

		10	20	30	40	50	60	70	80						
Homo sapiens	--MSCVHYKFS	SSLN	YD	TVTF	DG-LHISL	CDLKK	IMGRE	KLKAA	-D-CDL	QITNAQTK	EYTD	DNALIP	PKNSS	VIVRR	PIGGV
Mus musculus	--MSCVHYKFS	SSLN	YD	TVTF	DG-LHISL	CDLKK	IMGRE	KLKAA	-D-SD	QITNAQTI	EYTD	DNALIP	PKNSS	VIVRR	PIGGV
Xenopus tropicalis	--MSGVHYKFS	SSLN	YD	TVTF	DG-LHISL	CDLKK	IMGRE	KLKAT	-D-CD	QITNAQTO	EYTD	ETVLI	PKNSS	VIVRR	PIGGV
Fugu rubripes	--MAHIHYKFA	SKRSP	TVTF	DG-PHITL	QELKRL	IMEK	KLRS	G-D-CD	QITNSOTKE	EFTD	QEGEL	IAKGS	VIVRR	PIVVG	
Tetraodon nigroviridis	--MAHIHYKFA	SKRSS	TVTF	DG-PHMTL	QELKRL	IMEK	KLRS	G-D-CD	RLITNAQ	TNEEY	TD	EKAH	PKHSS	VIVRR	PIGGV
Ciona intestinalis	--MSAIHYKFS	SSTEY	KNV	TFD	G-ISLSL	VDLKK	SIME	KQKL	KST-E	VDL	QITNAQ	TLO	VYKDD	LALIP	KNTAVL
Ciona savignyi	--MSAIHYKFS	SSTEY	KNV	TFD	G-ISLSL	VDLKK	SIME	KQKL	KHT-E	LDL	HITNAQ	TLO	VYKDD	SALIP	KNTAVL
Halocynthia roretzi	--MSAIHYKFS	SSTEY	KNV	TFD	G-LHISL	VDLKK	SIME	KQKL	KST-E	VDL	LITNAQ	SLO	DYS	DE	SLIPKNT
Strongylocentrotus purpuratus	--MSVHYKFS	KSSID	YD	TVTF	DG-LHISL	GLKK	AAIME	QKIG	RV-E	FDL	QITNAQ	SS	EYK	EGD	LIPK
Danio rerio	--MSCVHYRF	QSRL	TYD	PSLO	FEG-L	ITV	GELK	RIM	RRER	LK---F	COL	KISKAQ	TDE	EYTD	DALIP
Anopheles gambia	---MSVHYKFS	ALD	FD	TVTF	DG-LHISV	ADL	KKGI	IQ	KRLG	KTV	FDL	QITNAQ	TKE	EY	NDDN
Aedes aegypti	---MSVHYKFS	ALD	FD	TVTF	DG-LHISV	ADL	KKAI	IHQ	KRLG	KTD	FDL	QITNAQ	TKE	EY	SEEA
Bombyx mori	---MSVHYKFS	ALD	YD	TVTF	DG-LHISV	GLKK	AAIS	Q	KRI	GTS	FDL	RLITNAQ	TKE	IF	VD
Drosophila yakuba	---MSVHYKFS	KL	TF	TVTF	DG-LHISV	GLK	REIV	Q	KRLG	KI	FDL	QITNAQ	SKE	EY	KDD
Drosophila melanogaster	---MSVHYKFS	KL	TF	TVTF	DG-LHISV	GLK	REIV	Q	KRLG	KI	FDL	QITNAQ	SKE	EY	KDD
Drosophila psuedoobscura	---MSVHYKFS	KL	TF	TVTF	DG-LHISV	GLK	REIV	Q	KRLG	KI	FDL	QITNAQ	SKE	EY	KDD
Dictyostelium discoideum	---MSVHFLKS	SIDY	DT	VACE	EG-GFISV	ADL	KKFI	Q	KRLG	KTD	FDL	LLTNSO	TNE	EYK	DE
Oryza sativa	---MAVYKFS	KSARD	YD	SIP	ING-GFISV	ANL	KKRIF	ES	KHLG	RGT	FDL	MISNAQ	TDE	EY	AD
Sorghum bicolor	---MAVYKFS	KSARD	YD	SIP	ING-GFISV	ANL	KKRIF	ES	KHLG	RGT	FDL	MISNAQ	TDE	EY	AD
Lycopersicon esculentum	---MSVYKFS	KSAD	YD	SIP	ING-HFITV	GNL	KKRIF	ES	KHLG	RGT	FDL	VVNAQ	SNE	EY	L
Medicago truncatula	---MAIYKFS	KSARD	YD	TIAM	DG-PFISV	GIL	KDKIF	ET	KHLG	TGK	LDI	VVNAQ	TNE	EY	L
Arabidopsis thaliana	---MAIYKFS	KSARD	YD	TIAM	DG-PFISV	GIL	KDKIF	ET	KHLG	TGK	LDI	VVNAQ	TNE	EY	L
Ceratopteris richardii	---MAVYKFS	SAV	AD	SIS	VEG-NGITV	SNL	KKI	IL	KNL	GR	TD	FDL	ITNAQ	D	SE
Saccharomyces mikatae	-MSSTIFYR	FKSOR	NTSR	ILFD	G-TGLT	VF	DLK	REII	QEN	KL	G	GTD	FOL	KVYN	P
Saccharomyces kudriavzevii	-MSSTIFYR	FKSOR	NTSR	ILFD	G-TGLT	VF	DLK	REII	QEN	KL	G	GTD	FOL	KVYN	P
Saccharomyces bayanus	-MSSTIFYR	FKSOR	NTSR	ILFD	G-TGLT	VF	DLK	REII	QEN	KL	G	GTD	FOL	KVYN	P
Saccharomyces paradoxus	-MSSTIFYR	FKSOR	NTSR	ILFD	G-TGLT	VF	DLK	REII	QEN	KL	G	GTD	FOL	KIYN	P
Candida glabrata	-MSSTIFYR	FRS	QKDS	SRIL	FDG-TGLT	VF	DLK	REII	QEN	KL	G	GTD	FOL	KVYN	P
Saccharomyces castellii	-MSSTIFYR	FKS	ORE	TSR	ILFDG-TGLT	VF	DLK	REII	Q	SR	L	G	GSD	FOL	R
Kluyveromyces waltii	-MSSTIFYR	FKS	QKDS	SRIL	FDG-TGLT	VF	DLK	REII	QEN	KL	G	GTD	FOL	R	L
Eremothecium gossypii	-MSSTIFYR	FRS	QKDS	SRIL	FDG-TGLT	VF	DLK	REII	QEN	KL	G	GTD	FOL	R	L
Saccharomyces kluyveri	-MSSTIFYR	FKS	QKDS	SRIL	FDG-TGLT	VF	DLK	REII	QEN	KL	G	GTD	FOL	R	L
Kluyveromyces lactis	-MSSTIFYR	FKS													