

	1	10
sp|P11926|DCOR_HUMAN	MNNFGNEEFDCHFLD.....	
tr|J3NYB2|J3NYB2_GAGT3	MVMATA.LTDRITPVDFNHTF.....	LKKTPPGFLDQ.HNG.....
tr|B2VZL4|B2VZL4_PYRTR	MAPSAITTTTEEQ.YPLKD.....	IQSFNNYSASSVDNH.....
tr|C1GYJ9|C1GYJ9_PARBA	MAPFVFAPHDIYVTRNP.....	DDSNKYKSSSTHHG.GFDLFQ.....
tr|W9CS12|W9CS12_9HELO	MSPSAIVTHEDNNNFD.....	IQSYYP..KDSYIELN.....
tr|W6QB16|W6QB16_PENRO	MVMAPTACVSTAIEVCTFRKDYT.....	NSLDHLGLVSSHGGDNNLLQ.....
tr|A1CHB3|A1CHB3_ASPCL	MTKSDHKIDYD.....	FHSSHHSQGLGNHG.EDDLSQ.....
tr|H1VCA7|H1VCA7_COLHI	MVMATA.AIEHFAPATINYASTY.....	QPVLKTSHFVDHAHHHSKH.....
tr|C6H1Z4|C6H1Z4_AJECH	MAPFAFVPHDIYVSRNP.....	DDINKYKTSSNHG.GFDLFQ.....
tr|G2WTZ9|G2WTZ9_VERDV	MATV.ALEQYAPPTINYDRSYH.....	TILKTKQQYADHAP..TNN.....
tr|K1WA32|K1WA32_MARBU	MSPSAIENFETKTNLTN.....	NHSYYENIKSVFAEQNNH.....
tr|C5GFH7|C5GFH7_AJEDR	MVMAPFAFVPHDIYVHQNP.....	DDSNKYKSSSHNHG.GFDLFQ.....
tr|J4UIB7|J4UIB7_BEAB2	MTTA.VFDHHVDTIHQS.....	PFLAKRLPIPSIAA...RD.....
tr|E9E831|E9E831_METAQ	MVMATA.ILDNHQNVTHN.....	MCKPLLADYHL...NN.....
tr|E9F1W4|E9F1W4_METAR	MATA.AIEHFAPATINYASNYH.....	HMSMKKPLLADYHL...NN.....
tr|A0A010RRK5|A0A010RRK5_9PEZI	MATA.AIDRFAPATINYASTYV.....	QPILKTSHFADHP...VKH.....
tr|N4VJ33|N4VJ33_COLOR	MAPSAITTTTEQYAPLSIKT.....	PVLKTTSHHIIHHA...NH.....
tr|K2RJF9|K2RJF9_MACPH	MVMPV.VSDRMGTIDFIDYTNNHVFSK...	FTPVDHTAPAIETKY.....
sp|P27121|DCOR_NEUCR	MPKLYDKPD.....	CQTDLSLNTVNNGSLKHDDYLHGLAN.....
tr|C8V6I7|C8V6I7_EMENI	MATA.AIEHFAPATINFASTYH.....	FYVNNIHQFSNHG.ADDLSQ.....
tr|L2FKD0|L2FKD0_COLGN	MTMTTA.VWDHHVDPIHQP.....	QPVLKTSHYVEHAHHNKQ.....
tr|G3JP44|G3JP44_CORMM	MVMATA.IFDRVAPVTFNH.....	PFLAKRLPVHVSAS...RD.....
tr|F0XRE0|F0XRE0_GROCL	MVIATASLVEQAPVTFHH.....	NSNVGFLKKS.FHHGATQ.....
tr|S3BU11|S3BU11_OPHP1	MIAKEIAPALAQDQPEEVKHD.....	KSDLGFFKKS.HNNGVTQ.....
gi|374108170|gb|AEY97077.1|	.....MASQPEIAKNLFASTTTLVDYP.....	SLCQARDHVTTGLAGLVATDPT.....
gi|49524739|emb|CAG58345.1|	.....MSSTQVGNALSSSTTTLVDLSNS.....	AKEEKKSHEDNVDTYLQLFYKLN.....D.....
sp|P08432|DCOR_YEAST	MSNLPPFFAYSVIFLFSIFFSFHDFLT.....	TMTQKKQYKDGET.LHNLLELKN.....N.....
tr|W0TA90|W0TA90_KLUMA	MPAIMEKNMLVSESLRTT.....	MSNLPPFFAYSVIFLFSIFFSFHDFLT.....
sp|Q9UQW9|DCOR_SCHPO	MPAITEKNLFTSESRLTT.....	ELLGHVKPIDSVVTVSSPG.....
tr|S9PVK1|S9PVK1_SCHOY	MPLILEQNMNISESLRTT.....	ELLGHVNAINSVSTWSSD.....
tr|B6JUV0|B6JUV0_SCHJY	MAAIAIPAGAAQAFQDESTSSFYPLSCSPLSRSPFLAQLSLSPNSAPKYSSVVPANQFAQVRRKSSVSAHARPVIRPP.....	DLNRLSPAESVSTWSSCG.....
tr|M7XLS3|M7XLS3_RHOT1	MSQIEILRPNPVPVDYDTSRSPSSH..HCHARD.YINDILSSPSSIRLTAEGYSAESPFGSS.....	QG.....
tr|V2WL65|V2WL65_MONRO	MAQPQILRSAPINFKSSKSTTARTHGSYS DHPS.SLSNIFSTSPPASRSVDFASSRSIFAINSV.....	AP.....
tr|L8WQE8|L8WQE8_THACA	MNVFTDDDFEFAPLE.....	MNVFTDDDFEFAPLE.....
tr|K4GFQ0|K4GFQ0_CALMI	MTACTGSDDFEFAPLE.....	MTACTGSDDFEFAPLE.....
tr|Q9DGJ4|Q9DGJ4_DANRE	MNTATPTDFEFPPLE.....	MNTATPTDFEFPPLE.....
tr|Q6XQV9|Q6XQV9_PAROL	MNTFAP...DFVPLE.....	MNTFAP...DFVPLE.....
tr|B5X175|B5X175_SALSA	MSSFTKDEFDCHILD.....	MSSFTKDEFDCHILD.....
tr|C7BBC1|C7BBC1_ONCMY	MNSFNKDEFDCHILD.....	MNSFNKDEFDCHILD.....
sp|P00860|DCOR_MOUSE	MGSFTKEEFDCHILD.....	MGSFTKEEFDCHILD.....
sp|P14019|DCOR_CRIGR	MNSFSNEEFDCHFLD.....	MNSFSNEEFDCHFLD.....
sp|P09057|DCOR_RAT	MNSFSNEELDCHFLD.....	MNSFSNEELDCHFLD.....
tr|P27117|DCOR_BOVIN	MNMN.VSNEEFDCHFLD.....	MNMN.VSNEEFDCHFLD.....
tr|D0G783|D0G783_PIG	MYCVATGPPQGPAGLLGALTQFLPDDPSPRNSQGAAPGRRPVCCVSRHQEAMNSFSNEEFDCHFLD.....	MYCVATGPPQGPAGLLGALTQFLPDDPSPRNSQGAAPGRRPVCCVSRHQEAMNSFSNEEFDCHFLD.....
tr|S7MV92|S7MV92_MYOBR	MNMNSVSDEEFDCHFLD.....	MNMNSVSDEEFDCHFLD.....
tr|S9WGP8|S9WGP8_9CETA	FTFLD.....	FTFLD.....
tr|G9KEH8|G9KEH8_MUSPF	MNSFSGEEFNFSFLD.....	MNSFSGEEFNFSFLD.....
tr|L5LT03|L5LT03_MYODS	MNSFSAEEFNFSFLD.....	MNSFSAEEFNFSFLD.....
sp|P27118|DCOR_CHICK	MNSFSNDDDFDFSLE.....	MNSFSNDDDFDFSLE.....
tr|J3S4T4|J3S4T4_CROAD	MNSFSNDDDFDFSLE.....	MNSFSNDDDFDFSLE.....
tr|V8NZ37|V8NZ37_OPHHA	MAAATPEIQ.....	MAAATPEIQ.....
sp|P27120|DCOR1_XENLA	MISQFEITGDNKIGVLP.....	MISQFEITGDNKIGVLP.....
tr|Q6GLE9|Q6GLE9_XENTR	MYKFGKIN.....	MYKFGKIN.....
sp|P40807|DCOR1_DROME	MFKENEIN.....	MFKENEIN.....
sp|P41931|DCOR_CAEL	MSPNNNFNEIQ.....	MSPNNNFNEIQ.....
tr|A0A034WJY6|A0A034WJY6_BACDO	MIRNGRILRDHAALRHVQIHDIPGQTRQPVDDDDYDNDQSQSHKQLLLTSMFTQSSQDAPVGPFGQYAKLCEAVQETVDREM.....	MIRNGRILRDHAALRHVQIHDIPGQTRQPVDDDDYDNDQSQSHKQLLLTSMFTQSSQDAPVGPFGQYAKLCEAVQETVDREM.....
tr|Q27702|Q27702_MUSDO	MYKFGKIN.....	MYKFGKIN.....
tr|U1M7I3|U1M7I3_ASCSU	MTLIGCVDYIEIAGTKVAVCR.....	MTLIGCVDYIEIAGTKVAVCR.....
tr|A0A026WM66|A0A026WM66_CERBI	MKVVEEQIR.....	MKVVEEQIR.....
tr|W5J4G7|W5J4G7_ANODA	MTMITQMEIGDSKVAIAD.....	MTMITQMEIGDSKVAIAD.....
tr|G6D2E4|G6D2E4_DANPL	MKHYIGNGCTVESMP.....	MKHYIGNGCTVESMP.....
tr|W8BLC9|W8BLC9_CERCA		
sp|P49725|DCOR_PANRE		
tr|Q1HPR3|Q1HPR3_BOOMO		
tr|M4TB00|M4TB00_TELCI		
tr|B7T184|B7T184_HALDV		

	20	30	40	50	60	70	80	90																																																																			
sp|P11926|DCOR_HUMAN	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDIL	KKHLRWL	KALPR	VT	PFFYAVKCN	DSKA	IVKT	LAA	IGT	GDFCASK	TEI	QL																																																										
tr|J3NYB2|J3NYB2_GAGT3	ELVSK	QLIGDA	LRSRV	ESIDH...	EFCDPG	DEDT	FFVADLGHVY	RQH	LRW	KRN	LPR	VK	PFFYAVKCN	PD	PQ	VLRL	LAA	LGN	GDFCASK	TEI	KQ																																																						
tr|B2VZL4|B2VZL4_PYRTR	GACYS	KQLIGDA	LKSRV	EAIDS...	DTCNVG	EEDE	FFIADLGEVY	RQH	LRW	KTN	LSR	VK	PHYAVKCN	PD	PQ	VLRL	MTA	LGL	GDFCASK	N	ET																																																						
tr|C1GYJ9|C1GYJ9_PARBA	ARDAS	KDLIFDI	LKKKV	SEIDI...	HNCHPG	EEDE	FFVADLQGVY	RQH	IRW	KKN	LGR	VK	PFFYAVKCN	PD	PQ	ILRL	MVQ	LGN	GDFCASK	A	IDY																																																						
tr|W9CS12|W9CS12_9HELO	GVNTP	PKNVIGNA	LKQVR	ENIDN...	DVCEAD	DEDA	FFVADLGEVY	RQH	MRW	KKN	LPR	VK	PFFYAVKCN	PD	PQ	VI	RL	LAA	LGT	GDFCASK	G	IEQ																																																					
tr|W6QB16|W6QB16_PENRO	SSLTA	KELVLDV	LKRRA	AEVDL...	DQCGPG	EEDE	FFVADMGEVY	RQH	MRW	KMN	LGR	VK	PFFYAVKCN	PD	PE	VLRL	MAQ	LGN	GDFCASK	S	IDM																																																						
tr|A1CHB3|A1CHB3_ASPCL	SRLAA	KDMVLDI	LKKRA	AEVDV...	DRCEPG	EEDE	FFVADMGEIY	RQH	LRW	KMN	LSR	VK	PFFYAVKCN	PD	PE	ILRL	MAK	LGN	GDFCASK	S	IDL																																																						
tr|H1VCA7|H1VCA7_COLHI	GVTNP	KQLIGDA	LKRQR	VESIDH...	EICEPG	DEDT	FFVADLGEVY	RQH	MRW	KLN	LPR	VK	PFFYAVKCN	PD	PK	VL	QL	LAA	LGT	GDFCASK	T	IDQ																																																					
tr|C6H1Z4|C6H1Z4_AJECH	AREAS	KDLIFEI	LKEKV	VAKIDI...	HNCHPG	EEDE	FFIADLQGVY	RQH	VRW	KKN	LGR	VK	PFFYAVKCN	PD	PQ	VLRL	MAN	LGN	GDFCASK	A	IDC																																																						
tr|G2WTZ9|G2WTZ9_VERDV	VVITP	KQLIGEA	LRRRV	ESIDT...	ESCGAG	EEDE	FFVADLGEVY	RQH	MRW	KLN	LPR	VK	PFFYAVKCN	PD	PR	VI	EL	LAA	LGT	GDFCASK	W	IDQ																																																					
tr|K1WA32|K1WA32_MARBU	GVNPP	KKLIGDS	LKERL	ENVDH...	NACDPG	DEDA	FFIADLGEVY	RQH	MRW	KLN	LPR	VK	PFFYAVKCN	PD	PR	VI	EL	LAA	LGT	GDFCASK	A	IEQ																																																					
tr|C5GFH7|C5GFH7_AJEDR	AREAS	KDLIFEI	LKEKV	VAKIDI...	HNCHPG	EEDE	FFVADLQGVY	RQH	IRW	KKN	LGR	VK	PFFYAVKCN	PD	PQ	VLRL	MAK	LGN	GDFCASK	A	IDL																																																						
tr|J4UIB7|J4UIB7_BEAB2	GPAIA	KQLIRNA	LTRRV	EAVDH...	ELCEPG	DEDT	FFVADLGDVY	RQH	LRW	KKN	LPR	VK	PFFYAVKCN	PD	PM	VLRL	LAA	LGT	GDFCASK	T	IDQ																																																						
tr|E9E831|E9E831_METAQ	VLIDP	KQLIGEA	LHNRV	AESVDH...	ELCEPG	DEDT	FFVADLGEVY	RQH	LRW	KKN	LPR	VK	PFFYAVKCN	PD	PK	VLRL	LAA	LGT	GDFCASK	G	IEQ																																																						
tr|E9F1W4|E9F1W4_METAR	VFIDP	KQLIGEA	LHNRV	AESVDH...	ELCEPG	DEDT	FFVADLGEVY	RQH	LRW	KKN	LPR	VK	PFFYAVKCN	PD	PK	VLRL	LAA	LGA	GDFCASK	G	IEQ																																																						
tr|A0A010RRK5|A0A010RRK5_9PEZI	GVINP	KQLIGDA	LKRQR	VESIDH...	EICEPG	DEDT	FFVADLGEVY	RQH	MRW	KLN	LPR	VK	PFFYAVKCN	PD	PK	VLRL	LAA	LGT	GDFCASK	T	IDQ																																																						
tr|N4VJ33|N4VJ33_COLOR	GVIDP	KQLIGDA	LKRQR	VEGIDH...	EICEPG	DEDT	FFVADLGEVY	RQH	MRW	KLN	LPR	VK	PFFYAVKCN	PD	PK	VLRL	LAA	LGT	GDFCASK	T	IDQ																																																						
tr|K2RJF9|K2RJF9_MACPH	GVKNA	KQLIGEA	LKRQR	VEAIDP...	DSCAEG	EEDE	FFVADMGEVY	RQH	LRW	KMN	LGR	VK	PHYAVKCN	PD	PQ	VI	RL	LAA	LGT	GDFCASK	A	IEQ																																																					
sp|P27121|DCOR_NEUCR	GKLVA	KQMGIDA	LKRQR	VEIDS...	EFCEPG	DEDT	FFVADLGEVY	RQH	LRW	KKN	LPR	VK	PFFYAVKCN	HP	DER	LL	QL	LAA	LGT	GDFCASK	A	IEQ																																																					
tr|C8V6I7|C8V6I7_EMENI	SRLAA	KDLVLNV	LKKRA	AEVDT...	DRCAPG	DEDA	FFVADMGEVY	RQH	LRW	KMN	LSR	VK	PFFYAVKCN	PD	PE	VLRL	MAK	LGN	GDFCASK	A	IDM																																																						
tr|L2FKD0|L2FKD0_COLGN	GVINP	KQLIGDA	LKRQR	VESIDH...	EICEPG	DEDT	FFVADLGEVY	RQH	MRW	KLN	LPR	VK	PFFYAVKCN	PD	PK	VLRL	LAA	LGT	GDFCASK	T	IDQ																																																						
tr|G3JP44|G3JP44_CORMM	GPAIA	KQLIGNA	LARRV	EAVDH...	ELCEPG	DEDT	FFVADLGDVY	RQH	LRW	KKN	LPR	VK	PFFYAVKCN	PD	PM	VLRL	LAA	LGT	GDFCASK	T	IDQ																																																						
tr|F0XRE0|F0XRE0_GROCL	CQSTA	KQLIGNA	LRRRV	ETIDH...	EFCEPG	DEDT	FFVADLGEVY	RQH	LRW	KMN	LPR	VK	PFFYAVKCN	PD	PK	VLRL	LAA	LGN	GDFCASK	A	IEQ																																																						
tr|S3BU11|S3BU11_OPHP1	FN	NAKQLIGNA	LRRRV	VEIDQ...	EICNPG	DEDT	FFVADMGEVY	RQH	VRW	KKN	LPR	VK	PFFYAVKCN	PD	PT	VLRL	LAA	LGN	GDFCASK	A	IEQ																																																						
gi|374108170|gb|AEY97077.1|	.....TQKTGA	HEQAQAV	QAMKEH	VERVNK...	DTCDAG	EENS	FFVCDLGEVY	RLRY	L	RR	ELPR	VQ	PFFYAVKCN	PD	VR	VL	RL	LAA	LGN	NFDCASK	A	IER																																																					
gi|49524739|emb|CAG58345.1|	PEISKLP	PHNEAHL	EIYNA	LKKRV	VDINN...	ETCEPG	EENS	FFVCDLGEI	RLRY	ANW	VELPR	VQ	PFFYAVKCN	PD	KL	I	IRK	LAD	LGAN	NFDCASK	L	IDK																																																					
sp|P08432|DCOR_YEAST	QDLELL	PHQAHM	KIFQA	LKARR	IGRINN...	ETCDPG	EENS	FFICDLGEVY	KRLF	NNV	VELPR	IK	PFFYAVKCN	PD	TK	VL	SL	LAA	LGN	NFDCASK	V	IEI																																																					
tr|W0TA90|W0TA90_KLUMA	GKNVKLL	HEQKHN	MIFDT	LKEKE	IEAINH...	ETCEPG	EENS	FFVCDLGEIT	RLRK	L	VELPR	VT	PFFYAVKCN	PN	TE	VL	RL	LAA	SM	NFDCASK	C	IEK																																																					
sp|Q9UQW9|DCOR_SCHPO	SSRQA	IGEA	FKNTE	IEEIER	AAVRGE	PADS	DA	FFVADLNGVY	RQL	LRW	HAK	LPR	VQ	PFFYAVKCN	PD	PK	VL	ALL	NK	FGT	GDFCASK	G	IEQ																																																				
tr|S9PVK1|S9PVK1_SCHOY	HSRQA	VDGEA	FKNTE	IEEIER	AAVRGE	PADS	DA	FFVADLNGVY	RQL	LRW	HAK	LPR	VQ	PFFYAVKCN	PD	PK	VL	ALL	NK	FGT	GDFCASK	G	IEQ																																																				
tr|B6JUV0|B6JUV0_SCHJY	KSREA	IRELE	LEQKI	ISESEV	NSATGEM	RDA	DA	FFVADLAEVY	RQL	VRW	HTN	LPR	VQ	PFFYAVKCN	PD	PR	VL	ALL	NK	FGT	GDFCASK	G	IEQ																																																				
tr|M7XLS3|M7XLS3_RHOT1	TQAVPRE	APLPAH	ISGAI	IDNFRA	ALDTI	MDCEA	HEN	GA	FFVADLAEVY	RQH	VRW	HTN	LPR	VQ	PFFYAVKCN	PD	PR	VL	ALL	NK	FGT	GDFCASK	G	IEQ																																																			
tr|V2WL65|V2WL65_MONRO	ERLFAS	LPPLHY	GHSVR	LNNG	IMNAT	RLASE	GEA	DEA	KA	FFVADLSLVY	RQY	QRW	TCLEP	IE	IK	PFFYAVKCN	PD	PR	VL	ALL	NK	FGT	GDFCASK	N	IEI																																																		
tr|L8WQE8|L8WQE8_THACA	EIGFPG	LPPLHT	TGTTDEI	INNN	VAKALY	DTDEE	PNVER	A	FFAADLSKV	LLQ	HER	WL	RCLPG	VE	PFFYAVKCN	PD	PR	VL	ALL	NK	FGT	GDFCASH	G	IEI																																																			
tr|K4GFQ0|K4GFQ0_CALMI	EGFN	ARDI	L	ERKIN...	EVPLSD	DKDA	FYVADLGDIL	KKHLRWL	KALPR	IT	PFFYAVKCN	DE	KA	VVMT	LAA	AMGA	GDFCASK	N	IEI	QM																																																							
tr|Q9DGJ4|Q9DGJ4_DANRE	EGFC	ARDI	VEQKIN...	ESSLS	DD	DKDA	FYVADLGDV	KKHLRWL	RALPR	IT	PFFYAVKCN	SRA	VV	TTLAS	LGA	GDFCASK	T	IEI	QI																																																								
tr|Q6XQV9|Q6XQV9_PAROL	EGFT	ARDI	VEQKIN...	ESSMT	DD	DKDA	FYVCDLGDV	KKHLRWL	RALPR	IT	PFFYAVKCN	SRA	VV	TTLAS	LGT	GDFCASK	T	IEI	QL																																																								
tr|B5X175|B5X175_SALSA	EGFC	ARDI	VEQKIN...	ETSM	SD	DKDA	FYVCDLGDV	KKHLRWL	RAMP	IT	PFFYAVKCN	SRA	VV	TTLAS	LGA	GDFCASK	T	IEI	QI																																																								
tr|C7BBC1|C7BBC1_ONCMY	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDIL	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
sp|P00860|DCOR_MOUSE	EGFT	AKDID	DQKIN...	EVSS	DD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	LV	N	LAA	ITV	DCASK	T	IEI	QL																																																							
sp|P14019|DCOR_CRIGR	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
sp|P09057|DCOR_RAT	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
sp|P27117|DCOR_BOVIN	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
tr|D0G783|D0G783_PIG	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
tr|S7MV92|S7MV92_MYOBR	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
tr|S9WGP8|S9WGP8_9CETA	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
tr|G9KEH8|G9KEH8_MUSPF	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
tr|L5LT03|L5LT03_M0YDS	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
sp|P27118|DCOR_CHICK	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
tr|J3S4T4|J3S4T4_CROAD	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
tr|V8N237|V8N237_OPHHA	EGFT	AKDID	DQKIN...	EVSSSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
sp|P27120|DCOR1_XENLA	EGFS	ARDI	VEQKIN...	EVSLSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
tr|Q6GLE9|Q6GLE9_XENTR	EGFC	ARDI	VEQKIN...	EVSLSD	DKDA	FYVADLGDV	KKHLRWL	KALPR	VT	PFFYAVKCN	DSRA	IVST	LAA	IGT	GDFCASK	T	IEI	QL																																																									
sp|P40807|DCOR1_DROME	FYERL	N	IRRVIE	...	ECDLQR	LDQ	ALN	ICD	LSV	VE	KLRL	WQ	KLPR	IK	PFFYAVKCN	DD	PM	VV	LLA	LGA	GDFCASK	N	EVKL																																																				
sp|P41931|DCOR_CAEEL	KQVDQ	LOQMCR	DI	AA	...	SKDLQ	ENDS	S	FMLV	DL	DKI	IER	FLQ	WKRE	LPM	IE	PFFYAVKCN	TD	LV	LIR	LAS	LGC	GDFCASK	D	IDI																																																		
tr|A0A034WJY6|A0A034WJY6_BACDO	TYEGV	GLD	L	KG	VVK	...	EVD	VEE	ME	ALN	ICD	LS	TS	QYK	YKT	IK	HM	PR	VK	PFFYAVKCN	DD	AL	IV	KEL	AD	LGA	GDFCASK	N	EIKL																																														
tr|Q27702|Q27702_MUSDO	FYENE	ID	L	KQ	VIA	...	GKN	LQ	SAD	EA	L	FV	CD	TR	L	KE	Y	DM	T	KY	MP	VK	PFFYAVKCN	DD	GH	IV	KTL	AE	LGN	NFDCASK	G	EIKQ																																											
tr|U1M7I3|U1M7I3_ASCSU	MN	I	DV	AR	QI	AT	...	Y	KS	RD	Q	IE	Y	TR	F	ME	W	K	R	EL	MP	IE	PFFYAVKCN	DD	DP	VV	L	KV	LT	KG	G	LD	V	ASK	E	IFVQ																																							
tr|A0A026WM66|A0A026WM66_CERBI	VFDD	A	ADN	M	I	IKT	...	I	ID	VR	NT	DE	G	F	YI	V	D	I	G	DV	IE	KH	RE	W	V	T	MP	V	A	P	H	F	A	I	K	N	P	D	P	T	V	I	K	L	A	L	N	AD	N	F	D	C	A	S	E	Q	E	I	R																
tr|W5J4G7|W5J4G7_ANODA	TPESGS	FFEN	FGNLT	ILP	PEG	S	DE	KE	IDR	...	I	IE	AG	RE	H	PH	L	V	L	D	DV	R	KH	L	N	W	L	T	MP	V	T	P	F	F	Y	A	V	K	C	N	D	P	A	I	L	A	T	L	A	R	N	G	D	F	C	A	S	E	A	I	R														
tr|G6D2E4|G6D2E4_DANPL	SYEG	I	L	D	L	K	K	I	V	K	...	D	V	D	I	E	E	M	E	A	L	N	I	C	D	S	V	L	A	K	K	Y	K	T	W	L	K	H	MP	V	E	P	F	F	Y	A	V	K	C	N	D	D	R	L	V	S	T	L	A	L	G	A	G	F	D	C	A	S	K	A	E	I	E	L	
tr|W8BLC9|W8BLC9_CERCA	NAID	N	K	T	V	A	T	A	I	A	...	T	R	I	V	N	G	N	D	D	P	F	V	M	N	V	S	T	I	M	A	K	V	I	Q	W	R	T	MP	V	A	P	C	Y	A	V	K	C	N	D	D	K	V	L	L	R	T	L	A	D	L	G	M	G	F	D	C	A	S	K	A	E	I	E	K
tr|Q1HPR3|Q1HPR3_BOOMO	VMEGS	WS	P	S	V	I	R	E	...	I	Y	S	E	Q	N	D	DE	D	P	F	Y	M	D	L	G	E	V	A	R	Y	Q	W	K	E	L	L	MP	V	E	P	F	F	Y	A	V	K	C	N	D	D	K	L	L	T	L	A	L	G	T	G	F	D	C	A	S	K	A	E	I	E	L				
tr|M4TB00|M4TB00_TELCI	GEVD	A	I	S	M	C	Q	E	I	A	H	...	S	I	V	E	D	N	D	DE	D	F	M	L	V																																																		

	100	110	120	130	140	150	160	170	180	190																			
sp|P11926|DCOR_HUMAN	VQSLG	..V	PFRIIYANPCKQV	SOIKYAA	NNGVQM	MTFDS	EV	ELMKV	ARAH	PKA	..KLV	LRIATD	DS	..KA	VCRLSVK	F	GAT	LRT	..SRL	L	ER	AKEL	N	TD	VV				
tr|J3NYB2|J3NYB2_GAGT3	VLDMG	..V	DFRIIYAQPCKT	NSYVRYV	AQEGV	RQMTFDN	AD	ELHKI	AKLY	P	TA	..ELF	LRILT	DS	..SS	LCRLSMK	F	GAS	LDS	..TDG	L	RL	ARQ	L	GLNVV				
tr|B2VZL4|B2VZL4_PYRTR	VNLNG	..V	DFRIIYAQPCKT	KSYVRYA	AQSGV	KQMTFDN	AD	ELYKT	KQLF	P	DA	..ELY	LRILT	DS	..AS	LCRLSK	F	GAS	LDT	..TAE	L	EL	AKK	L	GLNVV				
tr|C1GYJ9|C1GYJ9_PARBA	ALDVG	..V	DFRIIYAQPCKT	KSYLRYA	SQGV	KQMTFDN	SD	ELYKI	KEMC	P	DA	..ELY	LRILT	DS	..AS	LCRLSMK	F	GAS	LSV	..ARS	L	EL	AKEL	K	LNVI				
tr|W9CS12|W9CS12_9HELO	VCLKG	..I	DFTRIYAQPCKT	NSYVRYA	EKG	GVKQMTFDN	GD	ELHKI	KKLF	P	GA	..ELF	LRIST	DS	..SS	LCRLSK	F	GAA	MDA	..TSD	L	L	A	RELD	L	GLNVV			
tr|W6QB16|W6QB16_PENRO	ALQTG	..I	DFRIIYAQPCKT	KSYLRYA	AEV	GVKQMTFDN	AD	ELYKI	KATF	P	EA	..ELY	LRILT	DS	..TS	LCRLSMK	F	GAS	MDQ	..ARP	L	L	E	AYKLD	L	GLNVV			
tr|A1CHB3|A1CHB3_ASPCL	ALETG	..I	DFRIIYAQPCKT	KSYLRYA	AQGV	RQMTFDN	AD	ELYKI	KACF	P	DA	..ELY	LRILT	DS	..TS	LCRLSMK	F	GAS	LDI	..ARQ	L	L	E	AEL	L	GLNVV			
tr|H1VCA7|H1VCA7_COLHI	VNLNG	..T	APRIIYAQPCKT	NSYVRYV	KAM	GVKQMTFDN	AD	ELRKI	AKLF	P	EA	..ELY	LRIMT	DS	..SS	LCRLSMK	F	GAA	KEA	..TND	L	L	E	AKDL	L	GLNVV			
tr|C6H1Z4|C6H1Z4_AJECH	ALGAG	..V	DFRIIYAQPCKT	KSYLRYA	SQGV	KQMTFDN	SD	ELYKI	KEMC	P	EA	..ELY	LRILT	DS	..AS	LCRLSMK	F	GAS	LSI	..TRS	L	L	E	AKEL	K	LNVI			
tr|G2WTZ9|G2WTZ9_VERDV	ILNMG	..L	APRIIYAQPCKT	NSYLRVY	K	TQGVKQMTFDN	AD	ELYKI	AKLY	P	GA	..ELF	LRIMT	DS	..SS	LCRF	SMK	F	GAS	KEI	..AGE	L	L	A	KDL	L	GLNVV		
tr|K1WA32|K1WA32_MARBU	VIKAD	..V	DFRIIYAQPCKT	NSYVRYV	AASHN	VKKMTFDN	AD	ELYKI	KKLY	P	GA	..ELF	LRIST	DS	..SS	LCRLSK	F	GAA	MDT	..TDG	L	L	A	LAKEL	L	GLNVV			
tr|C5GFH7|C5GFH7_AJEDR	ALGVG	..V	DFRIIYAQPCKT	KSYLRYA	SQGV	KQMTFDN	SD	ELYKI	KEMC	P	DA	..ELY	LRILT	DS	..AS	LCRLSMK	F	GAS	LSI	..ARS	L	L	E	AKEL	K	LNVI			
tr|J4UIB7|J4UIB7_BEAB2	VLAMG	..C	SFDFRIIYAQPCKT	NSYVRYV	KAA	GVKQMTFDN	TD	ELYKI	AKHF	P	DA	..ELY	LRIT	DDT	..SS	ACRLSMK	F	GAA	MDT	..TDS	L	L	A	LAKEL	L	GLNVV			
tr|E9E831|E9E831_METAQ	VAMG	..T	PFRIIYAQPCKT	NSYVRFV	KNA	GVKQMTFDN	AD	ELYKI	AKLY	P	EA	..ELF	LRIMT	DS	..SS	LCRLSMK	F	GAA	MDT	..TEG	L	L	E	AKN	L	GLNVV			
tr|E9F1W4|E9F1W4_METAR	VLAMG	..T	PFRIIYAQPCKT	NSYVRFV	KNA	GVKQMTFDN	AD	ELYKI	AKLY	P	EA	..ELF	LRIMT	DS	..SS	LCRLSMK	F	GAA	MDT	..TES	L	L	E	AKN	L	GLNVV			
tr|A0A010RRK5|A0A010RRK5_9PEZI	VLSMG	..T	APRIIYAQPCKT	NSYVRHV	KAM	GVKQMTFDN	AD	ELRKI	AKLF	P	EA	..ELY	LRIMT	DS	..SS	LCRLSMK	F	GAA	KEA	..TNE	L	L	E	AKDL	L	GLNVV			
tr|N4VJ33|N4VJ33_COLOR	VLSMG	..T	SFDFRIIYAQPCKT	NSYVRYV	KAM	GVKQMTFDN	AD	ELRKV	AKLF	P	DA	..ELF	LRIMT	DS	..SS	LCRLSMK	F	GAA	KDA	..TNE	L	L	E	AKDL	L	GLNVV			
tr|K2RJF9|K2RJF9_MACPH	VLMKG	..I	DFRIIYAQPCKT	NSYVRYA	AQ	NNVQMTFDN	AD	ELYKT	KKLF	P	DA	..ELY	LRILT	DS	..AS	LCRLSK	F	GAP	LDT	..TKD	L	L	E	ARK	L	GLNVV			
sp|P27121|DCOR_NEUCR	VRMG	..V	DFRIIYAQPCKT	KSYLRYV	AQ	QGVKQMTFDN	AD	ELRKI	ARLY	P	DA	..ELF	LRILT	DS	..SS	LCRF	SMK	F	GAS	LDS	..TDG	L	L	E	ARQ	L	GLNVV		
tr|C8V6I7|C8V6I7_EMENI	ALSTG	..V	DFRIIYAQPCKT	KSYLRHA	AKV	GVKQMTFDN	AD	ELYKI	KACY	P	EA	..ELY	LRILT	DS	..NS	LCQF	SMK	F	GAS	L	..ARQ	L	L	E	AHQ	L	GLNVV		
tr|L2FKD0|L2FKD0_COLGN	VLMGT	..V	APRIIYAQPCKT	NSYVRYV	KAM	GVKQMTFDN	AD	ELRKV	AKLF	P	EA	..ELY	LRIMT	DS	..SS	LCRLSMK	F	GAA	KED	..TNE	L	L	E	AKEL	L	GLNVV			
tr|G3JP44|G3JP44_CORMM	VLAMG	..C	SFDFRIIYAQPCKT	NSYVRYV	KAV	GVKQMTFDN	SD	ELYKI	AKHF	P	NA	..ELF	LRIT	DDT	..SS	ACRLSMK	F	GAA	MDT	..TDG	L	L	A	LAKEL	L	GLSVV			
tr|F0XRE0|F0XRE0_GROCL	VLMNG	..V	DFRIIYAQPCKT	NSYVRYV	AAG	GVKQMTFDN	AD	ELRKI	ARLF	P	DA	..ELF	LRILT	DS	..SS	LCRLSK	F	GAS	LDT	..TDS	L	L	A	AREL	L	GLNVV			
tr|S3BU11|S3BU11_OHPH1	VLMNG	..V	DFRIIYAQPCKT	NSYVRYV	AS	KGVKQMTFDN	AD	ELRKI	AKLY	P	EA	..ELF	LRILT	DS	..SS	LCRLSK	F	GAA	LDT	..TDN	L	L	A	AREL	L	GLNVV			
gi|374108170|gb|AEY97077.1|	VQLGL	..V	APRIIYANPCKV	SFIRFAA	AARGV	RQSTFDN	VE	ELYKI	ARFHP	P	ES	..QLL	LRIST	DS	..TAQ	CQLS	AKY	F	G	..CSP	DE	..VDP	L	L	E	AK	VAEL	L	GLNLV
gi|49524739|emb|CAG58345.1|	VLSMD	..V	NFRIIYANPCKA	SFIRYAA	TNKVM	KSFDFN	VE	ELHKI	KKFHP	P	ES	..QLF	LRIAT	DS	..TAQ	CRLS	TKY	F	G	..C	EMER	..VDS	L	L	E	C	IKT	L	GLNLV
sp|P08432|DCOR_YEAST	VLSMN	..I	SFDFRIYANPCKV	SFIRYAA	AKSNV	MKSFDFN	VE	ELHKI	KKFHP	P	ES	..QLL	LRIAT	DS	..TAQ	CRLS	TKY	F	G	..C	EMEN	..VDV	L	L	E	AK	IKEL	L	GLNLA
tr|W0TA90|W0TA90_KLUMA	VLSLG	..V	SFDFRIIYANPCKA	SFIRFAA	KNV	KKSFDFN	ID	ELYKI	KKYHP	P	DS	..ELL	LRIVT	DS	..TAQ	CRLS	TKY	F	G	..C	ELDD	..VPA	L	L	E	L	IKEL	L	GLNLV
sp|Q9UQW9|DCOR_SCHPO	ILGLG	..V	SFDFRIYANPCKA	IYVRYA	AASKG	INLMTFDN	AD	ELYKV	KQHH	P	NS	..RLL	LRIST	DS	..NS	LCRLSK	F	GAS	LDD	..TGK	L	L	D	IAKS	L	L	GLNVV		
tr|S9PVK1|S9PVK1_SCHOY	VLMNG	..V	SFDFRIYANPCKA	IYIRY	SASKG	IDLMTFDN	AD	ELYKV	KQHH	P	NA	..RLL	LRIST	DS	..GS	LCRLSK	F	GAS	LDD	..TGS	L	L	D	IAKS	L	L	GLNVV		
tr|B6JUV0|B6JUV0_SCHJY	ILSLG	..V	SFDFRIYANPCKA	IYIRYARN	NNV	DFMTFDN	TE	ELYK	CKQH	P	NA	..RLL	LRIST	NDE	..NS	ICRLSK	F	GAP	ME	..TEE	L	L	E	LRV	AKT	L	GLNVV		
tr|M7XLS3|M7XLS3_RHOT1	VGLG	..V	SFDFRIIYANPCKA	SFIRNA	AKCGV	DTMTFDN	AD	ELAKV	KKYHP	P	NA	..RMV	LRILT	DS	..SS	LCRLG	K	F	GAP	..VRL	L	L	E	AK	Q	L	GLNVV		
tr|V2WL65|V2WL65_MONRO	VLVGG	..I	GFDFRIIFANPCKA	SFIRNA	AKMGV	DMTFDN	CD	ELYK	VART	P	HS	..KLV	VRILT	DDT	..RS	VCQLG	LK	F	GAS	LVT	..VPG	L	L	E	AK	Q	L	GLNVV	
tr|L8WQE8|L8WQE8_THACA	VVLGL	..V	DFRIIFANPCKAT	SFVRHA	AKSGV	DMTFDN	QD	ELFKI	ARAH	P	KA	..KLV	VRILT	DS	..KS	LCRLG	K	F	GAP	LVT	..VPG	L	L	E	AK	Q	L	GLDVI	
tr|K4GFQ0|K4GFQ0_CALMI	VQSLG	..I	PVFEKIIYANPCKQ	ASQIKYA	AAHGV	QLMTFDS	EV	ELMKV	ARCH	P	EA	..KLV	VRILT	DS	..KA	VCRLSVK	F	GAT	LKT	..CRL	L	L	E	AKEL	K	LDVI			
tr|Q9DGJ4|Q9DGJ4_DANRE	VQSVG	..V	DFRIIYANPCKQ	VQIKYA	SAHGV	QM	MTFDS	EV	ELMKV	ARSH	P	NA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKS	..SRL	L	L	E	AKEL	K	LDVI		
tr|Q6XQV9|Q6XQV9_PAROL	VQSLG	..V	DFRIIYANPCKQ	VQIKYA	SAHGV	QM	MTFDS	EV	ELMKV	ARCH	P	NA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAP	LKA	..CRG	L	L	E	AKEL	K	LDVI		
tr|B5X175|B5X175_SALSA	VQSLG	..V	DANRIIYANPCKQ	VQIKYA	SAHGV	QM	MTFDS	DV	ELMKV	ARYH	P	DA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKA	..CRG	L	L	E	AKEL	K	LDVI		
tr|C7BBC1|C7BBC1_ONCMY	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	KA	VCRLSVK	F	GAT	LKA	..CRG	L	L	E	AKEL	K	LDVI		
sp|P00860|DCOR_MOUSE	VQGLG	..V	PAERVIYANPCKQ	VQIKYA	ASNGV	QM	MTFDS	EI	ELMKV	ARAH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	N	IDVI		
sp|P14019|DCOR_CRIGR	VQGLG	..V	PFERVIYANPCKQ	VQIKYA	ASNGV	QM	MTFDS	EI	ELMKV	ARAH	P	KV	TKLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LRT	..SRL	L	L	E	AKEL	N	IDVI		
sp|P09057|DCOR_RAT	VQGLG	..V	PFRIIYANPCKQ	VQIKYA	ASNGV	QM	MTFDS	EI	ELMKV	ARAH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	N	IDVI		
sp|P27117|DCOR_BOVIN	VQSLG	..V	PFERVIYANPCKQ	VQIKYA	ANNNGV	QM	MTFDS	EV	ELMKV	ARAH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	L	IDVI		
tr|D0G783|D0G783_PIG	VQSLG	..V	PFERVIYANPCKQ	VQIKYA	ANNNGV	QM	MTFDS	EV	ELMKV	ARAH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	L	IDVI		
tr|S7MV92|S7MV92_MYOBR	VQSLG	..V	PFERVIYANPCKQ	VQIKYA	ANNNGV	QM	MTFDS	EV	ELMKV	ARAH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	L	IDVI		
tr|S9WGP8|S9WGP8_9CETA	VQSLG	..V	PFERVIYANPCKQ	VQIKYA	ANNNGV	QM	MTFDS	EV	ELMKV	ARAH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	L	IDVI		
tr|G9KEH8|G9KEH8_MUSPF	VQSLG	..V	PFERVIYANPCKQ	VQIKYA	ANNNGV	QM	MTFDS	EV	ELMKV	ARAH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKI	..SRL	L	L	E	AREL	N	IDII		
tr|L5LT03|L5LT03_MYODS	VQSLG	..V	PFERVIYANPCKQ	VQIKYA	ANNNGV	QM	MTFDS	EV	ELMKV	ARAH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	N	IDVI		
sp|P27118|DCOR_CHICK	VQSIG	..V	PFERVIYANPCKQ	VQIKHA	ANSNGV	RM	MTFDS	EV	ELMKI	ARPH	P	KA	..KLL	LRIT	DDT	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	L	LAIV		
tr|J3S4T4|J3S4T4_CROAD	VQSIG	..V	SFDFRIIYANPCKQ	VQIKHA	ANNNGV	QM	MTFDS	EV	ELMKI	ARPH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKN	..SRL	L	L	E	AKEL	L	LDHI		
tr|V8NZ37|V8NZ37_OPHTA	VQSIG	..V	SFDFRIIYANPCKQ	VQIKHA	ANNNGV	QM	MTFDS	EV	ELMKI	ARPH	P	KA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKN	..SRL	L	L	E	AKEL	L	LDHI		
sp|P27120|DCOR1_XENLA	VQSIG	..V	SFDFRIIYANPCKQ	VQIKYA	ASCGV	EK	MTFDS	EV	ELMKV	ARNHP	P	NA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	N	VDII		
tr|Q6GLE9|Q6GLE9_XENTR	VQSIG	..V	SFDFRIIYANPCKQ	VQIKYA	ASCGV	EK	MTFDS	EV	ELMKV	ARNHP	P	NA	..KLV	LRIAT	DS	..KA	VCRLSVK	F	GAT	LKT	..SRL	L	L	E	AKEL	N	VDII		
sp|P40807|DCOR1_DROME	VLGFD	..V	SFDFRIIFANPCKP	SHLEYA	KEHQV	SNGTVDN	EF	EVYKL	H	THYP	P	NS	..NLI	VRFK	SEAK	..EAQ	CPLG	K	F	G	..CD	AD	..VDA	AA	MLL	AKS	L	GLKVT	
sp|P41931|DCOR_CAEL	VMGTF	..V	SAERIIYANPCKTR	SFIAHAM	DRDVK	M	MTFDN	PE	ELRKI	AKLHP	P	NA	..EMI	LRIT	AVSDP	..TAT	CPLN	K	F	G	..AD	PI	..IAA	Q	L	KT	AS	E	GLNVV
tr|A0A034WJY6|A0A034WJY6_BACDO	ALEAG	..A	KSDDIIFANPCKPP	SHLQYA	KEKN	IMAS	TVDTEF	EIYKI	FEHY	P	ES	..NLV	IRFR	CEAK	..VAQ	CPLG	K	F	G	..CC	DA	..E	AKD	AA	MLL	AKS	L	GLSVI	
tr|Q27702|Q27702_MUSDO	VLDLG	..V	HDFRIIFAPQCKPI	SHLEYA	KEGM	VMTSTVDTEF	EIHKL	H	KHFP	P	ES	..NLV	IRFR	CEAK	..VAQ	CPLG	K	F	G	..CC	DA	..E	AKD	AA	MLL	AKS	L	GLSVI	
tr|U1MTI3|U1MTI3_ASCSU	AVKLL	..V	STEKIVYANPCKT	RGFIAH	AEAGV	KRM	MTFDS	VE	ELTKI	KQNH	P	AD	..S	LI	LRIS	VSDP	..TAQ	CQLG	K	F	G	..CD	PE						

	200	210	220	230	240	250	260	270	280																
sp|P11926|DCOR_HUMAN	GVSFHVGS	CTDPET	FVQAIS	DARCV	FDMGAE	EVGFS	MYL	LDIGGGF	PGSE	VDKLF	FEETG	VINP	ALDK	YFF	SDSG	VR	IAEPGR	YVVA	SAFTLA						
tr|J3NYB2|J3NYB2_GAGT3	GVSFHVGS	GAADP	LAFLK	AVRAD	TVFA	QAA	AHGF	DMKT	LDVGGGF	CSDE	FEAMAG	VL	RDAL	EYFP	HRN	VAL	IAEPGR	YVVA	SAFTIA						
tr|B2VZL4|B2VZL4_PYRTR	GVAFHVGS	GAADP	KAFIK	AVR	DFV	QAA	ALGF	NMHT	LDVGGGF	TGDV	TFEPM	AAVL	SAAL	DEYFP	HIR	VI	EPGR	YVVA	TAFTLA						
tr|C1GYJ9|C1GYJ9_PARBA	GVSFHVGS	GAADP	KSFVK	AVE	DSRF	VFD	QAA	EVGF	DLKV	LDVGGGF	SED	FEF	FAATL	SDAL	DEYFP	HIR	IAEPGR	YVVA	SAFTLA						
tr|W9CS12|W9CS12_9HELO	GVSFHVGS	GAADP	LAFLK	AVQ	DAHT	VFE	QAR	TYGY	YMH	LDVGGGF	CTE	FEK	MAA	ALGD	ALDE	YMP	KH	IGEPGR	YVVA	NAFTLA					
tr|W6QB16|W6QB16_PENRO	GVSFHVGS	GAADP	RAFL	EA	VQ	DART	VFD	HAE	EIGH	ELHT	LDVGGGF	CQD	FEK	FAG	ILGE	AVD	YFP	NR	IAEPGR	YVVA	TAFTLA				
tr|A1CHB3|A1CHB3_ASPCL	GVSFHVGS	GAADP	RAFL	EA	VQ	DART	VFD	QAA	EVGH	ELHT	LDVGGGF	SQD	FEF	FAG	ILGE	ALD	YFP	HIR	IAEPGR	YVVA	SALTIA				
tr|H1VCA7|H1VCA7_COLHI	GVSFHVGS	GAADP	MAFY	KAVY	DAYE	VFE	QGR	AYGF	EMKT	LDIGGGF	CGD	FE	MAA	VL	RGAL	DEYFP	SSNV	IAEPGR	YVVA	SAFTIA					
tr|C6H1Z4|C6H1Z4_AJECH	GVSFHVGS	GAADP	RSFVK	AVE	DSRY	VFD	QAA	EVGF	DLKV	LDVGGGF	SED	FE	FAATL	GDAL	DEHFP	HIR	IAEPGR	YVVA	SAFTLA						
tr|G2WTZ9|G2WTZ9_VERDV	GVSFHVGS	GAADP	MAFY	KAVH	DSYL	VFE	QGR	AFGF	NMKT	LDIGGGF	CDD	FE	MAA	VL	RGAL	DEYFP	SSNV	IMAEPGR	YVVA	SAFTIA					
tr|K1WA32|K1WA32_MARBU	GVSFHVGS	GAADP	IAYL	KA	VQ	DART	VFD	QAS	VHGF	SLHT	LDIGGGF	VSE	FE	MAAS	VL	RSAL	DEYMP	SH	IGEPGR	YVVA	SAFTLA				
tr|C5GFH7|C5GFH7_AJEDR	GVSFHVGS	GAADP	RSFVK	AVE	DSRY	VFD	QAA	EAGF	DLKV	LDVGGGF	SED	FE	FAATL	SDAL	DEHFP	HIR	IAEPGR	YVVA	SAFTLA						
tr|J4UIB7|J4UIB7_BEAB2	GVSFHVGS	GAADP	MAFY	HA	VK	DAHL	VFQ	QAA	EHGF	HLRT	LDVGGGF	SGA	FE	VNA	VL	SGAL	DEL	FPA	SSNV	IE	EPGR	YVVA	SAFTIA		
tr|E9E831|E9E831_METAQ	GVSFHVGS	GAADP	LAFL	KA	AVR	DAHT	VFQ	QAA	EFGF	AMRT	LDVGGGF	CGD	FE	MSG	VL	RDAL	DEFFPA	GNG	ID	IAEPGR	YVVA	TAFTIA			
tr|E9F1W4|E9F1W4_METAR	GVSFHVGS	GAADP	LAFL	KA	AVR	DAHT	VFQ	QAA	EFGF	AMRT	LDVGGGF	CGD	FE	MSG	VL	RDAL	DEFFPA	GNG	ID	IAEPGR	YVVA	TAFTIA			
tr|A0A010RRK5|A0A010RRK5_9PEZI	GVSFHVGS	GAADP	MAFY	KAVY	DAYE	VFE	QAR	AYGF	EMKT	LDIGGGF	CGD	FE	MAA	VL	RGAL	DEYFP	SSNV	IMAEPGR	YVVA	SAFTIA					
tr|N4VJ33|N4VJ33_COLOR	GVSFHVGS	GAADP	MAFY	KAVY	DAYE	VFE	QGR	AYGF	QMK	T	LDIGGGF	CGD	FE	MAA	VL	RGAL	DEYFP	SSNV	IMAEPGR	YVVA	SAFTIA				
tr|K2RJF9|K2RJF9_MACPH	GVAFHVGS	GAADP	QA	FIR	AVE	DART	VFD	QAE	QLGF	NMHT	LDVGGGF	S	FE	MAA	VL	SEAL	DAHFP	Q	HIR	VI	EPGR	YVVA	SAFNIA		
sp|P27121|DCOR_NEUCR	GVSFHVGS	GAADP	TAFL	KA	AVR	DAHT	VFQ	QAA	AYGY	SLKT	LDVGGGF	CSDD	FE	MAA	VL	RAAL	DEYFP	HTG	VN	IAEPGR	YVVA	SAFTLA			
tr|C8V6I7|C8V6I7_EMENI	GVSFHVGS	GAADP	KAFL	KA	AVR	DAHT	VFD	QAA	EIGH	ELHT	LDVGGGF	TGE	FE	FAA	VL	DSAL	EYFP	NR	IAEPGR	YVVA	GAF	TAFTLA			
tr|L2FKD0|L2FKD0_COLGN	GVSFHVGS	GAADP	MAFY	HA	VK	DAHL	VFQ	QAA	EHGF	HLRT	LDVGGGF	SGA	FE	VNA	VL	SGAL	DEL	FPA	SSNV	IE	EPGR	YVVA	SAFTIA		
tr|G3JP44|G3JP44_CORMM	GVSFHVGS	GAADP	MAFY	HA	VK	DAHL	VFQ	QAA	NHGF	HLRT	LDVGGGF	SGA	FE	VNA	VL	SGAL	DEL	FPA	TSN	VE	IAEPGR	YVVA	SAFTIA		
tr|F0XRE0|F0XRE0_GROCL	GVSFHVGS	GAADP	SAFL	KA	AVR	DAHT	VFQ	QAA	EYGY	SLKT	LDVGGGF	CSDA	FE	MAA	VL	RNAL	DEYFP	HRG	VS	IAEPGR	YVVA	SAFTIA			
tr|S3BU11|S3BU11_OHPH1	GVSFHVGS	GAADP	NAFL	KA	AVR	DAHT	VFN	QAA	SYGY	ILKT	LDVGGGF	CSDE	FE	MAG	VL	GRAL	DEYFP	HLG	VN	IAEPGR	YVVA	SAFSLA			
gi|347108170|gb|AEY97077.1|	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	RAA	HFGL	PA	LRV	LDVGGGF	QFD	FE	HQS	SA	IL	NAAL	THFP	PG	SG	VE	IAEPGR	YVVA	TAFTLS
gi|49524739|emb|CAG58345.1|	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	RAA	HFGL	PA	LRV	LDVGGGF	QFD	FE	HQS	SA	IL	NAAL	THFP	PG	SG	VE	IAEPGR	YVVA	TAFTLS
sp|P08432|DCOR_YEAST	GVSFHVGS	GAADP	STSLY	KA	AVR	DAHT	VFD	KAANEY	GLP	PLK	LDVGGGF	QFE	FE	ST	AVL	RLAL	DEFFP	VGC	VD	IAEPGR	YVVA	TAFTLA			
tr|W0TA90|W0TA90_KLUMA	GVSFHVGS	GAADP	STIT	QAV	DA	RR	VFD	MAE	CMGL	AP	LKV	LDVGGGF	QFE	FE	ST	AVL	RLAL	DEFFP	THSHV	Q	IAEPGR	YVVA	TAFTLA		
sp|Q9UQW9|DCOR_SCHPO	GVSFHVGS	GAADP	SAFL	DA	IQR	SRQ	VFD	QGL	ERGF	NFD	LDIGGGF	MND	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	SSFTLA	
tr|S9PVK1|S9PVK1_SCHOY	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|B6JUV0|B6JUV0_SCHJY	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|M7XLS3|M7XLS3_RHOT1	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|V2WL65|V2WL65_MONRO	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|L8WQE8|L8WQE8_THACA	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|K4GFQ0|K4GFQ0_CALMI	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|Q9DGG4|Q9DGG4_DANRE	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|Q6XQV9|Q6XQV9_PAROL	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|B5X175|B5X175_SALSA	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|C7BBC1|C7BBC1_ONCMY	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P00860|DCOR_MOUSE	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P14019|DCOR_CRIGR	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P09057|DCOR_RAT	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P27117|DCOR_BOVIN	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|D0G783|D0G783_PIG	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|S7MV92|S7MV92_MYOBR	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|S9WGP8|S9WGP8_9CETA	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|G9KEH8|G9KEH8_9CETA	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|L5L703|L5L703_MYODS	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P27118|DCOR_CHICK	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|J3S4T4|J3S4T4_CROAD	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|V8NZ37|V8NZ37_OPHTA	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P27120|DCOR1_XENLA	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|Q6GLE9|Q6GLE9_XENTR	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P40807|DCOR1_DROME	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P41931|DCOR_CAEL	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|A0A034WJY6|A0A034WJY6_BACDO	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|Q27702|Q27702_MUSDO	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|U1M7I3|U1M7I3_ASCSU	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|A0A026WM66|A0A026WM66_CERBI	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|W5J4G7|W5J4G7_ANODA	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|G6D2E4|G6D2E4_DANPL	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|W8BLC9|W8BLC9_CERCA	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
sp|P49725|DCOR_PANRE	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|Q1HPR3|Q1HPR3_BOOMO	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|M4TB00|M4TB00_TELCI	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	
tr|B7T184|B7T184_HALDV	GVSFHVGS	GAADP	SSIT	QAV	DA	RR	VFD	QGL	DRGF	NFD	LDIGGGF	SSE	FE	DG	VAD	LIR	SAL	TYFP	S	IR	VE	EPGR	YVVA	NAFTLA	

	290	300	310	320	330	340	350	
sp|P11926|DCOR_HUMAN	VNIIAKKI	VLKEQTGSDDDEESS	EQTF	MYVNDGVYGSFN	CILYDHA	HVKPL	LQKRPKPDEKYYSSS	
tr|J3NYB2|J3NYB2_GAGT3	CNVIARRT	LEDP.....ANAAAGIVAN	.PSY	MYINDGLYGNFS	IMFDH	QHPVAK	LSSSGTLTYNTSAAQAADEG	
tr|B2VZL4|B2VZL4_PYRTR	CHVIARRT	VNDL.....TLG.TTSY	MYMNDGVYGNFS	IIFD	QHPVPR	VLKNGNDVLYDVRSSGYDTPS	QVEYS	
tr|C1GYJ9|C1GYJ9_PARBA	VNVIARRD	VLSLEMSD.....SDSTAGATEAY	MYLNDGVYGNFS	NIIFDH	QHPVPQ	ILTMES	RVCAP	
tr|W9CS12|W9CS12_9HELO	CNVIARRT	VEDP.....VSLEKSY	MYLNDGLYGNFS	IMFDH	QTPIAQ	VLRTGNCYFDTRASYETPEGT	EYS	
tr|W6QB16|W6QB16_PENRO	ANVIARRD	IF.....HPDDPSRDAF	MYLNDGVYGNFS	NIIFDH	QHPVAQ	ILTCASDGSQPASPNSATSE	ITYS	
tr|A1CHB3|A1CHB3_ASPCL	ANVIARRD	LR.....DPEDPANDAY	MYLNDGVYGNFS	NIIFDH	QHPVAK	ILTRSG.GPQPIAPNAATSEG	IAYS	
tr|H1VCA7|H1VCA7_COLHI	CNIIARRT	VDDP.....TLN.EKRY	MYVNDGLYGNFS	IMFDH	QHPVAK	ILRAGSSTVYDTSANACPDGE	GIRYS	
tr|C6H1Z4|C6H1Z4_AJECH	ANVIARRD	VLSLEMSD.....SDSTSSATEAY	MYLNDGVYGNFS	NIIFDH	QHPVPQ	ILTMES	PVCTP	
tr|G2WTZ9|G2WTZ9_VERDV	CNVIARRT	VDDP.....TPADDKSY	MYVNDGLYGNFS	IMFDH	QHPVAK	ILRTSARTLFDHPPAANACPEQ	GTRY	
tr|K1WA32|K1WA32_MARBU	CHIIARRT	IEMP.....TG.EKSY	MYLNDGLYGNFS	IMFDH	QKPQAO	VLRTGNQTLFNNVAAQESVNGT	EYS	
tr|C5GFH7|C5GFH7_AJEDR	ANVIARRD	VLSLEMSD.....SASTDSATEAY	MYLNDGVYGNFS	NIIFDH	QHPVPQ	ILTMGS	PVCTP	
tr|J4UIB7|J4UIB7_BEAB2	CNVIARRT	VDDP.....ATG.ATSY	MYINDGVYGNFS	IMFDH	QHPVAK	ILRRDGETVYDTALARPVDG	IEYS	
tr|E9E831|E9E831_METAQ	CNIIARRT	VEDP.....TLD.GKGY	MYINDGVYGNFS	IMFDH	QHPVAK	ILRSNGRTLYNTASANACNAGE	GVEYS	
tr|E9F1W4|E9F1W4_METAR	CNIIARRT	VDDP.....TLD.GKGY	MYINDGVYGNFS	IMFDH	QHPVAK	ILRSNGRTLYNTASANACNAGE	GVEYS	
tr|A0A010RRK5|A0A010RRK5_9PEZI	CNIIARRT	VDDP.....SLG.EKRY	MYVNDGLYGNFS	IMFDH	QHPVAK	ILRAGPQTMYDTSANACPDGE	GIRYS	
tr|N4VJ33|N4VJ33_COLOR	CNIIARRT	VEDP.....AAEGEKRY	MYVNDGLYGNFS	IMFDH	QHPVAK	ILRSGPATLYDCPSANACPDGE	GIRYS	
tr|K2RJF9|K2RJF9_MACPH	CNVIARRT	VRDE.....QLD.TTSY	MYLNDGVYGNFS	IMFDH	QHPVPR	ILKSGDRFLYDQESCEFDVDGRR	PIDYS	
sp|P27121|DCOR_NEUCR	CNIIARRT	IQDGSASVSDSSMSDDGSVNNGDARY	MYVNDGLYGNFS	IMFDH	QHPVAK	ILRAGGRMTMNSVAAHESAE	AIYS	
tr|C8V6I7|C8V6I7_EMENI	CNIIARRT	VQ.....DPENPSKDAY	MYLNDGVYGNFS	NIIFDH	QHPVAK	ILRSGPATLYDCPSANACPDGE	GIRYS	
tr|L2FKD0|L2FKD0_COLGN	CNIIARRT	VDEP.....SLN.EKRY	MYLNDGLYGNFS	IMFDH	QHPVAK	ILRAGPATVYDCPSANACPDGE	GVRYS	
tr|G3JP44|G3JP44_CORMM	CNVIARRA	VDDP.....TTG.VTSY	MYINDGVYGNFS	NIIFDH	QHPVAK	ILRRNGETVYDTAITGPAVDG	IEYS	
tr|F0XRE0|F0XRE0_GROCL	CNVIARRT	VENPPQQ.....QOREDAVDGIVAPADPTY	MYLNDGLYGNFS	IMFDH	QHPVAK	ILQTSRFLYDSETANAVAPTS	GLEYS	
tr|S3BU11|S3BU11_OHPF1	CNIIARRT	LEDP.....KAASGPEGVAAP	.PSY	MYVNDGLYGNFS	IMFDH	QHPVAK	ILQSGERFHYNTEAANGTAEQGR	GTEYS
gi|374108170|gb|AEY97077.1|	SHVIAKRL	PER.....GS	MYINDGIYANMN	CILFDH	YQPTPR	LYHAAAFHYFDTTSSKS	RTAACPHRTS	
gi|49524739|emb|CAG58345.1|	ANVIAKRL	NEA.....ES	MYVNDGVYGNMN	CILFDH	QHPVAK	ILRAGPATVYDCPSANACPDGE	GIRYS	
sp|P08432|DCOR_YEAST	SHVIAKRL	SEN.....EA	MYTNDGVYGNMN	CILFDH	QHPVAK	ILRAGPATVYDCPSANACPDGE	GIRYS	
tr|W0TA90|W0TA90_KLUMA	ATVIGKRI	SGPN.....ES	MYINDGVYGNMN	CILFDH	QHPVPR	ILYHRKEFHLYLDFESSSR	IQSGGHPYKVS	
sp|Q9UQW9|DCOR_SCHPO	VNVIARRK	LDE.....EKV	MYVNDGVYGS LN	CILFDH	QHPVAR	ILKCGSRFVYNDLVGTGQ	HRCF	
tr|S9PVK1|S9PVK1_SCHOY	VNVIARRK	LDE.....EKV	MYVNDGVYGS LN	CILFDH	QHPVAR	ILKCGSRFVYNDLVGTGQ	HRCF	
tr|B6JUV0|B6JUV0_SCHJY	VNVVAKRI	PEE.....NKV	MYVNDGVYGS LN	CILFDH	QHPVAR	ILKCGSRFVYNDLVGTGQ	HRCF	
tr|M7XLS3|M7XLS3_RHOT1	TNIIARRA	AREGTND.....ASMLELAGVDDEEAKPVT	MYINDGVYGS FN	IMFDH	QVHHPH	VLTLAGDFHDGPVLSQDADFEE	CS	
tr|V2WL65|V2WL65_MONRO	ANIIARRA	PFPEA.....APQLEEPANQPGV	MYINDGVYGS FN	IMFDH	QVHHPH	VLTLAGDFHDGPVLSQDADFEE	CS	
tr|L8WQE8|L8WQE8_THACA	ANVIAR	HY	INDGVYGS FN	IMFDH	QVHHPH	VLTLAGDFHDGPVLSQDADFEE	CS	
tr|K4GFQ0|K4GFQ0_CALMI	VNIIAKKL	VFNEQAGSDDDEEDGSD	EGTF	MYVNDGVYGS FN	CILFDH	AVHMPV	LKRRKQSDKLYSNS	
tr|Q9DGJ4|Q9DGJ4_DANRE	VNIIAKKV	IMKEQASDDEEDVSN	DRTL	MYVNDGVYGS FN	CILYDHA	AVHLP	LHKKPKPDERMYPCS	
tr|Q6XQV9|Q6XQV9_PAROL	VNIIAKKV	IMDEDSVSDDEEDGN	DRTL	MYVNDGVYGS FN	CILYDHA	AVHLP	LHKKPKPDERMYPCS	
tr|B5X175|B5X175_SALSA	VNIIAKKV	IMNEQASDDEEDDDWTS	DRTL	MYVNDGVYGS FN	CILYDHA	AVHLP	LHKKPKPDERMYPCS	
tr|C7BBC1|C7BBC1_ONCMY	VNIIAKKV	IMNEQASDDEEDDDWTS	DRTL	MYVNDGVYGS FN	CILYDHA	AVHLP	LHKKPKPDERMYPCS	
sp|P00860|DCOR_MOUSE	VNIIAKKT	VWKEQPGSDDDEESN	EQTF	MYVNDGVYGS FN	CILYDHA	AVKAL	LQKRPKPDEKYYSSS	
sp|P14019|DCOR_CRIGR	VNIIAKKI	VSK.....GSDDEESS	EQTF	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
sp|P09057|DCOR_RAT	VNIIAKKT	VWKEQPGSDDDEESN	EQTF	MYVNDGVYGS FN	CILYDHA	AVKAL	LQKRPKPDEKYYSSS	
sp|P27117|DCOR_BOVIN	VNIIAKKL	VLKEQTSDDDEEES	DRTF	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
tr|D0G783|D0G783_PIG	VNIIAKKL	VLKEQTSDDDEEES	EQTF	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
tr|S7MV92|S7MV92_MYOBR	VNIIAKKL	VLKEQTSDDDEEES	EKTf	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
tr|S9WGP8|S9WGP8_9CETA	VNIIAKKL	VLKEQTSDDDEEES	EKTf	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
tr|G9KEH8|G9KEH8_MUSPF	VNIIAKKL	VLKEQTSDDDEEES	EKTf	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
tr|L5LT03|L5LT03_MYODS	VNIIAKKL	VLKEQTSDDDEEES	EKTf	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
sp|P27118|DCOR_CHICK	VNIIAKKI	VSKQTSDDDEEDVN	DKTL	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
tr|J3S4T4|J3S4T4_CROAD	VNIIAKKI	VIKEQTSDDDEEELN	DKTL	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
tr|V8NZ37|V8NZ37_OPHTA	VNIIAKKI	VIKEQTSDDDEEELN	DKTL	MYVNDGVYGS FN	CILYDHA	AVKPL	LQKRPKPDEKYYSSS	
sp|P27120|DCOR1_XENLA	VNIIAKKV	VNNEQSGSDDDEEDAN	DKTL	MYVNDGVYGS FN	CILFDH	AVKPL	LQKRPKPDEKYYSSS	
tr|Q6GLE9|Q6GLE9_XENTR	VNIIAKKV	VNNEQSGSDDDEEDAN	DKTL	MYVNDGVYGS FN	CILFDH	AVKPL	LQKRPKPDEKYYSSS	
sp|P40807|DCOR1_DROME	CKIHAKR	..EIRNEAG.....KLDTV	MYINDGVYGS FN	CILYDHA	QVIAEH	YLDNA	ESLPHLKS	
sp|P41931|DCOR_CAEEL	ANIHATE	VPAASKITKDKPCAD	HGY	MYINDGVYGS FN	CILFDH	QVIAEH	YLDNA	
tr|A0A034WJY6|A0A034WJY6_BACDO	CKIHAKR	..EVRAGK.....MVDVK	MYINDGVYGS FN	CILYDHA	QVIAEH	YLDNA	ESLPHLKS	
tr|Q27702|Q27702_MUSDO	CKIHAKG	..EARLNG.....KLLTK	MYINDGVYGS FN	CILYDHA	QVIAEH	YLDNA	ESLPHLKS	
tr|U1M7I3|U1M7I3_ASCSU	TNVIIGVR	VPAERISKTG.TTHH	DGF	MYMNEGIYGS FN	CILYDHA	QVIAEH	YLDNA	
tr|A0A026WM66|A0A026WM66_CERBI	SYLHSKR	VARRNGK.....VMR	MYINVTGYS FN	CILYDHA	QVIAEH	YLDNA	ESLPHLKS	
tr|W5J4G7|W5J4G7_ANODA	STIQGKKV	YIDPEFGQ.....RERL	RLC.TTSMTCGLGR	CLTG	.....	.....	.....	
tr|G6D2E4|G6D2E4_DANPL	TLVHAKR	LPAD.GE.....EDPHT	MYINDGVYGS FN	CILYDHA	QVIAEH	YLDNA	ESLPHLKS	
tr|W8BLC9|W8BLC9_CERCA	CKIHAKR	..EIRSGK.....KADLK	MYINDGVYGS LN	CILYDHA	QVIAEH	YLDNA	ESLPHLKS	
sp|P49725|DCOR_PANRE	TNVIASVK	VPAASRITEKADDVNR	DGY	MYMNDGVYGS FN	CILFDH	QVIAEH	YLDNA	
tr|Q1HPR3|Q1HPR3_BOOMO	AMVHSKR	IPAKEGED.....ADHT	MYINDGVYGS FN	CILYDHA	QVIAEH	YLDNA	ESLPHLKS	
tr|M4TB00|M4TB00_TELCI	CNIIHATE	VSAEKITKRPEDVDH	RGF	MYVNDGVYGS FN	CILFDH	QVIAEH	YLDNA	
tr|B7T184|B7T184_HALDV	ANIIAKRM	VARDKSNDHEHLPDQVVT	GDDEPAS	MYINDGVYGS FN	CILFDH	QVIAEH	YLDNA	

360 370 380 390 400 410 420 430 440 450

sp|P11926|DCOR_HUMAN TCDGLDRIIVERCDLPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.TIYYVMSGPAWQLMQQFQNPDPFPPEVE.EQDASTLPVSCAWESGMKRHRRAAC

tr|J3NYB2|J3NYB2_GAGT3 TCDGIDRISSESVRFQGT.IDVGDWLYFEDMGAYTKCSATRFNGFSDSHDVVYVCSSEPAARAML.MNFA.....

tr|B2VZL4|B2VZL4_PYRTR TCDGIDVISSSCTFPFL.LDVGDWLYFEEFMGAYTKCSATRFNGFSDSHDVVYVCSSEAGAAALMGM.....

tr|C1GYJ9|C1GYJ9_PARBA TCDGIDLICERIALPGA.LDVGWNWLYFENMGAYTKCSATRFNGFTDKHEVIYISTEPSATALLEFSNDL.....

tr|W9CS12|W9CS12_9HELO TCDGIDRISASIRFDHN.LDVGDWLYFENMGAYTKCSATRFNGFTDSHDVIYVSEEPGVNALLET.....

tr|W6QB16|W6QB16_PENRO TCDGIDVISISIALPGL.LDVGDWLYFEEFMGAYTKCSATRFNGFSDNHEVIYISTEPGASALLNY.....

tr|A1CHB3|A1CHB3_ASPCL TCDGIDVITQRIVLPG.L.LDVGDWLYFEEFMGAYTKCSATRFNGFSDNHEVIYISTEPGATALLEY.....

tr|H1VCA7|H1VCA7_COLHI TCDGIDRITETISFEQLDVGDWLYFEDMGAYTKCSATRFNGFSNEHDVIYVSEEPGAKALLNI.....

tr|C6H1Z4|C6H1Z4_AJECH TCDGIDLITERRITLPGA.LDVGWNWLYFENMGAYTKCSATRFNGFTDKHEVIYISTEPSATALLGYS.....

tr|G2WTZ9|G2WTZ9_VERDV TCDGIDRITETISFEHE.LDVGDWLYFEDMGAYTKCSATRFNGFSDDDHVIYVSEEPGARALLGL.....

tr|K1WA32|K1WA32_MARBU TCDGIDRISSEIRFDHT.LDVGDWLYFEEFMGAYTKCSATRFNGFSDAHEVVYVASEPGARALLGMN.....

tr|C5GFH7|C5GFH7_AJEDR TCDGIDLITERTTLPGA.LDVGWNWLYFENMGAYTKCSATRFNGFTDKHEVIYISTEPSATALLEYSNDI.....

tr|J4UIB7|J4UIB7_BEAB2 TCDGIDRITESTHFAGL.VDVGDWLYFEEFMGAYTKCSATRFNGFSNAHDVIYVSEPAVNALVSI.....

tr|E9E831|E9E831_METAQ TCDGIDRISSEIRFETI.LNVGDWLYFEDMGAYTKCSATRFNGFSNSHDVIYVSEPGAKFLLNM.....

tr|E9F1W4|E9F1W4_METAR TCDGIDRISSEIRFETI.LNVGDWLYFEDMGAYTKCSATRFNGFSNSHDVIYVSEPGAKFLLNM.....

tr|A0A010RRK5|A0A010RRK5_9PEZI TCDGIDRITETISFEHE.LDVGDWLYFEDMGAYTKCSATRFNGFPDSHDVLVYVSEPGAKALLNM.....

tr|N4VJ33|N4VJ33_COLOR TCDGIDRITETISFEHE.LDVGDWLYFEDMGAYTKCSATRFNGFSDDDHVIYVSEPGAKALLGL.....

tr|K2RJF9|K2RJF9_MACPH TCDGIDCIAEKASFAEE.IDVGDWLYFEDMGAYTKCSATRFNGFTDKHETIYVSEPGASALLDM.....

sp|P27121|DCOR_NEUCR TCDGIDRITETISFEHE.LDVGDWLYFEDMGAYTKCSATRFNGFSNEHDVIYVSEPGAMALLGL.....

tr|C8V6I7|C8V6I7_EMENI TCDGIDVISQRSVLPG.L.LDVGDWLYFEEFMGAYTRCSATRFNGFSDNHEVIYISTEAGASALLLEY.....

tr|L2FKD0|L2FKD0_COLGN TCDGIDRITETISFEHE.LDVGDWLYFEDMGAYTKCSATRFNGFSSTASPIITTSSTSAASVPRPSSRSEQEARGHQNTFFPLKATAHGGDANE.....

tr|G3JP44|G3JP44_CORMM TCDGIDRITDSTRFTHL.VDVGDWLYFEDMGAYTKCSATRFNGFSNAHDVIYVSEPTINALMGM.....

tr|F0XRE0|F0XRE0_GROCL TCDGIDRITETISFIGHT.LDVGDWLYFEDMGAYTRCSATRFNGFSDNHEIYVSEPGARALLGMHST.....

tr|S3BU11|S3BU11_OHPF1 TCDGIDRITETISFIGHT.LDVGDWLYFEDMGAYTRCSATRFNGFTDNHDVIYVSEPGARALLGKWPSDIMMTMAIMVITVIMVITVILGCDDAEGA

gi|374108170|gb|AEY97077.1| TCDGLDCITDEYYLKYD.LAVGDWLYFANFAYTSSAATPFNGFEAAVEVIYIDTA.....

gi|49524739|emb|CAG58345.1| TCDGLDCITKEYYMKHD.LVVGDWLYFPRLGAYTSSAATPFNGFDOTADIIYINSENHDNI.....

sp|P08432|DCOR_YEAST TCDGLDCIAKEYYMKHD.VIVGDFVFPALGAYTSSAATQFNGFEQTADIVYIDSELD.....

tr|W0TA90|W0TA90_KLUMA TCDGLDCVTOEYYMKHD.LEVGDFWVYFANQAYTCSAATPFNGFEQTVDIIFIDSVL.....

sp|Q9UQW9|DCOR_SCHPO TCDSLDVIANDAHLPYE.LNVGDWLYFEDAGAYTVAAASCNGFKTS.RIVYLDTDILD.....

tr|S9PVK1|S9PVK1_SCHOY TCDSLDAIASDARLPYE.LNVGDWLYFDNAGAYTVAAASCNGFKTS.RIVYLDTDILD.....

tr|B6JUV0|B6JUV0_SCHJY TCDSLDVIASDARLPFE.LEVGDWLYFDDAGAYTVAAASCNGFKTS.KVEYVSTDLV.....

tr	M7XLS3	M7XLS3_RHOT1	TCDSIDCVQPKAVLPPTNLIEVGDWLFRNMGAYTICAAASQFNGFRRS.DVRYITIDAKGEPGLEAKIRALLDA.....
tr	V2WL65	V2WL65_MONRO	TCDSIDCVCEPSTKLPFTG.LRVGDWLGFENMGAYTVCAASQFNGFEVS.KVIYITGGASSTEVRNILAASASG.....
tr	L8WQE8	L8WQE8_THACA	TCDSIDCVCPVTRLPAN.LVVGDWLGFERNMGAYTICAAASQFNGFESS.RVHYTSGVGAESAARRALASLPDCVHL.....
tr	K4GFQ0	K4GFQ0_CALMI	TCDGLDRIVERCCNLPEL..QVGDWMLFENMGAYTLAAASTFNGFQRP.QIHYVMSRPTWQLMQQIKEDVHLPEADSHNAGGTVLPSCAWESGQELLSSSC
tr	Q9D6J4	Q9D6J4_DANRE	TCDGLDRIVEREQCSLPDM..QVGDWMLFENMGAYTVAAASTFNGFQRP.DIYYTMSRTAWQLMQQIRAQGIPALPLEEPSAGNVPSHCGRESSLDVPAKPC
tr	Q6XQV9	Q6XQV9_PAROL	TCDGLDRIVERQCYLPDM..QVGDWLFENMGAYTVAAASTFNGFQRP.DLHYVMSRPAWQVMQQICLQGMPPAVEESRLFEVSACCGQESSLEMPKPC
tr	B5X175	B5X175_SALSA	TCDGLDRIAEVCTLPDM..QVGEWLLFENMGAYTVAAASTFNGFQRP.DIYYTMSRTAWQCMQQICAQGMPPVLEESSC..VTSSCGHESSLELPTKPC
tr	C7BBC1	C7BBC1_ONCMY	TCDGLDRIAEMCTLPDM..QVGEWLLFENMGAYTVAAASTFNGFQRP.DIYYTMSRTAWQCMQQICAQGMPPVLEELSC..VTSSCGHESSLEL.....
sp	P00860	DCOR_MOUSE	TCDGLDRIVERRCNLPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.NIYYVMSRPMWQLMKKQIQSHGFPPPEVE.EQDDGTLPMSCAQESGMDRHPAAC
sp	P14019	DCOR_CRIGR	TCDGLDRIVERRCNLPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.SIYYVMSRPMWQLMKKQIQNHGFPPPEVE.EQDVGTLPISCAQESGMDRHPAAC
sp	P09057	DCOR_RAT	TCDGLDRIVERCSLPPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.NIYYVMSRSMWQLMKKQIQSHGFPPPEVE.EQDVGTLPMSCAQESGMDRHPAAC
sp	P27117	DCOR_BOVIN	TCDGLDRIVERCNLPPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.TIYYVMSGPTWQLMQQIRTQDFPPPGVE.EPDVGPLPVSCAWESGMKRHSAAAC
tr	D0G783	D0G783_PIG	TCDGLDRIVERCRLPPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.AIYYVMSGPTWQLMQQIRNHDFPPPEVG.EQDVGPLPVSCAWESGMERHPAAC
tr	S7MV92	S7MV92_MYOBR	TCDGLDRIVERCGLPPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.TIYYVMSGPTWQLMQQIQNRDFFPEA..EEDAGALPVSCAWESGMELLPAAC
tr	S9WGP8	S9WGP8_9CETA	TCDGLDRIVERCNLPPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.TIYYVMSGPTWQLMQQIQNRDFFPEVE.EQDVSTLPVSCAWESGMKRHPAAC
tr	G9KEH8	G9KEH8_MUSPF	
tr	L5LT03	L5LT03_MYODS	TCDGLDRIVERCGLPPEM..HVGDWMLFENMGAYTVAAASTFNGFQRP.TIYYVMSGPTWQLMQQIQNRDFFPEAEVEEDAGALPVSCAWESGMELLPAAC
sp	P27118	DCOR_CHICK	TCDGLDRIVERCNMPLEL..QVGDWLFENMGAYTVAAASTFNGFQRP.TIHYVMSRPAWQLMQQIKEQEFLAEVE.EQDVASLPSCACESGIEY.PATC
tr	J3SAT4	J3SAT4_CROAD	TCDGLDRIVERCGLPPEL..QVGDWMLFENMGAYTVAAASTFNGFQRP.TIHYVMSRTACRLMERIKKQGFQEEVE.DQDVP.LPLSCAWESGIEHHQAAC
tr	V8N237	V8N237_OPHHA	TCDGLDRIVERCGLPPEL..QVGDWMLFENMGAYTVAAASTFNGFQRP.TIHYVMSRTAWQLMMERIKKQGFQAEVE.DQDVP.LPLSCAWESGIEHHQAAC
sp	P27120	DCOR1_XENLA	TCDGLDRIVERFELPEL..QVGDWMLFENMGAYTVAAASTFNGFQRP.TLYYVMSRPHWQLMHDIKEHGILPEV...DLSALHVSCAQESGMELAPAVIC
tr	Q6GLE9	Q6GLE9_XENTR	TCDGLDRIVERFDLPPEL..QVGDWMLFENMGAYTVAAASTFNGFQRP.TLYYVMSRPHWQLMHDIKEHGILPEV...ELSAHRVSCAQESGMELAPAVIC
sp	P40807	DCOR1_DROME	SCDALDKIIEEDLHLPNL..NRGDLGFRNMGAYTMPIASAFNGFEVP.KTLYFQAI.....
sp	P41931	DCOR_CAEEL	TCDSLDLVEDKKLMPKM..XVGDWLYFEDMGAYTLAAATTFNGFSKP.VPMYVMSSEEMWESIRDSTHV.....
tr	A0A034WJY6	A0A034WJY6_BACDO	TCDSLDKIIEEDLAYLPNL..SCGDLIAFPNMGAYTVPIASPFNGFMVP.KTLYFKAI.....
tr	Q27702	Q27702_MUSDO	TCDALDKIAEDLQLPDL..KCGDFLAFNMGAYTIPIASPFNGFMLP.KILLYPHKAKI.....
tr	U1M7I3	U1M7I3_ASCSU	TCDGDFQVEKRRIMRRL..STGDWLYYDDMGAYTRSAASMNGFBKT.RTYETDKNTCKLIADAT.....
tr	A0A026WM66	A0A026WM66_CERBI	TCDSDYDVLKDVLLPEL..HLDGWMWVEDMGAYTLSICSTFNGFQIP.EVIPITIRKGQWKNLMTEIK.....LMQRPTEIIIEWSESVE
tr	W5J4G7	W5J4G7_ANODA	
tr	G6D2E4	G6D2E4_DANPL	SCDGLDCVIESCLLPPL..AVGSWLEWRNMGAYTIPIASPFNGFPVP.TVKPVLDRYLWL..LRDMWSSTGAVFHSCHSCPPSSPVDSSPSPSLSLSPSPS
tr	W8BLC9	W8BLC9_CERCA	TCDALDKIIEETYLPNL..SCGDLVAFPNMGAYTVPIASPFNGFLVP.KTLYFKSV.....
sp	P49725	DCOR_PANRE	TCDGLDQVEESSVMPRL..YEGDWLYYPMGAYTSVAASTFNGFDKP.KTYFYFIDEATLGSIVRKADSAPRG.....
tr	Q1HPR3	Q1HPR3_BOOMO	SCDALDKVMSALLPPL..DAGDWLFRNMGAYTIPIASPFNGFPVP.RVRAVVDAGLWTGGLDREAW.....PPLDEECRAAPDLTPDLTSDLT
tr	M4TB00	M4TB00_TELCI	TCDSLDKIIEEDQKMMRMNM..SVGEWIVYQNMGAYTCSASTFNGFQRP.NAVVVISRKNWRIISTSPNV.....
tr	B7T184	B7T184_HALDV	TCDGLDCITEYRLEPEM..QIGEWLYFEDMGAYTICASSTFNGMPRP.RIIFYLCHDVVWAQTYCKQTKKVDQP...ISKVIPFMKAGHDIFETYDQVEE

sp|P11926|DCOR_HUMAN	ASASINV.....
tr|J3NYB2|J3NYB2_GAGT3	.....
tr|B2VZL4|B2VZL4_PYRTR	.....
tr|C1GYJ9|C1GYJ9_PARBA	.....
tr|W9CS12|W9CS12_9HELO	.....
tr|W6QB16|W6QB16_PENRO	.....
tr|A1CHB3|A1CHB3_ASPCL	.....
tr|H1VCA7|H1VCA7_COLHI	.....
tr|C6H1Z4|C6H1Z4_AJECH	.....
tr|G2WTZ9|G2WTZ9_VERDV	.....
tr|K1WA32|K1WA32_MARBU	.....
tr|C5GFH7|C5GFH7_AJEDR	.....
tr|J4UIB7|J4UIB7_BEAB2	.....
tr|E9E831|E9E831_METAQ	.....
tr|E9F1W4|E9F1W4_METAR	.....
tr|A0A010RRK5|A0A010RRK5_9PEZI	.....
tr|N4VJJ3|N4VJJ3_COLOR	.....
tr|K2RJF9|K2RJF9_MACPH	.....
sp|P27121|DCOR_NEUCR	.....
tr|C8V6I7|C8V6I7_EMENI	.....
tr|L2FKD0|L2FKD0_COLGN	.....
tr|G3JP44|G3JP44_CORMM	.....
tr|F0XRE0|F0XRE0_GROCL	.....
tr|S3BU11|S3BU11_OPHP1	WRKRGADESL.....
gi|374108170|gb|AEY97077.1|	.....
gi|49524739|emb|CAG58345.1|	.....
sp|P08432|DCOR_YEAST	.....
tr|W0TA90|W0TA90_KLUMA	.....
sp|Q9UQW9|DCOR_SCHPO	.....
tr|S9PVK1|S9PVK1_SCHOY	.....
tr|B6JUV0|B6JUV0_SCHJY	.....
tr|M7XLS3|M7XLS3_RHOT1	.....
tr|V2WL65|V2WL65_MONRO	.....
tr|L8WQE8|L8WQE8_THACA	.....
tr|K4GFQ0|K4GFQ0_CALMI	TSARVSLNYCMEFLNQPVND
tr|Q9DGG4|Q9DGG4_DANRE	PTQVL.....
tr|Q6XQV9|Q6XQV9_PAROL	QARVV.....
tr|B5X175|B5X175_SALSA	QTRVL.....
tr|C7BBC1|C7BBC1_ONCMY	.....
sp|P00860|DCOR_MOUSE	ASARINV.....
sp|P14019|DCOR_CRIGR	ASASINV.....
sp|P09057|DCOR_RAT	ASASINV.....
sp|P27117|DCOR_BOVIN	ASTRINV.....
tr|D0G783|D0G783_PIG	ASARINV.....
tr|S7MV92|S7MV92_MYOBR	TSARVNV.....
tr|S9WGP8|S9WGP8_9CETA	ASASINV.....
tr|G9KEH8|G9KEH8_MUSPF	.....
tr|L5LT03|L5LT03_MYODS	ASARVNV.....
sp|P27118|DCOR_CHICK	ASASINV.....
tr|J3S4T4|J3S4T4_CROAD	TSASINV.....
tr|V8NZ37|V8NZ37_OPHHA	ASASINV.....
sp|P27120|DCOR1_XENLA	TAASINV.....
tr|Q6GLE9|Q6GLE9_XENTR	PTASINV.....
sp|P40807|DCOR1_DROME	.....
sp|P41931|DCOR_CAEEL	.....
tr|A0A034WJY6|A0A034WJY6_BACDO	.....
tr|Q27702|Q27702_MUSDO	.....
tr|U1M7I3|U1M7I3_ASCSU	.....
tr|A0A026WM66|A0A026WM66_CERBI	REDYIGSR.....
tr|W5J4G7|W5J4G7_ANODA	.....
tr|G6D2E4|G6D2E4_DANPL	PEGWARGNDLCELPLNC....
tr|W8BLC9|W8BLC9_CERCA	.....
sp|P49725|DCOR_PANRE	.....
tr|Q1HPR3|Q1HPR3_BOMMO	PTHRAV.FVECALK.....
tr|M4TB00|M4TB00_TELCI	.....
tr|B7T184|B7T184_HALDV	VFGSPRPELICDLPLN...

