



Homo_sapiens	213	.....AEEDPEAADSSEEP..QNK	.....TPDLPEEEYVK.....E...EIQ
Gallus_gallus		.....	.....
Xenopus_laevis	276	NTSTPWTKRPGNIGRTSEKLG	SINFLKRGQHVTKG...VVRSEGEKKS
Xenopus_tropicalis	276	SDSTFCTEKPGEAEKTGEKL	NVNLPEEERGQEVTEG...AIKRSEGNKKS
Callithrix_jacchus	213	.....AEEDPEAADSSEEP..QNK	.....TPDLPEEEYVK.....E...ELQ
Oryctolagus_cuniculus	214	.....AEQDPEAADSSEEP..QNK	.....TPDLPEEEYVK.....K...EMK
Bos_taurus	215	.....AEQDPEAADSSEEP..QNK	.....TPDLPEEEFEK.....E...EIK
Rattus_norvegicus	210	.....AEQDPEAADSSEEP..QNK	.....TPDLPEEECVK.....G...ETK
Mus_musculus	210	.....AEQDPEAADSSEEP..QNK	.....APDLPEEECVK.....G...EIK
Macaca_mulatta	213	.....AEEDPEAADSSEEP..QNK	.....TPDLPEEEYVK.....E...EIQ
Monodelphis_domestica	196	ADET...EPADWEP..QKKK	NPLDPEEDSPE.....E...QVQ
Canis_familiaris	217	.....AEQDPEAADSSEEP..QNK	.....TPDLPEEEYVK.....E...EIK
Taeniopygia_guttata			
Danio_rerio	241	EPQAAGQPSQASSNDSQDETCVLVIETPESENPRLEDAEDASNEHSS	LKKRRKCTKTSTTDSRSSRLEEDPVGO

Homo_sapiens	245	.....ENEEAVK	KMLVEATREFEEVVDESP	PDFEITHITM	CDD.DPPTPEED
Gallus_gallus	171	.....GIFEANREFESSES	SGSDTSDTPDELPL	LONGEGTFPLEA	
Xenopus_laevis	347	.....SDMS.....KG.....	AVSATSKEQDGGDLHIFEIANMEFEVD	...DTPEIELPKR	...S
Xenopus_tropicalis	343	.....TEMN.....EE.....	AVSASSKENQDGGADLHIFEIANMEFEVE	...DTPELEVPKR	...S
Callithrix_jacchus	245	.....	EDAVKKMLIEATREFEEVVDESP	PDFEITHITM	CDD.DPPTPEED
Oryctolagus_cuniculus	247	.....	ENEEAVKMFMEATREFEEVVVEES	PDFEITHITM	CDD.APSTPEED
Bos_taurus	247	.....	ENEEAVKMLVEATREFEEIVVDES	PDFEITHITM	CDD.DPCTPEED
Rattus_norvegicus	242	.....	ENGEADNKLFEETPELGEAVVDES	PDFEITHITM	CDG.DPPTPEED
Mus_musculus	242	.....	ENGEADNKLFEETAPLGEAVVDES	PDFEITHITM	CDG.DPPTPEED
Macaca_mulatta	245	.....	ENEEAVKMLVEATREFEEVVDESP	PDFEITHITM	CDD.DPPTPEED
Monodelphis_domestica	226	.....	DSITEEDVLCSKNOEVKECEVHDQT	PDLELIVIKNGE	LTSPGKNN
Canis_familiaris	249	.....	ENDEAVKMLVEATREFEEIVVDES	PDFEITHITM	CDD.DPPTPEED
Taeniopygia_guttata	147	.....	GLFAAANREFESTES	SSDVA.EHPTQD	GVRFRFPGETA
Danio_rerio	351	NPDRRDIPDESTEQSSPNKSQMTSKISTSDSGNP	IGDQGCNPHGCNANSSPSKTRQTNSEASTP	DSKKLGLAKAAKREFEDSDVMDSEECENPCEVPIA	EPSDAQES

Homo_sapiens	291	S.....ETQPD	EEEE.E.....EEKV	SQPE.....VGA	AIKIIIRQLMEKFNLDL	TVTQAF	LKNSGELEATS	AF	FLASGQRA
Gallus_gallus	211	SGLQT.GL.....DDCALPAAQGENK	..Q.....TNTFS	DSSK.....AEEAA	IIQHFMEEFHTD	LLTVTQAL	LKNSGEVEATS	YYL	HAGQRL
Xenopus_laevis	393	LSLRE.FV.....MGEDPPSSSQ	..TQ.....VDEVSSP	EDS...ESEG	LQEAALLGMMSEFKLRL	RDVTQAL	LKNNGELSATR	HL	RTGSRP
Xenopus_tropicalis	389	FGLKE.FV.....MGEDLPS	SQSQ..TQ.....VDEVSSP	EDS...ESEG	LQEAALLGMMSEFKL	SLCDVTQAL	LKNNGELAATR	HL	QTGSRP
Callithrix_jacchus	291	S.....ETQPD	EEEE.E.....EEKV	SQPE.....VGT	AIKIIIRQLMEKFNLDL	TVTQAF	LKNSGELEATS	AF	FLASGQRA
Oryctolagus_cuniculus	292	S.....EAQPD	EEEE.E.....EEKV	SQPE.....DS	ISCLCLSLV.L.LLYCV	.....	.....	.....	.....
Bos_taurus	292	S.....ETQPD	EEEE.E.....EEKV	SQPE.....VGA	AIKIIIRQLMEKFNLDL	TVTQAF	LKNSGELEATS	SS	FLSGQRA
Rattus_norvegicus	287	S.....ETQPD	EEEE.E.....EPKV	STQE.....VGT	AIKIIIRQLMEKFNLDL	TVTQAL	LKNSGELEATS	SS	FLSGRRP
Mus_musculus	287	S.....ETQPD	EEEE.E.....EPKV	STQE.....VGT	AIKIIIRQLMEKFNLDL	TVTQAL	LKNSGELEATS	SS	FLSGRRP
Macaca_mulatta	291	S.....ETQPD	EEEE.E.....EEKV	SQPE.....VGA	AIKIIIRQLMEKFNLDL	TVTQAF	LKNSGELEATS	AF	FLASGQRA
Monodelphis_domestica	272	SNSKE.AS.....KDELEAE	ESS.....SSPSS	LSPD.....VGA	AIKIIIRQLMEEF	SVDLA	TVTQAF	FL	QSGRS
Canis_familiaris	294	S.....ETQPD	EEEE.E.....EEKV	SPPE.....VGA	AIKIIIRQLMEKFNLDL	TVTQAF	LKNSGELEATS	SS	FLSGQRA
Taeniopygia_guttata	186	CELKT.GP.....EDSAFPD	IQLRQERP.....KSTCS	TENV.....VGQ	VVKTMEHFMEKFAVDLL	TVTQAF	LKNSGDVEATS	YFL	QTGQRL
Danio_rerio	460	SATPATLVREPESQAEHHEETQPD	SPMSPEERPGPSSAVVPPSLNSSTSC	SHIRETPE	ETLSRD	LELVKEQVINLM	BETKKDL	VEVTKAL	LKASGDLKRAQVFL

Homo_sapiens	357	.	D	G	Y	P	I	W	S	R	Q	D	D	I	D	L	Q	K	D	D	E	D	T	R	E	A	L	V	K	K	F	G	A	Q	N	V	A	R	R	I	E	F	R	K	K	.	.	.
Gallus_gallus	287	.	D	G	Y	P	V	W	S	R	E	D	D	L	E	L	Q	K	D	D	E	D	V	R	S	K	L	I	A	K	F	G	A	E	N	V	A	R	R	V	A	F	R	K	S	.	.	.
Xenopus_laevis	471	.	D	G	F	P	I	W	I	R	K	D	D	L	D	L	Q	K	A	D	A	E	T	Q	K	R	L	I	Q	K	Y	G	S	D	N	V	A	K	R	V	A	F	L	A	S	.	.	.
Xenopus_tropicalis	467	.	D	G	Y	P	I	W	V	R	K	D	D	L	D	L	Q	K	D	D	A	E	T	L	K	R	L	I	Q	K	Y	G	A	D	N	V	A	K	R	V	A	F	L	A	S	.	.	.
Callithrix_jacchus	357	.	D	G	Y	P	I	W	S	R	Q	D	D	I	D	L	Q	K	D	D	E	D	T	R	E	A	L	V	K	K	F	G	A	Q	N	V	A	R	R	I	E	F	R	K	K	.	.	.
Oryctolagus_cuniculus		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Bos_taurus	357	.	D	G	Y	P	I	W	S	R	Q	D	D	L	D	L	Q	K	D	D	E	A	T	R	D	A	L	V	K	K	F	G	A	Q	N	V	A	R	R	I	E	F	R	K	K	.	.	.
Rattus_norvegicus	351	.	D	G	F	P	I	W	C	R	Q	D	D	L	D	L	Q	K	D	D	E	D	T	R	N	A	L	V	K	K	Y	G	A	Q	N	V	A	R	R	I	E	F	R	K	K	.	.	.
Mus_musculus	351	.	D	G	Y	P	I	W	C	R	Q	D	D	L	D	L	Q	K	D	D	E	D	T	K	N	A	L	V	K	K	F	G	A	Q	N	V	A	R	R	I	E	F	R	K	K	.	.	.
Macaca_mulatta	357	.	D	G	Y	P	I	W	S	R	Q	D	D	I	D	L	Q	K	D	D	E	D	T	R	E	A	L	V	K	K	F	G	A	Q	N	V	A	R	R	I	E	F	R	K	K	.	.	.
Monodelphis_domestica	345	.	D	G	Y	P	I	W	T	R	Q	D	D	V	D	L	Q	K	D	D	E	N	T	R	S	K	L	I	K	K	F	G	A	K	N	V	A	R	R	I	E	F	R	S	N	.	.	.
Canis_familiaris	361	.	D	G	Y	P	I	W	S	R	Q	D	D	L	D	L	Q	K	D	D	E	D	A	R	D	A	L	V	K	K	F	G	A	Q	N	V	A	R	R	I	E	F	R	K	K	.	.	.
Taeniopygia_guttata	264	.	D	G	Y	P	V	W	S	R	E	D	D	L	E	L	Q	K	D	D	E	H	V	R	N	K	L	V	A	K	F	G	A	G	N	V	E	K	R	I	V	F	R	E	S	.	.	.
Danio_rerio	570	E	T	H	G	P	L	W	T	R	L	D	D	E	T	L	L	A	A	D	P	Y	E	L	E	Q	L	Q	S	K	F	G	E	E	V	T	R	R	K	S	F	L	A	T	D	V	K	

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