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Trubripossyt8	-MPSTHWS	PDSSSRSSAPST	SPLPW	TIEPT	-----	TTTTSTNTT	LDPAE	AAAAAASAF	INDVLDKIP	-----	LPRW	VIYSIFA	VGGLLILIC	CLCICIK	CGCRRKKK						
Tnigroviridissyt8	MMAPTYL	PPTSTSI	SSVPGPSP	PWTTEPT	TFVTTS	ISANTTL	NPVAAAA	AAAAAASG	FNDLLAKIP	-----	LPRW	AIYSIFA	VGGLLIMIC	CLCICIK	CCCKNRKK						
Gaculeatusyt8	-----	MSSFHST	PNSSHP	TTALPV	-----	TNS--	TSNSTL	NPV---	AAAAANLV	NDLLNKIP	-----	LPRW	AIYAIF	VAGALLILIC	CCICAKCCCKGKKK						
Olatipessyt8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	XPQW	AIYTI	FVSGGLLIL	CLLCICIK	CCCKKKKQK						
Dreriosyt8	-----	-----	-----	-----	-----	MTPRP	SVKPTK	TPHNTTT	AAGFLP	SLLDRI	-----	LPRW	AIYAIFA	IVLLILIC	CVICCCVKCCCKGKKK						
Xtropicalissyt8	-----	-----	-----	-----	-----	MARNST	NTTAATT	IYATTT	KEPESW	IDSILNQIP	-----	LPRW	AIYALAG	LALFIILL	FIIICIC-CCCKSKKN						
Acarolinensissyt8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	XPRW	ALIAIV	IAVGLV	LLLLLIIICII-KCCC-CRKK						
GgallusSYT8	-----	-----	-----	-----	-----	MAKAQ	RNGQAT	ASPPP	ASVITTT	TGPAGF	LDG	FVN	NI	P	-----	LPRW	ALIAVAV	TAVALLFLI	CIIRCF-CGKK		
TguttataSYT8	-----	-----	-----	-----	-----	MAVA	AARKGR	TASPH	T---	ITTTA	WPGSL	DSW	LSWIP	-----	-----	LPKW	ALITVAV	AGAILLLL	FLVCI-KCCC-TKKK		
MmusculusSyt8var1	-----	-----	-----	-----	-----	MQADR	SMKMG	HALNP	FST	SAPL	DATAGP	SLIP	DLIT	RI	P	-----	WPRW	TLFIAI	LAAGVLL	VSCLLCVI-CCYCHRRH	
MmusculusSyt8var2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
MmusculusSyt8var3	●	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
MmusculusSyt8var4	●	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
MmusculusSyt8var5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
HsapiensSYT8var1	-----	-----	-----	-----	-----	MLHL	HGWQ	TMQGR	KMGHP	VPVSP	SAPAP	AGTTA	IPGL	IPDL	VAGT	P	-----	WPRW	ALIAGAL	AAGVLL	VSCLLCAA-CCCCRRHR-
HsapiensSYT8var2	●	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	

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Trubripossyt8	QRQK	KDDKVK	LIDMDG	-KSA	AAALVQ	SDVMD	ADYG	STNQ	EKRG	KLLYS	LEYK	TVQSE	LIVG	IKKAD	GLKAMD	LGSS	DPYV	KVYIL	PKDK	TKTC	ETKV	FRHTL	QPIF	NEHF	I	FQI
Tnigroviridissyt8	QRQK	KDDKVK	LMEVNG	-KSPA	ALAQ	SDAMG	ADYG	GATK	QEKRG	KLLYS	LEYK	SAQSE	LIVG	IKKAD	ALKAMD	LGSS	DPYV	KVYIL	PKDK	TKTC	ETKV	FRHTL	QPIF	NEQ	FTF	QI
Gaculeatusyt8	-KQK	KNEKID	LKG	VNG-K	TTTALV	QPDV	SDVG	YSTK	RP-RG	KLLYS	LDYNA	AE	SVLT	VGIK	QADSL	RAMD	LGSS	DPYV	KVYTC	PDKSK	TFET	KVFR	NTLS	PTF	NER	FS
Olatipessyt8	KKKQ	KDQ-L	NLKG	VNG-Q	TTTTLV	QPDV	EDVD	YGST	KQH-RG	KLLYS	LEYN	TTKSE	LSVG	IKQAN	GLKSV	NVGR	SADP	YAKV	YIL	PKDK	SKTF	ETKV	FKN	TLN	PTF	NEL
Dreriosyt8	RKKK	PDEKIN	MKGIS	G-T	TTTALV	QPET	EDTE	YSSD	Q-RG	KLQYS	LEFN	ASRSE	ELTV	GKEA	AAALK	AMDS	GGTS	DPYV	KVYIL	PNKSK	TFET	KVFR	KTLN	PVFN	EN	FKY
Xtropicalissyt8	-KKK	KDKKID	MDKVP	G-NL	THLV	QPGAG	NLQ	KG-EK	VEYR	GRVQ	YSLE	YNFQ	TEEL	TVGV	KQAA	ALKAMD	GGTS	DPYAI	VYVT	NDTR	KKFET	KVN	RKTLN	PVFN	ES	FV
Acarolinensissyt8	-RKK	KEKAV	DMS	SING	PSTTK	RRLV	QPDLE	IEC	GNEE	EEKR	GLQYS	LEYD	FRSQ	EMKV	GVKQ	AADL	KAMDS	GGTS	DPYVI	VYLT	SDIR	KKYET	KVYR	KTLN	PVFN	ES
GgallusSYT8	-TKK	KEK-V	GLLP	FSG-S	TASLV	QPEME	DLE	EQ-P	QETG	RGLQ	YSLE	YNFRA	QELK	VG	VKQ	AADL	KAMN	GGTS	DPYVI	VYLT	SDMR	KKYET	KVYR	KTLN	PIFN	ES
TguttataSYT8	-HKK	KER-IG	LCAIS	N-ST	TINLV	QPEME	DLE	QE-VE	QKR	RGKL	QYS	LEYN	FRMQ	ELK	VG	VKQ	AVKL	RAMDS	GGTS	DPYVI	VYLT	SDIK	KRYET	KVYR	KTLN	PIFN
MmusculusSyt8var1	RKQP	KDKET	VGLGS	ARNST	TTTHLV	QPDV	DCL	EP	CSGG	DQWGR	LLLS	LEYD	FGSQ	ELRV	GLRQ	AGNL	KA---	EGTAD	PYAW	VSVST	QSGRR	HETK	VHRG	TLS	PMFE	ET
MmusculusSyt8var2	●	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MmusculusSyt8var3	RKQP	KDKET	VGLGS	ARNST	TTTHLV	QPDV	DCL	EP	CSGG	DQWGR	LLLS	LEYD	FGSQ	ELRV	GLRQ	AGNL	KA---	EGTAD	PYAW	VSVST	QSGRR	HETK	VHRG	TLS	PMFE	ET
MmusculusSyt8var4	RKQP	KDKET	VGLGS	ARNST	TTTHLV	QPDV	DCL	EP	CSGG	DQWGR	LLLS	LEYD	FGSQ	ELRV	GLRQ	AGNL	KA---	EGTAD	PYAW	VSVST	QSGRR	HETK	VHRG	TLS	PMFE	ET
MmusculusSyt8var5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
HsapiensSYT8var1	-KKPR	DKESV	GLGS	ARGTT	TTTHLV	QPDV	DGLE	SSPG	DAQQ	WGRL	QLS	LEF	D	FGSQ	ELRV	GLRQ	AADLR	P---	GGTVD	PYAR	VSVST	QAGHR	HETK	VHRG	TLC	PV
HsapiensSYT8var2	-KKPR	DKESV	GLGS	ARGTT	TTTHLV	QPDV	DGLE	SSPG	DAQQ	WGRL	QLS	LEF	D	FGSQ	ELRV	GLRQ	AADLR	P---	GGTVD	PYAR	VSVST	QAGHR	HETK	VHRG	TLC	PV

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Trubripossyt8	SKST	LLNST	AVMQ	VDFN	NRFH	HKHNI	IGEL	RLLQ	CNV	DWNH	VEE	WRDL	AEPA	KFEE	EE-NL	GEIC	FSMR	VYVPS	SAGKL	TVVILE	ARNL	KSM	DV	GGSS	DPYV	KVQ	LALD
Tnigroviridissyt8	SKSS	LLNST	VVMQ	VDFN	NRFH	HKHNI	IGEL	RLLQ	SDV	DWNH	VEE	WRDX	DLAE	PAKFEE	EE-NL	GEIC	FSLR	YVPT	TSSKL	TVVILE	AKDL	KSM	D	TGGSS	DPYV	KVQ	LALD
Gaculeatusyt8	SKSK	LLKST	AVMI	KVDF	NRFT	TKHEI	GEIR	VDLC	SV	DWNH	VEE	QDLAE	PAKFEE	EE-NL	GEIC	FSLR	YVPT	TSSKL	TVVILE	AKDL	KSM	D	TGGSS	DPYV	KVQ	LALD	
Olatipessyt8	SKSK	LLKST	VVIK	VDFN	SRFT	THHTI	IGEL	RVLQ	CDIN	WNH	VEE	WG	LEEP	AMFEE	QEV	D	GEIC	FSLR	YVPT	TSSKL	TVVILE	AKDL	KSM	D	TGGSS	DPYV	KVQ
Dreriosyt8	PQKE	LTEST	LVMQ	VYDF	NRFS	KHDI	IGEI	RNL	STV	DWNH	VEE	WRDL	SEAS	KHEE	QE-HL	GEIC	FSLR	YVPT	TSSKL	TVIILE	AKDL	KMD	Q	VGGSS	DPYV	KVQ	LILE
Xtropicalissyt8	TQEE	VPR	TTAV	VQIF	DFNR	FLKH	DVIG	EMVI	PLGE	VNLQ	HVIE	DWKD	LGP	AGKTE	HE-HL	GDIC	FSLR	YVPT	TSSKL	TVVILE	AKDL	KRM	D	SDGFS	DPYV	KVHL	ALNR
Acarolinensissyt8	PQGD	VAENT	LVMQ	VYDF	NRFS	KHDI	IGEM	RPL	GDV	DLQ	HVME	QWHE	LTA	ASKIEE	QE-HL	GEIC	ISLR	YVPT	TSSKL	TVVILE	AKDL	KRM	D	PNGLS	DPYV	KVQ	LILN
GgallusSYT8	PPAE	VSEAT	LVMQ	IYDF	NRFA	KHDI	IGEV	RPL	ASV	SLQ	HIE	QWSD	LVV	ASKVEE	QE-QL	GEIC	FSLR	YVPT	TGKLT	TVLILE	AKDL	KRM	D	SHGLS	DPFV	KVHL	LILN
TguttataSYT8	PQAE	VSKCT	LVMQ	IYDF	NRFS	KHDI	IGEV	WPL	ASV	NLQ	HIE	QWSD	LAV	ANKVEE	EE-HL	GEIC	FSLR	YVPT	TGKLT	TVLILE	AKDL	KRM	D	SDGLS	DPFV	KVHL	LILN
MmusculusSyt8var1	PPAE	LPKAT	LKVQ	LWDF	KRFSE	HEPL	GELQ	LPL	GT	VDLQ	HVLES	WYQ	L	GPPGTTEE	PE-QM	GELC	FSLR	YVPT	TSSGL	TVVVLE	ARGL	NP---	GLAE	AYVKI	QLML	NQR	
MmusculusSyt8var2	PPAE	LPKAT	LKVQ	LWDF	KRFSE	HEPL	GELQ	LPL	GT	VDLQ	HVLES	WYQ	L	GPPGTTEE	PE-QM	GELC	FSLR	YVPT	TSSGL	TVVVLE	ARGL	NP---	GLAE	AYVKI	QLML	NQR	
MmusculusSyt8var3	PPAE	LPKAT	LKVQ	LWDF	KRFSE	HEPL	GELQ	LPL	GT	VDLQ	HVLES	WYQ	L	GPPGTTEE	PE-QM	GELC	FSLR	YVPT	TSSGL	TVVVLE	ARGL	NP---	GLAE	AYVKI	QLML	NQR	
MmusculusSyt8var4	PPAE	LPKAT	LKVQ	LWDF	KRFSE	HEPL	GELQ	LPL	GT	VDLQ	HVLES	WYQ	L	GPPGTTEE	PE-QM	GELC	FSLR	YVPT	TSSGL	TVVVLE	ARGL	NP---	GLAE	AYVKI	QLML	NQR	
MmusculusSyt8var5	●	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
HsapiensSYT8var1	PQAE	LPGAT	LQVQ	LNFN	KRFS	GHEPL	GELRL	PLG	T	VDLQ	HVLEH	WYLL	GPPA	ATQPE	PE-QV	GELC	FSLR	YVPT	TSSGL	TVVVLE	ARGL	LRP---	GLAE	PYVKV	QLML	NQR	
HsapiensSYT8var2	PQAE	LPGAT	LQVQ	LNFN	KRFS	GHEPL	GELRL	PLG	T	VDLQ	HVLEH	WYLL	GPPA	ATQPE	PE-QV	GELC	FSLR	YVPT	TSSGL	TVVVLE	ARGL	LRP---	GLAE	PYVKV	QLML	NQR	

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Trubripossyt8	KTCI	KKKTLN	PYYNES	FVDF	VSF	DQIQ	RVNL	VISV	WDH	DAV	TRND	AI	GKIF	LGCD	AAGN	QLRH	WADML	SNP	RRP	VAQ	QWHS	LLSS	Q	INSS	LT	LKK--	KIPL	ASKL	
Tnigroviridissyt8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Gaculeatusyt8	KTSI	KKKTLN	PYYNES	FVDF	VSF	DQIQ	RVNL	VISV	WDH	D	TVSR	ND	PI	GKLF	LG	GDAS	GNQLRH	WADML	ANP	RRP	VAQ	QWHS	LLSA	Q	VNAT	LS	LKR--	KLPL	
Olatipessyt8	KTSV	KKKTLN	PYPNES	FVDF	VNF	MDQI	RVNL	VISV	WDY	DAM	TRND	AI	GKV	LG	CDAS	GNQLK	HADML	SNP	RRP	VVQ	QWHS	LLSA	E	Q	VNST	LG	LKK--	KTPL	
Dreriosyt8	KTSV	KKR	TLN	PYPNES	FVDF	VSF	EQIQ	KVQL	VISV	WDH	DKMS	RD	AI	GKIY	LG	CDAT	GNQLRH	WADML	SNP	RKP	VAQ	QWHT	LLSA	E	Q	VDTT	L	LKHT	
Xtropicalissyt8	KTAV	KKSTL	KPYF	NESF	TF	DVSL	EQMKN	LDLII	SV	WDH	DKV	GENE	I	GKLF	LG	CRAS	GNALRH	WSDML	AHP	RRP	IAQ	QWH	KLQ	EAD	VD	KVLE	L	KRNL	
Acarolinensissyt8	KTSV	KKNTL	SPYF	N	EAFI	F	DV	P	FHLIQ	NID	L	VISV	WDS	DKVT	KDQ	I	GKLF	LG	CRAT	GNQLRH	WSDML	ANP	RRP	VAQ	QWH	NLQ	PVE	DID	
GgallusSYT8	KTSV	KKNTL	SPYF	N	EAFV	F	V	P	F	NQIQ	NVD	V	VISV	WDY	DKMT	KN	E	I	GKLF	LG	CRAT	GNQLRH	WSDML	SNP	RRP	LAQ	QWHS	LQ	P
TguttataSYT8	RTSV	KKNTL	SPYF	N	EAFV	F	V	P	F	FSQIQ	NVD	M	VISV	WDH	DKVT	KN	EPT	GKLF	LG	CRAT	GSQ	LRH	WSD	TL	SNP	RRP	LAQ	QWH	
MmusculusSyt8var1	KTSS	KKGTT	TPYF	N	EAFV	F	V	P	V	VSQIQ	SV	D	L	VLA	V	WARG	LQ	LRTE	P	VGK	VLLG	S	RASG	QPLQ	H	WADML	AHARRP	IAQ	QWH
MmusculusSyt8var2	KTSS	KKGTT	TPYF	N	EAFV	F	V	P	V	VSQIQ	SV	D	L	VLA	V	WARG	LQ	LRTE	P	VGK	VLLG	S	RASG	QPLQ	H	WADML	AHARRP	IAQ	QWH
MmusculusSyt8var3	KTSS	KKGTT	TPYF	N	EAFV	F	V	P	V	VSQIQ	SV	D	L	VLA	V	WARG	LQ	LRTE	P	VGK	VLLG	S	RASG	QPLQ	H	WADML	AHARRP	IAQ	QWH
MmusculusSyt8var4	KTSS	KKGTT	TPYF	N	EAFV	F	V	P	V	VSQIQ	SV	D	L	VLA	V	WARG	LQ	LRTE	P	VGK	VLLG	S	RASG	QPLQ	H	WADML	AHARRP	IAQ	QWH
MmusculusSyt8var5	KTSS	KKGTT	TPYF	N	EAFV	F	V	P	V	VSQIQ	SV	D	L	VLA	V	WARG	LQ	LRTE	P	VGK	VLLG	S	RASG	QPLQ	H	WADML	AHARRP	IAQ	QWH
HsapiensSYT8var1	KTAT	KKGMA	APYF	N	EAF	T	F	L	V	P	F	SQIQ	NVD	L	VLA	V	WDR	S	L	P	LRTE	P	VGK	V	L	GARASG	QPLQ	H	WADML
HsapiensSYT8var2	KTAT	KKGMA	APYF	N	EAF	T	F	L	V	P	F	SQIQ	NVD	L	VLA	V	WDR	S	L	P	LRTE	P	VGK	V	L	GARASG	QPLQ	H	WADML