NVLQDSSP-EHCGRGPPADIYLPGWPTSMEMAHSLGTTSPTWPPLGGPSPDPSTA	571
Heterocephalus glaber	EVLQDGSP-EHQAYAQSGPPADICLPGWPTSMESPHSLSTAGPPWPPLGGSSPDPGTS	572
Bos taurus	NVLQDGSP-EPCGRSQPGAPADVYLPGWSTSMETPRSLHIAGHPQPPLGGPSPDPRAA	580
_	NVLQDGRP-ESCGRSQPADIYLPARGPDSCSV	546
Pteropus_alecto	NVLQDGSP-ESCGRSQPADIILEAGPDSCSV NVLQDGSP-EPCGRGQPGPPADIYLPGWSTSMEMPCGLRTASPPWPPLGGLSPEPGTT	627
Equus_caballus	DVLQDGSP-QHHGCSQPVPPADIYLPALGPESCSV	
Mus_musculus		528
Ornithorhynchus_anatinus		575
Xenopus_tropicalis	EVHKEVSDTALGPDACSI	504
	610620630640650660	
Pavo_muticus	EHRLS 582	
Pavo_cristatus	EHRLS 582	
Gallus_gallus	EHRLS 582	
Anas platyrhynchos	EHGPERL 581	
Chelonia_mydas	AR <mark>SL</mark> SFR <mark>PGLRRSQLRPKPHAQ</mark> ALLSPRELGASHAQQGPQMTL 608	
Rhinatrema_bivittatum	EONFS 551	
Homo sapiens	ELTPL 576	
Pan troglodytes	ELTPL 577	
Callithrix jacchus	ELTSL 576	
	DLTPL 577	
Heterocephalus_glaber	ELTPL 585	
Bos_taurus		
Pteropus_alecto		
Equus_caballus		
Mus_musculus	GIEE 532	
	ELTPL 580	
Xenopus_tropicalis	GIDE 508	
	670680700	