

		1	10	20	30
sp | P54368 | OAZ1_HUMAN					
tr | J3NLI9 | J3NLI9_GAGT3		MVKSSLQRILNSHCFAREKEGDKPSATIHSR			
tr | B2VS12 | B2VS12_PYRTR		MASMK.QESNYSSSNYGEDAAARQ.....ANV			
tr | C1GR36 | C1GR36_PARBA		MTAT..ATITNDY.....G			
tr | W9C6N7 | W9C6N7_9HELO		MRFINKYVVHPEENRR...FLRTTA...AP.			
tr | W6PY73 | W6PY73_PENRO		MAPSM..KNSNSSSNCGGEVVGQN.....ANV			
tr | A1C5W2 | A1C5W2_ASPL		MAKYMNHNSSNCNQMQRFLDQDSQ.....STV			
tr | H1VIS3 | H1VIS3_COLHI		MTKSLNNQSSNTKQLQQLDN.TE.....SSV			
tr | C6HAT4 | C6HAT4_AJEC		MAPMN.QQSNSYSSSNY.GEAIVRQ.....ANV			
tr | L7J448 | L7J448_MAGOP		MAGISSSNQNNNPSRQMFEWSPE.....TK.			
tr | G2WR39 | G2WR39_VERDV		MATMK.QETNYCNSSSYGEVAAAARQ.....ANV			
tr | K1WLJ6 | K1WLJ6_MARBU		MSFMK.NNNNQSSSNH.GEVVVRQ.....ANV			
tr | C5GDC4 | C5GDC4_AJEDR		MASK.YETHSSSNCYGELVGRQ.....ASV			
tr | J4ULQ4 | J4ULQ4_BEAB2		MAGISSSSQNNNSNRQVFEWNPQ.....TKV			
tr | E9DY97 | E9DY97_METAQ		MSPMN.KQSNHSSNC.GEDVAPQ.....VN			
tr | E9ES29 | E9ES29_METAR		MALLS.NQNLNCSSSY.GEDVVAR.....VN			
tr | A0A010R9Q3 | A0A010R9Q3_9PEZI		MAFMN.QVNNYSSSNY.GEAIVRQ.....ANV			
tr | N4V3Z4 | N4V3Z4_COLOR		MAPMN.MQSNSYSSSNY.GEVIVRQ.....ANV			
tr | K2RSP3 | K2RSP3_MACPH		MYNIN..NAADNNK.....T			
tr | Q7RZ22 | Q7RZ22_NEUCR		MAPMKQDNLFSSSNYYGEDVVASPPHHM			
tr | C8VBA5 | C8VBA5_EMENI		DI.....TTA			
tr | T0KXQ8 | T0KXQ8_COLGC		MAPMR.QQSNSYSSSNFDGEAVVRQ.....ANV			
tr | G3JGN7 | G3JGN7_CORMM		SRMSPMN.KQSNSYSSNC.GEDVAAQ.....VN			
tr | F0XJ08 | F0XJQ8_GROCL		MASKMQSSKNQSSSNY.GEDVSRQ.....ANV			
tr | S3C934 | S3C934_OPH1					
sp | Q751H1 | OAZ_ASHGO		MMEQLRKKEQHIAKVVGECSTQGAVSVSFSTVQLA			
sp | Q6FJC4 | OAZ_CANGA		MEKKVSHVIDFLSNDEVQRLQGD.....SISG			
sp | Q02803 | OAZ_YEAST		MYEVIQKRKTIIINVLSQSPLEMRLIEDP.....SNLG			
tr | W0T7N9 | W0T7N9_KLUMA		MKKYYLQSFTTSKIENGLTL.....			
sp | Q9US05 | OAZ_SCHPO		MAFRNRMYQQLSNVDDADADILNSHFAPNPRG			
sp | Q9HFU8 | OAZ_SCHOT		MAFRNPQMYQQLSNVDDIDSEVLNSRFLSETK.			
sp | Q9HFU9 | OAZ_SCHJP		MAFRNPQYQLSNTEDLNLDIINAPSLENSR.			
tr | M7WG94 | M7WG94_RHOT1		MGVNKGRTSTPPVGQLVVEGSQRLPSTSSPSVDSRSHAPS			
tr | V2WYQ7 | V2WYQ7_MONRO		MSLRNMSNLPNSKSSLCPNTNGRQAVGDGAWSFDIPSSSV			
tr | L8WN76 | L8WN76_THACA		MVTALDNVTNSQLVTWHVKINEHALGSPRVRHTTRF			
tr | Q9DF74 | Q9DF74_TORMA		MVRSSVERILNNSHNFGER.....			
sp | Q9YI98 | OAZ1_DANRE		MVKSNLQTIILNNSHCFVREKESNIP.....			
tr | Q6X3F0 | Q6X3F0_PAROL		MVKSNLQRIILNNSHCFVREKEKTIS.....			
gi | 218156287 | ref|[NP_001134904.2|					
tr | C7BBC2 | C7BBC2_ONCMY		MVKSSLQRILNSHCFAREKEGDKRSATLHASR			
sp | P54369 | OAZ1_MOUSE		MVKSSLQRILNSHCFAREKEGDKRSATLHASR			
sp | P70112 | OAZ1_MESAU		MVKSSLQRILNSHCFAREKEGDKRSATLHASR			
sp | P54370 | OAZ1_RAT		MVKSSLQRILNSHCFAREKEGDKPSATVHATR			
sp | Q56K12 | OAZ1_BOVIN		MVKSSLQRILNSHCFAREKEGDKPSATVHATR			
tr | B2CR15 | B2CR15_PIG		MVKSSLQRILNSHCFAREKEGDKPSATVHATR			
tr | S7PBj6 | S7PBj6_MYOBR		MVKSSLQRIFNSPCLAREKIEKNP.....			
tr | S9WM96 | S9WM96_9CETA					
tr | G9KEG5 | G9KEG5_MUSPF					
tr | L5M1F9 | L5M1F9_MYODS					
sp | O42148 | OAZ1_CHICK					
tr | K4H9V6 | K4H9V6_RENDER		MVKSSLQRILNSHCFAREKEGEGNK.....STI			
tr | G0ZE39 | G0ZE39_9SAUR					
sp | P55814 | OAZ1_XENLA		MVKSSLQRILNSHCFAREKEGEGNK.....RND			
tr | Q28IR8 | Q28IR8_XENTR					
sp | P54361 | OAZ_DROME					
sp | Q9NH26 | OAZ_CAEEL					
tr | A0A034WA46 | A0A034WA46_BACDO		MPSNMNNKLDPVFSSGFVRREFNDSGIADGKLRTISTSSCATTMSSSESYRISLGVGPLWWSDVPVHRTDHD			
tr | T1PN88 | T1PN88_MUSDO					
tr | U1NWc4 | U1NWc4_ASCSU					
tr | A0A026VV28 | A0A026VV28_CERBI					
tr | W5JQ2 | W5JQ2_ANODA		MKVNAVANDIRAAGMMENHVMDEPSLSSN			
tr | G6DAD8 | G6DAD8_DANPL		MSHYGDTLPHYRGPDVSALGSAPP.....			
tr | W8AKX3 | W8AKX3_CERCA					
sp | Q9NHZ4 | OAZ_PRIPA					
sp | Q9NH25 | OAZ_ONCVO					
sp | O44535 | OAZ_DROVI		SDVPVHRTDHD			
sp | Q95P51 | OAZ_AEDAE		MMKFVASEISS..IMELQMRSEPISSN			

sp|P54368|OAZ1_HUMAN	TMPLL.....	LVD.....SSASLRG.....LHYCTTSGQS.....	.....	.....	SLHSRGCGSSSESSRVSLLHCCSNPG
tr|J3NLI9|J3NLI9_GAGT3	LASCY.....	.....LVD.....SSASLRG.....LHYCTTSGQS.....	.....	GIPEVPSSGLPSPPTSPPLAITSND.NELALT	.....
tr|B2VS12|B2VS12_PYRTR	IDARR.....	.....GPSGIPEVPSG.....HKFPPTSPTK.....	.....	.....SSSDSDVPEMVR.....	.....
tr|C1GR36|C1GR36_PARBA	.....	.....IVDS....SARLSG.....FHYSTTGAGG.....	.....	.....YSATAAV....ADEFLSPREG	.....
tr|W9C6N7|W9C6N7_9HELO	LASCY.....	.....SVEPSTSCKVHG.....FHYCTTGLGAK.....	.....	.....GIPERVS.GSISPPSSPPLAALTSA.NEFASI	.....
tr|W6PY73|W6PY73_PENRO	LATCY.....	.....SVDALSTIGG.....FHYCTTPGAGKIFF.....	.....	.....SPPHDILDS.RADRTWPGNNSW	.....
tr|A1C5W2|A1C5W2_ASPLC	LASCY.....	.....IVDS....AATLRG.....LHYCTTGAAD.....	.....	.....TISHSGIEEVPSGSESLSPPHVSVRISPRTENSWPSNNL	.....
tr|H1VIS3|H1VIS3_COLHI	LASCY.....	.....EPSGIPEVPTG.....HKFPPTSPTN.....	.....	.....VSATAAASAVVADQFRSSPKA	.....
tr|C6HAT4|C6HAT4_AJECH	.....	.....LVDN....ATASLKG.....LHYCTTS.....	.....	.....VTGLPSPPTSPPLAITSND.NKLAVT	.....
tr|L7J448|L7J448_MAGOP	LASCY.....	.....IVDT....AGLLKG.....LHYCTTGAT.....	.....	.....GAEWKRGS...ASSSSSS.SKR...	.....
tr|G2WR39|G2WR39_VERDV	LASCY.....	.....IVDS....SASLTG.....FHYSTTGAGGT.....	.....	.....IQGQSGIPEVGSSGLPSPPPPLAALTSA.NELALI	.....
tr|K1WLJ6|K1WLJ6_MARBU	LASCY.....	.....IVDS....AATLRG.....LHYCTTGAAD.....	.....	.....LQGSPPPPLAALTSS.NELALL	.....
tr|C5GDC4|C5GDC4_AJEDR	LASCYVNTRTTSLSFH.....YCTTEPGIPEVPTG.....HKFPPISSPAI.....	.....	.....ASATAAA..AVADQFRSSQKA	.....	.....
tr|J4ULQ4|J4ULQ4_BEAB2	LASCY.....	.....IVGT....AAQLKG.....LHYCTT.....	.....	.....GGRSGIPEVPTSGFPSPPTSPPLAALTST.NELALL	.....
tr|E9DY97|E9DY97_METAQ	FAAHFPILSRPLCLTDQFYEILLDSDRPSDAHITAQSSRRHFVASQLACDDLTSNPSNPLRTGRSGIPEVPTSGLPSPPTSPPLAALTSS.NELALL	.....	.....	.....	.....
tr|E9ES29|E9ES29_METAR	LASCY.....	.....IVDS....AAQLKG.....IHYCTTGAAG.....MFSKTTSDLTLYPGRSIGIPEVPTSGLPSPPTSPPLAALTSS.NELALL	.....	.....	.....
tr|A0A010R9Q3|A0A010R9Q3_9PEZI	LASCY.....	.....IVDS....AATLRG.....LHYCTTGA.....	.....	.....GLPSPPPPLAALTAS.NELALL	.....
tr|N4V324|N4V324_COLOR	LASCY.....	.....IVDS....TATLRG.....LHYCTTGAA.....	.....	.....GLPSPPTSPPLAALTAS.NELALL	.....
tr|K2RSP3|K2RSP3_MACPH	MDGSY.....	.....DSAIG.....	.....	.....MPSPPHAPAVTTDASD.....	.....
tr|Q7RZ22|Q7RZ22_NEUCR	LASCY.....	.....LGPS....GIPEVPST.....	.....	.....GLPSPPPPLAALDTSTNQLAVT	.....
tr|C8VBA5|C8VBA5_EMENI	LRTGP.....	.....EYSGIPEVPSG.....SKTAN.....	.....	.....ASPLPLDTSLASTMGGSYPVNHS	.....
tr|T0KXQ8|T0KXQ8_COLGC	LASCY.....	.....IVDS....AATLRG.....LHYCTTGA.....	.....	.....GLPSPPPSPPLAALTAS.NQLALL	.....
tr|G3JGN7|G3JGN7_CORMM	LASCY.....	.....IVGT....AAQLKG.....LHYCTT.....	.....	.....GGRSGIPEVPTSGLPSPPTSPPLAALTSS.NELALL	.....
tr|F0XJQ8|F0XJQ8_GROCL	LASCY.....	.....VVDAS....ASSLRG.....FHYCTTILA.....	.....	.....GLPSPPPSPPLAALTAT.NELALF	.....
tr|S3C934|S3C934_OPHP1	MASCY.....	.....LIDNS....ATLVKG.....FHYCTTTLT.....	.....	.....GAECPP...LAAISAN.NEVIVL	.....
sp|Q751H1|OAZ_ASHGO	KGTCLEKLR.....	.....	.....	.....PWMLRYCSRRTGYAEWLADRAGAQSVRMA	.....
sp|Q6FJC4|OAZ_CANGA	ISFSFD.....	.....IRTLKKHSGG.NPQFFNYSMRDS.....	.....	.....FHEWCADIELGANTNELVTELWDIIYL	.....
sp|Q02803|OAZ YEAST	ISLHFH.....	.....VSSLKSNKCTPMPKLSTYSLASGG.....	.....	.....FKDWCAIDIPLDVPEIDIIDFYWDVILC	.....
tr|W0T7N9|W0T7N9_KLUMA	.....	.....	.....	.....IGWRSTGLSTFNLEQYWDILIL	.....
sp|Q9USQ5|OAZ_SCHPO	QNHTH.....	.....	.....	.....GRRRNNTLALCTTKDQMFYVYSTPA	.....
sp|Q9HFU8|OAZ_SCHOT	.....	.....	.....	.....SRRRTTLAVCATKKDLYGTTPA	.....
sp|Q9HFU9|OAZ_SCHJP	.....	.....	.....	.....RSSSATLAVCTTEDSKFLYGTTPS	.....
tr|M7WG94|M7WG94_RHOT1	LSHLDLSSLDDGSLPRSPVGHPTHPTPHAHTPAGGQLAMDSSNNKKPSNLCSSRRAPWATRSDGGPDTAIKSRSRGAAATPQGLQVRVRDDLQISSVSL	.....	.....	.....	.....
tr|V2WYQ7|V2WYQ7_MONRO	IAVCQIE.....	.....	.....GSEDNMYYYYSTFSGGPTVSASELSPPLPTHFSIS	.....	.....
tr|L8WN76|L8WN76_THACA	FSATLQAN.....	.....	.....	.....HSLLSHCKFREPSCNADRRSVMGMGSDVA	.....
tr|Q9DF74|Q9DF74_TORMA	GQSLV.....	.....	.....	.....RMISGQESNPLCGTSQQYCRHLG	.....
sp|Q9YI98|Q9YI98_DANRE	KMPVI.....	.....	.....	.....ELTR.NKPESESSHRC...NPC	.....
tr|Q6X3F0|Q6X3F0_PAROL	TMANL.....	.....	.....	....SS...GICDMIGNLSLHCSSTRG	.....
gi|218156287|[ref|NP_001134904.2]	TMPPVI.....	.....	.....	.....ELPS.NNPESESPRRCRCCSNPC	.....
tr|C7BBC2|C7BBC2_ONCMY	.....	.....	.....	.....	.....
sp|P54369|OAZ1_MOUSE	TMPLL.....	.....	.....	.....SQHSRGCGSSESSRVALNCNSNLG	.....
sp|P70112|OAZ1_MESAU	TMPLL.....	.....	.....	.....SQHSRGCGSSESSRAALHCCSNLG	.....
sp|P54370|OAZ1 RAT	TMPLL.....	.....	.....	.....SQHSRGCGSSESSRVALHCCSNLG	.....
sp|Q56K12|OAZ1_BOVIN	TMPLL.....	.....	.....	.....SLHSRGGRSSESSRVSINCCSNLG	.....
tr|B2CR15|B2CR15_PIG	TMPLL.....	.....	.....	.....SLHSRGGRSSESSRVSINCCSNLG	.....
tr|S7PBj6|S7PBj6_MYOBR	MTCL.....	.....	.....	.....IL.....SRSSKCCLRLQTLRN	.....
tr|S9WM96|S9WM96_9CETA	.....	.....	.....	.....AAVPWGRLGL	.....
tr|G9KEG5|G9KEG5_MUSPF	.....	.....	.....	.....	.....
tr|L5MIF9|L5MIF9_MYODS	.....	.....	.....	.....	.....
sp|O42148|OAZ1_CHICK	MPAVL.....	.....	.....	.....SLST....GQSSSRVPFNCCSNLG	.....
tr|K4H9V6|K4H9V6_RENDER	.....	.....	.....	.....	.....
tr|G0ZE39|G0ZE39_9SAUR	.....	.....	.....	.....	.....
sp|P55814|OAZ1_XENLA	AMPL.....	.....	.....	.....SIPS....SSESSRASFNCCSNLG	.....
tr|Q28IR8|Q28IR8_XENTR	.....	.....	.....	.....	.....
sp|P54361|OAZ_DROME	RASL.....	.....	.....	.....TGYSRKSSVDSAGG.SLYEASSRA	.....
sp|Q9NH26|OAZ_CAEEL	.....	.....	.....	.....	.....
tr|A0A034WA6|A0A034WA6_BACDO	.....	.....	.....	.....	.....
tr|T1PN88|T1PN88_MUSDO	RASL.....	.....	.....	.....TGYTRKSSVDSSGGSSVDRSNNG	.....
tr|U1NWC4|U1NWC4_ASCSU	.....	.....	.....	.....	.....
tr|A0A026VV28|A0A026VV28_CERBI	.....	.....	.....	.....	.....
tr|W5JQA2|W5JQA2_ANODA	RMSKR.....	.....	.....	.....	.....
tr|G6DAD8|G6DAD8_DANPL	.....	.....	.....	.....TISSSSSSS...AGSDSYCVSLAD	.....
tr|W8AKX3|W8AKX3_CERCA	.....	.....	.....	.....GGVNGPRRSGAAPATPAHDDNDRD	.....
sp|Q9NH24|OAZ PRIPA	.....	.....	.....	.....	.....
sp|Q9NH25|OAZ ONCVO	.....	.....	.....	.....	.....
sp|O44535|OAZ DROVI	RASL.....	.....	.....	.....TGSSRKSSVDSAGG.SLFEEASSRA	.....
sp|Q95P51|OAZ AEDAE	RATKR.....	.....	.....	.....TISSSSSSSSSSAGFDSYCVSLAV	.....

tr	J3NLI9	J3NLI9_GAGT3	HKS . SKRQRSATTTNAGPGGAGRNNNARQRRGATSRIEECERFFCETMRAVFRDERNSATRGSLGTGVYDN		
tr	B2VS12	B2VS12_PYRTR	. . . . . FDEVK	
tr	C1GR36	C1GR36_PARBA	. . . . . NGEAVQTITEECERLFCDTLWTLFLGERQLAPQOSLVIGAVPN	
tr	W9CGN7	W9CGN7_9HELO	H.NSK KRDSRG RTTSRKEAAAYAIREEECERLFCENMKTIFLGEESASNDSSV.MGAN		
tr	W6PY73	W6PY73_PENRO	PEY KGEATHNIPEECERLFCDRLSATFLGERKIVGQESLGMDAARN		
tr	A1C5W2	A1C5W2_ASPCL	SEF RGEAAYTIPEECERLFCDKLSAIFTGEMKLARQVSSGMDAYQ		
tr	H1VIS3	H1VIS3_COLHI	PKASSS KRISSRGGALSIREECERFFCESMRAVFRGETDTGSHGSLHOGVYNNNN HNG		
tr	C6HAT4	C6HAT4_AJECH	PGC DGEAVQTITEECERLFCDTLWSMFLGEROLAPQOSLVIGATHNDNN		
tr	L7J448	L7J448_MAGOP	PKSKQRVQSTSNNNAGPGGLG SPHLRRGGATSRREECERFFCETMWSLFRDERNSAPRGSGLTGVHQQE		
tr	G2WR39	G2WR39_VERDV	. . . . . SRRRGAALSIREEECERFFCERMASFVQGERNAKASGML.GVHA	
tr	K1WLJ6	K1WLJ6_MARBU	SKNSNR KRNNDG KSRRRKEAAYYIREECERLFCDTMNGVFLGEGGKASSNGSIGMGANA		
tr	C5GDC4	C5GDC4_AJEDR	PGC DGEAVQTITEECERLFCDTLWAVFLGERQLAPQOSLVVGAAERN.SN		
tr	J4ULQ4	J4ULQ4_BEAB2	PKQOTS KRRDIPGS RRRDRRGGAAHVIREECERFFCETMKTAFRGERNLSMHGSGLTGAH		
tr	E9DY97	E9DY97_METAQ	PKN KKRDNSGH RRPERRRGGAAHTIREECERFFCETMKAHFGERNLSMNGSGLSGA		
tr	E9ES29	E9ES29_METAR	PKN KKRDNSGH RRPERRRGGAAHTIREECERFFCETMKTAFHGERNLSMHGSGLSGA		
tr	A0A010R903	A0A010R903_9PEZI	PKASSSSKRRDTPVG KRISSRGGALSIREECERFFCESMRAVFRGETDTGSRGSLHOGAYYYN NG		
tr	N4V324	N4V324_COLOR	PKASSS TKRDRVP KRISSRGGALQIREECERFFCESMRAVFRGERNTASNGSGLGSVLYS		
tr	K2RSP3	K2RSP3_MACPH	. . . . . AKAKSSAGNNNRAGSSNH NSRGRGGATLRIREEECERFFCETLRRAVLLGEKNSAVQGSGLASVYHNDNN	
tr	Q7RZ22	Q7RZ22_NEUCR	LEQ KGEAAHTIPEECERLFCDALSAIFLGER LSRQELLGVDASL		
tr	C8VBA5	C8VBA5_EMENI	PKATKQ RQ QPECERFFCESMKAVFGERGTGPNNGSLT.GVYS		
tr	T0KXQ8	T0KXQ8_COLGC	PKQ N.KRDRIPGG RRRDRRGGAAHVIREECERFFCEPMKTAFRGERNLSMHGSGLSGA		
tr	G3JGN7	G3JGN7_CORMM	PKKHTSTSSRGNNYNN TRSGRRGGATLRIREEECERFFCEIMKVVFQGERNMAGNGSGLTGVYKIIS SNGSGSIGSPNGQLC		
tr	F0XJQ8	F0XJQ8_GROCL	PKHKNNASQR SNGAGRGGAASIRREEECERFFCETMKTFLGERGTLCTHASLLTGASDHTSYQSYQGYQGSSGAQSYQSHQSHSS		
tr	S3C934	S3C934_OPHP1	Q751H1	OAZ_ASHGO	ELLEYLDIALVEAR FAVVPSEVEEERYRFQAHVVRRVGRRLTCTARGRACAED
sp	Q6FJC4	OAZ_CANGA	TEHQFLLPY YHGEHK FQKKLKVKRVGNHNLNSLVNNASKPTGSMVTNVR		
sp	Q02803	OAZ_YEAST	MESQFIELDYN VPSKNKGNNQSKVAKLKKLNKLNDMKTTLKRLTYNENTKQYKNNNNSHDG		
tr	W0T7N9	W0T7N9_KLUMA	FES PKQYKPDQYKLWTIAFLIKRVGSTLKQLVHGSSVESLYK		
sp	Q9USQ5	OAZ_SCHPO	GGAEWCSEALERS RPRAAFQQQRRRHVPRWISDSFRCLPKPSGILKEQTVNNEEGNSRH		
sp	Q9HFU8	OAZ_SCHOT	GGAEWCSEVLERT RPRIAHKRQRRRHVPRWISDSFRCLPKPSGKWEQTANEGERVKS		
sp	Q9HFU9	OAZ_SCHJP	GGAEWCSEGINSV RPSKRLLR.RRRHVPWISDSFRCLPKSSGNLKEQALQPSLDRRPC		
tr	M7WG94	M7WG94_RHOT1	LSSVSRSSAPFIPIIDDSTPPPAYSTIFPPSPLSAASTSPSDSLLITRYATAANTKSVAAPALLLSSPAELSFSPLDLAG		
tr	V2WYQ7	V2WYQ7_MONRO	SGAFDVPVKVCPDPRLGGSSECVTGSPASIPSSLSSSSPYPSTPYAIPRSRSTTRSPSTGSDLSTPPLPD		
tr	L8WN76	L8WN76_THACA	PSVLAVCRIEGAQSDLHYN TTFSSGGAGSGGSLGCVTGNPTSRTGIATPQRSPPIPAPSPSTSFPPIP		
tr	Q9DF74	Q9DF74_TORMA	PGPLWCSDAPHPS VKIPGGGRNGN.RDHTLAA LLHADEKLTVTQELP		
sp	Q9YI98	OAZ1_DANRE	PGPLWCSDVPPLP LKIPGGGRNQNDQRDHSHLS AK LFYSDAQLLVLEEEAPQ		
tr	Q6X3F0	Q6X3F0_PAROL	PGPWQCSDADLP LKIPGGGRNGNQDQRDHSHLS AR PIYSQDQLTVTEEPA		
gi	218156287	[ref|NP_001134904.2|	PGPLWCSDAPHPP LKIPGGGRNQDQRDRNLS AK LFYSDARLLVLEEEPPP		
tr	C7BBC2	C7BBC2_ONCMY	PGPLWCSDAPHPP RLLVLEEEPPP		
sp	P54369	OAZ1_MOUSE	PGPRWCSDVPHP LKIPGGGRGNSQRDHSHLS AS ILYSDERLNVTEEPT		
sp	P70112	OAZ1_MESAU	PGPRWC SYVPHP LKIPGGGRGNSQRDHSHLS AS VLYSDERLNVTEEPT		
sp	P54370	OAZ1_RAT	PGPRWCSDVPHP LKIPGGGRGNSQRDHSHLS AS ILYSDERLNVTEEPT		
sp	Q56K12	OAZ1_BOVIN	PGPRWCSDVPHP LKIPGGGRGNSQRDHSHLS AN LFYSDNRLNVTEELT		
tr	B2CR15	B2CR15_PIG	PGPRWCSDVPHP LKIPGGGRGNSQRDHSHLS AN LFYSDNRLNVTEELT		
tr	S7PBJ6	S7PBJ6_MYOBR	SATIHAS RTPLIKPMSFLESSRV SLDRLLNVAELM		
tr	S9WM96	S9WM96_9CETA	PIP HPAVT LVFSSRASHLLTHTFPGLANRPWLTDNRNVTTEELT		
tr	G9KEG5	G9KEG5_MUSPF	GAP DVPHPP LKIPGGGRGDRQRDHSPA AA VLHADERLRLVTTEEP		
tr	L5MIF9	L5MIF9_MYODS	OAZ1_CHICK	PGPRWCSDVPHP LKIPGGGRGNSQRDHSHLS AN LFYSDNRLNVTEELT	
sp	Q42148	OAZ1_XENLA	PGPRWCSDVPHP LKIPGGGRGNSQRDHSHLS AN LFYSDNRLNVTEELT		
tr	K4H9V6	K4H9V6_RENDERU	PGPRWCSDVPHP SWRDHMLS AN LFYSDNRLNVTEEEIT		
tr	G0ZE39	G0ZE39_9SAUR	PGPRWCSDVPHP SQRDHMLS AN LFYSDNRLNVTEEVT		
sp	P55814	OAZ1_XENLR	PGPRWCSDVPHP LKIPGGGRGNSQRDHSHLS AN LFYSDNRLNITEELT		
tr	Q28IR8	Q28IR8_XENTR	PGPRWCSDVPHP SSSLSSQS DCSDLESQPDIHSLCSDDDCQEVLROIL		
sp	P54361	OAZ_DROME	PGPRWCSDVPHP MSSILSSNFTNKSNLQVNESAVDSSLTASPCTQPGDVGWCFDAP		
sp	Q9NHZ6	OAZ_CAEEL	PGPRWCSDVPHP MVQHIL		
tr	A0A034WA46	A0A034WA46_BACDO	T1PN88_MUSDO	PGPRWCSDVPHP SSGGSRSVSTSSASSECSDSDVQSIYSDDDCQEIVKQIL	
tr	T1PN88	T1PN88_MUSDO	PGPRWCSDVPHP MSAIEVSGVSASTVIVVTRASGVV PDAP N		
tr	U1NW4	U1NW4_ASCSU	PGPRWCSDVPHP EGSR LHYFNTESRGVGIKQSQLSVSSHIVQEQEDELLKAVRSNE		
tr	A0A026VV28	A0A026VV28_CERBI	PGPRWCSDVPHP SFDSTTTTASSEYNDLDFPESTVDYMNQQEAEVRELL		
tr	W5JQA2	W5JQA2_ANODA	PGPRWCSDVPHP LLS ALLWSSASSLSSSSDSLTEHPALLVQRREEVIARILELK		
tr	G6DAD8	G6DAD8_DANPL	PGPRWCSDVPHP PGPRWCSDVPHP MVKHL		
tr	W8AXK3	W8AXK3_CERCA	PGPRWCSDVPHP MSSSIVLSSNNNSNSN SSSMIGQSPPCCS DVP		
sp	Q9NHZ4	OAZ_PRIPA	PGPRWCSDVPHP MSKLAVS SSFSLLCGNCRKHGVGLECYSDVPT N		
sp	Q9NHZ5	OAZ_ONCVO	PGPRWCSDVPHP O44535_OAZ_DROVI SPPSSSSSS ECSDTESH.DIHSLCSEDDCQBVLRQIL		
sp	Q95P51	OAZ_AEDAE	PGPRWCSDVPHP GPLWWSDVPQSRDHASPLKEYNRKTSIDS TTASSEFTDYDTESTVEFMNQHEAAVIEQL		

7 0

8 0

9 0

1 0 0

1 1 0 1 2 0 1 3 0 1 4 0

SP | P54368 OAZ1_HUMAN
 tr | J3NLI9 J3NLI9_GAGT3
 tr | B2VS12 B2VS12_PYTRR
 tr | C1GR36 C1GR36_PARBA
 tr | W9C6N7 W9C6N7_9HELO
 tr | W6PY73 W6PY73_PENRO
 tr | A1CSW2 A1CSW2_ASPLC
 tr | H1VIS3 H1VIS3_COLHI
 tr | C6HAT4 C6HAT4_AJECH
 tr | L7J448 L7J448_MAGOP
 tr | G2WR39 G2WR39_VERDV
 tr | K1WLJ6 K1WLJ6_MARBU
 tr | C5GDC4 C5GDC4_AJEDR
 tr | J4ULQ4 J4ULQ4_BEAB2
 tr | E9DY97 E9DY97_METAQ
 tr | E9ESZ9 E9ESZ9_METAR
 tr | A0A010R903|A0A010R9Q3_9PEZI
 tr | N4V3Z4 N4V3Z4_COLOR
 tr | K2RSP3 K2RSP3_MACPH
 tr | Q7RZ22 Q7RZ22_NEUCR
 tr | C8VBA5 C8VBA5_EMENI
 tr | T0KXQ8 T0KXQ8_COLGC
 tr | G3JGN7 G3JGN7_CORMM
 tr | F0XJQ8 F0XJQ8_GROCL
 tr | S3C934 S3C934_OPHP1
 sp | Q751H1 OAZ_ASHGO
 sp | Q6FJC4 OAZ_CANGA
 sp | Q02803 OAZ_YEAST
 tr | W0T7N9 W0T7N9_KLUMA
 sp | Q9USQ5 OAZ_SCHPO
 sp | Q9HFU8 OAZ_SCHOT
 sp | Q9HFU9 OAZ_SCHJP
 tr | M7WG94 M7WG94_RHOT1
 tr | V2WYQ7 V2WYQ7_MONRO
 tr | L8WN76 L8WN76_THACA
 tr | Q9DF74 Q9DF74_TORMA
 sp | Q9YI98 OAZ1_DANRE
 tr | Q6X3F0 Q6X3F0_PAROL
 gi | 218156287 | ref|NP_001134904.2|
 tr | C7BBC2|C7BBC2_ONCMY
 sp | P54369 OAZ1_MOUSE
 sp | P70112 OAZ1_MEASAU
 sp | P54370 OAZ1_RAT
 sp | Q56K12 OAZ1_BOVIN
 tr | B2CR15 B2CR15_PIG
 tr | S7PBj6 S7PBj6_MYOBR
 tr | S9WM96 S9WM96_9CETA
 tr | G9KEG5 G9KEG5_MUSPF
 tr | L5MIF9 L5MIF9_MYODS
 sp | O42148 OAZ1_CHICK
 tr | K4H9V6 K4H9V6_RENDER
 tr | G0ZE39 G0ZE39_SAUR
 sp | P55814 OAZ1_XENLA
 tr | Q28IR8 Q28IR8_XENTR
 sp | P54361 OAZ_DROME
 sp | Q9NHZ6 OAZ_CAEEL
 tr | A0A034WA46|A0A034WA46_BACDO
 tr | T1PN88 T1PN88_MUSDO
 tr | U1NWC4 U1NWC4_ASCSU
 tr | A0A026VV28|A0A026VV28_CERBI
 tr | W5JQA2 W5JQA2_ANODA
 tr | G6DAD8 G6DAD8_DANPL
 tr | W8AKX3 W8AKX3_CERCA
 sp | Q9NHZ4 OAZ_PRIPA
 sp | Q9NHZ5 OAZ_ONCVO
 sp | O44535 OAZ_DROVI
 sp | Q95P51 OAZ_AEDAE

.....HHYHHHQHYDS....HYS DNGQLSTPPPNDYPFPDQDRLVGGHCA.....NNKHKVSafeEANAK.....ISGR1QNCIEVWDYDYGDTIYRGFVAADGDR.....GDANVVAWMEIWWDYVGGAGFRGFLVEDGNG.....GSITDYEIMWDYVGGIRFRGFVAE.KED.....QRAMVFV
YSSLDD.....VDTHDDYFGDIK.....VQSNQ1GL.....IRSSQIEL.....SGHAI DAWVEIWWDYTGGCSFRGFGVGG.IGD.....EKTLCFAF
NNNNKGKVNVSEIARKR.....FGGRRGAADGHPMASS.....APAPA TAWLEIWWDYDAGGASFRAFVAD.DGT.....AVGRI QNFIEVWDYAGDTIYRGFVAADGNR.....EKSLSFAL
RQVQLEQQCYQLGGGGRESNGQLCTP..DEYPFFPSVFAASSGRN.....PPGGRVTAWLEIWWDYVGGAGFRGFLAEDDEG.....EKSASFIF
LLPTPPNDN..PDASYFGRDFAAAKQTQHGVRHDDLAG.....SGTVTAWLEIWWDYDAGGASFRAFVGD.DGL.....ERSLFVF
YSPPDES.....VDTYNNYFARRN.....TPQAIDAWIEIWWDYAGGCSFRGFGVAG.EGD.....KKSLSFAL
NNNK1IINLSGMPTKR.....CNPGR1QNCIEVWDYDAGDTIYRGFVAADGNQ.....VPGRI QNCIEVWDYDAGDTIYRGFVAADGNQ.....RTLFVF
YLQTPPPENQLRARADSS.....TSSDFSWSQSGHCPSTNG.....GSFVE DAWMEVWDYVGGAGSFRAFLASSGGGNDGG.....EKTLCFAF
YLQTPPPESRL.....SDVFFQSQMSDIKSR.....GFEV DAWMEVWDYVAGGASFRAFVAN.NGQ.....EKSLSFAL
YLQTPPPESRL.....SDAFFFQSQMSDIKSR.....GFEV DAWMEVWDYVAGGASFRAFVAN.NGQ.....EKSLSFVF
 ...SSNANNMLPTPPDDEDLAVQPHVP.....FGGRGGDGAEGFTAP.....APAPA TAWLEIWWDYDAGGASFRAFVAD.DGA.....EKSLSFAL
ELQTPPSDEDLAVRPHFAGMRGGVGTGAADAPASAAPAAV.....APCPATAWLEIWWDYDAGGASFRAFVAD.DGA.....ERSLFVF
CNNHPNHTTTNGNNNNPLTPYDDYPIGDEHLMRSRHGFDACGVAGN.....GAVSQWIEVWDYVGGARFRGFGVAG.EGD.....SKAMVFV
TQINNADG.....EHSRI QMWVEVLDYTTDAIYRGFVTDTNGE.....EKTLMIF
MQTPPSDEDLAVQPHF.....GGRE.....TDTK.....APAPA TAWMEVWDYDAGGASFRAFVAD.DGA.....EKSLSFAL
YLQTPPPENQLRARADRS.....GAPSESNDNHFASDDAAK.....GGFEV DAWMEVWDYVGGGAGSFRAFLASKDGR.....EKSLSFVF
TPPS...EYGHMPALSRTLSGASATSVASVVSSTSTSMAVGAVADR.....YCDVTAWLEIWWDYAGGSSFRGFLCEDLGG.....EKTLCFAF
 GSGYSRNSLTTPSDEDEDLYLRRASVSSNFSAVSSAFASSASSVNSLNPFDEKPFSYAAP TAWLEIWWDYDAGGASFRGFLSEDVAGS.....ELSLFAF
KYPDFQQ1GDMYGAVGDEQGVHLKYKWKVQSSRR.....LLV
HVWRNVDGYDRYTL.....LPLYFKELIWCKANGSIFHVIIP.....
YNWRKLGSQYFILE.....LPLFTQELIWCKLNENFYFHVVLPSLLNS.....RN
DIGSVYFTILDPFTQLFGKILHTSDMGKIAS.....ILF
R.....GKYDCDERIGVAESMNYYWHGIVRTEEDG.....SKTL
S.....WLAACDERIGIAEPPTNYWHGIVRTEEDS.....SKTL
RNGQADEAALRNKRIGIAEPESNYWHGIIETYDEHHQR.....QRNL
RSAPTLDGGPSSLLDAIFPAHASIHDLPSFDVKVDDLLGSGWSGCILDNPALTGR.....TL
DDFDSPPIRPTQQKDALDFLMTVFKHGLSALPYAKNVTISAPDVGEGFGVVLPELPGPRK.....TL
SHSHHASKYPLTPDSSPLDSHNIPSPGHGHSKFTTGQLQTPPQTPEDGPSSNDPNTL
ANGKQHVIIRFQYKLTDSK.VSKWNNAFFS..NNGLF.....V
SNSRVRFLLFERRCSVSK.HLVWRGALK..GTNLY.....I
GNGRPGILHFQSHLTVTK.TIQWDAVLS..NSSLY.....V
ANGRVRFLLFEPRCSEGK.HCVWRGVLK..GGNIY.....I
ANGRVRFLLFEPRCSEGK.HCVWRGVLK..GGNIY.....I
SNDKTRVLSSIQSTLTEAK.QVTWRAVWS..GGGLY.....I
ANDKTRVLSSIQSRLTEAK.QVTWRAVWN..GGGLY.....I
SNDKTRVLSSIQCTLTEAK.QVTWRAVWN..GGGLY.....I
SNNKTRIFNVQSRSLTEAK.HINWRAVLS..NSCLY.....V
SNNKTRILNVQSRSLTDHAK.HINWRAVLS..NSCLY.....I
SNNKKRILNIQTRFTDAK.HGNWRAVLS..CRCLY.....L
SNNKTRIFNVQSRSLTDHAK.HINWRAVLS..NSCLY.....I
PHGPTRLRAQTRLSGSR.RVDWRVALR..GRCLY.....V
SNNKTRILNVQTRSLTDHAK.HINWRAVLS..SSCLY.....I
SNNRTRILNVQSRSLTDHAK.HISWRAVLN..NNNLY.....I
SSNRTRILNIQSRSLTDHAK.HISWRAVLN..NNNLY.....I
SNNRTRILNVQSRSLTDHAK.HISWRAVLN..NNNLY.....I
SNNRTRILNVQSRSLTDHAK.HISWRAVLN..NNNLY.....I
QHDNPVQITIKLHVTEEQ.YTNWNTILNPVNLLY.....V
HGVLTKLPNETRAIVSAV.SPNWRVTSIG.EKTLA.....I
QHDNPTRITIKLHVTEENQ.FSEWEVSLNPDNNILY.....V
NQDHPTRISIKLHVTEETK.FTKWECLVNPENDILY.....V
TQFDNRNRLDILEGLVKEV.SSEWECCHLAD.SDTLA.....L
PLRLTFTLHLTEST.SVEWETVAWR..RCLY.....I
NQTAGPIITLKLFTVTPQK.CSSWETVFNPNENILY.....V
DRKPVKVEFKIYLTENT.VTRWEAVVKQ.....KSM
QHDNPTRITIKLHVTEENK.YTAWEVSLNPVNNILY.....V
N...TPASEEMTRMVKNV.VASWEWVPLG.KDKVG.....I
NLLSNEHLHSLESFVNEV.SSEWECCHLVD.GNTLA.....I
QHDQPVHISIKLHVTEEQ.DSTNWMSILNPNNNILY.....V
NQPTPTQISLKLFWTRQK.YSVWEVPLDNILY.....V

sp | P54368 | OAZ1_HUMAN
 tr | J3NL19 | J3NL19_GAGT3
 tr | B2VS12 | B2VS12_PYRTR
 tr | C1GR36 | C1GR36_PARBA
 tr | W9C6N7 | W9C6N7_9HELO
 tr | W6PY73 | W6PY73_PENRO
 tr | A1CW52 | A1CW52_ASPL
 tr | H1VIS3 | H1VIS3_COLHI
 tr | C6HAT4 | C6HAT4_AJECH
 tr | L7J448 | L7J448_MAGOP
 tr | G2WR39 | G2WR39_VERDV
 tr | K1WL76 | K1WLJ6_MARBU
 tr | C5GDC4 | C5GDC4_AJEDR
 tr | J4ULQ4 | J4ULQ4_BEAB2
 tr | E9DY97 | E9DY97_METAQ
 tr | E9ES29 | E9ES29_METAR
 tr | A0A010R9Q3 | A0A010R9Q3_9PEZI
 tr | N4V324 | N4V324_COLOR
 tr | K2RSP3 | K2RSP3_MACPH
 tr | Q7R222 | Q7R222_NEUCR
 tr | C8VBA5 | C8VBA5_EMENI
 tr | T0KXQ8 | T0KXQ8_COLGC
 tr | G3JGN7 | G3JGN7_CORMM
 tr | F0XJQ8 | F0XJQ8_GROCL
 tr | S3C934 | S3C934_OPHPI
 sp | Q751H1 | OAZ_ASHGO
 sp | Q6FJC4 | OAZ_CANGA
 sp | Q02803 | OAZ_YEAST
 tr | W0T7N9 | W0T7N9_KLUMA
 sp | Q9USQ5 | OAZ_SCHPO
 sp | Q9HFU8 | OAZ_SCHOT
 sp | Q9HFU9 | OAZ_SCHJP
 tr | M7WG94 | M7WG94_RHOT1
 tr | V2WQY7 | V2WQY7_MONRO
 tr | L8WN76 | L8WN76_THACA
 tr | Q9DF74 | Q9DF74_TORMA
 sp | Q9Y198 | OAZ1_DANRE
 tr | Q6X3P0 | Q6X3P0_PAROL
 gi | 218156287 | ref|NP_001134904.2|
 tr | C7BBC2 | C7BBC2_ONCMY
 sp | P54369 | OAZ1_MOUSE
 sp | P70112 | OAZ1_MESAU
 sp | P54370 | OAZ1_RAT
 Q56KL2 | OAZ1_BOVIN
 tr | B2CR15 | B2CR15_PIG
 tr | S7PBJ6 | S7PBJ6_MYOBR
 tr | S9WM96 | S9WM96_9CETA
 tr | G9KEG5 | G9KEG5_MUSPF
 tr | L5MIF9 | L5MIF9_MYODS
 sp | O42148 | OAZ1_CHICK
 tr | K4H9V6 | K4H9V6_RENDERU
 tr | GOZE39 | GOZE39_9SAUR
 sp | P55814 | OAZ1_XENLA
 tr | Q28IR8 | Q28IR8_XENTR
 sp | P54361 | OAZ_DROME
 sp | Q9NH26 | OAZ_CAEEL
 tr | AOA034WAA6 | AOA034WAA6_BACDO
 tr | T1PN88 | T1PN88_MUSDO
 tr | U1NWCA4 | U1NWCA4_ASCSU
 tr | AOA026VV28 | AOA026VV28_CERBI
 tr | W5JQA2 | W5JQA2_ANODA
 tr | G6DAD8 | G6DAD8_DANPL
 tr | W8AKX3 | W8AKX3_CERCA
 sp | Q9NH24 | OAZ_PRIPA
 sp | Q9NH25 | OAZ_ONCVO
 sp | O44535 | OAZ_DROVI
 sp | Q95P51 | OAZ_AEDAE

EIPGGA.LPEGS**KDSFAVLL**EFAEE.QnRADH**WIFICFHINR**.E... .DRAALLRTFSFLGFEIVRPGHPLVP...KRPDAC... .FMAYTFER
 FDMA.VVG.RDLQKALIAIMELADG.PLDCKSVVIAIDREIPV... .SESKSIMRGLQWAGFSLASLDNYAGG..ALDITS... .PRWL
 FDEPVIKG..DIKAGLMALLELCEVDYFSCDRLVLCIDRQVDQ... .AARNNILTKDLGWIGFGLTTLDEFSG..GEELTS... .EKWL
 FDNHACAG.QGFKSGLMALFEIASPELDCESEIACVDRSMDA... .AELDVAIRNLGNGVGFELSSLNDDVVPPPLKDAAIS... .GKWL
 FDSS.VIG.RDLQKGLIALIELAEE.VFAVSQVVIFVDRSIE... .GDRSTFLKSLRNGVGFELTTLDMWSH..QLDTTS... .NKWL
 FEDRALE..HGLKSGLIALFELADIATFGCSQIVACVSRQRT... .DEMEL.VRSLGWCGFSLTTLAPWVSHSDQGPCLS... .NKWL
 FGDDALG..HNLKAGLIALFELASTPVFDQSIVACIPRSREV... .AESDI.VRNLSWCGFNLTTLKPWATKHRVEQCLS... .TMWL
 FDRN.VIG.RDLKPALMALMELVDG.PLNCQHQLVICVDRGIEE... .EDAKSLMKSLQWVGFELTTLDHWAR...DVDVTS... .NQWL
 FDNHICAG.QGLKSGLMALFEIGSMTDLGCSEMVACVDRSMDE... .VELDAVIRNLGNGVGFESTLRLRDWVVPAAKGQFIS... .NRWL
 FDPM.VMG.RDLKSLVALAAIELADG.PLECNSHLVVAIDRSIPE... .RDTRSILMKGLQWAGFSLASLDRWAGG..SLDVTS... .SRWL
 FDGN.VVG.VDLDKKALMALIELADT.PLDCQHQLVCLDRRIEE... .EDAKSLMKSLQWVGFELTTLDNWAK...LDVTS... .KEWL
 FDPA.VVG.RDLQKGLMALIELAET.VFAVSQVVICLDRFVPE... .SDRKAFLKSLRNGVGFELISLDMWNTN...ELDVTS... .DKWL
 FDRHTCAG.QGFKSGLMALFEIASISLGCSEMVACVDRSMGA... .TELDAVIRNLGNGVGFELSSLRDWVPPSAKGPFF... .NRWL
 FDLQVMG.RDLKKALMALIELADG.PLGCRSIVTCMDRRMPV... .DEALEILTSLQWVGFEMTTLDHWAN...EVDVTS... .KKWL
 FDVEGVMG.RDLKKALMALIELADG.PLECAHIVTCIDRRIPI... .EEAHELTKSLQWVGFEMTTLDHWAN...RLDFTS... .KRWL
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 FDRN.VIG.RDLKPALMALMELVDG.PLNCQHQLVICDRTIEE... .EDAKSLMKSLQWVGFELTTLDHWAR...DVDVTS... .NQWL
 FDRN.VIG.RDLKPALMALMELVDG.PLNCQHQLVVCVERGVDE... .ENAKALMKSLQWVGFELTTLDHWAH...DVDVTS... .NKWL
 FDSEATVR..DLKPGLMALMELCSLDEFDCRLLNVCIIDRAAPE... .DDTKALIKDLGWIGFEPTVLAETE...TPPIVS... .EKWL
 FDEQSEG.V.RDLKKALMALIELADG.PLACSHMVICLDRSIPD... .HEAVPLMKGLQWAGFSMTTFDWPSGGK..TCDVVS... .GRWL
 LMETAVG..HGLKSGLIALFELASVPAFGCSQIIACVPRSKDG... .SELES.VRNLGWCDFSLTTLQFGARN..GNCLS... .NRWL
 FDRN.VIG.RDLKPALMALMELVDG.PLDCQHQLVICIDRGIIE... .EDAKSLMKSLQWVGFEMTTLDHWAN...DVDVTS... .NRWL
 FDLQVGAV.RDLKKALMALIELADG.PLGCVSIVTCMDRRMPV... .DEALEILTSLQWVGFEMTTLDHWAN...DVDVTS... .HQWL
 FDRGVVGR..DLKQALMALLELADS.AIGCSQVVICDRAAQP... .GDVASILMKGLQWAGFSPTTLDWTGGK..GVDVTS... .PAWL
 FDAHMLVNNGDLKMSLMALIELADS.ALGCAHLVVCVDRRALP.. .LEDAASILMKGLQWAGFSLTTLDAWTGG...GVDVTS... .QNWL
 LMDERAAGRVLKRLWVMMELVGDGMLRQCGQALQVYVSRED... .LNVNVDLILKNLNWIGEGLVNQVGDRWSDDAEVMWSD... .ERYV
 HTKEVHIH..EHKEWLLAILEMAGYWNLS..HVRVLYLPRDDLTN.IQTILLKLNHLWIGANLLPNENRNECNENDIT... .LSDETY
 VHDHNHSTY..INKDWLALLLELTSLNQDNFKFEYMKLRYL1RDLINNGLNLKLNLSNWVGKLIKNEDEVLLNSTDLATDSISHLLGDEN
 HNVSTTAFSQDRLNRNLMLKIWEFLQDHQCDIMIFYIPNKE... .HDFVSSLRLNRLNLSWLNGSLRKPLGRTPDPSFSNSIHWS... .DDQY
 FLIPESWEDVHLKEGLV р IAIDLAVID. RLHCSKLVLFVDKNN.S... .SLPYLVKSLSLWVGFEPPLPHLNCSDH... .ALFGML
 YLIPETWEDVHLKEGFVAIDLAEE.RLQCSKLILFVDKNL.S... .ALSYLVKSLSLWVGFEPVPHLDCVDH... .VLFGMEL
 HLIOPENWDVNLKNGVLIAIDLAED.HLQCSKLILIVDKHL.P... .NLPLYLVKSLSLWVGFEPVPHNCPV... .AVFGML
 YVGGGRYEDVELRDSVVDVIDRAEE.EYGCQSVLALRKDGAE... .DLGALVHQLLYIYGCTVVSNDTGV... .NDEY
 YVNAKNAASVLSRESIVALLDLADE.RLECSALIVLDRSS... .KMLSEAHLSLMYVGTVVVTKPFEVDP... .AFVLVGMEV
 TALEVATLTFPNEEARAAPYARALRITSQRQATPDASTWDG.. .VVLVSLPGERTLYVIGRGAЕALMLRESVTA... .LQCTAFVIALEK
 EIPDGI.LAEGSKEGLTVLLEFAEE.KLKVEYVFVYFYKNR.E... .DRAILLRTFSFMGFEIVRPGHPSV... .AQPGVL... .FMVYSIDQ
 EIPTGV.LPEGSKDSFSLLLEFAEE.KLQVDFHVICFHKNR.D... .DRASLLRTFSFMGFEIVRPGHPLVP... .TRPDAF... .FMAYRIER
 EIPLDS.LPEGSKDSFAALLEFAEE.HLKVSVSFLVCFYKNR.D... .DRAKLVRTFSFLGFEIVVKPGHALVP... .PRPDV... .FMAYNFDR
 EIPPGA.LPEGSKDSFALLLECAEE.KLQVDFHVICFHKNR.D... .DRASLLRTFSFLGFEIVRPGHPLVP... .TRPDAF... .FMAYSIER
 EIPPGA.LPEGSKDSFALLLECAEE.KLQVDFHVICFHKNR.D... .DRAILRTFSFLGFEIVRPGHPLVP... .KRPDAC... .FMVYTLER
 ELPAGP.LPEGSKDSFAALLEFAEE.QLQADHVFICFPKNR.E... .DRAALLRTFSFLGFEIVRPGHPLVP... .KRPDAC... .FMVYTLER
 ELPAGP.SPEGSKDSFAALLEFAEE.QLQADHVFICFPKNR.E... .DRAALLRTFSFLGFEIVRPGHPLVP... .KRPDAC... .FMVYTLER
 EIPGGA.LPEGSKDSFSLLLEFAEE.QLQADHVFICFPKNR.E... .DRAALLRTFSFLGFEIVRPGHPLVP... .KRPDAC... .FMVYTLER
 EIPGGA.LPEGSKDSFAVLLEFAEE.QLQADHVFICFPKNR.E... .DRAALLRTFSFLGFEIVRPGHPLVP... .KRPDAC... .FMAYTFER
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 EIPGGA.LPEGSKDSFAVLLEFAEE.QLQADHVFICFPKNR.E... .DRAALLRTFSFLGFEIVRPGHPLVP... .KRPDAC... .FMAYTFER
 EIPGGA.L... .DRAALLRTFSFLGFEIVRPGHPLVP... .KRPDAC... .FMAYTFER
 EIPGGA.LPEGSKDSFAVLLEFAEE.QLQADHVFICFPKNR.D... .DRAALLRTFSFLGFEIVRPGHPLVP... .KRPDAC... .FMAYTFER
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 EIPSGT.LPDGSKDSFAILLEYAAE.QLQADHVFICFPKNR.D... .DRAMLLRTFRFLGFEIVIPGHPLVP... .KRPDAC... .FMAYTFER
 EIPSGT.KDSFAILLEYAAE.QLQADHVFICFPKNR.D... .DRAMLLRTFRFLGFEIVIPGHPLVP... .KRPDAC... .FMAYTFER
 ALPKDL.PPAGSKQTFISLLLEFAEE.KLEVGDIVMVMPKDQ.P... .DRARILEAFLFMGFEPLSRKAPQAPPAAINDEN... .YFLY
 MIPHDQPVLGISKKNFVDLLEFAED.KLEMERVLAVFEKARIN... .PTEGFPRTLRYVGFРPYAIDEPHPV... .LPAEK... .YFIMSY
 AMPDEL.PPEASKDTFISLLLEFAED.KLDVDAVVLCKVRKNR.P... .DRASLIFETFLIMGFQPLSLRKSPLAPPSTAKASEN... .YFYI
 AMPDKL.APEASQQTFLSLLLEFAED.KLEVDAVVMCVRKDR.A... .DRARILESFLLMGFEPPLSRAKAPPEAPPAAIKDVEN... .FFL
 EIPGGA.LPEGSKDSFAVLLEFAEE.QLQADHVFICFPKNR.D... .FLPLHCKPVSTLSKDAFVSLLEFCED.ELPVKRVLICVSKN... .
 RVPSCLLP.EGSKEGFVSLLEYAEE.TLRCTNIIVCLRKDRSD... .VTPEVFSCFKYVGFTPLHDHPSN... .LDPRT... .VFAM
 SLSPS..SHEASXHSFSLLLEFAEE.KLECDAVVLCIRKD.L... .RAMLVRFTFMFLGFTVLPPTHALVP... .PGSDAG... .NL
 YMLYAI.E .DRPNILVTFSTFSVGFGQPLNPKSPLAPPHIEQH... .YLPMIYNIEE
 YLRVPSVLSSAGSKDSFVMLLDFAEE.RLGCSNCIICVSKNRSD... .RSTLRLRTFMFMGQPLPNHQMDG..IEHPDY... .LFL
 AMPEKL.PPEASKDTFISLLLEFAEE.KLDVDAVVLCKVRKNR.P... .DRGSI... .FFLYNMQ.
 IIAPADQDHQRVHKSRFV DLL EFCDE.TMKVKEVIAVFGRADLT... .VAAGFPRTLRYVGFРVVAPENFPP... .LDATT... .HFAM
 SP | Q9NH24 | OAZ_PRIPA
 SP | Q9NH25 | OAZ_ONCVO
 SP | O44535 | OAZ_DROVI
 SP | Q95P51 | OAZ_AEDAE

NLPSTM.THEASNSHSFLSLLLEFAEE.KLECDAVVLCIRKD.L... .DRPNILVTFSTFSVGFGQPLNPKSPLAPPHIEQH... .YL
 PSTM.THEASNSHSFLSLLLEFAEE.KLECDAVVLCIRKD.L... .DRPNILVTFSTFSVGFGQPLNPKSPLAPPHIEQH... .YL

	1 5 0	1 6 0	1 7 0	1 8 0	1 9 0	2 0 0	2 1 0	2 2 0
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sp P54368 OAZ1_HUMAN	ESSGEEE
tr J3NLI9 J3NLI9_GAGT3
tr B2VS12 B2VS12_PYRTR
tr|C1GR36|C1GR36_PARBA	.....
tr|W9CGN7|W9CGN7_9HELO	.....
tr|W6PY73|W6PY73_PENRO	.....
tr|A1C5W2|A1C5W2_ASPCL	.....
tr|H1VIS3|H1VIS3_COLHI	.....
tr|C6HAT4|C6HAT4_AJECH	.....
tr|L7J448|L7J448_MAGOP	.....
tr|G2WR39|G2WR39_VERDV	.....
tr|K1WLJ6|K1WLJ6_MARBU	.....
tr|C5GDC4|C5GDC4_AJEDR	.....
tr|J4ULQ4|J4ULQ4_BEAB2	.....
tr|E9DY97|E9DY97_METAQ	.....
tr|E9ESZ9|E9ESZ9_METAR	.....
tr|A0A010R903|A0A010R903_9PEZI	.....
tr|N4V3Z4|N4V3Z4_COLOR	.....
tr|K2RSP3|K2RSP3_MACPH	.....
tr|Q7RZ22|Q7RZ22_NEUCR	.....
tr|C8VBA5|C8VBA5_EMENI	.....
tr|T0KXQ8|T0KXQ8_COLGC	.....
tr|G3JGN7|G3JGN7_CORMM	.....
tr|F0XJQ8|F0XJQ8_GROCL	.....
tr|S3C934|S3C934_OPHP1	.....
sp|Q751H1|OAZ_ASHGO	.....
sp|Q6FJC4|OAZ_CANGA	.....
sp Q02803 OAZ_YEAST
tr W0T7N9 W0T7N9_KLUAMA
sp Q9USQ5 OAZ_SCHPO
sp Q9HFU8 OAZ_SCHOT
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tr M7WG94 M7WG94_RHOT1
tr V2WYQ7 V2WYQ7_MONRO
tr L8WN76 L8WN76_THACA	NTPGLGE
tr|Q9DF74|Q9DF74_TORMA	SLSEE..
sp|Q9YI98|OAZ1_DANRE	DSDGDE..
tr|Q6X3F0|Q6X3F0_PAROL	DSSDDE..
gi|218156287|ref|NP_001134904.2|	DSFDDE..
tr|C7BBC2|C7BBC2_ONCMY	.....
sp|P54369|OAZ1_MOUSE	EDPGEEED.
sp|P70112|OAZ1_MESAU	ED.....
sp|P54370|OAZ1_RAT	EDPGEEED.
sp|Q56K12|OAZ1_BOVIN	ESSGEEE
tr|B2CR15|B2CR15_PIG	ESSGEEE
tr|S7PBj6|S7PBj6_MYOBR	HSCGH..
tr|S9WM96|S9WM96_9CETA	ESSGEEE
tr|G9KEG5|G9KEG5_MUSPF	.....
tr|L5MIF9|L5MIF9_MYODS	ESSEDE..
sp|O42148|OAZ1_CHICK	DSSEE..
tr|K4HV96|K4HV96_RENDERU	.....
tr|G0ZE39|G0ZE39_9SAUR	.....
sp|P55814|OAZ1_XENLA	DSSDED..
tr|Q28IR8|Q28IR8_XENTR	DSSDED..
sp|P54361|OAZ_DROME	.....
sp|Q9NHZ6|OAZ_CAEEL	.....
tr|A0A034WA46|A0A034WA46_BACDO	.....
tr|T1PN88|T1PN88_MUSDO	.....
tr|U1NWC4|U1NWC4_ASCSU	.....
tr|A0A026VV28|A0A026VV28_CERBI	.....
tr|W5JQA2|W5JQA2_ANODA	.....
tr|G6DAD8|G6DAD8_DANPL	.....
tr|W8AKX3|W8AKX3_CERCA	.....
sp|Q9NHZ4|OAZ_PRIPA	.....
sp|Q9NHZ5|OAZ_ONCVO	.....
sp|O44535|OAZ_DROVI	.....
sp|Q95P51|OAZ_AEDAE	.....

