QUERY UniRef90_UPI0003503DCF UniRef90_A0NXV5 UniRef90_E9KN66	1 10 E G D A A A G E K V G D V E K G K K I G D A E K G E K V E G D A E K G A V V	S K K C L F Q K C S F K K C T	7 - · · · — ·	20 F D Q G G A N V E K G G K H V G E G A K N	30 N K V G P N L H K T G P N L N K V G P E L	F GV F E N T A WGL F G H R T N E V F G R T A
UniRef90_E5S446 UniRef90_E0MPZ2 UniRef90_S4RXV7 UniRef90_Q11AX3	GDAAAGEKV GDVEKGKKI GDAEKGAVV EGDAEKGAKKL GDAAEGEKT GDVEKGKKV OASAGEAV DGDAAKGEKI DVERGEKL	F Q R C A F R K C A F Q K C S	QCHAN QCHSN	V	NKTGPNL NKVGPPL NKVGPNL	NGI VGRKS TDI LGRTA SGI FGRQT
UniRef90_D0DC19 UniRef90_Q4QEN5 UniRef90_I1X5E8 UniRef90_K9GYZ1		CKBCI		EEKCCAE	RVCDNI	WNLMDBCV
UniRef90_UPI00046ED598 UniRef90_B9R2K0 UniRef90_Q2YPQ4 UniRef90_J7QAM2	D E A K G E K V E G D P A K G E K V D P A R G E V V D A T K G A K V	FKKCG FRKCA FKRCQ FKKCA	SCHT ACHA ACHT QCHT	V E E G G A N V G E D A K N G D K G G A N V E K G G K I	N K I G P N L N K V G P Q L N K <u>V</u> G P H L N K T G P N L	Y GI L G K A M N G V V G R A W W G V V G R P A H G L F G R K T
UniRef90_I1X4F6 UniRef90_B9R516 UniRef90_UPI000273E2A4 UniRef90_U6IR35	GDAENGAEI GDAAKGEKV GDVEKGKKI GDVEKGRKL	FAQCS FKKCQ FQKCA FQRCA	A C H S Y A C H A Y Q C H T Y	V G Q G A K D V G D G A K N V E K G V K H I D K G G S N	ORVGPHL NKVGPHL HKPGPDL NKTGPNL	NGI FGRRA NDLFGRSA HDLFGWKT YGLFGRLS
UniRef90_M1VHH6 UniRef90_UPI0003660811 UniRef90_Q15EU2 UniRef90_A3JVA4	E G D A S R G E K I D A N A E A G E R V E G D I E K G K K L G D P K K G A K V	F K K C S F K R C Q F Q R C S F K K C K	Q C H T \\ A C H T \\\ Q C H T \\\ Q C H T \\\ A C H Q \\\	Y	K Q G P N L N K V G P N L K V G P N L R V G P Q L	HGLFGRPA WDVVDRPI SGLFGRKT NGLFGRTA
UniRef90_V4RQW9 UniRef90_F6C0V1 UniRef90_UPI00046CB096 UniRef90_P81153	D A S A G E A I G D P G A G E K V D G D A E A G K T L D G D P V K G E A V	ARR <mark>C</mark> V FRKCQ FKKCG FKKCM	S	F	N K	H D V V G A E I N G I I G R S A A I V G R K A T G V V G R Q A
UniRef90_F2UBT8 UniRef90_C3YEP8 UniRef90_UPI00029895A0 UniRef90_UPI000476B9E7	KKKVVVV GGGGGGGAAEKKKKAAKTAKKKRTNT KAKKVVV GGGGGGGGGGGGGGGGGGGGGGGGGGGGG	F Q R C A F Q K C A F Q K C A F N Q C R	QCHT QCHT QCHT ACHT	V	K T G P N L K V G P N L K T G P N L	HGLFGRKT HGVFGRKT WGLSGPKT HGIVGQPA
UniRef90_N6TVH0 UniRef90_A6FWD0 UniRef90_B3PSK1 UniRef90_PZACY0	VEKGENV EGDATAGATV QGDPDNGAQV	FKKCQ FKKCA FKKCL	A C H S (A C H Q (T C H)	G		NGI VDRPV NGI VGQQM NKLFGRKA NDLFGRTA
UniRef90_D7A6X9 UniRef90_W6WBW8 UniRef90_UPI000273C0D9 UniRef90_K3XB41 UniRef90_W8BXC7	UE K G A T V Q D A T A G A A V Q D P A K G A A V K A D A K A G E A V K G D V E K G A K I E G N A E N G K K I K A D A S A G E A V G D A E N G F K V	F K K C Q F Q K C A F K K C A	S C H S C H C H T N	V G E G A K N G E K G G P N V E K G G K H V N A G G A H	KVGPDL KTGPNL KQGPNL	WSI VDRPV PGLFGNKT SGLLNRQS
UniRef90_C3MC48 UniRef90_P04657 UniRef90_UP1000466F5AA UniRef90_F6BPH6	KADASAGEAV GDAENGKKI AEDGEKV EGDAEAGATV GDPKKGKRV	F K K C A F Q K C A F K K C V F K K C A	SCHT QCHT ACHQ TCHV		KVGPNL KVGPNL KTGPVL	
UniRef90_X5MLP1 UniRef90_D0CYH6 UniRef90_Q5LLH2 UniRef90_G3NVI2	VAAGKNV	FKKCS	ACHQ	VGDGAKN	NRIGPHIL	NGLEGRIF
UniRef90_B7QUA6 UniRef90_UPI0004790BC9 UniRef90_E2CEB7 UniRef90_Q1YN57	V A K G E K T G D P A A G E K V A S D G E K V G D A A A G K K V	F K K C K F K E C R A K K C A F N R C R	A C H Q Y A C H S I A C H D Y	V G E G A K S V G A G A R N F D A G G A N V G E G A R N	SKTGPVL NGIGPHL NKVGPAL NKLGPHL	N G I T G A Q A D K L F G R Q A Y E I V G R K P N D L Y G R S A
UniRef90_Q5LUQ3 UniRef90_V4TMS1 UniRef90_Q8UJ37 UniRef90_A0A024KBY3	G D A A R G E E L D G D A E D G A K V D A A K G E A V D P A A G E K V	FQVCA FRRCQ FKKCT FKKCA	S C H Q Y A C H A Y S C H T G G C H A I	V G E G A E	G	N GI F D R K V N D L F G R Q P F D V V N R P I N GI L G E K A
UniRef90_UPI0003316F2A UniRef90_P00093 UniRef90_A0NUZ1 UniRef90_UBI00037D6565	GDILEKGKKI GDAAVGEKI DGDPAKGEKV EGNATAGAKL	F Q K C A A K K C T F K K C A F K R C A	A C H D I	V	K I G P N L K V G P P L N K V G P E L N K V G P N L	F G V F G R T T N G I V G R P W H G I F G R K S
UniRef90_UPI00037D6525 UniRef90_W5BGZ9 UniRef90_UPI000380FBD4 UniRef90_UPI00042A4111 UniRef90_G8AW69	GNAASGEKI GDAELGKKV VAEGEKV	F K K C A A K A C A F R K C K	QCHT SCHT ACHM	V E R G G A F F E Q G G A N V G E G A K N	KQGPNL KVGPNL KVGPNL	S GL F G R Q S F G V A G A K I N G V M G R Q M
UniRef90_P00046 UniRef90_UP1000273CF41 UniRef90_A9RJ09 UniRef90_A8LJ38	GDEKKGASL GDEKKGASKKT KGNEKAGEKI GDPERGAOI	F K R C A F P K C A F K K C A F R O C A	QCHT QCHA QCHA QCHA	V E K G G A N V E K G E K H V E K S A G H	KVGPNL KTGPNL KQGPNL	HGVFGRKT WGLFGRKT NGLFGRTS
UniRef90_W8S6R7 UniRef90_P86321 UniRef90_UPI000469091A UniRef90_G1XVX0	VYTVVVLLVVVLLVLVLAIVVVVLTLLLVLVVVVLA KKKKKKKKKKKKKKKKKKKKKKKKKKK	YRPCA YRQCH FKQCK FQRCK	A C H MI A C H S I S C H Q I A C H S I	I G D G A I N V G E G A K N I G E G A K H A E K D G A D	NRIGPHL NRVGPEG RVGPHL OKLGPNL	NGI VGRPA NNLFGRVA NGIFGRAA WGVVGRKS
UniRef90_Q1YKE8 UniRef90_U7FZD6 UniRef90_UPI0002EF3D90 UniRef90_P00081	G D P D A G K K V E K I G D A A K G E K V E G D V A K G E A A	FRKCM FKKCQ FAQCK FKRCS	A C H A A C H A C H A C H A C H A C	V G E G A K N V G D G A K N V A E E G K N I G E G A K N	K	N GI V G E K P N GI V G A P A W A V V G R T A N GI I G R T A
UniRef90_UPI00036D7CA8 UniRef90_UPI000467D55A UniRef90_UPI000360C3D4 UniRef90_D8RFW8	G D A A K G E K V E G D V A K G E A A D A T R G E A V D P A A G E K V G N P K N G E K I	FKKCA FRRCA FTKCQ FKKCA	SCHSIVCH I	V	KTGPNL NRVGPNL NKLGPSL RQGPNL	WNI VGTNA HDVLGRVV HGVIGRTA HGLIGRTS
UniRef90_K2PIC5 UniRef90_U4V264 UniRef90_UPI0004416489 UniRef90_B7RJ59	GNPKNGEKI DAAAGESS VKAGEKA GDSGKGASL IADGEKV GNSAKGAKL VAAGENV DLADGKKI GDAEAGGEKV DGNAEAGGEKV	F K K C K F K R C A F R K C K	A C H Q C H	V	N K V G P N L N K S G P Q L N K S G P L N R S G P L	N G V V G R A L H G V F G R K T N G V M G A S A
UniRef90_U4LKE6 UniRef90_A3VJS7 UniRef90_A7HW37 UniRef90_D0CYH5	GNSAKGAKL VAAGENV DLADGKKI GDAEAGQAV	F K K C K F A R C K F A Q C K	A C H T I	V	N K I G P S L N G T G P M L N G I G P N L N R L G P H L	NGI FGRKS NGI IGHPA HGVFGRTA NGL FGRPA
UniRef90_A3SZG8 UniRef90_K2K603	A A K G E T V	FKK <mark>C</mark> K	A C H Q	V G E G A K N T G E G A T N	1 K 3 G P <u>W</u> L 1 K T G P <u>V</u> L	N G V F M A K V

QUERY	50 60 70 80 A H K D N Y A Y S E S Y T E M K A K G L T W T E A N L A A Y V K N P K A F V L E
UniRef90_UPI0003503DCF	GQAAGFPYSEANKKKGKANMTWSEST L MEY L ENPKKY I P
UniRef90_A0NXV5	G S L E D Y K Y S K A M L D A G S G G L V W D E T T L T T Y L T K P K D M V K
UniRef90_E9KN66 UniRef90_E5S446	A GIVIE G F N Y S P A F K A K A E E G W T W D E A HIL I E Y L A N P K A Y I K G O V P N F D Y T A A N K N K G V I W T R F A I F F Y I I N P K A F I P
UniRef90_E33446 UniRef90_E0MPZ2	GTYEGMRYGDD <u>LV</u> AAGAAGLVWDGAE <u>M</u> F <u>A</u> YLEDPRKYLRA
UniRef90_S4RXV7	G Q A P G F S Y T D A N R D K G I V W N E D T L F L Y L E N P K K Y I P
UniRef90_Q11AX3	A S H E G F S Y S S A L T E F S E G G Q K W T Y E N L D H F L A S P K G L V P A A E A D F T Y S D A L T A L A E A E G E W T P E K L A T F L E K P R D Y A K
UniRef90_D0DC19 UniRef90_Q4QEN5	A A E A D F T Y S D A L T A L A E A E G E W T P E K L A T F L E K P R D Y A K G K V E G F T Y S K A N A E S G V I W T P E V L D V Y L E N P K K F
UniRef90_I1X5E8	G S II I E K F K Y S K A M K A A A G K G IL V I W T D D T I V I A E IL I I A K P R K F II I K
UniRef90_K9GYZ1 UniRef90_UPI00046ED598	A A S E D F N Y S D G L T A A A E K V E S W D D E A M M A Y L E D T T A W L R E A S V E G F S Y S D A L V E L G G E W G Y E E L N A F L T K P K D Y V K
UniRef90_B9R2K0	GTILIEGYKYSPSILIMEGAGEGRIVIWDIVIETILIDAYILLIKPRDIVLIPK
UniRef90_Q2YPQ4 UniRef90_J7QAM2	A S V E G F S Y S A A M K E F G A A G N K W D F E H L N K F L T S P K G F L K
UniRef90_J7QAM2 UniRef90_I1X4F6	GQAPGFSYTSAN QNKGITWGEDILWIYLENPKKYIPGSHEGFRYSEDMAMLGNDGLTWTLETLNAYMENPKALVSGEIDGYKYSNAMVKAGEDGLVWDMETTRTYLVKPKAMIKGQAVEFSYTDAN KNKGINWGEGTLMEYLENPKKYIPGQVPGYDYTAAN KNKGINWGEGTLMEYLENPKKYIPGSVPGFAYTAAN KNSGVYWKDETLNEYLENPKKYIPASHEGFSYSAAMQDFSEGGSKWTYENLNVFIKAPKKDVPGQAPGYTYTAAN SKGIIWNEQSLFEYLENPKKFIPGTLEGFKYSKAMTTAGEDGLVWTDETIAEFVENPKKFIPGTLEGFKYSKAMTTAGEDGLVWTDETIAEFVENPKAFIPTHVEGFGYSQAPGYTYTAAN
UniRef90_B9R516	GELDGYKYSNAMVKAGEDGLVWDMETTRTYLVKPKAMIK
UniRef90_UPI000273E2A4 UniRef90_U6IR35	GQAVEFSYTDAN KNKGI NWGEGTL MEYLENPKKYI P GOVPGYDYTAAN KNRGVTWNEETL NEYL I NPKKYI P
UniRef90_M1VHH6	G S V P G F A Y T A A N K N S G V V WK D E T L F E Y L E N P K K Y I P
UniRef90_UPI0003660811 UniRef90_Q15EU2	A S H E G F S Y S A A M Q D F S E G G S K W T Y E N L N V F I K A P K K D V P G Q A P G Y T Y T A A N I S K G I I W N E Q S L F E Y L E N P K K F I P
UniRef90_A3JVA4	GTLEGFKYSKAMTTAGEDGLVWTDETI AEFVENPKAFI P
UniRef90_V4RQW9	THUEGFGYSQAFEQLAGEGFEWTYEHLDGFLANPRGYIS
UniRef90_F6C0V1 UniRef90_UPI00046CB096	GKĀEGYAYSPAMSKĀAEAGLT WTPEKI AEFLTSPKGFLP GVEPGFNYSDAL KSSGLT WDEATLNKWVENPKGLVS
UniRef90_P81153	GVAPGESYSALNHAAGEAGILHWTAENILMAYI PDPNAEI RK
UniRef90_F2UBT8 UniRef90_C3YEP8	GQAAGYAYTEANI NKGVVWGEDTLFEYLANPKKYIP GQGAGFAYTDAN KNKGIIWNEETLDVYLTNPKKYIP
UniRef90_UPI00029895A0	GQAPGFSFSDAN KNRGI I WGEETLIEYLENPKEYI P
UniRef90_UPI000476B9E7	G A R E G F R Y S A K M R E L A E G G L T W T E E N L R T Y L R N P R D L V P G
UniRef90_N6TVH0 UniRef90_A6FWD0	A E
UniRef90_B3PSK1	GTHPNFAYSSSMKEAGEGGLVWDEATLRDYLHNPKAKVK
UniRef90_V4RPQ7 UniRef90_D7A6X9	G G L G D Y K Y S N A M H E A G E N G L V WE D E T L H D Y L A D P R G A V K G S L E G F N Y S D T L K E H N A K G D V W T A E L L S Q Y L A N P K G Y
UniRef90_W6WBW8	A G H E G F S Y S A G M K E F S K A G E H W T F D N L IN H F IL IT A P K A F IV IK
UniRef90_UPI000273C0D9	GQFPVFFYTDAN KNKGITXGEDTLMEYLENPKKYII GQAFNYSYSAAN KNSGIVIWTDETLIFEYLLAPKKYIIK
UniRef90_K3XB41 UniRef90_W8BXC7	GQAENYSYSAAN KNSGVTWTDETLFEYLLAPKKYI K GSFADYKYTDAN KNKGVTWTDDALFEYLENPKKFI P
UniRef90_C3MC48	A S H E G F S Y S A G M K T F S E G G K V W D Y D H L S Y F L E A P K K H V P
UniRef90_P04657 UniRef90_UPI000466F5AA	GQAENYSYSAAN KNSGVTWTDETLFEYLLAPKKYIKGSFADYKYTDAN KNKGVTWTDDALFEYLENPKKFIPASHEGFSYSAGMKTFSEGGKVWDYDHLSYFLEAPKKHVPGTAAGYKYTDANI KKGVTWTEGNLDEYLKDPKKYIPAHVEDFRYGKTLEEMRDGGQVWNEDNLTAFLSNPRGFIKGTHADFKYSQAMIDAGKGGLVWDDATLAEYLRNPRAKVK
UniRef90_F6BPH6	GTHADFKYSQAMIDAGKGGLVWDDATLAEYLRNPRAKVK
UniRef90_X5MLP1	GTHADFKYSQAMIDAGKGGLVWDDATLAEYLRNPRGFIKGHLEGYKFSANLMELKAEGKIWDDETLSAYLKKPKDVIPKGHLEGYKFSANLMELKAEGKIWDDETLSAYLKKPKDVIPKGSVEGFGYSSVFKAANDEGRVWDEAELDAFLAKPKAYGQVEGFKYSDALIEAAAGGLVWDDESLAAFLAKPKAYGQAPGFSYTQANINKGITWDEETLDVYLQNPKKYIPGAAEGFRYSKAMVTAGDAGLVWNEEELAAFLAKPKAYGSLEGFAYSLSLRRKGSQGLVWNEETLDVYLQNPKKYIPGGLDGFGYSSAMVAYGEEKPEWTFENLDHFLEAPKKYISGGLDDYNYSPVVKTAGAEGLVWNDETLAAYLADPRGMLP
UniRef90_D0CYH6 UniRef90_Q5LLH2	G Q V E G F K Y S D A L I E A A A G G L V W D E S L A A F L A K P K A Y
UniRef90_G3NVI2	G Q A P G F S Y T Q A N I N K G I TWD E E T L D V Y L Q N P K K Y I P
UniRef90_B7QUA6 UniRef90_UPI0004790BC9	G A A E G F R Y S K A MVT A G D A G L V W N E E E L A A F L A K P K A Y G S L E G F A Y S L S L R R K G S Q G L V W N E E T L D L Y L S K P Q A Y V P
UniRef90_E2CEB7	G G L D G F G Y S S A MV A Y G E E K P E WT F E N L D H F L E A P K K Y I S
UniRef90_Q1YN57 UniRef90_Q5LUQ3	
UniRef90_V4TMS1	
UniRef90_Q8UJ37	ASHEGFSYSAGMKDFSKGASVWDYDHLNYFLEAPKKHVP
UniRef90_A0A024KBY3 UniRef90_UPI0003316F2A	GÁVEGYÁFSQÁMIDAGNGGI VWTPETLSEFLKKPRDFVK GQAAGFSYTGAN KNKGI TRNEDTL <u>LV</u> YL <u>E</u> NPKKYIP
UniRef90_P00093	GTFAGYSYSPGYTVMGQKGHTWDDNALKAYLLDPKGYVQA
UniRef90_A0NUZ1 UniRef90_I1BT54	GTFAGYSYSPGYTVMGQKGHTWDDNALKAYLDPKGYVQAGAVDGYKYSANLLELAD GKVWDDETLDAYLTKPKDLIPKGAVDGYKYSANLLELAD GKVWDDETLDAYLTKPKDLIPKGQVAGGYDYTAAN KNKGVTWDEQTLFDYLENPKKYIPAHAAAGFGYSSAMQ ATSGETWTYESMDNWLENPSSYIRGTTAGGYAYSTANKSMAV VWEENTLYDYLLNPKKYIPAHAAGYAYSTANKSMAV VWEENTLYDYLLNPKKYIPAHAAGYAYSTANKSMAV VWEENTLYDYLLNPKKYIPAHAAAVDGFRYSATLEDMGEAGQAWDEEALAAFLAKPRDYVKGGSIESFKYSDAM KGAGLAWDEANLDKYLTDPKGTVPGQAEGFSYTEANR DKGITWDEETLFAYLENPKKYIPGKAFGFSYTEANN KNKGIVWGKETLMAYLENPKKYIPRGKAPGFSYTEANN KNKGIVWGKETLMEYLLNPKKYIPRGKAPGFSYTEANN KNKGIVWGKETLMEYLLNPKKYIPRGSIERFSYSDGMLRMGADGLIWDLRTLDAYIANPRALVSGVAMDYRYSEALIDAASEGLVWTAAELDRFLAEPNDYIAGGSLPDFRYSKAMKSAGENGLVWTAAELDRFLAEPNDYIAGGSLPDFRYSKAMKSAGENGLVWTAAELDRFLAEPNDYIAGSLPDFRYSKAMKSAGENGLVWTAAELDRFLAEPNDYIAGGSLPDFRYSKAMKSAGENGLVWTAAELDRFLAEPNDYIA
UniRef90_UPI00037D6525	AHAAGFGYSSAMQ ATSGETWTYESMDNWLENPSSYIR
UniRef90_W5BGZ9 UniRef90 UPI000380FBD4	GTTAGYAYSTANKSMAV VWEENTLYDYLLNPKKYII P AHLSGFKYSDA VAGHGGEWTDENLDHWLTNPKEFII A
UniRef90_UPI00042A4111	AAVDGFRYSATLEDMGEAGQAWDEEALAAFLAKPRDYVK
UniRef90_G8AW69 UniRef90_P00046	GSLESFKYSDAM KGAGLAWDEANLDKYLTDPKGTVP GQAEGFSYTEANR DKGLTWDEETLFAYLENPKKYLP
UniRef90_UPI000273CF41	GKAPGFSYTEAN KNKGI VWGKETLMEYLENPKKYI PR
UniRef90_A9RJ09	GTTAGYTYSKAN KDKAVVWDEEQLYEYLLNPKKYIP GSLERFSYSDGMLRMGADGLIWDLRTLDAYIANPRALVS
UniRef90_A8LJ38 UniRef90_W8S6R7	G S
UniRef90_P86321	GSLPDFRYSKAMKSAGENGLVWTDKSLHEYLKNPRAYVP
UniRef90_UPI000469091A UniRef90_G1XVX0	G S ME D A K Y S K S MLR A G D D G L I WT E E T L D A Y I E N P K A L V S A S E D G F N Y S P A M K A A N K T WD A A T L D V Y L T K P A A L V P
UniRef90_Q1YKE8	GAVEGYSFSPAFQEWAADK <u>AA</u> WNEELMTAWLITNPRDVVK
UniRef90_U7FZD6	GQVEGYKYSASMTEKADGGLYWDEETLTAYLHKPKEVVP
UniRef90_UPI0002EF3D90 UniRef90_P00081	GGDPDYNYSNAMKKAGGEGIL VIWT POFII IRDFII ISAPKKKII P
UniRef90_UPI00036D7CA8	A S E D G F N Y S P A M K A A N K T W D A A T L D V Y L T K P A A L V P G A V E G Y S F S P A F Q E W A A D K A A W N E E L M T A W L T N P R D V V K G Q V E G Y K Y S A S M T E K A D G G L V W D E E T L T A Y L H K P K E V V P G S L A G F N Y S K A N K E S G V T W S E D V L F T Y L E A P A K K F P A Q K D G F S Y S A A M A E S S L T W N Y E S L N D Y L E K P S R Y V K A S H E G F S Y S A A M A E S S L T W N Y E S L N D Y L E K P S R Y V K A S H E G F S Y S A A M A G K S G V K W D E P T L T T Y L H D P K A M V K G T C P G F S F S A A N K N K A V E W S E E T L T Y Y L L D P K K K Y L P A S H E G F S Y S A A IN R E F S Q G G S E W T W D H L N E F L T A P K Q H L P G G L D D F K Y S K N M A A M G A E G V Y W N D E T L A A F L A K P K A Y L K G Q A E G F S Y T A A N V N K G I T W N E Q T L F E Y L E N P K K Y L P G A V E G F K Y S S G L Q D A A A G G L V W D Q A A M T Q F L T K P R D F L K G T K E G V K F S K A M T A K G A E G L V W D Q A A M T Q F L T K P R D F L K G T K E G V K F S K A M T A K G A E G L V W D Q A A M T Q F L T K P R D F L K G T K E G V K F S K A M T A K G A E G L V W D Q A A M T Q F L T K P R D F L K G T K E G V K F S K A M T A K G A E G L V W D E A S L S E F L T K P K D Y A H V D G F K Y S N V F K A A M E E G R V W D E A S L S E F L T K P K D Y A H V D G F K Y S N D M L G A H E A G A V W D E A H L A E F L A K P K S V
UniRef90_UPI000467D55A UniRef90_UPI000360C3D4	A S H E G F S Y S A A M T E Y S E G G K T WE F E N L S A F L V N P R S Y V P
UniRef90_D8RFW8	GT CP GF S F S A A N K N K A V E W S E E T L Y E Y L L N P K K Y II P
UniRef90_K2PIC5	ASHEGFSYSAALREFSQGGSEWTWDHLNEFLTAPKQHIP
UniRef90_U4V264 UniRef90_UPI0004416489	G G L L D D F K Y S K N M A A M G A E G IV V I W N D E F L A A F L A K P K A Y II K G Q A E G F S Y T A A N V N K G II T W N F O T II F F Y II F N P K K Y II P
UniRef90_B7RJ59	GHIDGEKYSKSLMEKAEEGL VWNAETI AEFLAGPKKYI K
UniRef90_U4LKE6 UniRef90_A3VJS7	GQIVIE GYAYTDAN KQKGIVIE WNEQTLIF EYLIE NPKKYII P
UniRef90_A7HW37	GTKEGVKFSKAMTAKGAEGL VWSEETLISVYLEKPAAMVP
UniRef90_D0CYH5	GALEDEKYSKSEQRAAASGLEWHADTLDAELENPRSYAS
UniRef90_A3SZG8 UniRef90 K2K603	A HIVID G E K Y S NIVIF K A A M E E G RIVIWD E A SILIS E FILIT K P K D Y
OIIII (OIOO_I\ZI\UUO	A II W D O I K I O K D W E O A II E A O A W W D E A II E A E F E A K F K O V

SUENTY Marcing				
Unicagio Di Unicagio Di Unicagio Di Unicagio Di Unicagio Casta del Casta de	QUERY	KSGDP	ΚA	90 110 110 KSKMTFKILTKDDEITENVITAYILKTILK
Unicago Di Compagne Cassada (Cassada Cassada	UniRef90_UPI0003503DCF			G T K MII IF A GII IK K Q E R A DIL I IA Y IL IK
Unicago Di Compagne Cassada (Cassada Cassada	UniRef90 E9KN66			G T K M A F A G L K K Q D L E N V I A Y L A I F G T K M A F A G L K P E D V A D V I A Y L K T I
UNINCERIO CITAX3 OF TAMES F. OF TAMES F. OF TAMES F. OF TAMES T. OF TAMES OF	UniRef90_E5S446			GTKM FAGLKKEDRADLIAYLEQ
UNINCERIO CITAX3 OF TAMES F. OF TAMES F. OF TAMES F. OF TAMES T. OF TAMES OF	UniRef90_E0MPZ2 UniRef90_S4RXV7	K L D D K	KA	RSKMAFKLRKAEDRADIVI AYLESLK GTKMIFAGIIKKFFRKDII I AYIIKO
UNINGEND UNI	UniRef90_Q11AX3			GTAMSFAGLSKEDRANLIAYLRT
UNINGEND UNI			M P	G
UNIRES 0. SPXYOU UNIRES 0. S	UniRef90_I1X5E8			GTKMAFGGKKEADRNDLI AYLKTF
UNIRES 0. SPXYOU UNIRES 0. S	UniRef90_K9GYZ1 UniRef90_UPI00046FD598	VIGDS	G V	
UNIRGE90 JYOAM2 UNIRGE90 JYAXFE UNIRGE90 B9R516 UNIRGE90 JYAXFE UNIRGE90 JYAXFE UNIRGE90 JYAXFE UNIRGE90 JYAXFE UNIRGE90 JYAXFE UNIRGE90 JYAXFE UNIRGE90 JYAYFE UNIRGE90 JYAY	UniRef90 B9R2K0	G		R M A F A GIL IK D E D R A DIV I IA YIL IS Q
UniRes 00 1734F6	UniRef90_Q2YPQ4 UniRef90_J7QAM2			GTKMVFAGKKDNERADLIAYLRIL GTKMVFAGLKKKERADLIAYLR
UNIREIDO MYHOUGOSGOBOST 1 UNIREIDO MYHOUGOSGOBOST 1 UNIREIDO MY STEUL	UniRef90_I1X4F6			R T R M N F D G I D P G D R A D V I A Y I R T F
UNIREIDO MYHOUGOSGOBOST 1 UNIREIDO MYHOUGOSGOBOST 1 UNIREIDO MY STEUL	UniRef90_B9R516 UniRef90_UPI000273E2A4			G T K M A F A GIL K D A DIL D NIL LA Y L A T G T K MI F T GIL K K A E R A DIL X A Y L K
UNIRE900 _Q15EU2	UniRef90_U6IR35			G T K M V F A G L K K E D R T D I T A Y M K Q
UNIRE900 _Q15EU2				GTAMGFAGLSDKDRADLIAYLST
UNIRE90 P81133 FIVIT D A G N P T K MIV F P G LL K D Q LE R A D LI I A Y L K T F LI MIRE90 P81133 FIVIT D A G N P T K MIV F P G L K K D E D R Q N L V I A Y L K T F LI MIRE90 P81133 FIVIT D A G N P T K MIV F P G L K K K D P R Q N L V I A Y L K T F LI MIRE90 CP10029895A0 UNIRE90 CP10029895A0 UNIRE90 CP10029895A0 UNIRE90 CP10029895A0 UNIRE90 N67VH0 UNIRE90 N67VH0 UNIRE90 N67VH0 UNIRE90 S3PSK1 G T K MIV F A G L K K K D P R A N V I A Y L K T L UNIRE90 D7A6X9 UNIRE90 P81835 G T K MIV F A G L K K K D P R A N V I A Y L K T L UNIRE90 D7A6X9 UNIRE90	UniRef90_Q15EU2			GTKMVFAGLKDTDRNDIISYLK
UNIRE90 P81133 FIVIT D A G N P T K MIV F P G LL K D Q LE R A D LI I A Y L K T F LI MIRE90 P81133 FIVIT D A G N P T K MIV F P G L K K D E D R Q N L V I A Y L K T F LI MIRE90 P81133 FIVIT D A G N P T K MIV F P G L K K K D P R Q N L V I A Y L K T F LI MIRE90 CP10029895A0 UNIRE90 CP10029895A0 UNIRE90 CP10029895A0 UNIRE90 CP10029895A0 UNIRE90 N67VH0 UNIRE90 N67VH0 UNIRE90 N67VH0 UNIRE90 S3PSK1 G T K MIV F A G L K K K D P R A N V I A Y L K T L UNIRE90 D7A6X9 UNIRE90 P81835 G T K MIV F A G L K K K D P R A N V I A Y L K T L UNIRE90 D7A6X9 UNIRE90	UniRef90_V4RQW9			GTAMAFAGRDAADRADLI AYLAS
UniRef90	UniRef90_F6C0V1			GTKMTFAGLKDQERADI I AYLATF
UniRef90	UniRef90_P81153	FVTDA	G N	IPTKMVFKLPNEQERKDVVAYLKTF
UNIRE69D_VPI00047659E7 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_VARPC17 UNIRE69D_VARPC17 UNIRE69D_VARPC27 UNIRE69D_VARPC27 UNIRE69D_VBWBWS UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D R A D V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D R A D V I A Y L A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D R A	UniRef90_F2UBT8			G T K M V F A G L K K K D R K N L I A Y L K
UNIRE69D_VPI00047659E7 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_A6FWDD0 UNIRE69D_VARPC17 UNIRE69D_VARPC17 UNIRE69D_VARPC27 UNIRE69D_VARPC27 UNIRE69D_VBWBWS UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D E D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V E Y L K X S UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D II A A V V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D R A D V I A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D R A D V I A Y L A Y L A T F UNIRE69D_VBWBWS GT_K M_AF A G_L K E D D R A	UniRef90_UPI00029895A0			GTKMVFAGLKKSERDDLIQYLKQ
UNIRÉE90 VARPO7 UNIRÉE90 VARPO VARP	UniRef90_UPI000476B9E7	G T		MAFAGI NDQQLNDLI AFLKQ
UNIRÉE90 VARPO7 UNIRÉE90 VARPO VARP	UniRef90_A6FWD0			GTKMSFGLRSDEDITAAVVEYLKS
UNIRE190 C3MC48 UNIRE190 P04657 UNIRE190 P04657 UNIRE190 P04657 UNIRE190 P069466 UNIRE190 P069466 UNIRE190 P06946 UNIRE190 P0694 UNIRE190 P06946 UNIR	UniRef90_B3PSK1			GTKMAFAGKDDQEIITDLIAYLKQ
UNIRE190 C3MC48 UNIRE190 P04657 UNIRE190 P04657 UNIRE190 P04657 UNIRE190 P069466 UNIRE190 P069466 UNIRE190 P06946 UNIRE190 P0694 UNIRE190 P06946 UNIR	UniPofan D7A6Ya		M P	GVK MVF A GL K E T D R A DL EAYL G T F
UNIRE190 C3MC48 UNIRE190 P04657 UNIRE190 P04657 UNIRE190 P04657 UNIRE190 P069466 UNIRE190 P069466 UNIRE190 P06946 UNIRE190 P0694 UNIRE190 P06946 UNIR	UniRef90_W6WBW8		۱۸/	GTAMGFAGLKDTERANLIAYLRTL
UNIRE190 C3MC48 UNIRE190 P04657 UNIRE190 P04657 UNIRE190 P04657 UNIRE190 P069466 UNIRE190 P069466 UNIRE190 P06946 UNIRE190 P0694 UNIRE190 P06946 UNIR	UniRef90_K3XB41		vv	GTKMVFAGLKPNERRDLIAYL
UniRef90_UPi000466F5AA UniRef90_F6BPH6 UniRef90_CSMM_P1 UniRef90_OCV*H6 UniRef90_GSLUH2 UniRef90_GSLUH2 UniRef90_GSLUH2 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_UPi0004790BC9 UniRef90_UPi0004790BC9 UniRef90_UPi0004790BC9 UniRef90_UPi0004790BC9 UniRef90_UPi0003705C3 UniRef90_UPi00033 GT K M M F A G L K E D E L E N V I A Y L A T F UniRef90_UPi0003316F2A UniRef90_UPi0003316F2A UniRef90_UPi0003316F2A UniRef90_UPi0003316F2A UniRef90_UPi00033705C35 UniRef90_UPi00033705C35 UniRef90_UPi0003705625 UniRef90_UPi000380FBD4 UniRef90_UPi000380FBD4 UniRef90_UPi000424111 UniRef90_UPi000424111 UniRef90_UPi000466 UniRef90_UPi000466091A UniRef90_UPi000466091A UniRef90_UPi000467055A UniRef90_UPi000467055A UniRef90_UPi000467055A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi0004476489 UniRef90_UPi0004416489 UniRef90_UPi000441648	UniRef90_W8BXC7			GTKMVFAGLKAAERADII AYLKTAK
UniRef90_UPi000466F5AA UniRef90_F6BPH6 UniRef90_CSMM_P1 UniRef90_OCV*H6 UniRef90_GSLUH2 UniRef90_GSLUH2 UniRef90_GSLUH2 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_BTQUA66 UniRef90_UPi0004790BC9 UniRef90_UPi0004790BC9 UniRef90_UPi0004790BC9 UniRef90_UPi0004790BC9 UniRef90_UPi0003705C3 UniRef90_UPi00033 GT K M M F A G L K E D E L E N V I A Y L A T F UniRef90_UPi0003316F2A UniRef90_UPi0003316F2A UniRef90_UPi0003316F2A UniRef90_UPi0003316F2A UniRef90_UPi00033705C35 UniRef90_UPi00033705C35 UniRef90_UPi0003705625 UniRef90_UPi000380FBD4 UniRef90_UPi000380FBD4 UniRef90_UPi000424111 UniRef90_UPi000424111 UniRef90_UPi000466 UniRef90_UPi000466091A UniRef90_UPi000466091A UniRef90_UPi000467055A UniRef90_UPi000467055A UniRef90_UPi000467055A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi00046755A UniRef90_UPi0004476489 UniRef90_UPi0004416489 UniRef90_UPi000441648	UniRef90_P04657			GTKMVFAGLKABERADLIAFLKSNK
UniRef90_OSLLH2 UniRef90_GSNV12 UniRef90_GSNV12 UniRef90_GSNV12 UniRef90_DP(0004790BC9 UniRef90_UP(0004790BC9 UniRef90_UP(0003790BC9 UniRef90_UP(0003316F2A UniRef90_UP(0003316F2A UniRef90_UP(0003316F2A UniRef90_UP(0003316F2A UniRef90_UP(0003316F2A UniRef90_UP(0003706525 UniRef90_UP(0003706525 UniRef90_UP(0003706525 UniRef90_UP(000380FBD4 UniRef90_UP(000380FBD4 UniRef90_UP(000380FBD4 UniRef90_UP(000380FBD4 UniRef90_UP(0003706525 UniRef90_UP(0003706525 UniRef90_UP(0004270CF41 UniRef90_UP(0004270CF41 UniRef90_UP(0004706901A UniRef90_UP(0004706901A UniRef90_UP(0004706901A UniRef90_UP(0004706901A UniRef90_UP(000460091A UniRef90_UP(0004600304 UniRef90_UP(000460030	UniRef90_UPI000466F5AA			GTKMSFAGILKEDDI KAVIEYLKT
UniRef90_OSLLH2 UniRef90_GSNV12 UniRef90_GSNV12 UniRef90_GSNV12 UniRef90_DP(0004790BC9 UniRef90_UP(0004790BC9 UniRef90_UP(0003790BC9 UniRef90_UP(0003316F2A UniRef90_UP(0003316F2A UniRef90_UP(0003316F2A UniRef90_UP(0003316F2A UniRef90_UP(0003316F2A UniRef90_UP(0003706525 UniRef90_UP(0003706525 UniRef90_UP(0003706525 UniRef90_UP(000380FBD4 UniRef90_UP(000380FBD4 UniRef90_UP(000380FBD4 UniRef90_UP(000380FBD4 UniRef90_UP(0003706525 UniRef90_UP(0003706525 UniRef90_UP(0004270CF41 UniRef90_UP(0004270CF41 UniRef90_UP(0004706901A UniRef90_UP(0004706901A UniRef90_UP(0004706901A UniRef90_UP(0004706901A UniRef90_UP(000460091A UniRef90_UP(0004600304 UniRef90_UP(000460030		GI		MAFGLPKEKDRAHVIAYLATF
UNIRE190_UP10004790BC9 UNIRE190_UP10004790BC9 UNIRE190_UP10004790BC9 UNIRE190_UP10004790BC9 UNIRE190_QTYN57 UNIRE190_QSLUQ3 UNIRE190_QSLUQ3 UNIRE190_QSUJ37 UNIRE190_ADA024KBY3 UNIRE190_UP1000316F2A UNIRE190_UP10003316F2A UNIRE190_UP10003316F2A UNIRE190_UP100031BF5A UNIRE190_UP100031BF5A UNIRE190_UP100037D6525 UNIRE190_UP100037D6525 UNIRE190_UP100037D6525 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP100037D6525 UNIRE190_UP1000380FBD4 UNIRE190_UP100037D6525 UNIRE190_UP100037D6525 UNIRE190_UP100037D6525 UNIRE190_UP1000380FBD4 UNIRE190_UP100037D6525 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000447D41 GT K M A F A G L K D D D L A A V L A S UN K L	UniRef90_D0CYH6		МK	GTKMSFAGILKEEDRAALNAYLATF
UNIRE190_UP10004790BC9 UNIRE190_UP10004790BC9 UNIRE190_UP10004790BC9 UNIRE190_UP10004790BC9 UNIRE190_QTYN57 UNIRE190_QSLUQ3 UNIRE190_QSLUQ3 UNIRE190_QSUJ37 UNIRE190_ADA024KBY3 UNIRE190_UP1000316F2A UNIRE190_UP10003316F2A UNIRE190_UP10003316F2A UNIRE190_UP100031BF5A UNIRE190_UP100031BF5A UNIRE190_UP100037D6525 UNIRE190_UP100037D6525 UNIRE190_UP100037D6525 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP100037D6525 UNIRE190_UP1000380FBD4 UNIRE190_UP100037D6525 UNIRE190_UP100037D6525 UNIRE190_UP100037D6525 UNIRE190_UP1000380FBD4 UNIRE190_UP100037D6525 UNIRE190_UP1000380FBD4 UNIRE190_UP1000380FBD4 UNIRE190_UP1000447D41 GT K M A F A G L K D D D L A A V L A S UN K L	UniRef90_G3NVI2			GTKMVFGLKKKKERLDI I AYLK
UniRef90	UniRef90_B7QUA6		МК	. G I K M A F A G L K D A D L E A L I A Y L Q S
UniRef90	UniRef90_E2CEB7			G T S M G F A GII IK P O D R A DIV I IA Y M R
UniRef90_A0A024KBY3 UniRef90_D00033 UniRef90_P00093 UniRef90_A0A024KBY3 UniRef90_D00093 UniRef90_A0A024KBY3 UniRef90_UP100037D6525 GT K M M F P G L K D D D L A N V V A Y V Q T F K M A F A G L K E D D R E A D V L A Y L R A S L L I A Y L R A G L K A K D R E A A L L A Y L R A S L L I A Y L R A G L K A K D R E A A L L A Y L R A S L L I A Y L R A G L K A K D R E A D V L A Y L A A S L R A F A G L K D D D R A D V L A Y L A A S L R A F A G L K D D R E A D V L A Y L A A S L R A F A G L K D D D R A D V L A Y L A A S L R A F A G L K D D D R A D V L A Y L A A S L R A F A G L K D D D R A D V L A Y L A A S L R A F A G L K D D D R A D V L A Y L A A S L R A F A G L K D D D R A D V L A Y L A A S L R A F A G L K D D D R A D V L A Y L A S R A G L R A K D L L A Y L A S R A G L R A K D L L A Y L A S R A G L R A C L L A Y L A S R A G L K D D D R A D V L A Y L A S R A G L K D R D D R A D V L A Y L A S R A G L K D R D D R A D V L A Y L A S R A G L K D R D D R A D V L A Y L A S R A G L K D R D D R A D V L A Y L A S R A G L K D R D D R A D V L A Y L A S R A G L K D R D D R A D V L A Y L A S R A G L K D R D D R A D V L A Y L A S R A G L K D R D D R A D V L A Y L A S R A C L K D R D D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A M S F A G L K D R A D V L A Y L K T R A G L K D R A D V L A Y L K T R A G L K D R A D V L A Y L K T R A G	UniRef90_Q1YN57 UniRef90_Q5LUQ3			G N R M A F P G L K D S E V I D L L A Y L A I F G T N M D F A G L D P Q D R G D I L A Y L R R F
UniRef90_P00093	UniRef90_V4TMS1			GTKMAFPGLKDEELADVIAFLA
UniRef90_P00093	UniRef90_Q8UJ37 UniRef90_A0A024KBY3			GT K M S F P G L K D D D L A N V V A Y V Q T F
UniRef90_UP100037D6525 UniRef90_W5BGZ9 UniRef90_UP1000380FBD4 UniRef90_UP1000380FBD4 UniRef90_UP100042A4111 UniRef90_UP100042A4111 UniRef90_D00046 UniRef90_UP1000273CF41 UniRef90_D1P1000273CF41 UniRef90_A9RJ09 UniRef90_A9RJ09 UniRef90_A8LJ38 UniRef90_W8S6R7 UniRef90_W8S6R7 UniRef90_UP1000469091A UniRef90_D1P000469091A UniRef90_Q1YKE8 UniRef90_UP1000469081 UniRef90_UP10002EF3D90 UniRef90_UP100036D7CA8 UniRef90_UP100044716489 UniRef90_UP10004416489 UniRef90	UniRef90_UPI0003316F2A	V C C D D	IZ A	GTKMIFAGIKKKERAELIAYLR
UniRef90_UP100037D6525 UniRef90_W5BGZ9 UniRef90_UP1000380FBD4 UniRef90_UP1000380FBD4 UniRef90_UP100042A4111 UniRef90_UP100042A4111 UniRef90_D00046 UniRef90_UP1000273CF41 UniRef90_D1P1000273CF41 UniRef90_A9RJ09 UniRef90_A9RJ09 UniRef90_A8LJ38 UniRef90_W8S6R7 UniRef90_W8S6R7 UniRef90_UP1000469091A UniRef90_D1P000469091A UniRef90_Q1YKE8 UniRef90_UP1000469081 UniRef90_UP10002EF3D90 UniRef90_UP100036D7CA8 UniRef90_UP100044716489 UniRef90_UP10004416489 UniRef90	UniRef90_A0NUZ1	K S G D P	ΚA	K M A F A GL K E D D R E N V I A Y L N Q
UniRef90_UP100042A4111 UniRef90_G8AW69 UniRef90_P00046 UniRef90_UP1000273CF41 UniRef90_A9RJ09 UniRef90_A8LJ38 UniRef90_W85GR7 UniRef90_UP1000469091A UniRef90_UP1000469091A UniRef90_UP1000469091A UniRef90_UP10002EF3D90 UniRef90_UP10002EF3D90 UniRef90_UP100036D7CA8 UniRef90_UP1000467D55A UNIREF90_UP	UniRef90_I1BT54			GTKMAFAGKKAKDRSDVVAYLK
UniRef90_UP100042A4111 UniRef90_G8AW69 UniRef90_P00046 UniRef90_UP1000273CF41 UniRef90_A9RJ09 UniRef90_A8LJ38 UniRef90_W85GR7 UniRef90_UP1000469091A UniRef90_UP1000469091A UniRef90_UP1000469091A UniRef90_UP10002EF3D90 UniRef90_UP10002EF3D90 UniRef90_UP100036D7CA8 UniRef90_UP1000467D55A UNIREF90_UP	UniRef90_W5BGZ9			GTKMVFPGLKDDERADVIATLAS
UniRef90_P00046 UniRef90_UPl000273CF41 T K Y \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	UniRef90_UPI000380FBD4			GIKMAFPGIIKDDDIIAAWIFYIIKSE
UniRef90_UPI000273CF41	Office 190_COAVVO3			GNKMAFAGKNEQARKOLIAFLK
UniRef90_W856R7 UniRef90_P86321 UniRef90_UPl000469091A UniRef90_G1XVX0 UniRef90_UTKE8 UniRef90_UTFZD6 UniRef90_UPl0002EF3D90 UniRef90_UPl00036D7CA8 UniRef90_UPl000467D55A UniRef90_UPl00036D7CA8 UniRef90_UPl00036D7CA8 UniRef90_UPl000467D55A UniRef90_UPl000467D55A UniRef90_UPl000467D55A GT X M X F A G L K P E D R A A I I E F L R GT X M F F G G L K P E D R A A I I E F L R UniRef90_UPl000467D55A GT X M F F G G L K P E D R A A I I E F L R UniRef90_UPl000467D55A GT X M F F G G L K D A E R A N V I A Y L K T F C R A D L I A Y L R UniRef90_UPl000467D55A GT X M F F G G L K D A E R A N V I A Y L K T F C R A D L I A Y L K T F C R A D R A D L I A Y L K T F C R A D R A D L I A Y L K T F C R A D R A D L I A Y L K T F C R A D R A D L I	UniRef90_P00046 UniRef90_UPI000273CF41	TKYIID		GIKMAFAGKKPADRNN VI TY L K GTKM FS KKKSFRFD OV K
UniRef90_W856R7 UniRef90_P86321 UniRef90_UPl000469091A UniRef90_G1XVX0 UniRef90_UTKE8 UniRef90_UTFZD6 UniRef90_UPl0002EF3D90 UniRef90_UPl00036D7CA8 UniRef90_UPl000467D55A UniRef90_UPl00036D7CA8 UniRef90_UPl00036D7CA8 UniRef90_UPl000467D55A UniRef90_UPl000467D55A UniRef90_UPl000467D55A GT X M X F A G L K P E D R A A I I E F L R GT X M F F G G L K P E D R A A I I E F L R UniRef90_UPl000467D55A GT X M F F G G L K P E D R A A I I E F L R UniRef90_UPl000467D55A GT X M F F G G L K D A E R A N V I A Y L K T F C R A D L I A Y L R UniRef90_UPl000467D55A GT X M F F G G L K D A E R A N V I A Y L K T F C R A D L I A Y L K T F C R A D R A D L I A Y L K T F C R A D R A D L I A Y L K T F C R A D R A D L I A Y L K T F C R A D R A D L I	UniRef90_A9RJ09			ĞTKMVFPGLKPQERADLIAYLKS
UniRef90_K2PIC5 G T S M G F A G L K D A E R A N V I L Y L H T UniRef90_U4V264 G T K M S F S G K K E K D I A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G L K E K D R N D L I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D I A A V I A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VIS7 G T K M S F G G L K K D D D D A V I A Y L S T F F	UniRet90_A8LJ38 UniRet90_W8S6R7			G I K M S Y K G M P E Q D R A D L L A Y M R D F GL R M V F R G I N F O D R D D I I A Y I R
UniRef90_K2PIC5 G T S M G F A G L K D A E R A N V I L Y L H T UniRef90_U4V264 G T K M S F S G K K E K D I A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G L K E K D R N D L I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D I A A V I A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VIS7 G T K M S F G G L K K D D D D A V I A Y L S T F F	UniRef90_P86321			KTKMUFAGLKPEDDDAVVAYLKTF
UniRef90_K2PIC5 G T S M G F A G L K D A E R A N V I L Y L H T UniRef90_U4V264 G T K M S F S G K K E K D I A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G L K E K D R N D L I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D I A A V I A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VIS7 G T K M S F G G L K K D D D D A V I A Y L S T F F	Uniket90_UPI000469091A UniRef90_G1XVX0			KIKMSFKGIIKDEEKSHLLIAYLIR GTRMAFPGLISAQDRADVIIAYLISGIIK
UniRef90_K2PIC5 G T S M G F A G L K D A E R A N V I L Y L H T UniRef90_U4V264 G T K M S F S G K K E K D I A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G L K E K D R N D L I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D I A A V I A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VIS7 G T K M S F G G L K K D D D D A V I A Y L S T F F	UniRef90_Q1YKE8			GTKMVFPGKKEQEMVDII AYLASF
UniRef90_K2PIC5 G T S M G F A G L K D A E R A N V I L Y L H T UniRef90_U4V264 G T K M S F S G K K E K D I A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G L K E K D R N D L I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D I A A V I A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VIS7 G T K M S F G G L K K D D D D A V I A Y L S T F F	UniRef90_U/FZD6 UniRef90_UPI0002EF3D90		M P	CTRMAFAGILKDEEILENVIAYLKIFQ GTRMAFAGILKPQDRADVIAYLKT
UniRef90_K2PIC5 G T S M G F A G L K D A E R A N V I L Y L H T UniRef90_U4V264 G T K M S F S G K K E K D I A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G L K E K D R N D L I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D I A A V I A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VJS7 G T K M S F V G L K D D D D D A V I A Y L S T F F	UniRef90_P00081			GNKMALAGI KPEELDNLIAYL
UniRef90_K2PIC5 G T S M G F A G L K D A E R A N V I L Y L H T UniRef90_U4V264 G T K M S F S G K K E K D I A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G L K E K D R N D L I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D I A A V I A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VIS7 G T K M S F G G L K K D D D D A V I A Y L S T F F	UniRef90_UPI00036D/CA8			G T T M A F A G I D P Q E E A N L I A Y I I
UniRef90_K2PIC5 G T S M G F A G L K D A E R A N V I L Y L H T UniRef90_U4V264 G T K M S F S G K K E K D I A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G L K E K D R N D L I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D I A A V I A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VIS7 G T K M S F G G L K K D D D D A V I A Y L S T F F	UniRef90_UPI000360C3D4			GTKMTFPGLKDADVANVIAYLKTF
UniRef90_U4V264 G T K M S F S G K K E K D II A A T I E Y L K S F UniRef90_UPI0004416489 G T K M A F A G IL K E K D R N D IL I T W L K UniRef90_B7RJ59 G T K M G F A G L K E D D II A A V L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VJS7 G T K M S F G G L K K D D D II D A V L A Y L S T F F	UniRef90_D8RFW8 UniRef90_K2PIC5			GTSMGFAGI KDAFRANVI TYLHT
UniRef90_B7RJ59 G T K M G F A G L K E D D L A A V L A Y L S T F UniRef90_U4LKE6 G T K M A F G G L K K A D R N D L I T Y L K UniRef90_A3VJS7 G T K M S F V G L K D O D L D A V L A Y L S T F F				GTKMSFSGKKEKDDAATI EYLKSF
UniRef90_U4LKE6	UniRef90_UPI0004416489 UniRef90_B7RJ59			G T K M G F A GII IK F D DII IA A IV I IA Y II IS T F
UniRef90_A3V367 UniRef90_A7HW37 G T N M A F P G L K E E D R A S L I A Y L K S G T R M S F G L K N A K D R H D V L A Y L R UniRef90_A3SZG8 M K G T K M S F G L K K E S D K A V T E Y L K T F UniRef90 K2K603 Y A K T K M T F A G L K D S F L A A V T E Y L K S V	UniRef90_U4LKE6			GTKMAFGGLKKADRNDLITYLK
UniRef90_D0CYH5 GTRMSFGIKNAKDRHDVIAYLR UniRef90_A3SZG8 MKGTKMSFGLKKESDIKAVTEYLKTF UniRef90_K2K603 YAKTKMTFAGIIKDSFIAAVTEYLKSV	UniRef90_A3VJS7 UniRef90_A7HW37			GTNMAFPGLKEEDRASLIAYLKS
UniRef90 K2K603	UniRef90_D0CYH5		ML	GTRMSFGIKNAKDRHDVLAYLR
	UniRef90_K2K603		Y A	KTKMTFAGLKKESDI KAVIEYLKIF

UniRef90_F4P822 UniRef90_B8C6T1 UniRef90_UP100047001C8	1 10 GNATNGAKLFKF GNEKKGAKVFKK	R C A Q C	20
UniRef90_UPI0003EC52C4 UniRef90_C1BN51 UniRef90_V9R6P5	GDVERGKKI FOK GDI KKGKSL FKK QANVTKGKEL TKK		HIVE AGGAHKVGPNL YGLFGRQS HTVE AGGAHKQGPNL YGFFGRQS HTVE EGGKNKIGPNLHNI VGAAA HTVE KGGKHKPGPNLHGLFGQKT HTVE KGGKHKVGPNLHGLIGRKT HTPE KGGANRVGPNLHGLIGRKT HTPE KGGANRVGPNLHGVVGREA HNV ADAKHKVGPSLHGVVGRQP HNV ADAKHKVGPSLHGVVGRQP HNV ADAKHKVGPSLHGVVGRQP
UniRef90_UPI0001DD0EED UniRef90_K2QZC6 UniRef90_F8NR02	GDPAAGEKAFAN EGDAAAGEAVFKK GDASKGASIFKF		CHSVEAG VNKTGPSLHGVVGREACHNV ADAKHKVGPSLQGVVGRQPHNIEESQGNKIGPNLHGLFGRKT
UniRef90_K2LW18 UniRef90_U2XLG2 UniRef90_UPI00036A73FC	GDAEKGEKVIFKK GDAVAGAKVFKK GDLENGRRAFAF	CKSC	H S V E P G Q N K V G P S L A G A F G A Q C H L V G A G A K N R V G P H L N N I I G R N L H T L G E G G P D M A G P N L Y G V F G R K A
UniRef90_UPI00037F0336 UniRef90_UPI0003C8E2B7 UniRef90_UPI000379AF07 UniRef90_UPI0002D85D02	DVAKGKISVOK VAAGERVFKK		HTVEKGGKQKSGSNLHGLFGQKT HQVGENATNRSGPKLNGIVGRTA
UniRef90_W0AFK9 UniRef90_B9JY23 UniRef90_F9F999	GDAAKGKTAFLT DVKAGEAIFKK GDIKKGANLFKF		H S P D A G
UniRef90_U2ZDX5 UniRef90_F2J566 UniRef90_UPI000273F816	DILAAGERAFAF EADAARGETLYKA GDILEKGKKI FQK	C M A C C K T C C A K C	HTI NQGGADGI GPNL WGAVGGPM HQI GDGARNGVGPHLDALFGRVA HTVGKGGKHRTGPNL CGFCGQKT
UniRef90_Q219R7 UniRef90_D0RR29 UniRef90_K8PJB1 UniRef90_A1UU31	E A G E GV F K G D A A A G E K V F A G D A A G E K V F A G		H S V E P G Q N K V G P S L A G A F G A Q C C H S V G A K N R V G P H L N N I I G R N K A N R V G P H L N N I I G R N K A N R V G P H L N N I I G R N K A N R V G P H L N G V V D R R P I L F G R N K A G P N L F G R G R T A I L F G R T A I L
UniRef90_J2HBL0 UniRef90_UPI00038F0601 UniRef90_V4NRI3	NI EAGKAVTAK		C
UniRef90_Q3SVY7 UniRef90_UPI0000DA4406 UniRef90_A3SQX3	A E N G A V V A K K G D V E K D K K T F Q K V A E G E K L F R K G D P A A G E K I F P F		HNDHEGGPNMTGPGLWGVVGRGT HTFEKGGPNRVGPNLYGIVGEPR HTVERGGKHEIGPKLHGLFMWKT HQVGDKAKNRSGPLLNGVVDRAA
UniRef90_K0X1U6 UniRef90_J9A3F6 UniRef90_A8I5P2 UniRef90_H9KRS8	G D P A A G E K I I F P F K G E K V A K K D V A K G E Q A F K K G D P V K G K T I I F R N		H Q V G D K A K N R S G P L L N G V V D R A A H Q V G P D A R P G F G P Q L N G I I G R P A H A F E K G G A N K I G P A L W G I V N R D I H A V G P E A K T K V G P P L N G I V G A K W H T V G K N F K H R V G P N I F G I F G K T
UniRef90_Q4FNB3 UniRef90_B6JIX6 UniRef90_UPI0003B4E2DA	GDVTLGEKIFKK EGDAARGQQVYKK DAQKGAEVFKK	C A A C C Q A C C G A C	CHAVGPEAKTKVGPPLNGIVGAKW CHTVGKNEKHRVGPNLFGIFGKTC CHSIEKGGPNKIGPALYNVVGSKV CHSLEPG RNGLGPSLAGIVGQKA CHSDQKGGPNQIGPQLWAVVGRPV CHQIGEGAKNRSGPILKGVVARTA
UniRef90_UPI0004682A1E UniRef90_UPI00047C482E UniRef90_A0A059FK58 UniRef90_J0QYU1	A K A G E K V F R K D I E A G K A L F K K D V S R G E R T F K C	CKSC	H QIL G E G A K N R S G P IL T G IV D G P A C H N A D T D S N K V G P T L K G V V A R T A C H T IL D A G G A N G T G P N L H G V V G A A K C H S G A K D G S N R V G P P L W D IV N R P F
UniRef90_D8JTY1 UniRef90_UPI0003EE350D UniRef90_R0ECF3	KANAENGKAIFKK DVEKGKKVFOK	CASC	C
UniRef90_UPI0003F1213E UniRef90_K2KVZ3 UniRef90_C8RYL8	D W E K D K K I F Q K D M G E G E K V F K K	CASC	H T V E R G G K H K T G P N L H G L F G W K T H D V E K G G P N K T G P N L Y G L V G A A F
UniRef90_R0F7F2 UniRef90_G8PLZ7 UniRef90_D0CUF3 UniRef90_C6XQB6	DADAGAKQAKK DPEKGAKVFRK		HTVLAGRKMKTGPNLYGVFGRVA HQLVSDEGGRTGPNLWGIAGRQA HTFDQNGKNKVGPNLWGIAGRAP HKLEKGANGTGPYLYGVVNRPV HYVEP AKTKMGPSLFGLVGSKS HVVQAGRNARTGPNLWQAVGNRP HSFEKGGPNKVGPNLYGIVGAAV HSFEKGGPNKVGPNLYGISGRTA HENHVGPSLMGVVGRPV HTATA HENHVGPSLMGVVGRPV HTVEAGGKKKVGPNLHGLIGRKT HTVEAGGKKKVGPNLHGLIGRKT HTVNKGGANKGIGPNLYGLFGRAS HTVNKGGANKGIGPNLYGLFGRAS
UniRef90_S9QU48 UniRef90_UPI0003637DE2 UniRef90_UPI00037C1AD8	G D A A G E Q Q F R G D V S A G E N G V R A G D A T K G K K A F N K	CVSC CQAC CKSC	H V V Q A G R N A R T G P N L W Q A V G N R P H S F E K G G P N K V G P N L Y G I V G A A V H M I V D D G G N K T G P N L Y G I S G R T A
UniRef90_B9J7U2 UniRef90_A0A059KXU7 UniRef90_B4G8S0	D G D A V A G A T V F K K G D A E A G A T L F K F G D V E K G K K L F Q F		HTATA HENHVGPSLMGVVGRPV HQVGESARGSFGPQLNGIFGRPS HTVEAGGKHKVGPNLHGLIGRKT
UniRef90_A7ANI1 UniRef90_D4Z550 UniRef90_G5ZWR5 UniRef90_R1GA93	DGDAQKGAKLIFKK DVAAGEKVFAK GDAKKGANIFK		CHINKGGAIKQGPNLYGLFGRAS CHINQGGANGIGPNLYGIFGRAS CHVVNK EQNRTGPHLVNLLGRAS
UniRef90_W9DX92 UniRef90_Q5GTG0 UniRef90_J6UDW6	GDIVTGEKVFKK EKGKSIAKK VEKGQAAARK		CHVVNK EQNRTGPHLVNLLGRTA CHTLKADEGNKVGPHLVNLLGRTA CHSIVKGGKNNIGPALYNVVGRKM CHSFDKGGANKVGPNLWNIVGNKK CHVFEKGGPNKVGPDLWGVVGRPV CHTVEKGGKHKIGPNLHGLFGWKT
UniRef90_G3RLK9 UniRef90_I7ISP0 UniRef90_UPI000365275D	GDVQKGKKI FMK GDASKGAKI FKK KGEQAVKK	C S Q C C A Q C C A A C	CHTVEKGGKHKLGPNLHGLFGWKT CHTLNKGGAAKQGPNLFGFFGRKS CHGFEKGGPAKAGPNLYGIVGLKH CHNVNKD KNKLGPHLVGIVGRKA
UniRef90_X0RPC9 UniRef90_E1FYJ0 UniRef90_Q1GVI0 UniRef90_W9C0D8	E G D Y E R G K K L F K F D P A K G E A V F A K		HVIDSDA NKNGPTLKGVIGRKS
UniRef90_L0H0T2 UniRef90_D0D4Q8 UniRef90_UPl000369B018	K A D P Q R G A K V F L C A A E G E K V F R K D V G A G E R V A R F	CKAC CKAC	CHVAAPGAEPTVGPNLWNVVGRPV CHQVGDGATNRTGPLLNGIVGREI CHTFEQGGADMTGPHLWGVVGREI CHKVGPNPARSIGPALNGVVGRTA CHSFEKGGAAKVGPNLWGVVDGPH CHTVEEG SGKTGPHLHGLFGRTT
UniRef90_T0K9P2 UniRef90_W9H620 UniRef90_A0A058ZAD9 UniRef90_G6XSK7	K G D A A H G Q Q L F A F D P A A G A K L F K F E G D A A G A K L F K F	C A A C C A S C C A T C	CHKVJGPNPARSII JGPAL NGV V JGRTA CHSFEKGGAAKVJGPNL WGV V JDGPH CHTVEEG SGKTGPHL HGL FGRTT H V JAFTDONK V JGPSL NGL FGRTT
UniRef90_B6JFH4 UniRef90_UPI0003B54B9C UniRef90_A3UFM2	E G D V T K G E Q A F K V	C M A C	H A V G P G A K N K V G P E L N G I V G R K W
UniRef90_F0VPL5 UniRef90_K2JK07 UniRef90_X7F9U3	GDLKAGAKVFKK GDAAAGQKVFNK GDPEAGARAFRN	CSQC CRAC	HTFDSGMADGTGPHLYGVLGRAV HTINAGGAAKAGPNLHGFIGRES HVADK ETNRVGPHLVGIIGRKT
UniRef90_F2WQ37 UniRef90_UPI00037591D3 UniRef90_R1DEP9	D G D IV IK K G A K L IF K K G D A A A G E K V F A A D G D A D S G E K V F K K	CYQC CRTC CATC	HAVVADDGGRAGPNLYGIAGRRA HTUEAGGNAKQGPPLWGIMGRAS HVFD DGVNRVGPSLHKIVGRKS HTCNEGGPNKQGPNLFGVMGRQS
UniRef90_UPI00046728C6 UniRef90_UPI0003757DB3 UniRef90_D5BRT8	D U A G S G E R V F N K D I E N G R R V F R L D V A N G E K V F K F	C A A C C V A C C K A C	HTCNEGGPNKQGPNLFGVMGRQS HKLEDGA NGVGPHLFGVVDRDI HTVDSD RNGFGPHLKGVFGRAA HYADK EKNKTGPHLVNI I GRKA

	50 60 70 80
UniRef90_F4P822	GSSPGFSYSVAMEKKKVT WD E E Q M F [Y L E N P K K F VP
UniRef90_B8C6T1 UniRef90_UPI00047001C8	GLADGYSYSSAN KKSGI MWGEDTLFEYLENPKKYLK GQKEGYKYSKAM ANSGI TWDAETLDAFLKKPKAF_
UniRef90_UPI0003EC52C4	G Q P P G F S Y T E K N K G Q Q E Q G L T W G D A T L M E Y L E N P K K Y I P
UniRef90_C1BN51	GQAPGYNYTAANI GKGLTWSDETLDEYLTNPKKYIP AHGDSFNYSKAML SKG <u>G</u> TWEHQDLFQFLTKPQAYIK
UniRef90_V9R6P5 UniRef90_UPI0001DD0EED	G T V A D F N Y T D A N K N S GIL T W T P F F I I F V Y I A D P Q A T I I P
UniRef90_K2QZC6	GVAEGFRYSKAMTDFG ADKVWDDAQLAAYLENPRGVVKGQVPDFSYTSAN KEKGITWNEETLFEYLEKPSKYIPGHVADFKYGKGYQAACEKGFTIDEAFLVDYLQDPSAKLSE
UniRef90_F8NR02 UniRef90_K2LW18	GQVPDFSYTSAN KEKGLTWNEETLFEYLEKPSKYIIP
UniRef90_U2XLG2	GALDGFKYSKGLMAFAEENPVWTESLLDAYLLNPRQVIK
UniRef90_UPI00036A73FC UniRef90_UPI00037F0336	G D R P R Y N Y S N A M R T A T F S WD A E K L D H W L E N P R T F L P G A H E G F A Y S A A M K D F K G A S E K W T F D H L N H F L A A P K K Y I A
UniRef90_UPI0003C8E2B7	GALDGFKYSKGLMAFAEENPWWTESLLDAYLLNPRQVIK GDRPRYNYSNAMRTATFS WDAEKLDHWLENPRTFLP GAHEGFAYSAAMKDFKGASEKWTFDHLNHFLAAPKKYIA GQAPGFSYLDAN KNKSITWGESTLMEHLENPKKYIP GTVEGFRYSGAMEEAGANGLVWDHESLAGFLADPRGY
UniRef90_UPI000379AF07	G T V E G F R Y S G A M E E A G A N G L V W D H E S A G F L A D P R G Y A A A A G F S Y S D A L S G M K G K N W D W D N L W G W L K S P K A F
UniRef90_UPI0002D85D02 UniRef90_W0AFK9	GTITA G F N Y T P A N KN S GIT WT P E KL F Q Y L E A P Q R V V P
UniRef90_B9JY23	GT LAGFNYTPAN KNSG TWTPEKLFQYLEAPQRVVP ASHEGFAYSAGMKDFKGSSEHWTFENLNHFLLTAPKKFVA
UniRef90_F9F999 UniRef90_U2ZDX5	GSVEGYAYTGAN KEKGTEWNDQTLSVYLENPKKYIP LHSAGFDYSPALREHAAQNPTWTYDELDQFITAPSRHVR
UniRef90_F2J566	G S IL ID G F K Y S S A M K A K G A A G IL IA W D E A T IL ID A Y IL IA K P Q A IL V IP
UniRef90_UPI000273F816 UniRef90_Q219R7	ĠQĀADFSYTDAN KNKĠI TRGEDTL MEYLENSKKŢI P GTAPGFAYSP <u>LN</u> KAAGEAGLVWTNE <u>L</u> VMQYLPDPNAFLKK
UniRef90_D0RR29	GAVEGFKYSAALSGY G <u>K</u> NWTFEELNGFLHKPMKYIK
UniRef90_K8PJB1 UniRef90_A1UU31	GSI E G F N Y S A A N K N S G L T W D E A T F R D Y I K D P K A K I P A V M K G F T Y S K A L R E N S D K K W D F V T L D R Y L Q S P R K E I P
UniRef90_J2HBL0	G S H G G F A Y S A A M T E F G G K Q P V W D Y D H I D Q F L K A P G K Y V S
UniRef90_UPI00038F0601	G Q A
UniRef90_V4NRI3 UniRef90_Q3SVY7	GQGHDFNFSAAM KAKGGTWTILIDEILIDKFILIANPKEYII IP
UniRef90_UPI0000DA4406	GQAAGILISY I IVIAN KNKGII I I I LIREDI MMEYILIEN PRKYII IPA
UniRef90_A3SQX3 UniRef90_K0X1U6	A T V D G F K Y S K G M V S A A E D G L T W D D A T L R A F L T K P K D V V K G T S A N Y V Y S D A M K N S G K T W D R D T L T A Y L K D P K G V V P
UniRef90_J9A3F6	A SIVID G F G Y S D A IL IN D M G G N W D Y N A IL IN G F IL IE N P K K Y A A
UniRef90_A8I5P2 UniRef90_H9KRS8	A H F E G Y A Y S E D L K A G A A A G K V W D E A T L N D Y L T N P K V L A P K G T T A G F N Y T D A M K N K N I V W N E S T L D E Y L R L P K D F V P
UniRef90_Q4FNB3	GAVEDYKYSKTLASY GKDWTFEELNGFLTKPSSYLK
UniRef90_B6JIX6 UniRef90_UPI0003B4E2DA	A DVP N Y N F S A A M K G S G L T W D V A T L D R Y L A D P Q K V V P
UniRef90_UPI0004682A1E	A S E A G F S Y S D A L K A K S G P W T F D E L F A W L K S P K A Y A P G A V D G F K Y S K P M K A A A E G G L I W T E D E L A A F L A K P K G Y
UniRef90_UPI00047C482E	GSVPGYLYSKAMRDAGAAGLVWDEPNLTEYLANPKAKVPTHHHADFNYSAAMTSL GGTWTYEDLNHWLENPSSFARAFLQNFSYSRAMRDNADK HWNFATLDTYLRAPRKMIP
UniRef90_A0A059FK58 UniRef90_J0QYU1	A FILQ N F S Y S R A M R D N A D K HWN F A T L D T Y L R A P R K M L P
UniRef90_D8JTY1	ASFPGFAYSDAM KAKGGEWSFEELAKFI HSPKTYI P
UniRef90_UPI0003EE350D UniRef90_R0ECF3	ASFPGFAYSDAM KAKGGEWSFEELAKFIHSPKTYIPGQAPEFSYMDAN KNKGITWGEETLMEYLENPKKYVPGTHPGFNYSSAMKDFGGKTPMWDYDHLYEFLKAPGKYVS
UniRef90_UPI0003F1213E	GQAPGESYTDIVII KSKGII ITWGEDTII IMEYKENPKNYII IP
UniRef90_K2KVZ3 UniRef90_C8RYL8	AHKDDFSYSDGM ANHGGTWGFEELNEFLYKPRDYII GTYPDFAYGPDMVAAGAKGLVWDEAQFTAYTADPSKFLQA
UniRef90_R0F7F2	GTYPDFAYGPDMVAAGAKGLVWDEAQFTAYTADPSKFLQAGTVEDFRYGDDLVAAGEAGLVWDEAQFTSYLEDPRGFLRE
UniRef90_G8PLZ7 UniRef90_D0CUF3	A SHGGFS Y SAAMQEFAAN NPEWT FEQL NEFI KAPKKHVA ASAEGFGY SAAMQSH GGNWT PEEL DAFL AN PKGYI
UniRef90_C6XQB6	A S S E G F R Y S P A M K E A GIL IT WD A Q T IL ID E F IL IA S P R K A IV IP
UniRef90_S9QU48 UniRef90_UPI0003637DE2	AHVEGFAYSPAMKAYGESGVLWAEDNLVHYLLDPTTHLRE LGHADFNYSSGMKEWG ADKTWTYANLDAFLENPRKEVP
UniRef90_UPI00037C1AD8	GSVDGFKYGKSLAALGETGFVWSEAEFVTYVANPKKYLAD
UniRef90_B9J7U2 UniRef90_A0A059KXU7	ATVPDYSYSTAMKAFGADGKVWDEALLRKYLPSPQFLVK
UniRef90_B4G8S0	GQAAGFAYTDAN KAKGI TWNEDTL FEYLENPKKYI P
UniRef90_A7ANI1 UniRef90_D4Z550	GS ADYAYTDAN KSSGI VWSDKHLIFIVYL VNPKEYI P
UniRef90_G5ZWR5	G S V E G F K Y S K A M K S S G I V W D E E T L D G Y L K A P K K Y L K
UniRef90_R1GA93 UniRef90_W9DX92	GQVDGFSYTDAN KQKGVTWDENSLFDYLENPKKYII P GSIISDYKYSKALIAYGEE KEWTFEELNGFLTKPSKWIIKN
UniRef90_Q5GTG0	GHADFNYSSGMKEWG ADKTWTYANLDAFLENPRKEVPGSVDGFKYGKSLAALGETGFVWSEAEFVTYVANPKKYLADATVPDYSYSTAMKAFGADGKVWDEALRKYLPSPQFLVKGSTTDYQYSDAM KSAGIVWTEALTLTAYLEAPKDVVPGQAAGFAYTDAN KAKGITWNEDTLFEYLENPKKYIPGSADYAYTDAN KSSGIVWSDKHLFVYLVNPKEYIPGSADYAYTDAN KSSGIVWSDKHLFVYLVNPKEYIPGSVEGFKYSKAM KSSGIVWDEETLDGHWLTSPREFAPGSVEGFKYSKAM KSSGIVWDEETLDDHWLTSPREFAPGSVEGFKYSKAM KSSGIVWDEETLDDYLENPKKYIPGSISDYKYSKALIAYGEE KEWTFEELNGFLTKPSKWIKNAHGDSFNYSKAML KAKGGTWTLEEILNGFLTKPSKWIKNAHGDSFNYSKAML KAKGGTWTLEEILNGFLTKPSKWIKNAHGDSFNYSKAML KAKGGTWTLEEILNGFLTKPSKWIKNAHGDSFNYSKAML KAKGGTWTLEEILNGFLTKPSKWIKNAHGDSFNYSKAML KAKGGTWTLEEILNGFLTKPSKWIKNAHGDSFNYSKAML KAKGGTWTLEEILNGFLTKPSKWIKNAHGDSFNYSKAML KAKGGTWTLEEILNGFLTKPSKWIKNAHGDSFNYSKAML KAKGGTWTLEEILNGFLTKPSKWIKNAHGDSFNYSDAL KAKGGTWTLEEILNKSPKDYIR
UniRef90_J6UDW6 UniRef90_G3RLK9	A S H E G F N Y S D A L K A K G G T W T L E E I D K F I T S P K G Y V P W O D P G Y S Y T A S N K N K C I I W V E D T I M E V I E N A K K V I D
UniRef90_I7ISP0	GSTD YGYSEANKNLYDLGLVWTEKHLFQYLLNPREYIP
UniRef90_UPI000365275D UniRef90_X0RPC9	GSTD YGYSEANKNLYDLGLVWTEKHLFQYLLNPREYIPAHMEGFGYSDAMK KTSDKVWDFANLDHWLENPKGYIGLVTKYKYSKALLAKAAEGLVWDKASLSAYLQKPKAFIPR
UniRef90_E1FYJ0	GTVDGYPYSTAN KNKGVVWTRETLFEYLLDPKKYLP
UniRef90_Q1GVI0 UniRef90_W9C0D8	
UniRef90_L0H0T2	A S V A G F A Y S D A L K S K S G P W T F A E M N K W L T S P K A Y A A S Q P G F D Y S E G L E A V G G N W G F E T L S R Y L F D P R A M A G A V D G F R Y S S T L E G M S G V W D S D A L H G F L A D P R G Y A K A S A S G F N Y S D A L K G L Q A E H G Q W L W A S L D G F L E S P R R Y A P G S E A G Y R Y S P A M K A S G L K W D A A N L N H F L L D P K K Y P G A V S G Y N Y S Q A N K N A G V T W D D Q T L F D Y L E N P K K Y P
UniRef90_D0D4Q8 UniRef90_UPI000369B018	GAVDGFRYSSTLEGMSG VWDSDALHGFLADPRGYAK
UniRef90_UP1000369B018 UniRef90_T0K9P2	GSEAGYRYSPAM KASGIKWDAANLDKLLQGPSKLVP
UniRef90_W9H620	GHMEGFAYSSALKEMPG NWDYEALNHFLLNPKGYAP
UniRef90_A0A058ZAD9 UniRef90_G6XSK7	CT P N E A V S P A M O D A C K A C I V W D E T S E P D V I P D P K A K V K
UniRef90_B6JFH4	A A V E G Y N Y S A D L T A G K N S K V W D E A T L D D Y I T N P K H L A P R G E L E G F N Y S D A V L E A D F Q W T P E Q L D H W L E N P R A F L P
UniRef90_UPI0003B54B9C UniRef90_A3UFM2	A A IV ID G F N Y S G A M Q E Y A T T T S D W H Y F N II I Y N F II F N P R R Y II P
UniRef90_F0VPL5	A A V D G F N Y S G A M Q E Y A T T T S D WH Y E N L Y N F L L E N P R R Y I P G K A D F P Y S D A N K T S G I V W S E K H L W E Y L L N P K T Y I P A S V D G F K Y S D G M K A A G E K G L V W T E E N F T K Y M K D P K D F V P G T V A G F N Y G D S L Q R A G A Q G L T W T Q E T F V D Y L V N P T E Y L K E G T Y D G F A Y S D A N K N S G I T W S P K H M F E Y L V N P K K Y I P G S V A G F A Y S D A N K N S G I T W T P Q V L F E Y L K D P K A Y V P C S V A G F A Y S D A N K N S G I T W T P Q V L F E Y L K D P K A Y V P
UniRef90_K2JK07 UniRef90_X7F9U3	A SIVID G F K Y S D G M K A A G E K G L V WT E E N F T K Y M K D P K D F V P G T V A G F N Y G D S L O R A G A O G L T W T O F T F W D V L V N P T F V L K F
UniRef90_F2WQ37	GTYDGFAYSDAN KNSGITWSPKHMFEYLVNPKKYIP
UniRef90_UPI00037591D3 UniRef90_R1DEP9	GSVAGFAYSDAN KNSGITWTPQVLFEYLKDPKAYVP GQVDGFKYTAA <u>N</u> KGSGIMWAEQT <u>M</u> FDYLANPKKYIK
UniRef90_UPI00046728C6	GAVDGFKYTAAN KGSGIMWAEQTMFDYLANPKKYIK GAVDGFSYSGALSE QDAEAWTPETLFAFLEDPRGWAP GSLPDYRYSEAMKTAGAGGLVWDEATLSEFLSSPKKKVP
UniRef90_UPI0003757DB3	ĠSLPDYRYSEAMKTAGAGGLVWDEATLSEFLSSPKKKVP GSIEGYKYSKAMR ESGLIWDEATLTAYLKAPKKFLK
JniRef90_D5BRT8	GS EGYKYSKAMR ESG L

UniRef90_B9J7U2 UniRef90_A0A059KXU7 UniRef90_B4G8S0 UniRef90_B4G8S0 UniRef90_A7ANI1 UniRef90_D4Z550 UniRef90_G5ZWR5 UniRef90_G5ZWR5 UniRef90_Q1GA93 UniRef90_Q5GTG0 UniRef90_J6UDW6 UniRef90_J6UDW6 UniRef90_UP1000365275D UniRef90_U			
UNIRAGIO VISIGNES UNIRAGIO VIS	UniRef90_F4P822		90 1100 G T K M V F A G K K P Q D R A D V I A Y I K
UNIRAGIO VISIGNES UNIRAGIO VIS	UniRef90_B8C6T1 UniRef90_UPI00047001C8	M Ł	G T K M V F A G K K P Q E R K D L I A Y L Q S K K T K M S F P G L K E K D R Q N V I A Y L E T L K
UNIRAGIO VISIGNES UNIRAGIO VIS	UniRef90_UPI0003EC52C4		RIKTIFADIKKSERADLIAYLK
UNINCERD UNDOWS 98002 UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D Q K R A D V I A Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L A Y L	UniRef90_V9R6P5		GTRMAFAGIKPQDVADLIAYLQSLE
UNINCERD UNDOWS 98002 UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D Q K R A D V I A Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L A Y L	UniRef90_UPI0001DD0EED		GTKMI FPGI KDQKRADVI AYLET GTRMAFAGI KDKFI ADVI AYI KTF
UNINCERD UNDOWS 98002 UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D Q K R A D V I A Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L A Y L	UniRef90_F8NR02		GTKMAFAGLKEKDRNNLITYLK
UNINCERD UNDOWS 98002 UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D Q K R A D V I A Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L A Y L	UniRef90_U2XLG2		G G R M A F A G L K E K D R H N V I A Y L K
UNINCERD UNDOWS 98002 UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L UNRESSO WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D P Q K R A D V I A Y L B S L WAS 1 A M G F A G D D Q K R A D V I A Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L Y Y L B S L WAS 1 A M G F A G D WAS 1 A N L L A Y L	UniRef90_UPI00036A73FC		G N K M T F P G L P D A D R R D V I A F L K G T A M G F A G L K D T D R A N V I L Y L H T L
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_UPI0003C8E2B7	NA 1	GTKMTFTGIKKEERAKLLAYLKKL
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_UPI000379AF07 UniRef90_UPI0002D85D02	M A	A G N K M S F A GL S E E DI A A I I A F L E
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_W0AFK9		GTKMAFAGPDPQKRADVIAYLETLK
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_F9F999		GTKMAFGGLKEKDRKDLIAYLK
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_U2ZDX5 UniRef90_F2J566		GTRMSFAGIINTEERVALTAYLRS GTRMSFRGMQAEDRADLIAYLK
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_UPI000273F816	E∏TEKG.	GTKMSTSIKKKGERADVIAYLKLLR
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_D0RR29	I E I E K O I	GTKMGFAGLKDSDRANVIAYMNS
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AAANI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP10003652750 UniRef90_UP10003	UniRef90_K8PJB1 UniRef90_A1UU31		G
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_J2HBL0		GTKMTFVGLKKQDRLAVIAYLHSL GTKMTFPGLMKGKRADLIAYLK
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_V4NRI3		GTKMGFAGKKPEER INLIAYLHT
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_UPI0000DA4406		T K M F T G K K G E R A N L I A Y L K R L
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_A3SQX3 UniRef90_K0X1U6		GTKMSFAGKKDAELDAIIIAYLSTF GTRMIFWGLSDFFIDNIIAYLOOF
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_J9A3F6	0	GTKMAFAGLKPQDRAAIIAYL
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AARNI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP1000365275D UniRef90_	UniRef90_H9KRS8	G	GTRMVFGIKKADERKDVIAYLATUK
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AAANI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP10003652750 UniRef90_UP10003	UniRef90_Q4FNB3 UniRef90_B6JIX6		G T K M S Y A G L K E A D R A S K Y L N Q G N K M P F P G L K E H E R S A V A Y L
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AAANI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP10003652750 UniRef90_UP10003	UniRef90_UPI0003B4E2DA	NA L	GTKMTFAGLKPEDRANVIAYLNS
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AAANI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP10003652750 UniRef90_UP10003	UniRef90_UPI00047C482E	ivi r	N K M G F P G L N P D D L K N V I A Y L K S V
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AAANI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP10003652750 UniRef90_UP10003	UniRef90_A0A059FK58 UniRef90_J0QYU1		G T S M S F A G L K D P D R L N V I A Y L A S G T M T F P G K D Q D R A D L L L Y L R M L
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AAANI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP10003652750 UniRef90_UP10003	UniRef90_D8JTY1		GTKMVFAGLSDTDEADLLAYLATL
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AAANI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP10003652750 UniRef90_UP10003	UniRef90_R0ECF3		GTNMTFGLKKPEDRLAVIAYLHSL
UniRef90_C8RYL8 UniRef90_R0F7F2 UniRef90_R0F7F2 UniRef90_C8PLZ7 UniRef90_C8PLZ7 UniRef90_C6XQB6 UniRef90_C6XQB6 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP10003637DE2 UniRef90_UP100037C1AD8 UniRef90_UP100037C1AD8 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_A0A059KXU7 UniRef90_AAANI1 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_D4Z550 UniRef90_UP10003652750 UniRef90_UP10003	UniRef90_UPI0003F1213E UniRef90 K2KVZ3	Г	G
UniRef90	UniRef90_C8RYL8	YLGDPKA	A K G K M A F K V K T E A E A A D L Y A Y L T S L
UniRef90	UniRef90_G8PLZ7	, E D D K K /	GTSMGYAGÜKKDKRADLTAYLRŞ
UniRef90	UniRef90_C6XQB6		RTSMAFGQKSEEKRADLIAYLQTI
UniRef90_UPI00037C1AD8 UniRef90_B9J7U2 UniRef90_A0A059KXU7 UniRef90_A7ANI1 UniRef90_A7ANI1 UniRef90_D4Z550 UniRef90_C5ZWR5 UniRef90_R1GA93 UniRef90_R1GA93 UniRef90_W9DX92 UniRef90_G5GTG0 UniRef90_G3RLK9 UniRef90_G3RLK9 UniRef90_G3RLK9 UniRef90_G3RLK9 UniRef90_UPI000365275D U	Ulliveia0_3aQ040	A L G D S S A	A N S N IVI A I N IV IN D E G Q A N DII IA A I IE IA I F
UniRef90_ A0A059KXU7 UniRef90_ B4G8S0 UniRef90_ A7ANI1 UniRef90_ D4Z550 UniRef90_ D4Z550 UniRef90_ B5ZWR5 UniRef90_ R1GA93 UniRef90_ W9DX92 UniRef90_ W9DX92 UniRef90_ J6UDW6 UniRef90_ J7ISP0 UniRef90_ UP1000365275D UniRef90_ UP1000365275D UniRef90_ UP1000365275D UniRef90_ D4Z60 UniRef90_ UP1000365275D UniRef90_ UP100037591D3 UniRef90_ UP100037591D3	UniRef90_UPI00037C1AD8	KLDDKKA	A K S K M S F KIL IK K E A DIV L INII WA YIL L ISIV
Uniref90	UniRef90_A0A059KXU7		GTRMIFWGLSDPEIIDNLLAYLETFQ
Uniref90	UniRef90_B4G8S0 UniRef90_A7ANI1		G T R MILLIA GILIK P N E R G D G T K MILIF A GILIK E Q D R A DILLIA YILIK
UniRef90_R1GA93 UniRef90_W9DX92 G GT K M A F A G L K P K D R N D L I T F L K UniRef90_J6UDW6 UniRef90_J6UDW6 UniRef90_J7ISP0 UniRef90_UP1000365275D UniRef90_UP100365275D UniRef90_UP1000365275D UniRef90_UP1000365275D UNIREf90_UP100365270 UNI	UniRef90_D4Z550		G T K M T F A G L N P A D R A N L I A W L N T
UniRef90_G5GTG0	UniRef90_R1GA93	0	G T K M A F G G L K P K D R N D L I T F L K
UniRef90_X0RPC9	UniRef90_Q5GTG0	G	GTRMAFAGISPQELADLVSYLRQL
UniRef90_X0RPC9	UniRef90_J6UDW6		GTAMAFAGVSATERADILAYLNSL GTKMIFSIKKKFFRADIRAYIK
UniRef90_X0RPC9	UniRef90_I7ISP0	,	GTKMVFAGKKAKEREDLTEYLK
UniRef90_C1GYI0 UniRef90_C0D8 UniRef90_L0H0T2 UniRef90_D0D4Q8 UniRef90_UPl000369B018 UniRef90_W9F A G L K P E D R A N L V Y M N T UniRef90_UPl000369B018 UniRef90_W9F A G L K P E D D A V V E Y L K T F UniRef90_W9F A G L K P E D D A V V E Y L K T F G T K M A F A G L K P E D D A V V E Y L K T F G T K M A F A G L K P E D D A V V E Y L K T F UniRef90_W9F A G L R D Q D R D L I A Y L R T L UniRef90_W9F A G L R D Q D R D L I A Y L R T L UniRef90_A0A058ZAD9 UniRef90_A0A058ZAD9 UniRef90_G6XSK7 UniRef90_G6XSK7 UniRef90_B6JFH4 G G T K M A F A G K K A D D R A N L I A Y L K Q UniRef90_UPI0003B54B9C UniRef90_A3UFM2 UniRef90_A3UFM2 UniRef90_F0VPL5 G T K M Y F A G K K E K E R A D L I A Y L L UniRef90_K2JK07 UniRef90_X7F9U3 UniRef90_F2WQ37 UniRef90_UPI00037591D3 G T K M V F A G K K A D D R R A D L V A Y L E G T K M F P G L S A G K R A D L I A Y M UD R A N R E D L WA Y L R UNIREf90_UPI00037591D3	UniRef90_X0RPC9		K M P F A GIL K P A D R D NIV I A YIL K
UniRef90_W9C0D8 UniRef90_L0H0T2 UniRef90_D0D4Q8 UniRef90_UPl000369B018 UniRef90_W9H620 UniRef90_A0A058ZAD9 UniRef90_GASK7 UniRef90_B6JFH4 UniRef90_UPl0003B54B9C UniRef90_D0D03B54B9C UniRef90_A3UFM2 UniRef90_F6VVL5 UniRef90_F6VVL5 UniRef90_F0VVL5 UniRef90_F0VVL5 UniRef90_F2WQ37 UniRef90_F2WQ37 UniRef90_F2WQ37 UniRef90_UPl00037591D3 DGTKMSFAGGLKAEDRANILMAWMNT HNSRMVFPGVKPQRADLLAYLLATL HNSRMVFPGVKPQRADLLAYLLATL GTKMSFAGLKAEDLDAVVEYLLATL GTKMSFAGLKAEDLDAVVEYLLATL GTKMSFAGLKAEDLDAVVEYLLATL HNSRMVFPGVKPDDAVVEYLATL GTKMSFAGLKAEDLDAVVEYLLATL GTKMSFAGLKAEDLDAVVEYLATL GTKMSFAGLKAEDLDAVYLKQF UNIREF90_F2WQ37 UNIREF90_F2WQ37 UNIREF90_UPL00037591D3	UniRef90_E1FYJ0 UniRef90_Q1GVI0		G T K M V F A G L K P Q E R A D L K Y L E G T K M S F A G L S P E D R A N V Y M N T
UniRef90_D0D4Q8 UniRef90_UPI000369B018 UniRef90_UPI000369B018 G T K M A F A G L R D Q D R L N L I A Y L R T L UniRef90_W9H620 UniRef90_A0A058ZAD9 UniRef90_G6XSK7 UniRef90_G6XSK7 UniRef90_UPI0003B54B9C UniRef90_UPI0003B54B9C UniRef90_A3UFM2 UniRef90_A3UFM2 UniRef90_K2JK07 UniRef90_K2JK07 UniRef90_K2JK07 UniRef90_CF2WQ37 UniRef90_UPI00037591D3 G T K M A F A G L K P E D L D A V V E Y L K T F C A M S F A G L R D Q D R L N L I A Y L R T L R T L M S L E UNIREF90_L T L A Y L R T L	UniRef90_W9C0D8	Ē	D G T K M S F A GIL
UniRef90_UPI000369B018 UniRef90_T0K9P2 UniRef90_W9H620 UniRef90_A0A058ZAD9 UniRef90_G6XSK7 UniRef90_B6JFH4 UniRef90_UPI0003B54B9C UniRef90_UPI0003B54B9C UniRef90_F0VPL5 UniRef90_K2JK07 UniRef90_K2JK07 UniRef90_X7F9U3 UniRef90_T0KP90 UNIREF90 UNIREF90 UNIREF90 UNIREF90 UNIREF90 UNIREF90 UNIREF90 UNIREF90 UNIREF90 UNIR	UniRef90_D0D4Q8	F	G T K M A F A G L K P E D I D A V V E Y L K T F
UniRef90_W9H620 UniRef90_A0A058ZAD9 WPGNKMAFAGKKDDRANILIAWLR UniRef90_B6JFH4 GUNIRef90_UP10003B54B9C UniRef90_A3UFM2 UniRef90_F0VPL5 UniRef90_K2JK07 UniRef90_K2JK07 UniRef90_K2JK07 UniRef90_K2JK07 UniRef90_T2WQ37 UniRef90_UP100037591D3 GTKMNFAGKKDDRANILIAWLKQ GTKMAFAGKKDDRANILIAWLKQ GTKMAFAGKKDDRANILIAWLKQF GTKMNFAGKKDDRANILIAWLKQF GTKMNFAGKKDDRANILIAWLKQF GTKMNFAGKKEKERADLIAYL GTKMNFAGKKEKERADLIAYL GTKMVFAGKKEKERADLIAYL GTKMVFAGKKADDQKRADLVAYL			GTAMSFAGLRDQDRLNLIAYLRTL
UniRef90_G6XSK7 UniRef90_B6JFH4 G K M A F P G L S A G K R A D V I A Y L K Q F UniRef90_UPI0003854B9C G N R M S Y A G M R P N D R T D L I T F L UniRef90_A3UFM2 UniRef90_F0VPL5 G T K M V F A G K K E K E R A D L I A Y L UniRef90_K2JK07 UniRef90_X7F9U3 UniRef90_X7F9U3 UniRef90_F2WQ37 UniRef90_UPI00037591D3 G T K M V F A G L K D K E R A D L I A Y M UniRef90 UPI00037591D3 G T K M V F A G L K D K E R A D L I A Y M G T K M V F P G K D D Q K R A D L V A Y L E	UniRef90_W9H620	NA F	G T K M N F A G K K D Q D R A N L I A W L R
UniRef90_UPI0003B54B9C	UniRef90_G6XSK7		G T K M A F G V K D D T D I T N L I A Y L K Q
UniRef90_A3UFM2	UniRef90_B6JFH4 UniRef90_UPI0003B54B9C	G	G N R M S Y A G M R P N D R T D L I T F L
UniRef90_K2JK07	UniRef90_A3UFM2		G T A M S F A G L R D Q D R I N L I A Y I H
UNIRET90 UP100037591D3 GIKMNFPGKDDQKRADILVIAYILIE	UniRef90_K2JK07	W :	GNRMAFGÜKSDKEÜEDL JAFLK
UNIRET90 UP100037591D3 GIKMNFPGKDDQKRADILVIAYILIE	UniRef90_X7F9U3 UniRef90_F2WQ37	WLGDDS A	AKGIMAFRMK ANREDILWAYLRSLE GTKMVFAGLKDKERADII IAYM
	UniRef90_UPI00037591D3		GIKMNFPGKDDQKRAD LV AY LE
UniRef90 UPI00046728C6 G T S M S F A G L K A D D R A D L I A Y L Q T I	UniRef90_UPI00046728C6		G T S M S F A G L K A D D R A D L I A Y L Q T I
	UniRef90_UPI0003757DB3 UniRef90_D5BRT8		G T K M V F A G L K K E D L Q N V I A Y L K T Q K

UniRef90_X7EHT9 UniRef90_J1JA47	1 DASAGESVFNRO	40 40 40 E V A C H C H C H C C H C C H C C H C C H C C C H C C C C
UniRef90_UPI000255A6E9 UniRef90_B4R803 UniRef90_J2GU53 UniRef90 K2JZU9	A A E G A R V F Q R C	F S C H S V D P A E G H V Q G P N L A G I V G R A N M A C H T V N A G G A N K V G P N L S G V V G K K A K A C H K V D G T N G T G P H L D G V F E R V V
UniRef90_UPI000424D88E UniRef90_A0A024JKT6 UniRef90_Q5LWT7	DAAKGKQVFAKO GNAKKGANLFKRO EGDAAKGEKGFNKO	QACHSMDAGT NKLGPSLHGVIGRTS LQCHTTEAGGANKVGPNLNGVFGRVS KSCHMDESPAGGKTGPNLYGVVGRAA
UniRef90_D3P2P5 UniRef90_UPl0003690C39 UniRef90_F0W9I5	VFNTO EKVFKKO GDAKVGEAVFKKO	K Á <mark>C</mark> H T I E Á G G P Ń R V G P N L H G I V G R P A M A C H E V G A S A K N K V G P E L N G I V G R P V S Q C H V V E K G G G N K Q G P N L H G L I N R Q S
UniRef90_I4YPC9 UniRef90_UPI000476C40B UniRef90_A3X6L5	DPAKGQAQSKKC EGDPVAGAKVFKKC EGDAAKGQKLFNKC	A A C H T IL D K G G A N K V G P N IL Y G V V G R P V M A C H A V V G K N K V G P A L N G V V G G P V K S C H T IL V T D K G G K T G P N L W G V V G R T A
UniRef90_G4RFT1 UniRef90_H5YE64 UniRef90_I3LNY8 UniRef90_K2GP37	VEKGASAAKK GDVEKNKIFVQK GDPSAGERVEGK	GACHTFEKGGPNRVGPNLYGVVGHPI AQCHTVEKGGKQKTGPNLHGLEGWNT
UniRef90_W0ID63 UniRef90_UPI000273F979 UniRef90_G8AGH1	E G D V A L G Q K A F Q R C D L E K G N K I V Q K C D G D P A N G E K L F R Q C	SACHSTTD QKKAGPGLGGVVGRAA AQYHTVEKGGKHKTGPNLRGIFGWKT KACHTVEA EKNRVGPTLHGLFGRKA
UniRef90_W9C0T0 UniRef90_G2I4A9 UniRef90_UPI0003337EA6	K D D T A L G K R L F L R C K A S V D K G R A I A R Q C G D A E K G K K I F Q K C	T A C H T V S A K A P G K V G P H L Q G I V G R K S A M C H S L A P G G P S L L G P N L F G V T G T H L A K C H P V E K G G K H K T R P N L H G L F G W K T
UniRef90_S9SEX2 UniRef90_I9C6L6 UniRef90_L8J2S8 UniRef90_A3SUE1	VAAGEQLIFRRO DVAKGESTFAKO NVEKDKII FIQKO	T S C H E V G E G A R I R I G P V L N G V V G R P I L S C H T L N A G G A N G I G P N L H G V V E G I G C V C C H T M D K G G R H K I E P N L H G L F G K C A
UniRef90_K7Z687 UniRef90_I3TQJ0 UniRef90_B6B7R9	D G D P V A G K N V F R K C D P K A G A K V F A R C E G D P E A G E K G F N K C	QACHTVQQG QHRQGPSLYGVIGRRA TACHDDSKGGPNKVGPELWSVVGRPV KSCHMVVSDDGDKTGPNLWGVAGRA
UniRef90_UPI0004633884 UniRef90_UPI0003015E8E UniRef90_A1WIA2	D A T K G E A V F K R C P A A G A R L F R R C D V N A G R Q V F A Q C	G S C H A V G E G A A D K A G P E L N G V V G R K I A A C H T I G A G G A D L N G P N L H G V M G A P V A A C H A V T T A N G V G P G L W G I V G S K S
UniRef90_N1JAS0 UniRef90_A0A059IIL8 UniRef90_B3QGN4 UniRef90_B1LWI4	GDAAKGASLIFQRO GDAAKGEKTFRMO QDAAAGEKAFARO	A A C H A V T T A N G V G P G L WG I V G S K S A A C H A V T T A N G V G P G L WG I V G S K S C A S C H N L E K T G D K K I G P T L H G L F G R K T C K A C H A L T G P E G G R V G P N L Y G V I G R K A C A A C H T F E K D G P N R V G P N L Y G I V G D H R C K A C H N F Q K N G V G P D L K G V V G R K A C A Q S H T V E A G G A N K V G P A L H G L F G R S T
UniRef90_K9J9S4 UniRef90_C8RWN8 UniRef90_F0YD26	GDASKGANIISKRO DLKAGAKVFTKO _EKGAKI_FKKO	A Q S H T V E A G G A N K V G P A L H G L F G R S T K A C H K A D G K N A L G P Y L N G V V G R P R S A C H T L N A G G N S K Q G P N L H G I F G N Q P A A C H T N V S G G A S K L G P P M W G I V G K K S
UniRef90_UPI00036A74DF UniRef90_R0FZ10 UniRef90_H2AV05	NVGAGENAFKK DPVAGRAAFAKO KKGATLFKRO	A A C H T N V S G G A S K L G P P M W G I V G K K S A S C H A V G P S A R A G F G P Q L S N V L G R K A C Q Q C H T I E E G G P H K V G P N L H G I F G R H S A A C H K L E D G V N A T G P S L Y D V V G R T Q C K A C H A I V A A D G G K T G P N L V G V V G R T C V
UniRef90_A4EWF2 UniRef90_V7EK50 UniRef90_UPI000225E072 UniRef90_UPI00027F540E	CDMEKCKKI EOK	A O C H T IV E K P C O H K T C P NII H SI F C W K T
UniRef90_S8APW2 UniRef90_F6EU58 UniRef90_A0A022FN24	G D V K K G A D T F K K C G D A A K G K A V F A R C G D V Q A G K A L F A R C	KQCHTVESGANHGTGPNLHGLFGRVS MACHSVDPGA NRLGPSLAGVMGRTS ASCHSVGPSARGAFGPQLNAIFGRTA ASCHAVGPMATSGFGPQLNRVVNRRA STCHTINAGGANGTGPNLHNTVGADK AQCHTVERGGAHRQGPNLHDLFGRQS
UniRef90_UPI000476EDBC UniRef90_Q0C4F6 UniRef90_K7UZX9 UniRef90_UPI00038ED26E	G D V E A G K A M F A R C D L T R G E R L F A Q C	A S C H A V G P M A T S G F G P Q L IN R V V IN R R A S T C H T I I N A G G A N G T G P N L H N T V G A D K A Q C H T V E R G G A H R Q G P N L H D L F G R Q S
UniRef90_V4NEU4 UniRef90_UPI0003781141 UniRef90_C5B619	DLADGEKQFAKQ PQKGEAQSKKQ DAGRGGRLFGQQ	A QCHT A QK G GK R K T R P H L H G L F G R M T R A C H T L T A E K M N L T G P H L Y G V F G R K A C H N F V E G A G A K V G P D L Y G V V G R P V A A C H T V R M G A G D R S G P G L Y D V V G K P V A Q C H T V E Q G G K H K T G P N L W G L L G R K T
UniRef90_Q4RNP2 UniRef90_V4JNJ2 UniRef90_I3TVU2	N A S P F R G F N II IF II IU (. K A . A F
UniRef90_A0C010 UniRef90_X7FAB6 UniRef90_A7IBX2 UniRef90_Q2GB57	DAAKGRDII FQQQ DADAGERV FNSQ DAASGEKV FAQQ	A A C H E T G P A S S R R A P S L K G I I G R P A A A C H A F E G D D K T A S A P T L G G L L G R K A R A C H Q L E E G A N A V G P Y L Y G V V G R E I R A C H Q V G P N A K N A V G P V L N G L M G R K A
UniRef90_P86319 UniRef90_UPI000333DF09 UniRef90_UPI00036009BB	GDAAAGAKVFNKO GDAEKGTKI FQKS ENGEKI YKK	QTCHTV LAGKAGKTGNPL YGL DGRAP VHCHTLEKGGKHETGPNL HGL WAEGR GSCHNYKKDSKSKTGPSL WNI INQPK
UniRef90_A0A059Fl06 UniRef90_B2IAX0 UniRef90_UPI0003699312	DYARGRRTFKLO GDPEAGEKIFTKO NLENGARVFRRO	Q A C H T T A E G A G A L V G P N L Y G I F G R E A K V C H Q I G P G A K N F V G P E L N G L I G R K A Q S C H T L T E G G P N M V G P N L F G V L Q H A P
UniRef90_V4NWJ4 UniRef90_J7G535 UniRef90_V7ELW4 UniRef90_W4HG19	G D A T A G E S V F N K C E A G A K V F N K C D A G A G E R V F N A C	RACHQLEEGA NAVGPYLYGVVGREIL RACHQVGPNAKNAVGPVLNGLMGRKA KACHTAEQGGANGIGPNLYGVVGRAP CHTVLAGKAGKTGNPLYGLVDGRAP CYHCHTVLAGKAGKTGNPLYGLWAEGR CGSCHNYKKDSKSKIGPSLWNIINQPK CGSCHTLEKGGKHETGPNLYGIFGREA CGSCHTTAEGAGALVGPPNLYGIFGREA CKVCHQIGPGAKNFVGPPNLFGVLQHAP CKCHTLTEGGPNMVGPNLFGVLQHAP CKACHTLTEGGFNMVGPNLFGVLQHAP CKACHTLTEGGFNMVGPNLFGVLQHAP CKACHTLTEGGFNMVGPNLYGLYTRVA
UniRef90_A6FPZ9 UniRef90_T0J6P0 UniRef90_W4HPE4	G D A A A G E K A F N Q C D A K S G G R K F R Q C D A D G A K V F R K C	K A C H M I T D A D G N Q V G P N L Y G I V G R T A A A C H S V L E G A M D R G G P N L F G V F G R K F Q A C H Q V G A D A S N R V G P Q L N G L L G R T V
UniRef90_A1B9M7 UniRef90_UPI0003B76625 UniRef90_K2MBP7 UniRef90_D4Z038	G D P L R G A E L F A E C D V A A G E K V F S K C K G E K L F K R C	Q T C H V V A A G K N A K T G P N L Y G V V G R A A C R A C H Q L N G N N A V G P H L D G V V G R D V G R A C H Q L N G N N A V G P N L Y G I V G R T A C A A C H S V L E G A M D R G G P N L F G V F G R K F C Q A C H Q V G A D A S N R V G P Q L N G I L G R T V C S A C H R I G P G A T D A T G P R L N G I F G R R A C K A C H K V D G S D G T G P H I N G V V D R V K C A A C H S L D A G V N K V G P S L A G A F G R E C C C C C C C C C C C C C C C C C C
UniRef90_U42036 UniRef90_M9RIF9 UniRef90_U1MK72 UniRef90_A0A059FFS8	GDAEAGEQQFRQC GLKMAQDF DYARGRRTFKLC	VACHVVAAGRNARTGPNLYGLAGRQL ADCHVIDSIAC INGPTLSGVIGRKS SSCHLDKEGAGNLVGPNLYGLFNRKV
UniRef90_V4TNH9 UniRef90_O22490 UniRef90_S9RPQ1	G D G E A L F R A C G N P K A G E K L F K K C G D P D A G E R D F R Q C	SSCHLDKEGAGNLVGPNLYGLFNRKV CRGCHELGEGARHGLGPHLDGLFGRLA CAQCHTVDKGAGHKQGPNLNGLFGRQS CRSCHSIGPDGEGQVGPNLYGVDGRAA CKTCHAIEAG VNKIGPSLHAVVGRAA
UniRef90_UPI00028988D3 UniRef90_A5PAE9 UniRef90_Q2G7L0	G D A K K G E A D F L T C D A A A G E K V F A K C D A V R G K A V F A R C	K T C H A I E A G

11. 'D. (00 VZEUTO	GSVEGFNYSGALSEQAD WWTVDNLFAFLENPREWAP
UniRef90_X7EHT9 UniRef90_J1JA47 UniRef90_UPI000255A6E9	A A P D F S Y S G A L S E Q A D VWI V D N L F A F L E N P R E WA P A A A P N F S Y S R A L R T N S D Q K W D F L T L D R Y L Q S P R K D A V D G F S Y S G A L E E H F D VWT P E N L Q A F L E N P R S G T R P G Y S Y S P A L R R A R A G G L V W T E Q A L D H F L A D P E A M I P A A V K G F R Y S A A M T K S G V T W N D A T L D K W L T R P A S V V P A S V D G F A Y S D G M M A H G G A W T P E A L N E F L L N P K G V V S G A L D G F K Y S D A M K N A H L T W D E A T L D K Y L A N P K T L V P G Q A P G Y S Y T E A N K K G V W W D E N T M Y D Y L E N P K K Y I P G Y K Y G D S L V A A G F K G L V W D E F S F W A F T O D P K S F L N T
UniRef90_B4R803	GTRPGYSYSPALLRRARAGGLVWTEQALDHFLADPEAMIP
UniRef90_J2GU53 UniRef90_K2JZU9	A S V D G F A Y S D G M M A H
UniRef90_UPI000424D88E UniRef90_A0A024JKT6	GQAPGYSYTEAN KKKGVMWDENTMYDYLENPKKYI P
UniRef90_Q5LWT7 UniRef90_D3P2P5	GTYEGYKYGDSLVA A GEKGLVWDEESFVAFTQDPKSFLNTGSAAGFSYSPAM KDAGYVWDEQKLDTYLKDPKAALPAAIAEFKYSPAMTEFGAGGKVWDAETLHTYLADPKGLVPGQVPGYSYSAAN KNSEMTWNKLNLFEYLLNPKKYASHEGFNYSAGMKAH GGNWTYEALDAFVHNPKQ
UniRef90_UPI0003690C39 UniRef90_F0W9I5	A A A E F K Y S P A M T E F G A G G K W D A E T L H T Y L A D P K G L V P G Q V P G Y S Y S A A N K N S E M T W N K L N L F E Y L L N P K K Y
UniRef90_I4YPC9 UniRef90_UPI000476C40B	A S H E G F N Y S A G M K A H G G N W T Y E A L D A F V H N P K Q G S V E G F K Y S K V M K A A G E S G M I W D E A T L A N Y L A N P R K
UniRef90_A3X6L5 UniRef90_G4RFT1 UniRef90_H5YE64 UniRef90_I3LNY8 UniRef90_K2GP37 UniRef90_W0ID63	GTYEGFRYGKDLVAAGEGGLVWDLESFTAYTQDPRGFLRS ASHEGFAYSDALATLGSNGEIIWDYEHLDAFLESPRNYAP
UniRef90_H5YE64 UniRef90_I3LNY8	GERGGFNFSAAM KAKGGTWDFDALNKFIANPKAAVP GOTVGFS SVDVNKNKGITWGEETLREYLEDRKKYIP
UniRef90_K2GP37 UniRef90_W0ID63	DAAEGFNYSGALEKVVD VWTPDHLNHFLENPRGYAP GSVEGVRYSAAM KASGIVWDFATIDREI AAPREVVST
UniRef90_UPI000273F979 UniRef90_G8AGH1	GQATGFSYTQA YKNKGITWGEDTLMEYLGNPKKŸIPG GTVDTYNYSEGU KASGIAWDAKTIDPYLANPKAVLAD
UniRef90_W9C0T0 UniRef90_G2I4A9	GSVAGFGYSPAM KGANI VWNEATL DKWL QRPQSVVP
UniRef90_UPI0003337FA6	A S H E G F N Y S A G M K A H G G N W T Y E A L D A F V H N P K Q G S V E G F K Y S K V M K A A G E S G M I W D E A T L A N Y L A N P R K G T Y E G F R Y G K D L V A A G E G G L V W D L E S F T A Y T Q D P R G F L R S A S H E G F A Y S D A L A T L G S N G E I W D Y E H L D A F L E S P R N Y A P G E R G G F N F S A A M K A K G G T W D F D A L N K F I A N P K A A V P G Q T V G F S S V D V N K N K G I T W G E E T L R E Y L E D R K K Y I P D A A E G F N Y S G A L E K V V D V W T P D H L N H F L E N P R G Y A P G S V E G V R Y S A A M K A S G L V W D E A T L D R F L A A P R E V V S T G Q A T G F S Y T Q A Y K N K G I T W G E D T L M E Y L G N P K K Y I P G G T V D T Y N Y S E G L K A S G I A W D A K T L D P Y L A N P K A V I A D G S V A G F G Y S P A M K G A N L V W N E A T L D K W L Q R P Q S V V P G D L P G Y D F S D A L R A S A E G F G Y S R V L E D A G A G R V W S V E E L A A Y L A D P R G
UniRef90_I9C6L6	QGAGGFAFSDAL KSKGGTWDFDKLNEWLKSPKAYAP
UniRef90_S9SEX2 UniRef90_I9C6L6 UniRef90_L8J2S8 UniRef90_A3SUE1 UniRef90_K7Z687 UniRef90_I3TQJ0 UniRef90_B6B7R9	GTVEDYRYGDDLVA A GEAGL VWDEANVAKYLQNPTDFLRT
UniRef90_I3TQJ0 UniRef90_B6B7R9	A S A D G F A Y S D A L K G L G G E W T F E K L D H F L T K P A S F A P
UniRef90_UPI0004633884	AST GEAYDDAII IKTEG EGKNWDEATII IDKWII IENPKAII VIP
UniRef90_UPI0003015E8E UniRef90_A1WIA2	
UniRef90_N1JAS0 UniRef90_A0A059IIL8	A S V P G F R Y G A A I K R A H L I W D E K N L D A Y I A D P Q K A L P G S V E G Y D Y T D A N K G K G I T W N H D T L F M Y L E N P K K Y I P A S E P G Y N Y G A G L K E A A E K G L V W N E E N L A E Y V K N P T E F L E K
UniRef90_B3QGN4 UniRef90_B1LWI4	ASVPGFRYGAAL KRAHLIWDEKNLDAYIADPQKALP GSVEGYDYTDAN KGKGITWNHDTLFMYLENPKKYIP ASEPGYNYGAGIKEAAEKGLVWNEENLAEYVKNPTEFLEK GERNGFNFSAAM KAKGAWTFDELNKFLANPKGYIP GSVEGYSYTDAN KKAGVTWDENTLHEWLKNPKAKVP KNSGITWDENTLHFAYLENPKKYIP ATIEGFAYSDAM LSGQGEPWTADLLFTYLADPKAYVP GQVGDYSYSGAFKD KTGEMVWDDATMHEWLKAPKKFIK
UniRef90_K9J9S4 UniRef90_C8RWN8	ATIEGFAYSDAM LSGQGEPWTADLLFTYLADPKAYVP
Unineigo Uniouson/4DF	GONFERNIOSAILI AANGKAWSIVIEEILINAFILII KFI DIILIK
UniRef90_R0FZ10 UniRef90_H2AV05 UniRef90_A4EWF2 UniRef90_V7EK50	GSHPEFKYSSAL AAHGKAWSVEELNAFLYKPTDYLKGSTADFKYSPAM AGAGFVWTEDKLRAFLKAPSEVVPGQAAGYSYTDANI KKNVEWDEKNMSEYLTNPKKYIPGTEDGFGYSGAL AGRDGSWTAEELDAFIAKPSAYAS
UniRef90_A4EWF2 UniRef90_V7EK50	GTEDGFGYSGAL AGRDGSWTAEELDAFIAKPSAYAS GSEADFAYSDSLKSVGEAGKVWDEAMLAAYLPDPTAWVKE GQHAGFAYSSALSGH GGEWNFENMDAWLASPRAFAS
UniRef90_UPI000225E072 UniRef90_UPI00027F540E	GQHAGFAYSSALSGH GGEWNFENMDAWLASPRAFAS GEAVRFSYTDTN KNKGITWGKDTLMHYLETPKNNIP GTTSGFGFSDAN KKAGVTWDGEKLFEYLENPKKF GTMAGFAYSPAMKNAKI RWDAKTLDAFLAKPTAKVP GGTNDYTYSPAM KKSGIVWSEKTLSDFLRSPGKVVP GSLPDYDYSTAM KQSGLVWDDKTLATFIANPGKTVP AHLAGFAYSGALSNAEGS WYTYENLNEWINNPSAYVR
UniRef90_S8APW2 UniRef90_F6EU58	GTTSGFGFSDAN KKAGVTWDGEKLFEYLENPKKF GTMAGFAYSPAMKNAKL RWDAKTLDAFLAKPTAKVP
UniRef90_A0A022FN24 UniRef90_UPI000476EDBC	GGTNDYTYSPAM KKSGIVWSEKTLSDFLRSPGKVVP GSLPDYDYSTA <u>M</u> KQSG <u>IV</u> WDDKTLATFIANPGKTVP
UniRef90_Q0C4F6 UniRef90_K7UZX9	A H L A G F A Y S G A L S N A E G S G T T L G Y A Y S T A N K N M A V WE K G T M Y D Y L F N P K K Y L P
UniRef90_UPI00038ED26E UniRef90_V4NEU4	GQAAAFSYT HTNKNKGI TWGEDTPMQYLENPKKYI P GSEAGYTYSDAMTGH NVVWDFESLNTFVESPQTTVK
UniRef90_UPI0003781141 UniRef90_C5B619	A S A E G F A Y S A A M K A H G G D WT F E Q L N G F I K S P K T H V P A T N S R F G Y T G S L R S L G G V WT P E R L D V WL A A P A K F V P
UniRef90_Q4RNP2 UniRef90_V4JNJ2	GQAEGFSYTDAN KSKGIIWSEETLMVYLENPKK AAEPDFPYSESLQAII GGTWDYEKLNRYLFDP
UniRef90_I3TVU2 UniRef90_A0C010	GSLADFRYSRAM SQSGIVWTDETIRKFIQSPQGFIP GST QFPYSKGM KGAGFNWSEKHLFVFLKNPSKYVV
UniRef90_X7FAB6 UniRef90_A7IBX2	GSADGYSYSGALSE QGADVWDPETLSNFLENPQGWAP GTYEGYTYSQAM KDSGITWTDDSFSTYIIMNPRSKVP
UniRef90_Q2GB57 UniRef90_P86319	GTTIGYAYSTANKNMAV VWEKGTMYDYLFNPKKYI PGQAAAFSYT HTNKNKGITWGEDTPMQYLENPKKYI PGGAAAFSYT HTNKNKGITWGEDTPMQYLENPKKYI PGSEAGYTYSDAMTGH NVVWDFESLNTFVESPQTTVKKASAEGFAYSAAMKAH GGDWTFEQLNGFIKSPKTHVPATNSRFGYTGSLRSL GGVWTPERLDVWLAAPAKFVPGQAEGFSYTDAN KSKGIIWSEETLMVYLENPKKAAAEPDFPYSESLQAI GGTWDYEKLNRYLFDPGSLADFRYSRAM SQSGIVWTDETILSNFLENPQGWAPGSTQFPYSKGM KGAGFNWSEKHLFVFLKNPSKYVVGGSADGYSYSGALSE QGADVWDPETLSNFLENPQGWAPGTYEGYTYSQAM KDSGITWTDDSFSTYIMNPRSKVPAGRGGFAFSDAL KAKGGKWDFESLDAWLKNPKAYAASYPDFAYGDGIKELGAAGEVWNEADFLQYVADPTKFLKT
UniRef90_UPI000333DF09 UniRef90_UPI00036009BB	GNAT GFAY SKALTEF GGN WN YEEL NN FLYN PKEYLK
UniRef90_A0A059FI06 UniRef90_B2IAX0	GTSEGFAYSQALQ DADFILWTPDKVDHWLENPQTFLK GTSEGYTYSDAM KNSGLTWDEATEKDYLKNPKAKLP
UniRef90_UPI0003699312 UniRef90_V4NWJ4	A S K D Y P Y S N A L K N A D L E W S A E T M D Q W I T N P R G F L G S K A D Y Q F S D A M K A H G I K D K V W D Y A T L D D Y L T H P Q S T V P
UniRef90_J7G535 UniRef90_V7ELW4	GSTD FRYGDSII VQAGEAGLEWNEEDFIVAYVADPAKFILAE
UniRef90_W4HG19 UniRef90_A6FPZ9	G SIVIE G E R Y S DIL L LIA A G E Q GILIA W D E A S EIVIG Y IVIQ D P T D WILIK E
UniRef90_T0J6P0 UniRef90_W4HPE4	GTNTRYGYTAALIT GAGGTWDERTLIDSWI AAPSAMILP
UniRef90_A1B9M7 UniRef90_UPI0003B76625	GSLAGFNYSRAMLRMGNDGLRWTLPTLDAYIENPKALVS GAVAGFGYSDAL LAMSSESWTPENLDGFLLSPKNY GTVKGFKYGKGYLAACEKGFVADEAFLTDYLKDPSAKLSE ASHAGFAYSPAMRAQEGD WSYERLFAFLASP GVIDGFRYSDALVELGEAGTVWDEGAFVGYVQDPTGWLRG GTVEGGYTHSEAST AKGIIWTRETLLEWLTDPRKCIP
UniRef90_K2MBP7 UniRef90_D4Z038	GTVKGFKYGKGYLAACEKGFVADEAFLITDYLKDPSAKLSE
UniRef90_M9RIF9 UniRef90_U1MK72	GVIDGFRYSDAFVELGGEAGTVWDEGAFVGYVQDPTGWLRG
UniRef90_A0A059FFS8 UniRef90_V4TNH9	
UniRef90_022490 UniRef90_S9RPQ1	GSLEGYRYSSAMGRVGEAGLVWDAATLDRYLEKPQAFVP GTTPGYSYSTANKNMAV IWEENTLYDYLLNPKKYIPE GTVEGENYSDDMVAAGEOGLMWNLEDETPYVOGPSGELOD
UniRef90_UPI00028988D3	GTVEGFNYSDDMVAAGEQGLMWNLEDFTPYVQGPSGFLQDGSLAGYSYSAAN KNSGLTWSEEKLFQYLENPQRVVPGGAAGFAYSSAL ADHGGQWTWENMDAWLKSPRAFAS
UniRef90_A5PAE9 UniRef90_Q2G7L0	GTMPNFNYSQAM KDKAVVWNATTLDAYLAGPAKYIP

	00 400 440
UniRef90_X7EHT9	90 100 11 <u>0</u> G T <u>K</u> M S F A <u>G L </u> S E E D R A N L I <u> A</u> Y L Q S L
UniRef90_J1JA47	GTKMSFAGLSEEDRANLIAYLQSL AFPGTIMSFGIKNDQDRADLLLYLRSL AAPGTKMSFAGLKDEDRADVIAYLASL GTEMSMPPLKPRDRQAVIRFLQT GTSMVFAGLKPEERKAVIAYLK GTKMSFAGLPKEDRANLVAYLQSL GTKMVFPGLKEDRANLVAYLK GTKMAFGGLKAKDRNDIVTYLK
UniRef90_B4R803	GTEMSMPPLKPRDRQAVIRFLQT
UniRef90_J2GU53 UniRef90_K2JZU9	G T S MIVIF A GIL IK P E E R K A IV T IA Y IL IK G T K M S F A GIL IP K E D R A NIL VIA Y IL IQ S II
UniRef90_UPI000424D88E	GTKMVFPGLKEEDRKDVIAYLK
UniRef90_A0A024JKT6 UniRef90_Q5LWT7	GTKMAFGGLKAKDRNDI VTYLK YLGETAAKSKMTFKLKSGGE DVFAYLQSV GNNMAFAGKDDAKRADLIAYLKS
UniRef90 D3P2P5	GNNMAFAGKDDAKRADLIAYLKS
UniRef90_UPI0003690C39 UniRef90_F0W9I5	K T K M A F A G L K D Q E V L D V I A Y M N Q F M P G T K M V F A G K S E K E R K N L I A Y L E A T P G T L M A F A G L A A K D R A D L L V Y L R T L
UniRef90_I4YPC9 UniRef90_UPI000476C40B	ATPGTLMAFAGLAAKDRADLLVYLRTL
UniRef90_A3X6L5	A MK G N K M S F G L R K E K E Q A D V I A Y I K H L D N S K A K S K M S F K L K K G A E D I Y A F L A Q F G T K M S F A G L S P E D R A N L I A F L R G T A M G F A G I K D S E R A D V I A Y L N S L G T K M L F S I K K K G E K G D L I A Y L K G T A M S F G L P D A E D R A N L I A Y L E T
UniRef90_G4RFT1 UniRef90_H5YE64	G T K M S F A G L S P E D R A N L A F L R G T A M G F A G K D S E R A D V A Y L N S L
UniRef90_I3LNY8	GTKMUFSIKKKGEKGDLIAYLK
UniRef90_K2GP37 UniRef90_W0ID63	T T M T V G V P K P E D R L NI I A Y L E I
UniRef90_UPI000273F979	GEK KIFT <mark>C</mark> IKKKEERADLIAYLK
UniRef90_G8AGH1 UniRef90_W9C0T0	GTTMAFAGLKPEDRADLIAYLE GTTMAFAGLKPEERKALIAYLK
UniRef90_G2I4A9	ADYAPGTKMSFPGISDTDRADVIAYLRSLQ
UniRef90_S9SEX2	AMPGTRMAFQGLSEEE AAVIAFLQS
UniRef90_I9C6L6 UniRef90_L8.I2S8	S R M A F A G A K P E D R A D L I A Y L E GTTT M A F A G L K P E E R K A L I A Y L K A D Y A P G T K M S F P G I S D T D R A D V I A Y L K Y I P G T K M I F A G I K K K E R P D L I A Y L K A M P G T R M A F Q G L S E E E A A V I A F L Q S G T K M T F A G L K P E D R A N I I A Y L N S G T K M F T G I K K A E R A D L I V Y T L D D K K A R S K M S F R M R K G G E D V A A Y L A T F G N K M P F V G L K N K D R Q D V I S Y L Q Q V G T K M S F A G L S K E D R A A V I A Y L N S E T G N S K A K S K M S F R L K K G G E D I Y A F L A S G N K M A F A G L K E D D R K N V I A Y L A Q F G N R M A F P G I K D A E R A E L I A Y L G T L M P F S G I D A Q Q R A D L I A Y L K T I K
UniRef90_A3SUE1	T L D D K K A R S K M S F R M R K G G E D V A A Y L A T F
UniKet90_K/Z68/ UniRef90_I3TQJ0	G N K M P F <u>[V </u> G L K N K D R Q D V I S Y L Q Q <u> V </u> G T K M S F A G L S K E D R A A V I A Y L N S
UniRef90_B6B7R9	ETGNSKAKSKMSFRLKKGGE DI YAFLAS
UniRef90_UPI0003015E8E	GNRMAFAGILKEDDRKNVTAYLIAQF GNRMAFPGLKDAERAELIAYL
UniRef90_A1WIA2	GTLMPFSGIDAQQRADLIAYLKTLK
UniRef90_A0A059IIL8	GNKMAFAGLKEDDRKNVI AYL AQF GNRMAFPGLKDAERAELI AYL GTLMPFSGI DAQQRADLI AYL KTLK GTKMAYGGLKEADRNNLI TYLE YTGDGAARSKMTFKLRRGGE DVAAYL ASV GTAMSFAGPNDKERADLI AYL
UniRef90_B3QGN4 UniRef90_B1LWI4	GTAMSFAGPNDKERADLIAYL GTKMLFQGPDDKKLNDVIAYLKT GTKMAFGGLKAKDRNDLITY
UniRef90_K9J9S4	GTKMAFGGLKAKDRNDLITY
UniRef90_F0YD26	GTKMAFGLPKDADRVNLIAYLSTLQ GTKMLFAGKKEKERNDLVDYLKS GTKMAFAGLKDEERANLIAYLSTLK
UniRef90_B3QGN4 UniRef90_B1LWI4 UniRef90_K9J9S4 UniRef90_C8RWN8 UniRef90_F0YD26 UniRef90_UPI00036A74DF UniRef90_R0FZ10 UniRef90_H2AV05 IJniRef90_A4FWF2	G T K M A F A G I K D E E R A N L I A Y L S T L K G N K M R F W G I S D R Q L D D I L A Y L R S V R
UniRef90_H2AV05	GTKMAFGGLKEKDRDDLIAYMK GTSMSFSGLKKQDRVNLIAYLDSL
	OT GDA A K SKMS FK LAK GA F DMA A VI A TILK
UniRafan UPInnn225En72	GTKMSFAGIISPFDRANIVIIIVII
UniRef90_UPI00027F540E UniRef90_S8APW2 UniRef90_F6EU58 UniRef90_A0A022FN24 UniRef90_UPI000476EDBC	MPGNKMAFAGLKEKERNDLVAYLK
UniRef90_F6EU58	MPGNKMAFAGLKEKERNDLVAYLK GSKMLFAGLNPADRANLIAYLA GTKMRFWGLNERQLEDLLAYLHS
UniRef90_UPI000476EDBC	GTKMRFWGINERKVADLLAYLHTFK
UniRef90_Q0C4F6 UniRef90_K7UZX9	GTSMSFAGIRDTDRAAVIAYLA GTKMVFPLKKPKERTDLIAYL
UniRef90_UPI00038ED26E UniRef90_V4NEU4	G T K MILTA GIKKGERADLIANLK G T K M A F A GIQDADRRNLIAYLK
UniRef90_UPI0003781141	G T S M G F A G I K D <u>T</u> D R A D L I A Y L N T <u>L</u>
UniRef90_C5B619 UniRef90_Q4RNP2	GTSMSFRGLDPLDRADVIAYLQT
UniRef90_V4JNJ2	GALAPQTRMLFAGVKPADRAHLIAYLRTL
UniRef90_I3TVU2 UniRef90_A0C010	GNRMPFGIPSEADRADIVDYLKSL GTKMAFAGLNEQERADLIAYLA GTSMSYSGVKDED <u>RV</u> NLIAYLNTF
UniRef90_X7FAB6 UniRef90_A7IBX2	G T K M A F A G K D P G K IV IA DII I IA Y II IK R F
UniRef90_Q2GB57	D G T K M S F A G L K G E D R A N V I V Y L N S L K T G D T K A K G K M T F K L P N E K E A H D V WA F L N S L
UniRef90_P86319 UniRef90_UPI000333DF09	G K K MII IF A II IK K N G E R A DIL I IA Y IL IK
UniRef90_UPI00036009BB	GTKMNFGLKKNQDRADLI LWLRQL GNRMTFAGRKPEDRLAVLAYLMT
UniRef90_A0A059FI06 UniRef90_B2IAX0	GILIK MILIF A GILIK F S D Q D NILIT A YILIA T F
UniRef90_UPI0003699312 UniRef90_V4NWJ4	Q G N R M S F A G L R D A D R R D V I A Y L A G T K M G F P G I K D F F R H N I I A Y I K
UniRef90_J7G535	YNDDKRAKSKMAFKLGDEEDAANVWAYL VSV
UniRef90_V7ELW4 UniRef90_W4HG19	YNDDKRAKSKMAFKLGDEEDAANVWAYLVSVKLGE KAKSKMSFKLKNETEAADVAAFLATFGTSMSYSGLSPEDRANLIAYLES
UniRef90_A6FPZ9 UniRef90_T0J6P0	HTGEDGRG KMTFKVRKEEDAVNVWAYLASV GTSMQFSGPDPLDRADLIAYLKT
UniRef90_W4HPE4	T Y T G T K M S F A G L K D D D I E A V T A Y I E
UniRef90_A1B9M7 UniRef90_UPI0003B76625	G T R M A Y R GIL A D A O R G DIL M A Y IL R
UniRef90_K2MBP7	MPGTKMSFAGLKPADRANLTAWLAT
UniRef90_D4Z038 UniRef90_M9RIF9	GRDMPGTKMSFAGLKPEDRAAVIKYLATL ALDNNRARGKMAYRVRDAQDALDIYAYLATF
UniRef90_U1MK72	GTKMVTGLKKVEDREDLVTYIE GNRMSFAGRKPEDRLALIAYLMT
UniRef90_A0A059FFS8 UniRef90_V4TNH9	G T R M S Y R G M P E Q D R A A L I A W L E
UniRef90 O22490	T K MVF P GLK Y T G D G S A R G K M T F R L R N A E Q A P D I WA Y L VS V
UniRef90_UPI00028988D3	GTKMSFAGLKPEDRANVMEFLST
UniRef90_A5PAE9 UniRef90_Q2G7L0	G T K M S F A G L K P E D R A N V M E F L S T G N R M A F P P L N P Q D R A D L V A F L Q Q
	C I FERT GORNOLE VINTELICO

```
UniRef90_J6F9E3
UniRef90_A4YN71
UniRef90_Q0FDA8
UniRef90_UPI00046B2548
UniRef90_US5ZGX4
UniRef90_US5RJM9
UniRef90_UPI00037A3884
UniRef90_UPI0003815295
UniRef90_UPI00046B8D85
UniRef90_UPI00046B8D85
UniRef90_Q1LG27
UniRef90_ULG27
UniRef90_UPI00032980A8
UniRef90_UPI0004707104
                                                                                                                G
G
                                                                                                         G
A
G
                                                                                                          UniRef90_UPI0004707104
UniRef90_UPI0004688F2D
 UniRef90_A3K3D5
UniRef90_UPI0003FD8FD7
 UniRef90_C6XQ33
UniRef90_A6FW74
 UniRef90_UPI0001D3676D
UniRef90_S8F084
 UniRef90_UPI0003B5A50C
UniRef90_I7EKM0
UniRef90_UPI0001D37534
UniRef90_UPI0002E92BA9
                                                                                                    GGG
UniRef90_UPI0002E92BA9
UniRef90_UPI0004643B97
UniRef90_B7QXV4
UniRef90_B7QXV4
UniRef90_S5XPI8
UniRef90_A4ETC2
UniRef90_UPI0003B4C6BE
UniRef90_UPI000465E07F
UniRef90_A0A059FQF8
UniRef90_Q4KJW9
UniRef90_A5G0B6
UniRef90_A9I4P1
UniRef90_UPI00026CB549
UniRef90_L9KY81
UniRef90_UPI000381ABE0
UniRef90_UPI000381ABE0
UniRef90_UPI000381ABE0
                                                                                                   G D A
G D A
G D A
D A
                                                                                                   NVAHGDAMRASSGYVEK
DLAAGDTAK
UniRef90_UPI00036TABE0
UniRef90_H5YB91
UniRef90_A9DG73
UniRef90_A3JNF3
UniRef90_UPI000287EBB2
UniRef90_A9DW48
UniRef90_I1B2Y6
                                                                                           E A D A D S G S
A D K G E
UniRef90_B7XKT8
UniRef90_UPI0003B5A3A6
                                                                                                          D A G A K N A E Q A D A A A R D A A A R D P E R D I A A K D P V Q D P A R
UniRef90_Q28Kl1
UniRef90_UPl0004762EFD
UniRef90_X6H1L0
UniRef90_UPl0004633CF6
 UniRef90_G8NZY2
UniRef90_G8ANM3
UniRef90_G8ANM3
UniRef90_D5BTY2
UniRef90_UPI000469D29F
UniRef90_P00079
UniRef90_Q98HR1
UniRef90_I5BGR2
UniRef90_F8BXU7
UniRef90_UPI0003A7036B
UniRef90_UPI0003A7036B
UniRef90_UPI00036E59DC
UniRef90_UPI00036E59DC
UniRef90_UPI00036517BD
UniRef90_UPI0001CBAA51
UniRef90_UPI0003793C6D
UniRef90_UPI0003793C6D
UniRef90_UPI0004CBAA51
UniRef90_UPI0004692D4
UniRef90_UPI0004692D4
UniRef90_UPI000465AC46
                                                                                                    A
A
G
                                                                                                          DS
DY
DP
                                                                                                            DAAA
                                                                                                           D P Q R
                                                                                                   I E A
A A D
G D A A A
UniRef90_UPI0004652C14
UniRef90_UPI000465AC46
UniRef90_P00085
UniRef90_K2JWM9
UniRef90_C4KAZ7
                                                                                                   G D V E A
N A A D
UniRef90_UPI00046AF341
UniRef90_U2ZR39
                                                                                                  DTRLGRAVF
DADRGARTF
KRGAQVF
GDAKVGARVY
DIQAGKARVF
DTAGAHELF
GERLF
RGGKLF
RGGKLF
GDPARGKVAY
VEDGAKVF
DAVLGKVAY
VEDGAKVF
DADAGARF
PAKGQAMF
DPAKGQAMF
UniRef90_UPI00037AF2B2
UniRef90_J1SMH6
UniRef90_UPI0003B77818
UniRef90_UPI0003B76147
UniRef90_F8GTI2
UniRef90_I1X5E9
UniRef90_UPI0004750343
UniRef90_UPI0003792F6E
                                                                                           H G D P A
Q G D V K
Q G D A V
V E
D A D
P A
D P A
 UniRef90_UPI000477F6CD
UniRef90_J3D387
UniRef90_L2FA57
UniRef90_Q16AT5
UniRef90_F3WVM3
UniRef90_A5FW83
```

UniRef90_A3STD1

A L A T L S F T V S A A K A A A V R V A S A S L L L

ASK | VAAAK VAAAA V | KAAA VAVAAS

UniDatoo ICEOEO	50 60 70 80 G Q A E G F S Y T A A N V N K G V T W D G Q T L F Q Y L E N P K K Y I P
UniRef90_J6F9E3 UniRef90_A4YN71 UniRef90_Q0FDA8	A A V P D Y A Y S E S M K N N K T P W T A A A L D A Y I A D P R G D V G S L D G F G Y S A V L A G L E G G W S T A A L D G F L K N P K K Y A P
UniRef90_UPI00046B2548 UniRef90_K5ZGX4	GQAPGFSYSEVIN KGKGIVWGEKTLMEYLENPKKYIP FSAPGFAYSDAVKPH AGKPWTPAMLDDWLKAPMSFAP
UniRef90_D5RJM9 UniRef90_UPI00037A3884	GGÜEGYNYSPALKAL GREWTPETLDAYLANPAGVAR GHHEGFNYSDA VKNSGITWTDENLLAWFEKDDAVVK
UniRef90_UPI0003815295	G S IV IF G Y K Y S D A N K N S G II V IW D F T IV IF R F Y II IR N P K A K IV IP
UniRef90_V4NWB1 UniRef90_UPI00046B8D85	G S A P G F K Y S K P L T A D A A A G T K W T R E S V S T Y L A A P Q K P Y MD T N K N K G T T W G E A T L M E Y L E N P K K Y T P
UniRef90_Q8KZ08 UniRef90_Q1LG27	AVHPDFKYGKSLVAAGAQGLVWNEADFVAYVADPKDFLKSGSTADYRYSDAM KTSNVVWSDATLGAFVQSPGKVVP GQAPGYSYTQANL DTDIVWDEDT ENPKKYIP GTVPGFSYSNAM KKSDIVWDTKILDAYLESPQQVVP
UniRef90_UPI00032980A8 UniRef90_UPI0004707104	GQAPGYSYTQANII DTDIVWDEDT ENPKKYIP GTVPGFSYSNAM KKSDLVWDTKLLDAYLESPQQVVP
UniRef90_UPI0004688F2D UniRef90_A3K3D5	ATVPDFAYSDAMKANKE PWTAAALDTYLADPRGDL GSVGGFNYSGNLNQV GDAWTPEHLNTFLESPKA
UniRef90_UPI0003FD8FD7 UniRef90_C6XQ33	GSVDGYSYSDSN KKSGLTWDDATFSEYLKDPKAKVP
UniRef90_A6FW74 UniRef90_UPI0001D3676D	G Q A S G IL IK A N K N K G II I I W G E D T IL IM E Y IL IE N P K K Y IV IP
UniRef90_S8F084 UniRef90_UPI0003B5A50C	G
UniRef90_I7EKM0 UniRef90_UPI0001D37534	GTYEGYKYGKDMVAAGEAGLAWDEASFTAYTADPKAFLRD GQGIGVSFTDT SKNKGLTWEEDTLTEYLENPKNCIS AQKGGFAFSDALKGV GGTWDLEKMDAWLANPRKFAP
UniRef90_UPI0002E92BA9 UniRef90_UPI0004643B97	A SILID G F R Y S N P M K R A NIL V I W D E E NIL IR A Y II IR D P Q A K IV IR
UniRef90_B7QXV4 UniRef90_A9V8B2	A Å Å D Å F G Y Š A L S A M S G T W T A E E L D A F L T K P S S Y V P G Q A P N Y P Y T D A N R S K G T W T R A T L D T Y L I D P R K Y I P
UniRef90_S5XPI8 UniRef90_A4ETC2	A S V A G F N Y D D A M K K H A D E A P D W T P E A L S H F L N N P K K A V P A Q V P G F K Y S K A F Q Q A D L T W S V E Q L Q A F M L D P K G I V P G A A D F K Y G D S I V A A G A A G L V W D E T N I V A Y I A D P K A F L I E
UniRef90_UPI0003B4C6BE UniRef90_UPI000465E07F	GILPSFRYSQAILI KSSGIIIWDDIIILNEWLIRDPQHILIP
UniRef90_A0A059FQF8 UniRef90_Q4KJW9	A A H P G F T Y S A A L P A V G G N W T Y E D M D H W L T N P G A F A R G S A A D Y Q Y S T A M K S S G I V W S R D K L I Q Y L E D P K A V V P
UniRef90_A5G0B6 UniRef90_A9I4P1	G S I V I P G F D Y S E A M K H S G I V I W N E Q T I L I D I V I F I L I K S P
UniRef90_UPI00026CB549 UniRef90_L9KY81	G Q R P R F A Y S G A L QLL L G G R WT P E R M D V WL T N P K R M V P G Q A P G F S Y T D A N K N K G L T W G E G T L T E C V E N P R K Y L P
UniRef90_V4PBL2 UniRef90_UPI000381ABE0	GSVEGFDYTEALKTAHARGETWSDTNLDAYLADPQK GSAPNYEYSDGLQALHKSGQVWSKESLTAFVVNPNEFLSV
UniRef90_H5YB91 UniRef90_A9DG73	GTAPDYNYSDAN KNSGII ITWNFAQFKFYII IKDPKAKII IP
UniRef90_A3JNF3 UniRef90_UPI000287EBB2	G G L A D F K Y S D G M R R A G E D G L V W D A E A L A Q F L E K P R G F I K G S I E G Y R Y S N A M A A L S V I W D E K T L T E F L T K P R A F V P G O N P R F A Y T A A L Q O V G G R W T R A R L D A W L A D P O R F A P
UniRef90_A9DW48 UniRef90_I1B2Y6	G Q N P R F A Y T A A L Q Q V G G R W T R A R L D A W L A D P Q R F A P A A V G D F G Y S G A L S S V D G S W T P E E L S A F L T S P K G Y A P G T V A G F G Y S G A L D Q V G D V W S P E N L F A F L E N P K G
UniRef90_B7XKT8 UniRef90_UPI0003B5A3A6	GIIADYOYSDAM KNSGWWWIRDKIIAAYIIFAPKKWWS
UniRef90_Q28KI1 UniRef90_UPI0004762EFD	GSEPGEOYSTAMAAII IGAEGKIVIWDEAEII IAII IEII IODPAAAIVIP
UniRef90_X6H1L0 UniRef90_UPI0004633CF6	A S H E G F A Y S A G M K E Y S K G G T E W T Y D N L N H F I T S P K K D V K G S A P S Y R Y S Q A M K D A G G G G L Y W S E A T L T D Y L R A P K A K V P
UniRef90_G8NZY2 UniRef90_G8ANM3	GSVAGFNYSEGL KKSGITWDEASLEKWLTDPDMMVPD GAVEGYHYSAAL KGSGIVWDEAAVARLFE
UniRef90_D5BTY2 UniRef90_UPI000469D29F	$G \Delta \overline{\Delta} D G F S V S \Delta \overline{\Delta} \overline{M}$ $\Delta G F G \overline{G} \overline{\Delta} W D V \Delta \Delta N \Delta \overline{F} \Delta K P K \Delta V$
UniRef90_P00079 UniRef90_Q98HR1	ASVDGFGYSGALTSLEGD WTEEALFGFLLNPKGYAPGQ EKFAYSKGM KGSGITWNEKHLFVFLKNPSKHVPGTAESFHYSEAMKSAGAAGLVWDEANLTEYLRAPKLKVP
UniRef90_I5BGR2 UniRef90_F8BXU7	TO A P TO F TO K ALL SASKIL VIVVI PINILIDE VVILLA PILLIVILVIP
UniRef90_UPI00047C355F UniRef90_UPI0003A7036B	GSVAGYNYSAAN KNSGLTWDEATFREYIKDPKAKVP ASVSGFAYSDALR KTHLTWNDETLSQWLSDPDAMVP GGLDNFDYSQALQ EADFEWTPEQLDQWLASPRNFLP
UniRef90_UPI00037293F7 UniRef90_UPI00036E59DC	GQRLARY GATAALRSVGGT WIDAAMDRWLADPARFAP
UniRef90_G8AQD1 UniRef90_UPI00036517BD	A S D G F K Y S K P M Q E K A A G G T W T P D N K A Y T A P K E V V P G G S V A G Y P Y S P A M Q Q A G T W N E Q T D T F R S P T H V V P
UniRef90_UPI0001CBAA51 UniRef90_UPI0003793C6D	GGLEKYRYSKVMAEANRAGEI WSLEALDAFLIDPRK ASIDGFKYSKPMQEKAAGGLTWTPDNLKAYITAPKEVVPG GSVAGYPYSPAMQ QAGLTWNEQTLDFLRSPTHVVP GELEGFTYRD LDRWTEKDITWTDQTLDEYLADPGNYVP ASVEGFKYSAAMTKAGAEDLFWTEENFSKYMVKPKDFIP GGVAGYAYSPAL KASTLVWDERNLAAFIRDSEAVVP QFYDNFSYSGALIAAAD VWTPENLNGFLENPRGYAA GSDEDFKYGKSLKAAGEAGLAWNEAEFVAFTADSKKYLRA
UniRef90_K9D9M9 UniRef90_A3V771	G G V A G Y A Y S P A L K A S T L V W D E R N L A A F I R D S E A V V P Q F Y D N F S Y S G A L L A A A D V W T P E N L N G F L E N P R G Y A A
UniRef90_UPI00046922D4 UniRef90_UPI000465AC46	G S D E D F K Y G K S L K A A G E A G L A W N E A E F V A F T A D S K K Y L R A G K V D G F R Y S P G L A K A D F V W D E A R L D A W L T N P Q G V V P D
UniRef90_P00085 UniRef90_K2JWM9	GAVEGYAYSPAN KASGITWTEAEFKEYIKDPKAKVP GSVEGARYSAAM KDSGLVWDAEQLDAYLANPRQVVP
UniRef90_C4KAZ7 UniRef90_UPI00046AF341	A G T P G F V F S R A L R K R E G V W T E A E L D R W L A D P Q A Y A P D A A E G F Q Y S G A L E Q S A D V W T P E N L Y A F L E K P S S W A P
UniRef90_U2ZR39 UniRef90_UPI00037AF2B2	GDIPGFNFSPAL KESGLVWNDETLDQWLASPRKLVP GRNARFGYTAALQSV GGEWTCARLDHWLTNPAAFAP
UniRef90_J1SMH6 UniRef90_UPI0003B77818	AVIDDYAYSPALKKAGEDGLVWNEHELAEFLTSPSGKIPGTVPGYDYSDAN KASHFVWTPEQLEAYLPNPKGAIP
UniRef90_UPI0003B76147 UniRef90_F8GTI2	GRNARFGYTAALQSV GGEWTCARLDHWLTNPAAFAPAVIDDYAYSPALKKAGEDGLVWNEHELAEFLTSPSGKIPGTVPGYDYSDAN KASHFVWTPELEAYLPNPKGAIPGGYDFAYSDAL KASGKTWTEAELDAYLTLPKKAIPGGTSDFQYSEAMRASKV VWSHDTLRAFIHSPGKVVPGTVDRYRYSKAVKKAGAGGLRWNTETLTEYLRKPRAFLKGSLDGARYSQAL KAADLVWDETTLDSYLADPRGRVPASAPEFGYSPALENM DGVWTAATLDEFLQRPNHAVPGSVQGEAYSDAMR
UniRef90_I1X5E9 UniRef90_UPI0004750343	G T V D R Y R Y S K A V K K A G A G G L R W N T E T L T E Y L R K P R A F L K G S L D G A R Y S Q A L K A A D L V W D E T T L D S Y L A D P R G R V P
UniRef90_UPI0003792F6E UniRef90_UPI000477F6CD	OUNCE NICONNER TO NEW TO THE PROPERTY OF THE P
UniRef90_J3D387 UniRef90_L2FA57	GIL LIN E Y Q Y T D A IL I K N S QII V IWT A E S IL ID R Y II IA N P K Q A IV IN
UniRef90_Q16AT5 UniRef90_F3WVM3	A A A E G Y G Y S D A L A S M E G A WT P E N L S G F L E K P S S Y A P G G S A R Y G Y T A A L E R V G G H WD R A T M N R WL T S P Q R F A P
UniRef90_A5FW83 UniRef90_A3STD1	FAAAGYSFSSAAKK <mark>H</mark> ATGD WTA <mark>H</mark> ELNEWLYDPMKAVP DSADGYSYSGALE KSAETWTPENLNAFLTKPAGFAP

URIRER90_JEF9E3 URIRER90_AVN771 URIRER90_JEF9E3 URIRER90_JEF9E		
Onlikef90_P00079	UniRefon ISEGE3	90 100 110
UniRef90_P00079	UniRef90_A4YN71	H G V K M Y F K G L D A K E R A D V V A F L S T L K
UniRef90_P00079	UniRef90_Q0FDA8	GTKMGFAGIIKKEDRANII I AYLQTIIK
UniRef90_P00079	UniRef90_K5ZGX4	GTHMAYPGIKDQMRADMIAYLNQ
UniRef90_P00079	UniRef90_D5RJM9	GTRMVLRVPAEQDRRDIIAFL
UniRef90_P00079	UniRef90_UPI0003815295	GTKMSFPGLKDDDDDNIVAYLKQF
UniRef90_P00079	UniRef90_V4NWB1	A K P G T S M MI J A V J K D E A K R A K L V A Y L N S L K
UniRef90_P00079	UniRef90_Q8KZ08	Y L D D K K A K S K M A F K L K D A E D Q A N V WA Y L V S V
UniRef90_P00079	UniRef90_Q1LG27 UniRef90_UPI00032980A8	G T K M R F W G M S D Q Q I A D L L A Y L R T F Q G T K M I F G I R K K K F R K D I I D V I K
UniRef90_P00079	UniRef90_UPI0004707104	GNRMPYAGLKPTDRTDLVAYLATLK
UniRef90_P00079	UniRef90_UPI0004688F2D UniRef90_A3K3D5	H G V R M F F K G L N P A D R A N V I A F L Q T L K A A P G T T M S F N G I K P F D R A A V I A F I O S V
UniRef90_P00079	UniRef90_UPI0003FD8FD7	G T K M A F A G V K D E Q K D L T A Y L H Q F
UniRef90_P00079	UniRef90_C6XQ33 UniRef90_A6FW74	G T A M N Y A GIL IS K E D R M N V T IA Y IL I <mark>H</mark> G T T M G F A GIL IK A E D R A N V T IA F IL I
UniRef90_P00079	UniRef90_UPI0001D3676D	GTKMLFGIKKNGERQDLVSYLTKL
UniRef90_P00079	UniRef90_UPI0003B5A50C	GTSMAFAGRDPLARADLIAYLATQR
UniRef90_P00079	UniRef90_I7EKM0	T L G D K K A K S K M S F R L K K G A E D L Y A F L A
UniRef90_P00079	UniRef90_UPI0002E92BA9	GTKMTFAGISDPQRADVILYL
UniRef90_P00079	UniRef90_UPI0004643B97	GNRMPYGGMSDKDVDDVIAYLETLK
UniRef90_P00079	UniRef90_A9V8B2	G T K M N Y P G L K D A Q R Q D L I A F L E
UniRef90_P00079	UniRef90_S5XPI8 UniRef90_A4ETC2	G T K M S F A G L K V E D R A N L K Y L S T L Q G N R M A F K G L K K E E A F N
UniRef90_P00079	UniRef90_UPI0003B4C6BE	ATGDAGAKSKMSFKLAKGGE DLAAYLASV
UniRef90_P00079	UniRef90_UPI000465E07F UniRef90_A0A059FQF8	G N I MP F P G V K D A G R R D L L A F L K G T S M S F A G L R D S D R V N V I A Y L A
UniRef90_P00079	UniRef90_Q4KJW9	G T R MUF WGLS D E E L D N L L A Y L Q T F Q
UniRef90_P00079	UniRef90_A5G0B6 UniRef90_A9I4P1	MT A VP G T S M G Y A G II D P Q E R A D L I A Y L K Q
UniRef90_P00079	UniRef90_UPI00026CB549	G T A M G F A GL D P L D R A D V I A Y L Q
UniRef90_P00079	UniRef90_V4PBL2	_ AMPGTAMPVSVEDATERRTLIAYLSSL
UniRef90_P00079	UniRef90_UPI000381ABE0	QLG PGHTSKMPFALPNGA ADII AEYLA
UniRef90_P00079	UniRef90_A9DG73	GNRMSYGMPDADDRATLIGWLET
UniRef90_P00079	UniRef90_A3JNF3 UniRef90_UPI000287FBB2	G T K M G F G G K K P Q E Q D L L A Y L G T A M A F P G L D P L D R A D V L A Y L F T Q R
UniRef90_P00079	UniRef90_A9DW48	GTTMGFAGLKVEDRADVIAYLQSV
UniRef90_P00079	UniRef90_I1B2Y6 UniRef90_B7XKT8	GTRMIFWGISDPEIDNILAYLETFO
UniRef90_P00079	UniRef90_UPI0003B5A3A6	GTKMAFAGLDAKKRKDVIAYLKTLK
UniRef90_P00079	UniRef90_UPI0004762EFD	G T R M A F A GL K R Q E V D F L L V Y L R Q L Q
UniRef90_P00079	UniRef90_X6H1L0	G T A M G F A G L L D D D D D A N V D A V D K
UniRef90_P00079	UniRef90_G8NZY2	NNMS I GVPKAQERS DLIAY FKQFK
UniRef90_P00079	UniRef90_G8ANM3 UniRef90_D5BTY2	UVIMIPGSKMPMQIITSAADRRDLVAYLK MPGTKMNFGLKKPSDRANMIIAWLRO
UniRef90_Q98HR1 UniRef90_ISBGR2 UniRef90_ISBGR2 UniRef90_UP100047C355F UniRef90_UP10003A7036B UniRef90_UP10003A7036B UniRef90_UP100037293F7 UniRef90_UP100037293F7 UniRef90_UP100036E59DC UniRef90_UP10003793C6D GTRMUNATADPQRRRQVIEVLQQQR UniRef90_UP10003793C6D GTRMUNATADPQRRRQVIEVLQQQR UniRef90_UP10003793C6D GTRMUNATADPQRRRQVIEVLAYLAT UniRef90_UP10003793C6D GTRMUNATADPQRRRQVIEVLAYLAT UniRef90_UP10003793C6D GTRMUNATADPQRRRQVIEVLAYLAT UniRef90_UP10003793C6D GTRMUNATADPQRRRQVIEVLAYLAT GTRMUNATADPQRRRQVIEVLAYLAT UniRef90_UP10003793C6D GTRMUNATADPQRRRQVIEVLAYLAT GTRMUNATADPQRRRQVIEVLAYLAT GTRMUNATADPQRRRQVIEVLAYLAT UniRef90_UP10003793C6D	OHIINGI30_OH 1000403D23I	GTTMGFAGLKPADKVNVIAYLQSL
UniRef90 I5BGR2	0111110100_1 00010	G N K M A F G G L N D D D L A N V L A Y L K
UniRef90_UPI00047C355F	UniRef90_I5BGR2	GTLMGFRLGSPQDRADVITYLA
UniRef90_UPI00037293F7	UniRef90_UPI00047C355F	GNNMSFRVIRPGERADVIRYLRQ
UniRef90_UPI00036E59DC		G T K MII IF P GII IP D A A R A DII I IA YII IR T
UniRef90_UPI00036517BD GTRMIVNATADPQRRRQVIEVLQQQR UniRef90_UPI0001CBAA51 GTKTFFPLPSKQDRIDLIAYLH UniRef90_UPI0003793C6D GNTMSFAGLKEADILANLIAYLKSL UniRef90_K9D9M9 GNKMRFMNMSEQQASDIVAYLAT UniRef90_A3V771 GTTMGYNGMRAEDRANLIAYLAT	UniRef90_UPI00036E59DC	T MP G T R MVF A GI D P E E R A A L I L WL
UniRef90_UPI0001CBAA51 G T K T F F P P S K Q D R D L I A Y L H UniRef90_UPI0003793C6D G N T M S F A G L K E A D L A N L I A Y L K S L UniRef90_K9D9M9 G N K M R F M N M S E Q Q A S D I V A Y L A T UniRef90_A3V771 G T T M G Y N G M R A E D R A N L I A Y L A T F		G T R MIV IN A T A D P Q R R R QIV I IE Y IL IQ Q Q R
UniRef90_K9D9M9	UniRef90_UPI0001CBAA51	G T K T F F P L P S K Q D R I D L I A Y L H
UniRef90 A3V771 G T T M G Y N G M R A E D R A N L I A Y L A T F		G N K M R F M N M S E Q Q A S DII V A Y L A T
HoiPefan Hillingarasana VIIID D K K K G K M G E DITK D E O A A K D WWA V W WG W	UniRef90 A3V771	G T T M G Y N G M R A E D R A N L I A Y L A T F
UniRef90_UP100046922D4	UniRef90_UPI000465AC46	AF MVYRQAKPETRAAI IAYLKEL
UniRef90_P00085 G T K M V F A G K K D S E L D N L WA Y V S Q F UniRef90_K2JWM9 G T S M P V G V P N A G Q R A Q I I D Y L R T L	UniRef90_P00085	GTKMVFAGKKDSELDNLWAYVSQF GTSMPVGVPNAGOPAOU LDVUPT
lUniRef90 C4KAZ7 GTKMAYAGILIKDAQRRAIVI EYILIKTILIR	UniRef90 C4KAZ7	G T K M A Y A GIL IK D A Q R R A IV I IE Y IL IK T IL IR
UniRef90_UP100046AF341 G T S M G F A G L S S Q E R V D V I A Y L D S L UniRef90_U2ZR39 G T R M A Y A G M S P A Q R K Q V I E Y I K T L K		
UniRef90 UPI00037AF2B2 GTSMHFPGILIRNGDRADIVI AYIL	UniRef90_UPI00037AF2B2	G T S M H F P GIL IR N G D R A DIV I IA Y II I
UniRef90 UPI0003B77818 GTKMRYAGVKDAERADVIAFLQTLK	Unikei90_J15WH6	G T K M R F W G L W S F E L D D L T A F L K G T K M R Y A G V K D A E R A D V I A F L Q T L K
UniRef90 UPI0003B76147 GGKMKFDGILIPFADRADIVI IAYILIATI IK	UniRef90_UPI0003B76147	G G K M K F D G L P E A D R A D V I A Y L A T L K G T K M R F W G L S D D Q T S D L L A Y L Q T F Q
UniRef90 I1X5E9 GTRMSFAGMKDADILIAEILVIAWILI	UniRef90_I1X5E9	G T R M S F A G M K D A DIL IA E IL V IA WIL I
UniRef90_UPI0004750343 G T T M T VA L R N D S E R A A V I A Y L R D L UniRef90_UPI0003792F6E G T D M S F R G L N P T D R Q D L I N W L A	UniRef90_UPI0004750343	G T T M T V A L R N D S E R A A V I A Y L R D L
UniRef90 UPI000477F6CD G T A M G Y A GIL IA D O F R A DIL LIA Y IL IK O V	UniRef90_UPI000477F6CD	G T A M G Y A GIL IA D O F R A DIL LIA YILIK OIVI
UniRef90_J3D387 N M M M F A G Q A D A Q S R Q H L I A Y L K S L K UniRef90_L2FA57 G T R M S E P A D A K M R Q D I I A Y L S T L K	UniRef90_J3D387	N
UniRef90 Q16AT5 GTSMGFAGILIKIVIFDRANIVI IA YILIDSILI	UniRef90_Q16AT5	G T S M G F A GIL IKIVIF D R A NIV I IA Y IL ID S IL I
UniRef90_F3WVM3 G T K M T F G L P D P L A R A D V I A Y L E UniRef90_A5FW83 G T H M A Y P G I K N N A R A N M I A Y L N Q		G T K M T F G L P D P L A R A D V I A Y L E G T H M A Y P G I K N N A R A N M I A Y I N O
UniRef90_A3STD1 GTTMGFAGLPKEDRANVIAYLDSL		GTTMGFAGLPKEDRANVLAYLDSL

UniRef90_X6KVL4 UniRef90_C7DBR4	1
UniRef90_A6E1S6 UniRef90_F8J9K8 UniRef90_UPI0003B6F892	DLAAGEQV FRKCAACH VLE DGVNGTGPHLYSV VGRDI DPANGEGLFRNCAACHAV V DGENKVGPHLYGV VGREV AAYGEEI YQSCQDCHSLDT NDVGPKHRGV FGRKA
UniRef90_U4V7K6 UniRef90_B3TB31	NEESGQKI SKKCVACHGFDAGGPNKVGPNLYNI VNKDQ DAAAGEKLFKRCSVCHTADAD ESKRGPSLKSVVGRKA DGDVEKGKKAFKKCKMCHTVEAGGKNKVGPNLHGVFGRAA
UniRef90_W7DX39 UniRef90_UPl00047C47D4 UniRef90_UPl0002D91999	V VQ G K E D F Q R C A V C H T D T Q N G N A R L G P N L Y N I I N K P I P E N G Q G T F K K C L A C H T A D K A A A S K A G P N L WD V V G R A R VA A G E Q Q A A V C K A C H Q V E P N G L T L V G P P L Y G I A D R E L
UniRef90_Q0F0Y3 UniRef90_W7GDU1 UniRef90_A0A011PDB8	NAVRGHALLAKKCQLCHTFDAGKKAKFGPGLFGII VGKQA QRAFELCAGCHTVNAGGLHRFGPNLHGVIGRRA
UniRef90_Q1GDI1 UniRef90_X7EIL8 UniRef90_UPI00040CA52A	DVDKGAKVFRKCSACHKLD GTDATGPHLDGVVGRDI DVARGEALFSNCTACHRIVAPGGGLAGPNLYGAAGGRA
UniRef90_M5FBX6 UniRef90_C5JAH8	DVDKGAKVFRKCSACHKLD GTDATGPHLDGVVGRDLDVARGEALFSNCTACHRIDAPGGGLAGPNLYGAAGGRAGTTLFQQCATCHTIDPADPMRQGPPLAKILGRTAADGERLFQRCGTCHSLEPG QNRVGPHLSGVVGRTAQGDVAIGKRLVENCAVCHDLTAAMKNQRGPYLWGLVDRPANAESGKELFGKCGTCHLVAPGCKNPKPNLWGIVGRRK
UniRef90_UPI000478ECF4 UniRef90_UPI0003B56AE6 UniRef90_A0A022GU09	WARCAICH DNTKGGPNKIGPNL WGI VGRRK HGNPAAGAAIYDRCLACHAFS YDRTGPKHCGLLGRRA GDAANGMRVFNTCSDCHSITEG KNKIGPSLWNV VGRKP
UniRef90_D7DK45 UniRef90_V4QSX3 UniRef90_D0CRY2	GDAANGMRVFNTCSDCHSITEG KNKIGPSLWNVVGRKPAGEREFRKCSVCHTLTPDGENRAGPTLYRLFGRKAEGDPARGETLYNRCSSCHAIIKDGEGITGPNLYGVVGRTAGDAAEGEAQFRQCVSCHVIAAGRNGKIGPNLHEVIGRTP
UniRef90_U2Z605 UniRef90_C6UN54	GDAAEGEAQFRQCVSCHVIAAGRNGKIGPNLHEVIGRTP AARGERFYSACAGCHTPGRGQPHGVGPNLWGVVLRRV
UniRef90_U3A5N2 UniRef90_UPI00047A5890 UniRef90_Q2W7W2	A A R G E R F Y S A C A G C H T P G R G Q P H G V G P N L W G V V L R R V L E A G R K L F L R C A A C H S V N P D D R R T G P H L N G I V G R P V G D A S A G S D V F K E C A E C H S I K E G R N K K G P S L F G V V G R K A N Q C K A C H K V E A G K H G V G P S L F G V Y G A K A D A R R G A E V F A N C S V C H A V T K G T T G M M G P N L F G V Y G R K S G Q A V F Q R C S L C H A L A P A C P S K M G P P L A G V V G R K A
UniRef90_J2SQI5 UniRef90_B0T1W7 UniRef90_UPI0002D5DA17	D A R R G A E V F A N C S V C H A V T K G T T G M M G P N L F G V V G R K A C
UniRef90_E4XB08 UniRef90_F7XED8	GQAVFQRCSICHALAP APGKMGPPLAGVVGRKA FAACKACHTVEKGGRNGVGPNLNGVVGRPA AKGKKLFQKCKQCHSYEAGGKHGQGPALAG FYGKP AAPGQKLFQRCGACHQLETP RNGVGPHLLGVVGRTA EADAAPGQRLFQRCGACHQI ATPRNGVGPNLQGVVGRAA GESQFRPCAACHSLTAG ENKTGPYLAGVVGRAV NGERQFFKCSVCHTLVKDGAKGPTLYNIFGREA
UniRef90_UPI0004136255 UniRef90_S9QU69 UniRef90_A4GIG4	GESQFRPCAACHSLTAG ENKTGPYLAGVVGRAV NGERQFRKCSVCHTLVKDGAKRAGPTLYNIFGREA
UniRef90_Q58PS2 UniRef90_X7FDZ9 UniRef90_UPI000367B141	A K G E A V F K T C Q T C H S V V D P G K G K L G P N L Y G V F G R Q A D P A A G E R Q F R K C S V C H T L G P D G A R R A G P S L A G V F G R A A G S A L R G Q V L Y Q R C A S C H A V D N N D A G P L H R G V L G R R A
UniRef90_F7VBX7 UniRef90_UPI0003760496 UniRef90_W4YJY5	HADADRGEEL ARQCSSCHALVSAAADGVGPNLASVAGRPI GNAAHGAKVFQQCSDCHT TITGKNKRGPSLAGVVGRSS
UniRef90_W5BX87 UniRef90_B4WDY2	N G E R Q F R K C S V C H T L V K D G A K R A G P T L Y N I F G R E A A K G E A V F K T C Q T C H S V V D P G K G K I G P N L Y G V F G R Q A D P A A G E R Q F R K C S V C H T L G P D G A R R A G P S L A G V F G R A A G S A L R G Q V L Y Q R C A S C H A V D N N D A G P L H R G V L G R R A H A D A D R G E E L A R Q C S S C H A L V S A A A D G V G P N L A S V A G R P I G N A A H G A K V F Q Q C S D C H T T I T G K N K R G P S L A G V V G R S S G D P D K G A K I F K K C Q C H V I D N S G K H K Q G P N L M G L W G R K T G N A A S G E K L F K K C A Q C H T V E R G G A H K Q G P N L F G V V G G P V E R G A E V F R A C A A C H T L T P D G G N R A G P T L Y G I F G R R I K G D K V K G E K L F K K C K Q C H S I A P D G F T S W G P S L F N V Y N R T A G D I A E G E E L F T K C M T C H S I L A P D G G A V G P N L Y G V I G R Q A R K C A A C H T A T A H E N R V G P S L M G V V G R P V
UniRef90_UPI00037E9FCE UniRef90_A5JZA8 UniRef90_D0J4W0	K G D K V K G E K L F K K C K Q C H S I A P D G F T S W G P S L F N V Y N R T A G E Q I Y T R C A A C H A L A Y D R V G P H H C G L L G R R A
UniRef90_C8S0F4 UniRef90_N6V4C1 UniRef90_F5SP36	G D A E G E E L F T K C M T C H S L L A P D G G A V G P N L Y G V I G R Q A R K C A A C H T A T A H E N R V G P S L M G V V G R P V G D S Y R G F O L Y F O C S O C H T L K P G S N K K G P O L L G V Y M A P S
UniRef90_W0MSX2 UniRef90_H0HRV8	RKCAACHTATA HENRVGPSLMGVVGRPV GDSYRGEQLYEQCSQCHTLKPG SNKKGPQLIGVYMAPS GDAEAGKAVFTRCSGCHKIGPSARHAFGPQLNGIVGQRA AEVFRACIACHTLGPNDGNRAGPTLHGIFGRKI VERGRAVYQECAGCHSVEA HREGPAHRGVVGRRA FATCRSCHSTEPG RNGIGPTLHGIVGSKA
UniRef90_J0U9F7 UniRef90_A0A031JN09 UniRef90_Q02A35	FATCRSCHSTEPG RNGIGPTLHGI VGSKA GKDLFRRCTGCHAID REKSGPRLAGVYGRRA
UniRef90_D3ZS15 UniRef90_A0A059DLP1 UniRef90_UPI00036DDEDA	GKDLFRRCTGCHAID REKSGPRLAGVYGRRAGDVVKGKKTVQKCAQCHTVEKGGKHETGPKLHGLFGRKTGELFKRCAVCHSVVPGQTLMGPSLAGIVGRPANOCASCHTVFAGKNGFGPSLAGVVGRHS
UniRef90_Q5NZC9 UniRef90_D6V4M3	
UniRef90_Q126Y3 UniRef90_W6IAK0 UniRef90_V4QSG2	ALRGE EILYARCLACHAL AYNRIGPRHCGLIFGRRA DVDRGQSDFRACAACHSLEPG RNMTGPSLADLWGRKA DVERGAQVSRSCMACHSFSPG RHMTGPSLAGVWGRRA DAALGKKIFAQCSGCH EMGTDKEGPRLAGIIGRKA ALGERAFAQCKACHSIEAGKSDGVGPNLYGFYGSKG GDAKRGQQMFEKCGACHNFEDDKQELAAPTLKKIMGKRI GEQLFRQCGACHQDS RNRVGPGLAGVLGRRA EGDPARGRSLFQRCQACHQAVQP RHGVGPSLQGVVGRAA
UniRef90_A0CJR6 UniRef90_D5RQT7 UniRef90_D5RMZ5	GDAKRGQQMFEKCGACHNFEDDKQELAAPTLKKI MGKRL GEQLFRQCGACHGVDS RNRVGPGLAGVLGRRA EGDPARGRSLFQRCQACHQAVQP RHGVGPSLQGVVGRAA
UniRef90_A4YLZ0 UniRef90_A5ECM3 UniRef90_H0JHA6	VEKGAAAAKKCAACHTFAKGEKNGVGPNLWGVVGDKI PVDGATLFQQCGVCHTLSSAEPMRQGPPLTKVVGRRA DADNGRNLFRRCHNCHSVGPGAQSGFGPQLNDLFGRQA
UniRef90_A0A017HAV4 UniRef90_I4YSP8	H T F E K G G P T R V G P N L F G V T A R P L
UniRef90_E8TR43 UniRef90_G6EB33 UniRef90_W0H7S5	ARGEQVYAR <mark>C</mark> AACHAI EGNRTGPQ <mark>HC</mark> GLFGRRA FTQCKVCHAVEPGKNGVGPTLFGIVGSKA GD <u>A</u> EAGKAVFTR <mark>C</mark> SGCHKIGP <u>S</u> ARSAFGPPLNGIIDRQ <u>A</u>
UniRef90_M9R7M0 UniRef90_G0QJP0 UniRef90_B1ZFG4	FTQCKVCHAVEPG KNGVGPTLFGIVGSKA GDAEAGKAVFTRCSGCHKI GPSARSAFGPPLNGI I DRQA DIDSGEGQWRACSACHKL AVGENGTGPYLYGVVGRDV DGDFVAGSQIFTQCQSCHSLEKDGRKTSGPGLGLIYGRRA ERGAEVFRACVACHTLTPDEAPRAGPTLAGIFGRRA GRIAFNPCKACHSLAQG EHKVGPSLYGLFGRQA
UniRef90_W4LUN6 UniRef90_A5V904	GRIAFNPCKACHSLAQG EHKVGPSLYGLFGRQA VFGVCGTCHKVDKGAPNGLGPNLFGIANTKA
UniRef90_W1RZU2 UniRef90_D0CSS4 UniRef90_Q133I0	VF GV C GT C H K V D K G A P N G I G P N L F G I A N T K A F A I C A A C H A T Q A G K G S F G P N L R G I A G R K A G D M T N G E R Q F R K C S I C H S L T P D D Q R R A G P T L H G V F G R R A H T F E K D G P N R V G P N L Y G I V G E K R
UniRef90_V4NZ64 UniRef90_L8WZU7 UniRef90_N0A2U3	G D A VA G K K A F G A C M S C H S I K P G VT G I G P S L S G I V G K K A A Q R G K E L F Q R C S A C H A I E S G Q P E R A A P N L R A I Y G S S I C A Q C H T V E A G G K H K T G P N L H G L I G R K T D P E N G E R Q F R K C S C H T L E P G P S R R A G P T L A G V F G R R A G E V E K D K K I F Q K C A Q C H T V E R G G K H R T N F H G L Y G R K A G E V E K D K K I F Q K C A Q C H T V E R D G P R P A G P T L F G V E G R M A
UniRef90_A3SJR4 UniRef90_UPl0003333295 UniRef90_Q4PJF4	DPENGERQFRKCSICHTLEPGPSRRAGPTLAGVFGRRAGEVEKDKKIFQKCAQCHLVERGGKHRT NFHGLYGRKA
UniRef90_T5KXG3 UniRef90_X0RSM6	DPVAGQKI FERCSACHSL SE HKVGPQL GGV FGRKV KGEKL FGKCKACHKV QDGVNGVGPSL WGV VGRDI
UniRef90_D5WNP2	EGDLVRGGQAARA <mark>C</mark> ME <mark>C</mark> HSFAPG RHMTGPSLAGVWGRKA

	50 60 70 80
UniRef90_X6KVL4 UniRef90_C7DBR4	50 G S V E G F K Y S G T M A G M G G V W D A E A L H A F L A K P R D Y V K G S V D G Y G Y S G A L V A Q A D V W G Q D E L F G F L E S P K G W A P G G V A D Y S Y S G A L T A V A Q V W T P V E L D A F L E N P K G Y A P G A V P D Y S Y S V A L K T S G I V W T E D T L D K W L A D P Q K L V P G K A D Y A Y S K V L A S L S G K W S Y E E L N K F L Y K P K L Y P K G Y P Y S D A M R K A A A E G L V W N D E E L K A F L R K P Q A V V K G S F E G Y K F S D A L K E S G I I W D E A A I D Q W I T G P K K M V A A S Q S N Y T Y S G V L K N K K T N W T E S D L D Q L I E N P Q K W A P A S R S D F N Y S E G L S A N R I E G K T W D E E S L D A F L A S P A E F A P G K T E S Y K Y G Q A L A A T F T W D Q S N L A D W V C N S G S A I K Q
UniRef90_A6E1S6 UniRef90_F8J9K8	G G V A D Y S Y S G A L T A V A Q
UniRef90_UPI0003B6F892 UniRef90_U4V7K6	GK ADYAYSKVLASLSGK WSYEELNKFLYKPKLY ASYPGYPYSDAMRKAAAFGLYWNDEFLKAFLRKPOAVVK
UniRef90_B3TB31	GSFEGYKFSDALL KESGLIWDEAALDQWITGPKKMVA
UniRef90_W7DX39 UniRef90_UPI00047C47D4	ASRSDFNYSEAM KAKT NWTESDLDQLTENPQKWAP ASRSDFNYSEAM KAKTGEWTYADLAGFLHAPKAWLP
UniRef90_UPI0002D91999 UniRef90_Q0F0Y3	A A F S G F N Y S E G L S A N R L E G K T W D E E S L D A F L A S P A E F A P G K T E S Y K Y G Q A L A A A T F T W D Q S N L A D W V C N S G S A
UniRef90 W7GDU1	G S L P D Y G Y S Q G M R R A D F V W S A Q T L D T F L Q S P T H L V P
UniRef90_Q1GDI1 UniRef90_X7EIL8	A A S A G F G Y S G A L T A L E G A WT P E A L N E F L L K P S D Y A S
UniRef90_UPI00040CA52A	GKVDGFHYSPGL AKADFVWDETKLDAWLTDPQAVIP
UniRef90_M5FBX6 UniRef90_C5JAH8	GAAAGFEYSAAMR ESGIVWDAQSLDTFLAAPRQMVQ GAAAGFEYSAAFKNVAHEPFDWTEANLDSFLAHPAGLIPD
UniRef90_UPI000478ECF4 UniRef90_UPI0003B56AE6	GTHANFRYSDGL KDAGGDWIFEELINLFIISNP GTHANFRYSDGL KKSGLTWNAATLDKWIENPRALVP
UniRef90_A0A022GU09 UniRef90_D7DK45	G S E P G F A Y S D A M K Q S K L V W N E R T L D R F L A D P L K V V P A S I S D F N Y S D A M R K N D I I W T E D R I S T Y I T N P Q G L L P
UniRef90_V4QSX3 UniRef90_D0CRY2	GTVPGYPYSDALKEL DIVWTEETVSQ LFDH GTENDYMFTDDMIRAGENGLVWTQENIAAYARDPIGFLQD
UniRef90_D0CRY2 UniRef90_U2Z605 UniRef90_C6UN54	GSAKGYGYSLAL ATAGGVWTERDLDEYLTAPSRFLPGAASAGFGYSGALTALEGA WTPEALNEFLLKPSDYAS GAQPGFNYSRWLTRLGEQGVTWTPDDFAAYIENPTQYTKN GKVDGFHYSPGL AKADFVWDETKLDAWLTDPQAVIP GSVEGARYSAAMR ESGLVWDAQSLDTFLAAPRQMVQ GAAAAGFEYSAAAFKNVAHEPFDWTEANLDSFLAHPAGLIPD ASQGDVEYSASL KDAGGDWTFEELNLFISNP GTHANFRYSDGL KKSGLTWNAATLDKWIENPRALVP GSEPGFAYSDAMKQSKL VWNAATLDKWIENPRALVP GSEPGFAYSDAMKKN DI WTEDRISTYLTNPQGLLP GTVPGYPYSDALKEL DI VWTEETVSQ GTVPGYPYSDALKEL DI VWTQENLAYARDPLGFLQD GAVEDFRYSDAILAYGIEGMVWGVDNTVAYLQDPTGFLQD GAVPSYAYSSALRSLSTS
UniRef90_U3A5N2 UniRef90_UPI00047A5890	AALPGYRYSDALR AKTFÜWDEKQLDELQNPQALVP
UniRef90_Q2W7W2	GHAEGYKYSD NHVKSGMVWDDANLGKYLADPKATIP
UniRef90_J2SQI5 UniRef90_B0T1W7	A A V P S Y A Y S S A L R S L S T S R W G L E A L N K F L K R P N E Y A P A A L P G Y R Y S D A L R A K T F L W D E K Q L D L L Q N P Q A L V P A A V P D Y E Y S D A L R A Q S A W V W T P E Q L H S Y L G Q P A K G H A E G Y K Y S D N H V K S G M V W D D A N L G K Y L A D P K A T I P G S L A G F S Y S Q A M R D K D V D W Q A E N I T Q L I T Q P Q A Y V P G T A P G F A Y S A A L K A Y G V T W T P E T L D A F V K A P S K T V P A S L P G F N Y S T A L K N S K L Q W D A A T L D Q F L A A P M K K V P
UniRef90_UPI0002D5DA17 UniRef90_E4XB08	A A QS S F N Y S D A I K N S K L Q W D A A I L D Q F L A A P M K K V P
UniRef90_F7XED8 UniRef90_UPI0004136255	A S L P G F N Y S T A L K N S K L QWD A A T L D Q F L A A P M K K V P A A Q S S F N Y S D A I K S S G I V WD D S S L E Q W L T N P K K F V P G S V D G F R Y S A A L K G S G F A W T A E T L E T F L S N P A A M V R G T V E G F R Y S A A L R D S G I T W T P E Q L E T F L S N P T A M V R D S V E G F A Y S G A L E K V A D V W T P E N L N L F L A N P R G F A P G T L P G Y K Y S K A L L D S D I I W G E E T I H R L F T D G T Y E G F K Y G E S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G F G Y S Y S C S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G F G Y S Y S C S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G F G Y S Y S C S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G A G A G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G A G A G S I V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G A G S G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A G S G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A S G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A S G L V W D E A N F V E Y V Q G P T D F L K G S G S I V A A G A A G S G L V W D E A N F V E Y V Q G P T D F L K G S G T C T T
UniRef90_S9QU69 UniRef90_A4GIG4	DSVEGFAYSGALEKVAD VWTPENLNLFLANPRGFAP GTLPGYKYSKALL DSDIIWGEETIHRLFTD
UniRef90_Q58PS2 UniRef90_X7FDZ9	GTYEGFKYGESI VAAGAAGL VWDEANFVEYVQGPTDF LK GSLPGYPYSDALR QSDI VWTAETID ALFAL
UniRef90_UPI000367B141 UniRef90_F7VBX7	GAVPGFDYSPALR ASRLVWTRQSLDAWLRNPEALIP
UniRef90 UPI0003760496	GSLPGYPYSDALR QSDIVWTAETID ALFAL GAVPGFDYSPALR ASRLVWTRQSLDAWLRNPEALIP ATAAGYAYSSAL LGQREHVWSDQALSDWLTSPARFAP ASVPYYNYSDAARAAKL QWTPERLTRYLASPKTDLP GQGAGFKYTDANV NKGITWSMDTLWVYLENP
UniRef90_W5BX87	GTTAGYAYSTANKSMAV VWEENTLYDYLLNPKKVIFF
UniRef90_B4WDY2 UniRef90_UPI00037E9FCE	A S A P G Y D Y S P A L K A M S L V WS G Q T L A R L F E G P N A Y L P
UniRef90_A5JZA8 UniRef90_D0J4W0	GQGAGFKYTDANV NKGITWSMDTLWVYLENP GTTAGYAYSTANKSMAV VWEENTLYDYLLNPKKVIFF MHRAGFAYSDAMAKHKAEAPTWGYDELNSFITAPARYVP ASAPGYDYSPALKAMSI VWSGQTIARLFEGPNAYLP GMSRGNSPFQVSPDMYASGIIWNDLNLMKYMRNPKDFVEA GTVPGFAYSNAM KNSGFI WDEKTLDRFLTQPMKVLP GTYPGFAYSKSMKAAGEAGIIWSADQIAIYVQSPPDFLKK ASVPDYNYSPAMKAFGADGKIWDEALLRKYLPAQSVIAD
UniRef90_D0J4W0 UniRef90_C8S0F4 UniRef90_N6V4C1	A SVP D Y N Y S P A M K A A G E A G L I W S A D Q I A L Y V Q S P P D F L K K A S V P D Y N Y S P A M K A F G A D G K I W D E A L L R K Y L P A P Q S L V K
UniRef90_N6V4C1 UniRef90_F5SP36 UniRef90_W0MSX2 UniRef90_H0HRV8	GQQEGYVYTDAM KNSGVVWNREELRTYIKDP
UniRef90_H0HRV8 UniRef90_J0U9F7	A SVP G Y H Y S P A F R K M D L V W T P E T V S K L F E L W T R A T L K A W L T D P E A L I P
UniRef90_A0A031JN09 UniRef90_Q02A35	GEIVEGYAFSPAIL KGSGIITWDRKTILDTWLQGPMKMVP GAILAGETYSESIIR KSGVVWDRATIIDRWIIANPESVVPD
UniRef90_D3ZS15 UniRef90_A0A059DLP1	GALAGFTYSESLR GQAAGASYTDVN GAVDGFRYSPAM GSITGYNYSAAM KSGVVWDRATLDRWLANPESVVPD KNKGLTWGEDTLMEYLELPRKYIPE KEAGFDWTAEDIDAFIESPRKKV ANAGLTWDAANIDKFIANSTAFVP
UniRef90_UPI00036DDEDA	GSI T G Y N Y S A A M A N A GILT W D A A N I D K F I A N S T A F V P G S L P D Y G Y S D A M R E S G I V W D A A T L D R F L A A P T R V V P
UniRef90_Q5NZC9 UniRef90_D6V4M3	GGILASERYSDAIL KSSGILVWNDKTILDEWLLIDPOHMIVPD
UniRef90_Q126Y3 UniRef90_W6IAK0	GTAAGFRYSDAL KRSELVWTEKSLDAWLRKPAALIPGSVPGYPYSKAL AAADFLWDEGHLDRWLAGPAAMLPGHSATFKYSAAMKAY GVTWDDKTLDTFLTAPTKAVP
UniRef90_V4QSG2 UniRef90_A0CJR6	GHSATFKYSAAMKAY GVTWDDKTLDTFLTAPTKAVP GST_LFHYSKSMR NCNETWTEKNMFLFLKDPKAYFRD
UniRef90_D5RQT7 UniRef90_D5RMZ5	GST LFHYSKSMR NCNETWTEKNMFLFLKDPKAYFRD AAVESFRYSNAMRAKAAEGLTWDEATLHAYLQAPKQVVPG AAAPGYNYSPAL KAAGLTWTPEVLADFLGAPTTKVP
UniRef90_A4YLZ0 UniRef90_A5ECM3	GSVEGFRYSAGF AKADFTWDEARLDAWLTNPQELIP
UniRef90_H0JHA6 UniRef90_A0A017HAV4	GŚLAGYNYŚDAMR NAGFAWDREALAAFLRDPEQKVP GAVEDFRYSDAI VAYGFDTVVWGKDNTIAYLEDPTAFLRD
UniRef90_I4YSP8 UniRef90_E8TR43	GAVEDFRYSDAI VAYGFDTVVWGKDNTIAYLEDPTAFLRDAGLSDYRYSNALKAHQG NWDQAQLDAFLKSPRGYAPGTAPGFDYSGAMR ASGIVWDARTLDLFLKDPPATVP
UniRef90_G6EB33 UniRef90_W0H7S5	GEVEGYSFSPAL AKSGITWNRSTLDTWLASPMKMVP AQYPDYKYTP EMQASGLIWTREKLSAFIKDPSEMVP
UniRef90_W9R7M0 UniRef90_G0QJP0	A G I S D Y R Y S N A L R A H Q G N W D Q A Q L D A F L R S P R G Y A P G F D Y S G A M R A S G I V W D A R T L D L F L R D P P A T V P G E V E G Y S F S P A L A K S G I W T R E K L S A F I K D P S E M V P A S V D A F D Y S G A L I A V N D V W T P E E L N L F L E N P K G Y A P G A D Y Y Y N Y T P A L T Y S S H I W N T R N L F Y F L Q N P K N F L K G A A V P G Y R Y S E A L R A M D I V W T P E T V A R L F E G S V S D F N Y S S A M Q E V G S T S T Y I V R A F L R S P S T Y I C S P S T Y I V R A F L R S P S T Y I V R A F L R S P S T Y I R S P S T Y I V R A F L R S P S T Y I R S T I R S P S T Y I R S T I R S P S T Y I R S T I R S T P S T Y I R S T I R S T P S T Y I R S T I R S T P S T Y I R S T I R S T P S T Y I R S T P S T P S T P S T P S T P
UniRef90_B1ZFG4	GSVSDFNYSSAMQEV GIVWTEATVRAFLKSPSTYI
UniRef90_W4LUN6 UniRef90_A5V904	GEIVIFNEAESFA <u>M</u> KKSTIIKWI <u>K</u> ANIL <u>V</u> IAFIIQEFQKTIVIF
UniRef90_W1RZU2 UniRef90_D0CSS4	GTILIPGYILIYSETILIO GSDILLIWNEQTILIN ALLEDO
UniRef90_Q133I0 UniRef90_V4NZ64	GEGRGFNFSAAM KAKGGEWTFEELDKFIASPKGYIP GTDPKFKYSPAMK KAPAWSEAQLDKFLASPDTTVP
UniRef90_L8WZU7 UniRef90_N0A2U3	KRMTII NAOTO EIVIRRETIVI <mark>H</mark> WDDKKII IDDYII IKN P K
UniRef90_A3SJR4 UniRef90_UPI0003333295	GTIVIPGYGYSP II I I I I I I I I I I I I I I I I I
UniRef90_Q4PJF4 UniRef90_T5KXG3	GTIDGYPYSKALI DSDLIWSFFTINR LESF
UniRef90_X0RSM6	ATTAGYDFSSVLTGLEGDWTLEALSGFLESPKGYAP
JniRef90_D5WNP2	GTAAGFRYSDAL KRSGLVFDERHLDEWLTNPAAVVP

				00			40		440
UniRef90_	_X6KVL4		G T	90 K M A	FAG	i L K (10 Q E E	L D A	110 . V <u> T</u> EY L KS I
UniRef90_ UniRef90_			G T	AMG	FSG	iLK E MK 4	APD	R V N	IVÎ AYLESL OLÎ AYL
UniRef90	F8J9K8		ĞĀ	KMF	FĤĽ	D A	ÀQD	RAD	V i Ê Y L K
UniRef90_ UniRef90	_UPI0003B6F892 _U4\/7K6	SI	K G T G T	KMN	YAG	i L IS M	(K D	RAN	I <u>L_I_</u> A_W <u>L_</u> R_T I
UniRef90_	F8J9K8 UPI0003B6F892 U4V7K6 B3TB31 W7DX39		ΚŤ	KML	F P G	ĪKK	KĖK	RKD	I I A Y L K S
UniRef90_	_W7DX39 _UPI00047C47D4		GS	KMI	YKG	SDE	SAE	RKN	III SYLRSL DLIAYIRTL
UniRef90	_UPI0002D91999		G T	NMV	Y P G	KDF	GA	RAA	II I A WLAT
UniRef90_ UniRef90	_Q0F0Y3 _W7GDU1		ART GT	KMP	A Q H N A F	PSA	3 Q D A F R	A Q D R A I	DIVAYLAS LK VIAYLQ
UniRef90	_A0A011PDB8	Т	Т	KTI	TGL	PNC	D Q D	RAK	VIAYLGTLK
UniRef90_ UniRef90_	_Q1GDI1 X7EIL8	VLGDPA	ARA	RMA	FRO	STC	Aρ	ΑГ	ILIAYLQT IWAYLDAL
UniRef90_	_UPI00040CA52A		GΑ	VMA	YRQ	AKF	ET	RAA	II AYLKGL
UniRef90_ UniRef90_		VA MAQK	ГРН	QIL A	FDG	ill E F	RD	RRD	LI AFLE LI TYLKTLR
UniRef90	_UPI000478ECF4	ALTLI	• G T	D MIL	F P G	i L D E	ΞKQ	RAD) L
UniRef90_	_UPI0003B56AE6 _A0A022GU09		G T	SMG	Y A G	KDE	D Q E	RAD	L V G Y L T S L K D L I A Y L K Q
UniRef90	D7DK45	C P P V V T I	GIV	'IK M A	FPG	III IK F	าดห	CAD	NV LIQ EILIS Q
UniRef90_	_V4Q3X3 _D0CRY2	FLNDDT	A R P	NMS	VK T	KEC	SHE	D	L VAYLK DI AAYLATF DI TAYLVSF DVLRYLGSL
UniRef90_	_U2Z605	ALDDPR	A R S	KMA	YKV	RDE	QT	AHD	
			ĞĖ	CLPP	FRG	L A F	ŖĔĎ	RQA	LIAYLRQ
UniRef90_ UniRef90	_UP100047A5890 Q2W7W2	RAN	GN	K M K I K M A	YDG	iL N E	ם E U אר C		L I A Y L R Q L I S Y L G T L V V A Y L K T L K
UniRef90	_USASIN2 _UP100047A5890 _Q2W7W2 _J2SQI5 _B0T1W7 _UP10002D5DA17 _E4XB08 F7XED8								
UniRef90	_DUTTVV/ _UPI0002D5DA17		G T	RMP	II IG M	1 A D <i>A</i>	A A K	RAC	V T A Y L G S M K
UniRef90	_E4XB08		G T	KMV	F A G	ill IK k	AD	KAN	IIL I IA FILI
UniRef90	UPI0004136255		G T	RMT	QRY	_N N \) E E	RRP	II AFLR II EFLGT
UniRef90_	_S9QU69 _A4GIG4	GPDVVT	G T	AMN	F GIV	IP NIL	_ IQ D	RAN	ILIAYLA DL <u>I</u> AFLKQ
I IniPaf00	OESDS2	AKILIAGA	A A S	KMS	F KIV	'IK D A	AAS	AAD	NVIY A YILIS Q F
UniRef90_	_Q301 32 _X7FDZ9 _UPI000367B141	G P D H V T I	G S	KMP	M Q Q	I R F	ED	RAD	D L T D Y L R Q D L I A Y L A T L R
UniRef90_	_F7VBX7		GI	RMS	V Ğ L	SSF	ĒQ	RAD	I I A Y L H R L V I A Y L Q T V R
	_UPI0003760496 _W4YJY5	<u> </u> ESTF	7 G T	' K MI\/	IF A G	ilik k	A A D	VA D	OVIAYLQTVR
UniRef90	_W5BX87	FFFFFF	= F F	II ID H	FSQ) L		·	
	_B4WDY2 _UPI00037E9FCE		GT	KMP	EQV	TSE	EAD	RQA	ILIAWLR LVEFLR
LIN:DafOO	A E 17 A O	NIG		N / N I	$r \sim c$	1 0 1	-		OL I A Y L K T L
UniRef90_	_D0J4W0 _C8S0F4	ATNDPK	4 K <u>A</u>	KMA	FKL	SEC	GGD	_ D	VAAFVAS
UniRef90_	_A3JZA6 _D0J4W0 _C8S0F4 _N6V4C1 _F5SP36 _W0MSX2 _H0HRV8		GL	RMA	F P G	L K E) K D		DLTAYLR DIJAYLSTL
UniRef90		SDVV	G T	RMK	WWM	GS E	DR	MDD	
UniRef90_ UniRef90		GPNAYT	G F	KMP	E Q I	S N A	A E D A O F	RAA	ILIRFLQ VVAYLATLR
Unikei90_	_AUAU31JINU9		ĞT	K IVI V	LIPIV	A D F	1 Q K	KKA	
UniRef90_ UniRef90_		N D	Т	KML	FTG	A DE	: G E (K	RQA	LIEYLRQL
UniRef90	_A0A059DLP1 UPI00036DDEDA	l l	┨G T	NMA	YPG	RKF	ER	RAA	II DYLSTLK II VAYLATL
UniRef90	Q5NZC9			TMG	YAG	I D F	AE	RAA	LIEWLR
UniRef90_ UniRef90_		NL	G N	M P	FEG	P D F	A G	RAD	
UniRef90	_W6IAK0		G A	A M P	MSI	DNF	VA	RRD	I I A Y L K Q V
UniRef90_ UniRef90			G T	KMA	F K G Q K II	A N F	K T Q E	K A A	LVDYLR DILQFLKSL
UniRef90	D5RQT7	G S		MS	YVG	MKE	D E A	RDA	ILIMAYILIK
UniRef90_ UniRef90_	_A4YLZ0		G T	A M G	F A G	Π̈́Κ [) S <u>E</u>	RAD	O I V A F L A Q O V L A Y L N S L
UniRef90 UniRef90			G A	VMA	YRQ	<u> </u>	• E <u>L</u>	RAA	I LTYLK I A DYLQT
UniRef90	_A0A017HAV4	ALDDPR	ARS	KMA	Y K V	RDA	A Q A	AVD	I QAYLATF
UniRef90 UniRef90			G T	Y M T A M <u>G</u>	F P G	KSE	D Q D	RQG	SIV I IA YILIE SILIK
UniRef90	_G6EB33		G T	KMV	I IS Q	P N P	A A K	RKE	II I DYLETLK
UniRef90_ UniRef90_			G T G T	K M K A M G	Y G M	1 R K I	E D	RAD	L L E Y L E A N K
UniRef90	_G0QJP0	CKCELKI	٧G		GII	Q S E	E E E	RSD	IL VIA FILIK
UniRef90_ UniRef90_	_b12FG4 _W4LUN6	GPARYT	OGT	NMP	FSG	il IS E	OGQ	L D D) L
UniRef90_	_A5V904		GΝ	I R M P	FGG	6 L K	NPD	SAA	QIVIA YII LISILIK
UniRef90_		GPDHY[GS	KMP	MQI	AQA	QD	RTD) L
UniRef90 UniRef90			G T	AMG	FAG	i LLIN E	ERE	RAD	DLISYL DIIAYLK
UniRef90	L8WZU7								LIAYLKSVK
UniRef90_ UniRef90_		TKM GPDHYI	5 G S	KMP	мо⊠	I N F	FD	RAD	LIAFLKQ
UniRef90	_UPI0003333295		GR	N M	ΕŢĞ	NKE	ĔĶĔ	KAG	GLVDYFK DL <u>VT</u> FLK
UniRef90_ UniRef90_		G P D I V T I	G T G T	KMP	∐QM FGG	IKN A	A Q D A E F	R∐D ROS	OLVT FLK SLT <mark>C</mark> YLRO
UniRef90	_X0RSM6		Ğİ	KMG	FĞĞ	ĮĘ K K	ζĢĎ	Ľ ĎÑ	LTCYLRQ ILIVYLNQ
UniRef90_	_D5WNP2		G N	IAMD	r P G	i I D <i>F</i>	A R T	K A D	LLAYLK

```
UniRef90_A0NY63
UniRef90_Q47YK6
UniRef90_UPI00037F32BE
UniRef90_UPI0003/F32BE
UniRef90_B8GVJ9
UniRef90_D3P4K4
UniRef90_Q0FS91
UniRef90_V2GY40
UniRef90_UPI00041276BC
UniRef90_UPI00041276BC
UniRef90_Q13IC5
UniRef90_U1IBE5
UniRef90_UPI0003712570
UniRef90_UPI000372849B
UniRef90_R1BQ87
UniRef90_J1Q178
UniRef90_UPl00037CCCB2
UniRef90_C9Y9G6
UniRef90_W2TKL3
UniRef90_A0A031JZA4
UniRef90_S6BHW8
UniRef90_W1JJ12
UniRef90_UPI00046EB147
UniRef90_UPI00036BD530
UniRef90_UP100036BD530
UniRef90_W4Y4L0
UniRef90_A0A059FEB3
UniRef90_V6F780
UniRef90_W2YE30
UniRef90_W2YE30
UniRef90_UP10004624435
UniRef90_UP10004624435
UniRef90_H2IKL1
UniRef90_UF100036F0C78
UniRef90_UP100036F0C78
UniRef90_H0PS53
UniRef90_B6AQL8
UniRef90_B64P7
UniRef90_UP10004757281
UniRef90_UP10004757281
UniRef90_UP10004757281
 UniRef90_H0TVY3
UniRef90_H0TVY3
UniRef90_Q0G146
UniRef90_UPI00035FCEE6
UniRef90_J3A9M1
UniRef90_W0AE01
UniRef90_W6KPB2
UniRef90_W4IWE3
UniRef90_W6IH7
UniRef90_UPI00039FC390
UniRef90_UPI000371F559
UniRef90_UPI00046AD80D
UniRef90_J2UKC8
UniRef90_R0DPF5
UniRef90_R0DPF5
UniRef90_R1HC9
UniRef90_I3IHC9
UniRef90_D6VAS3
UniRef90_A0LDB7
UniRef90_A9B7B6
UniRef90_W4HGV8
UniRef90_B4DC91
UniRef90_B4DC91
UniRef90_F6IIA4
UniRef90_B8RTU6
UniRef90_B9EM99
UniRef90_UPI000374257B
UniRef90_L8MC06
UniRef90_A3VLZ3
UniRef90_S7VCF2
UniRef90_F5ANR4
UniRef90_UPI000255679A
UniRef90_UPI000255679A
UniRef90_G6YFB5
UniRef90_E7ACQ0
UniRef90_A0LCA9
UniRef90_UPI00036A8845
UniRef90_G0CAG1
UniRef90_V5UEI7
UniRef90_F0BII5
UniRef90_UPI000369960A
UniRef90_UPI00036DDB27
 UniRef90_M1ZBP2
UniRef90_H0F4P4
UniRef90_UPI000424CE8A
UniRef90_A0BU26
UniRef90_W9TUI1
UniRef90_D5ATW2
UniRef90_G2HZF4
 UniRef90_B9XJX1
 UniRef90_A7NME2
UniRef90_A7NME2
UniRef90_C1A5N6
UniRef90_UPI000462F83B
UniRef90_W4NNA5
UniRef90_Q12FL0
UniRef90_D5UZD5
UniRef90_D7BAM6
```

UniRef90_E4YFA6

	50 60 70 80
UniRef90_A0NY63 UniRef90_Q47YK6	GTVPDYPYSATL SGSDIVWSETTIDQFLDGPDHYLP ASLPRFAYSEALQ KSGLTWTEANLRRWMA
UniRef90_UPI00037F32BE UniRef90_B8GVJ9	A S L P R F A Y S E A L Q K S G L T W T E A N L R R W M A G S I K G Y D Y S R A L K R S Q V T W D A R S L D R W L T D P E Q F I P A S F P G Y T Y S A A L K G S G L T W T A D K L D A Y S K A P T K V V P
UniRef90_D3P4K4	GTAEGFDYSDALR GAGFTWDAGHLEHWLSNSNQFVP
UniRef90_Q0FS91 UniRef90_V2GY40	
UniRef90_J2XQC1 UniRef90_W4HMQ2	G S V P G F T Y T A G L T G A K S T W N V E Q L D Q F L T A P A K K F P E G A L A D Y P Y S D A L F F L
UniRef90_UPI00041276BC	GT AQGYSTYSKALRDSALVWDERSLNVFLKDPMKTVP
UniRef90_Q13IC5 UniRef90_U1IBE5	GSVAGYNYSPALKNSKI VWTAQSLELFLKDPQKAVP
UniRef90_UPI0003712570 UniRef90_S2ELL2	GSVPGFTYTAAGLTGAKS TWNVEQLDQFLTAPAKKFPE GALADYPYSDAL ADSDVTWTAETVS ALFEL GT AQGYSTYSKALRDSAIVWDERSLNVFLKDPMKTVP GSMEGFRYSSAMR SSGIVWTAQSLELFLKDPMKTVP GSVAGYNYSPALKNSKL VWTEANLDKWLTGPDAMVP GTAEGFRYSDAVR QSAVVWNEKSLDAWLRDPASFIP GSIPGFKYSKDL AGANSSWTVEQLDRWLTSPAQMFPD ASVPDFNYSDALRASKL VWTPDQLDAYLRAPKMLVP
UniRef90_UPI000372849B	
UniRef90_J1Q178	A GLDDYLYTEAVKQI DLVWTEEVLDAWLAKPQQLVPE A SVPTYSYSPALKKL GGAWTPARLDQWLSGTQKMAP
UniRef90_C9Y9G6	GKAFGYFFSFAM AAATHTWTIVIAGII IKAWII ITN PFKIV VIP
UniRef90_W2TKL3 UniRef90_A0A031JZA4	GTAPGYVYSQGN KHKSVVWTRETLYDYLADPRKYIPGQG KFAFSDA VKKSGLTLDDATLDKWLENPRALVPGAVKGFTYSPALAAAKD NWTPELLDAWLTSPARMFPD
UniRef90_S6BHW8 UniRef90_W1JJ12	GAIVIK G F T Y S P A IL IA A A K D N W T P E IL L ID A WIL IT S P A R M F P D
UniRef90_UPI00046EB147 UniRef90_UPI00036BD530	GSLPNYNYSSSM KEAGFNWDQDKLTRFMVKPDEVVS ASLPGYAYSAALRQH GAQVWDDQRLSDWLTSPARYAA ATADGYNFSQALKNL DIVWDARTIS KLFE
UniRef90_W4Y4L0	GT P G Y K F A K S D E K K G I L W D Y F E
UniRef90_A0A059FEB3 UniRef90_V6F780	GT L P G Y K F A K S D E K K G I I W N D R R L W D Y F E G R Q A N F S Y S A N M A G S P L S W D A T N L N K F I A N P S T F I S G N Y P E F K Y S D A H K A S G L T W D E A N L S K Y L A D P K G T I P
UniRef90_V9WF17 UniRef90_M2YE30	GTAAGFKYSPTILVIAW GKSWDDANLIAAYLIANPKETIIP
UniRef90_UPI0004624435 UniRef90_Q588Z0	A SIVIP R F A Y S Q A M Q A S GILIT W D F D NILIR K WILIT D N F A IL VIP
UniRef90_H2IKL1	A S F A G F N Y S E G I I K Q H Q G K W D A E K I L I D A F I L I A S P T E F A P
UniRef90_UPI00036F0C78	GSGPRTSLMDSSQAIKDSGIVWTDITLMRYLKNPRQFTQHGTVADFNYSDAMRQSKLS WAPDQLSAFLKAPKQKVPGSAAGYDYSDA VKKSDLVWTPEAIDRYLTKPAKFSPS
UniRef90_H0PS53 UniRef90_S6AQL8	G T A Q G F G Y T P T IL IE Q A G F A W N A E K IL ID A F IL IS G P M N F IL IP
UniRef90_B8G4P7 UniRef90_UPI0004757281	A S G P V L P K G V D Y N G M L P N G K E R S E A N I A E W I R G S I E G A R Y S G P M R A S G I I W D K A T L N T F L A A P R R L I P A
UniRef90_H0TVY3	A SILIP G Y R F S D AIL IK R M DIL V IW I P E I IV IS KILIF EIL I
UniRef90_Q0G146 UniRef90_UPI00035FCEE6	GTVDGYAYSEAL KNSDIIWTAETVGR LFDDATVPDYPFSEALRGM DLVWTRETVA KLFTL
UniRef90_J3A9M1 UniRef90_W0AE01	A A G Y P Y S P A L K K S K I R W D A R S L D T W L A G P S K M V P A S T E F L Y S P A L K G S A L K W D K P T L D K F L A G P T R M V P A T V E K F K Y S D A M K A A G L T W D K E T I T S Y L K D P K G F V P
UniRef90_W6KPB2 UniRef90_W4IWE3	GDSD FPYSDAN KNSGII I WSDKHILIFEYIL LINPKILIYII IP
UniRef90_S6BIH7 UniRef90_UPI00039FC390	GSLAGFSYSQAM KTKGVEWQLDSLEQFLTQPQSFVAASVPDYTYSDAL KGSHWTWTPAQL KLYLSQGKLPGFGYSQAL AASTGSLTEQELDLFLKAP
UniRef90_UPI000371F559	GKLPGFGYSQAL AASTGSÜTEQELDLFLKAP
UniRef90_UPI00046AD80D UniRef90_J2UKC8	A S L P G Y R F S D A L K A M D I V W T P E T V A R L F E G P N A Y A S T R D Y R Y S P A M Q N S R I V W T E D K L R A F M K S P
UniRef90_R0DPF5 UniRef90_I3IHC9	GSLPGYRYSRTLL QSDLIWTDETID ALFDQ SRAEERAKELGMASGLDYLIESIVDPEKYIVK
UniRef90_D6VAS3 UniRef90_A0LDB7	A S L P G Y N F S E A L K K M N I V W S P E T V A K L F E V G S S K G F C Y S P G F R R W K E N P K V W D E V S L Y R F L Y A P Q S H I P H
UniRef90_A9B7B6 UniRef90_W4HGV8	TRVAGQDAS QYLHSSIVDPNGFVVD GVQEGYQYSSALE SADHTWDEDMLDQWIENPDQVVS
UniRef90_B4DC91	Y G K TIVIQII IS K G P DIV VIA D D A YII IR E SII L VIP S A KII VIK
UniRef90_F6IIA4 UniRef90_E8RTU6	GNDPKFSYSAAMK KGP V WSEAQ L DRF L ADPKGT L PG
UniRef90_B9EM99 UniRef90_UPI000374257B	G Q A D V L G E P Q E I H S W N K D D I O WH Q E G S L E G Y G Y S Q A M R D A N L V W S R R T L D R F L A G P L E M I P
UniRef90_L8MC06 UniRef90_A3VLZ3	GSLEGYGYSQAMR DANIVWSRRTLDRFLAGPLEMIP GSLAGFSYSQAMKTRAV EWQMDSLQQFLAQPQAFVP GTFADYPYSDALR GAGFVWTSGALKAWMEDNDGFLP
UniRef90_S7VCF2 UniRef90_F5ANR4	EFKDGIIAIA DDAYIKESIVDPGAKIVVK
UniRef90_UPI000255679A UniRef90_G6YFB5	GT QGF S Y S K A M K D R A R PWN N D S I QA F I A Q P QA D V P G T A P G Y V Y S S A M K G A G A A G L V W V E T N L A E Y L K N P K K K V P A G V V P P D L S H V G S V L N P Q F L A H F I K D P T A K L S H G T H P R Y D Y S P A F L E H R H H P F E W N R E V L E E F L Q Y P E K V I P G T H P R Y D Y S P A F L E H R H H P F E W N R E V L E E F L Q Y P E K V I P G T H P R Y D Y S P A F L E H R H H P F E W N R E V L E E F L Q Y P E K V I P G T H P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P G T H P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P G T H P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P G T H P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P G T H P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P G T H P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P G T R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P G T R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P G T R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P R Y D Y S P A F L E H R H P F E W N R E V L E E F L Q Y P E K V I P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H R H P R Y D Y S P A F L E H
UniRef90_E7ACQ0	GVVP PDLSHVGSVLNPQFLAHFIKOPTAKLSH
UniRef90_A0LCA9 UniRef90_UPI00036A8845	GKSGFKKHKPAILI AKGGWIVIWIEANILIKKWII <mark>C</mark> NSKDAII KE
UniRef90_G0CAG1 UniRef90_V5UEI7	Y G K T E T F Q D G T S A HIVID D A FILIA T FII IR N P T A RIVIP K
UniRef90_F0BII5 UniRef90_UPI000369960A	GTVADF SGYSADLKPGKGTWSTASL KDFLKK SYFGNRTTVGSGIWANTDAYI IPWIIKN
UniRef90_UPI00036DDB27 UniRef90_M1ZBP2	GOIVI <mark>H</mark> GENYSGSII
UniRef90_H0F4P4	TAGILPNGSPEEFK QSLKKWIEDPSKVKPQ YIAGVLNNTPENIVRWLRSP GEKYDRDWLYKWIRNSSALIKA
UniRef90_UPI000424CE8A UniRef90_A0BU26	G S K K F S N Y G K D L T A Y K F Y W T R K K L W E F L E N P E K M F P D
UniRef90_W9TUI1 UniRef90_D5ATW2	G S F P G Y P Y S K A IL I A A S G F IV IW T K G A II IR A WII IE A N D Q IL V IP
UniRef90_G2HZF4 UniRef90_B9XJX1	Y GVT P P D L G S A G K L Y N A D Y L A A F I K D P A K K T A H Q T L G A G V V E N T P E H L A Q W L K N P Q K L P V Y P E G V N Y R G N L P N G Q P R T E E N I A A W I R S
UniRef90_A7NME2 UniRef90_C1A5N6	PVYPEGVNYRGNLPNGQPRTEENIAAWIRS
UniRef90_UPI000462F83B	GTRYTI AA GLYPNDAKHLAYWI KSAPH MVGK TI AA GVFETTRGSLAAWI ADPQ
UniRef90_W4NNA5 UniRef90_Q12FL0	S R Q T I A A G A L A N T P A D L L Q WI R D P Q A V Y G A T R P L A D G S T V L A D E G Y L R R S I L E P Q A Q V V Q A S A A A A Y G V V P P D L G T A G K L Y T K D Y L V G F I M N P A R K V T H
UniRef90_D5UZD5 UniRef90_D7BAM6	
UniRef90_E4YFA6	GTVPAFNYSDANKGAKV TWTEATFDEYITDPKKY[[P

UPINERBO ANNYS URINRESO UPINO037746 URINRESO UPINO037746 URINRESO UPINO037746 URINRESO UPINO037840 URINRESO UPINO037850 URINRESO UPINO038650 URINRESO UPINO038660 URINRE		
URINGESO UP100037F32BE URINGESO UP20037F32BE URINGESO UP30037F32BE URINGESO UP30037F32BE URINGESO UP30037BE URINGESO UP300037BE URINGESO UP30037BE	UniRef90_A0NY63	G S K M P M Q I V E Q Q D R D D L I D Y L K S
UNIRESPO. D93-94K4 UNIRESPO. D97-SPO UNIRESPO UNIRESPO. D97-SPO UNIRESPO UNIRESPO UNIRESPO. D97-SPO UNIRESPO UN		G N D L V P G T R M R H V Q L T D A E Q N Y L L A Y L K S L G O N M D F K V S N A A F R A A L L A Y L O S L
Unixer90 (207591) Unixer90 (207202) Unixer90 (20	UniRef90_B8GVJ9	GTKMLLGAPNDAERAAVIAYLASVK
URIREF00 UP1000312570 URIREF00 UP1000312570 URIREF00 UP1000312570 URIREF00 UP10003712570 URIREF00 UP1003701270 URIREF00 UP1003701270 URIREF00 UP1003701270 URIREF00 UP1003701270 URIREF00 UP1003701270 URIREF00 UP1003600130 URIRE	UniRef90_Q0FS91	G P D H Y P G S K M P M Q V A G G D R A D L D Y L K
UniRef90 UP10003712570 UniRef90 UP10003722498 UniRef90 UP10003722498 UniRef90 UP10003722498 UniRef90 UP10003722498 UniRef90 UP1000372449 UniRef90 UP1000372449 UniRef90 UP100037244 UniRef90 UP100037244 UniRef90 UP100037244 UniRef90 UP100037244 UniRef90 UP1000369030 UniRef90 UP100369030 UniRef90 UP100369030 UniRef90 UP1003		G N K M R F W G T A M A F G G L K A E E R Q A V L <mark>C</mark> F L Q T
URIRGE90. UPI0003712570 URIRGE90. UPI0003712570 URIRGE90. UPI0003712570 URIRGE90. UPI0003712580 URIRGE90. UPI0003726498 URIRGE90. UPI0003726498 URIRGE90. UPI0003726CB2 URIRGE90. UPI000372CCB2 URIRGE90. UPI000372CCB2 URIRGE90. WORNES URIRGE90.	UniRef90_W4HMQ2	G P A H Y V P G T K M P M Q I A G A E D R A D L I D Y L R
UNIRREPS0_VP100037283PB UNIRREPS0_VP100037283PB UNIRREPS0_VP1000372CCB2 UNIRREPS0_VP10037CCB2 UNIRREPS0_VP10037CB2 UNIRREPS0_VP10037CB2 UNIRREPS0_VP10037CB2 UNIRREPS0_VP10037CB2 UNIRREPS0_VP10037CB2 UNIRREPS0_VP10037CB2 UNIRREPS0_VP10037CB2 UNIRREPS0_VP10037CB2 UNIRREPS0_UP10037CB2 UN	UniRef90_Q13IC5	G N R M A F S <u>G V </u> D D A T R D A I V D Y L R
UniRef90 UP1000376CB2 UniRef90 UP1000376CB2 UniRef90 UP1000376CB3 UniRef90 UP1000376CB3 UniRef90 UP10036CB3147 UniRef90 UP10036B3D30 UniRef90 UP1003745B3 UniRef90	UniRef90_UPI0003712570	G N A M A Y Q GIL IP D A R R G DIL I IA YIL IR
UniRef90 UP1000376CB2 UniRef90 UP1000376CB2 UniRef90 UP1000376CB3 UniRef90 UP1000376CB3 UniRef90 UP10036CB3147 UniRef90 UP10036B3D30 UniRef90 UP1003745B3 UniRef90		T A M A F G G L N A S E R Q A V L <mark>C</mark> F L Q T G G K M K F D G M K A D F R R D L L F F L G T O R
UniRef90 _ VP10003FCCE2 UniRef90 _ VP27WG6 UniRef90 _ VP2TKL3 UniRef90 _ VP100046BD530 UniRef90 _ VP100046BD5300 UniRef90 _ VP100046BD53000 UniRef90 _ VP100046BD53000 UniR	UniRef90_R1BQ87	G T N M A F P G K K E K D R A D C V A Y L I
UniRef90 .0A0A031JZA4 UniRef90 .0A0A0031JZA4 UniRef90 .0A0A031JZA4 UniRef90 .0A0A0031JZA4	UniRef90_UPI00037CCCB2	GSKMYLQVDDPAQRRLIIAYLK GSKMYLQVDDPAQRRLIIAYLQSV
UNIREPS0_UPI00036BD53 UPI00036BD53 G P S R Y T P G T K M P E Q L N N A D D R E A L V R Y L H T L UNIREPS0_UPI00036BD53 UNIREPS0_WY4L0 UNIREPS0_WY4L0 UNIREPS0_WY4L0 UNIREPS0_WY4L0 UNIREPS0_UPI0036BD53 G P S R Y T P G T K M P E Q L N N A D D R E A L V R Y L K T L K G T M F R R A L K K D Q R A D L L A Y L K S L K T L M Y L M Y L K T L K G T M M Y F A G M M Y F A G M A D L L A Y L K S L K T L M Y L M		G Q E M N Y Y L T E A Q D R E D V V A Y L A S V G T K M F F V G L K N S E R A D L L K Y
UNIREPS0_UPI00036BD53 UPI00036BD53 G P S R Y T P G T K M P E Q L N N A D D R E A L V R Y L H T L UNIREPS0_UPI00036BD53 UNIREPS0_WY4L0 UNIREPS0_WY4L0 UNIREPS0_WY4L0 UNIREPS0_WY4L0 UNIREPS0_UPI0036BD53 G P S R Y T P G T K M P E Q L N N A D D R E A L V R Y L K T L K G T M F R R A L K K D Q R A D L L A Y L K S L K T L M Y L M Y L K T L K G T M M Y F A G M M Y F A G M A D L L A Y L K S L K T L M Y L M	UniRef90_A0A031JZA4	GNRMSFPGLKDAKRKEIIDYLK TAMAFGGUKAFFRKAVIOS
UniRei90_W4Y4L0 UniRei90_V6F780 UniRei90_W9WF17 UniRei90_W9WF17 UniRei90_W9WF17 UniRei90_W9WF17 UniRei90_W9WF17 UniRei90_W9WF13 UniRei90_UP1000462435 UniRei90_UR1Z UNIREI	UniRef90_W1JJ12	GHKMPYGGIVISAFFAAKIVVIAYII IQ I
UniRei90_W4Y4L0 UniRei90_V6F780 UniRei90_W9WF17 UniRei90_W9WF17 UniRei90_W9WF17 UniRei90_W9WF17 UniRei90_W9WF17 UniRei90_W9WF13 UniRei90_UP1000462435 UniRei90_UR1Z UNIREI		GPSRYTPGTKMPEQINNADDREALVRFLE
UniRef90 WYP17 UniRef90 WYP30 UniRef90 UP10004624435 UniRef90 UP10004624435 UniRef90 UP10004624435 UniRef90 UP100036F0C78 UniRef90 UP100036F0C78 UniRef90 UP100036F0C78 UniRef90 UP100036F0C78 UniRef90 UP10003757281 UniRef90 S6AQL3 UniRef90 S6AQL3 UniRef90 S6AQL3 UniRef90 S6AQL3 UniRef90 UP10003757281 UniRef90 UP10004757281 UniRef90 UP1000375F0E66 UniRef90 UP100035F0CE66 UniRef90 UP100035F0CE66 UniRef90 UP100035F0CE66 UniRef90 UP100035F0CE66 UniRef90 UP100035F0CE66 UniRef90 UP100039F0C390 UniRef90 UP100039		H G HII IP G T R M F F R A IL IK K D Q R A D IL L IA Y IL IK
UniRef90_M2YE30 UniRef90_G58820 UniRef90_G58820 UniRef90_UD100036F0C78 UniRef90_UD100036F0C78 UniRef90_UD100036F0C78 UniRef90_UD100036F0C78 UniRef90_UD100036F0C78 UniRef90_UD100036F0C78 UniRef90_UD10003757281 UniRef90_UD10003757281 UniRef90_UD10003757281 UniRef90_UD100035F0CE66 UniRef90_UD100035F0CE66 UniRef90_UD100035F0CE66 UniRef90_UD10003757281 UniRef90_UD10003717559 UniRef90_UD10003712578 UniRef90_UD10003608845 UniRef90_UD10003608845 UniRef90_UD10003608845 UniRef90_UD10003608845 UniRef90_UD10003608845 UniRef90_UD100036088845 UNIREf90_UD1000360	UniRef90_V6F780	GNKMVFAGIKPDDLKAVVAYVKGLK
UniRef90	UniRef90_M2YE30	GNKMVFAGKNPDDVAALIAYMKTLK
UniRef90 L9IXL1 UniRef90 UP100036F0C78 UniRef90 UP100037F0C78 UniRef90 UP10004757281 UniRef90 UP10004757281 UniRef90 UP100037F0CE6 UniRef90 UP100037F0CE6 UniRef90 UP10003F0CE66 UniRef90 UP10003F0CE76 UniRef90 UP10005F0CE76 UniRef90 UP10005F0CE76 UniRef90 UP10005F0CE76 UniRef90 UP10005F0CE76 UniRef90 UP10005F0CE76 UniRe		G T T M
Unire(90 UP)00036F0C78	UniRef90_H2IKL1	G T N M V F P G K D P G A R A A I I A W L A T
UniRef90_UPI0004757281 UniRef90_UPI0004757281 UniRef90_UPI0004757281 UniRef90_UPI00035FCE66 UniRef90_UPI00035FCE66 UniRef90_WOAE01 UniRef90_WOAE01 UniRef90_WOAE01 UniRef90_WOAE01 UniRef90_WOAE01 UniRef90_WOAE01 UniRef90_UPI00037FC290 UniRef90_UPI00037FC559 UniRef90_UPI00037FC590 UniRef90_DEVAS3	UniRef90_UPI00036F0C78	G T K M K D D G I N D A F D A D I I A Y I S S D
UniRef90_Q0G146 UniRef90_Q0G146 UniRef90_UPI00035FCEE6 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_UPI0003FC290 UniRef90_UPI0003FC290 UniRef90_UPI00003FC390 UniRef90_UPI0003FC390 UniRef90_UPI0003FC390 UniRef90_UPI0003FC390 UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID0003FC390 UniRef90_DVID0003FC390 UniRef90_DVID0003FC390 UniRef90_BDC91 UniRef90_A9B7B6 GPDHYIIPGSKMPEQID00BKRAALITDFLA UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_DVID000374257B UniRef90_BBC90 UniRef90_UPI000374257B UniRef90_DVID000374257B UniRef90_DVID000356679A UniRef90_DVID000356679A UniRef90_DVID000356679A UniRef90_DVID000356679A UniRef90_DVID000356679A UniRef90_DVID000368960A UniRef90_UPI00036960A UniRef90_UPI0003696	UniRef90_S6AQL8	GTAMAFGGLKQDDRQKI I CFLEQQQ
UniRef90_Q0G146 UniRef90_Q0G146 UniRef90_UPI00035FCEE6 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_W0AE01 UniRef90_UPI0003FC290 UniRef90_UPI0003FC290 UniRef90_UPI00003FC390 UniRef90_UPI0003FC390 UniRef90_UPI0003FC390 UniRef90_UPI0003FC390 UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID00046AD80D UniRef90_DVID0003FC390 UniRef90_DVID0003FC390 UniRef90_DVID0003FC390 UniRef90_BDC91 UniRef90_A9B7B6 GPDHYIIPGSKMPEQID00BKRAALITDFLA UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_BDC91 UniRef90_DVID000374257B UniRef90_BBC90 UniRef90_UPI000374257B UniRef90_DVID000374257B UniRef90_DVID000356679A UniRef90_DVID000356679A UniRef90_DVID000356679A UniRef90_DVID000356679A UniRef90_DVID000356679A UniRef90_DVID000368960A UniRef90_UPI00036960A UniRef90_UPI0003696		T G G T G R L G Y M P S H N L T D Q E M A D L L A Y L R T L K T T M T V A V P D A T Q R A A I I T Y L E
UniRef90	UniRef90_H0TVY3	GPNIYIPGIKMPEDHGSAEDRKAHILDEHA
UniRef90	UniRef90_UPI00035FCEE6	GPATYTPGTKMPEQVVNADDLEALLDFLE
UniRef90_UP100039FC390		G I R M MII IAIVIG N P A D R A AIL VID YILIA I ILIK
UniRef90_UP100039FC390		K N K M A F A G L K K Q D L D N V I A Y I E G T K M I F A G K K F K F R A D I I F Y I K
UniRef90	UniRef90_S6BIH7	GTYMPYVGMADADRRAVGCFLSAQK
UniRef90_ 13IHC9	UniRef90_UPI000371F559	AVAKPGNAMPFGIRNDAERAAAI <mark>C</mark> YLKQQR
UniRef90_ 13IHC9		G D V V P G T K M P E Q I G S A E D R R A L I E F L G D V V P G T K M R F W G I N E K D L D N L L A Y M K T F
UniRef90_AOLDB7 UniRef90_AOBB7B6 UniRef90_BABC91 UniRef90_BABC91 UniRef90_BBEM99 UniRef90_UP1000374257B UniRef90_LBMC06 UniRef90_LBMC06 UniRef90_F5ANR4 UniRef90_F5ANR4 UniRef90_G6YFB5 UniRef90_UP100036A8845 UniRef90_UP100036A8845 UniRef90_UP100036A8845 UniRef90_UP100036A8845 UniRef90_UP100036BBEA99 UniRef90_UP100036A8845 UniRef90_UP100036BBA94 UniRef90_UP100036BBA9		GPDHYIPGSKMPMQRITPTDRQDLIDYLKT GYDKIMPKVEDPPIMISREKIIAVIAYIQTI
UniRef90_ A9B7B6	UniRef90 D6VAS3	G P A A Y T P G T K M <u>P</u> E Q R N S E D R K A L <u> T</u> D F L A
UniRef90_B4DC91 UniRef90_F6IIA4 UniRef90_E8RTU6 UniRef90_UP1000374257B UniRef90_L8MC06 UniRef90_A3VLZ3 UniRef90_S7VCF2 UniRef90_UP1000255679A UniRef90_UP1000255679A UniRef90_UP100036A8845 UniRef90_UP10003AABAI UNIREFPAMU UN	UniRef90_A9B7B6	G F A Q G L M F A G Y G D A L T P Q Q V D D V V A Y L L S L K
UniRef90_E8RTU6		G Y E K V E A G M P V Y Q G V L S E S Q I Q S I I L Y I K T L K
UniRef90_B9EM99 UniRef90_UPI000374257B UniRef90_LBMC06 UniRef90_LBMC06 UniRef90_A3VLZ3 UniRef90_S7VCF2 UniRef90_F5ANR4 UniRef90_F5ANR4 UniRef90_UPI000255679A UniRef90_UPI000255679A UniRef90_UPI000255679A UniRef90_UPI00036A8845 UN		G N R M S F P G L K D G K R Q T I D Y L K Q Q R
UniRef90_L8MC06 UniRef90_A3VLZ3 UniRef90_S7VCF2 UniRef90_UP1000255679A UniRef90_UP1000255679A UniRef90_UP1000255679A UniRef90_UP100036A8845 UniRef90_UP10003AABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	UniRef90_B9EM99	
UniRef90_S7VCF2 G R E G E M P S F G L L S D Q D L E S V I L Y F K T L K UniRef90_F5ANR4 T K UniRef90_UP1000255679A G T Y M P Y M G M D S A E R A A V A C Y L S L Q UniRef90_E7ACQ0 N K M G F P G L K P D D I K N V I A Y L K S V UniRef90_A0LCA9 K Y K D D N P Y P M P A F A Q F S D Q D L S D I V A Y L T S I UniRef90_UP100036A8845 G N V M S R T K M G H P N F Y Q D F R K D L V A Y I T Q L K UniRef90_VSUE17 G F A P I UniRef90_VSUE17 G F A P I UniRef90_UP1000369960A D S K A T F P N T K M K Y E G L D E K E L D A L I A Y L N T L R UniRef90_UP100036DDB27 D S K A T F P N T K M K Y E G L D E K E L D A L I A Y L N T L R UniRef90_H0F4P4 N E G P K T I K M P A F G G K I K D Q D L N N L I E Y L S G L UniRef90 UP1000424CE8A UniRef90_UP1000424CE8A G D P D Y N Q A M M T P F P M I S D F D I D N L I A Y	UniRef90_L8MC06	GTYMPYVGLSADDRHAVACFL
UniRef90_F5ANR4 UniRef90_UP1000255679A UniRef90_G6YFB5 UniRef90_E7ACQ0 UniRef90_A0LCA9 UniRef90_UP100036A8845 UniRef90_UP100036A8845 UniRef90_UP100036A8845 UniRef90_UP100036A8845 UniRef90_UP100036A8845 UniRef90_UP100036AB845 UniRef90_UP100036AB845 UniRef90_UP100036AB845 UniRef90_UP100036AB845 UniRef90_UP100036AB845 UniRef90_UP100036AB845 UniRef90_UP100036AB845 UniRef90_UP100036AB845 UniRef90_UP100036AB845 UniRef90_UP10003ABB845 UNI		G REGEMPSFGLLSDQDIESVILYFKTLK
UniRef90_G6YFB5 N K M G F P G L K P D D I K N V I A Y L K S V UniRef90_E7ACQ0 UniRef90_E7ACQ0 K Y K D D N P Y P M P A F A Q F S D Q D L S D I V A Y L T S I UniRef90_UP100036A8845 UniRef90_UP100036A8845 L S G D D H A R T K M G H P N F Y Q D F R K D L V A Y I I Q L K UniRef90_G0CAG1 S S S K A L P G T K M K Y E G L D D K E L D A L I VY L N S L K UniRef90_F0BII5 M P K I D L T D D E L K A L V A Y I R T L UniRef90_UP1000369960A D S K A T F P N T K M K Y E G L D E K E L D A L I A Y L N T L R UniRef90_UP100036DDB27 S P G V K P G S K M P F P Q L S D A D A R A I A A Y L K S L R UniRef90_H0F4P4 N E G P K T I K M P A F G G K I K D Q D L N N L I E Y L S G L D T L Q UniRef90_UP1000424CE8A G P D Y N Q A M M T P F P M I S D F D I D N I L A Y	UniRef90_F5ANR4	T K
UniRef90_UP100036A8845 LISGDDHARTKMPPQKMCGAKADPIIAFLKTI UniRef90_GOCAG1 SSSKALPGTKMKYEGLDDKELDALIVYLNSLK UniRef90_V5UE17 GFAPI UniRef90_F0BII5 MPKIDLTDDELKALVAYIRTL UniRef90_UP1000369960A DSKATFPNTKMKYEGLDEKELDALIAYINTLR UniRef90_UP100036DDB27 SPGVKPGSKMPFPQLSDADARAIAAYIKSLR UniRef90_UP100036DDB27 TTMKPFAG UniRef90_H0F4P4 NEGPKTIKMPAFGGKIKDQVSEQDARDILAFLSGL UniRef90_UP1000424CE8A GDPDYNGAMMTPEPMISDEDIDNILIAY	UniRef90_G6YFB5	N K M G F P GIL IK P D DII IK NIV I IA Y IL IK S IV I
UniRef90_UP100036A8845 LISGDDHARTKMPPQKMCGAKADPIIAFLKTI UniRef90_GOCAG1 SSSKALPGTKMKYEGLDDKELDALIVYLNSLK UniRef90_V5UE17 GFAPI UniRef90_F0BII5 MPKIDLTDDELKALVAYIRTL UniRef90_UP1000369960A DSKATFPNTKMKYEGLDEKELDALIAYINTLR UniRef90_UP100036DDB27 SPGVKPGSKMPFPQLSDAAAIAAYIKSLR UniRef90_UP100036DDB27 TTMKPFAG UniRef90_H0F4P4 NEGPKTIKMPAFGGKIKDQVSEQDARDILAFLSGL UniRef90_UP1000424CE8A GDPDYNGAMMTPPPMISDEDIDNILIAY	UniRef90_A0LCA9	GNVMSRTKMGHPNFYQDFRKDLVAYL IIQLK
UniRef90_UP1000369960A		LISGDDHARTKMPPQKMCGAKADPII I AFIL KTII SSSKALPGTKMKYEGLDDKELDALI VIYL INSL K
UniRef90_UP1000369960A	UniRef90_V5UEI7	GFAPI MPKIDLTDDELKALVAYIRTL
UniRef90_M1ZBP2 NEGPKIILKMPAFGGKIKDQDLNNLIEYLSGLUniRef90_H0F4P4 STLKPGTAMPDLGVSEQDARDIAAFLDTLQ	UniRef90_UPI000369960A	SPGVKPGSKMPFPQLSDADARALAAYIKSLR
UniRef90_H0F4P4 STLIKPGTAMPDLLGVSEQDARDILAAFLDTLQ	UniRef90_M1ZBP2	NEGPKIII IKMPAFGGKII IKDQDILINNILI IEYILIS GILI
UniRef90_A0BU26 T N M Q LD GVK D P F MLAS V I D Y L Q Y L R	UniRef90_H0F4P4	STIKPGTAMPDLLGVSEQDARDIAAFLDTLQGDPDYNGAMMTPFPMISDFDIDNIIAY
	UniRef90_A0BU26	T N M Q LD GVK D P F M LAS VI D Y L Q Y L R G E M Y S A G G T S M P N Q S L S D E Q L D Q L V A Y L A T F K
UNIRET9U_D5ATW2 GIKMKH V G I IDPI V QD IV EY L AS L Q		G I K M K H V G I I D P I V Q D I V E Y L A S L Q
UniRef90_G2HZF4		K F V D G K V H P M P Q F N W M Q P Q E I A D M V A Y L Q S I K P G N L M P N M L L T D A Q V Q D M V S Y F O T L K
UniRef90_A7NME2G G Q G Q TG V M S P H E M S D E D M A N T L A Y T H T L K	UniRef90_A7NME2	G G Q G Q I G V M S P H E M S D E D M A N L L A Y L H T L K
UniRef90_UPI000462F83B	UniRef90_UPI000462F83B	T L K P G N N M P M V P L Q P D E L R A V S A Y M M S L K
UniRef90_W4NNA5		GFPPI MPASLIGDEEMAALLAYII QSL
UniRef90_Q12FL0	UniRef90_D5UZD5	K F V D G R V H P M P G F D W M Q P Q E L A D I V A Y L E S I L K P G S L M P F P O L S A F D A P S I L A Y L E S I L
UniRef90_E4YFA6 CTKMNFAGLKKRDRKNLIAFLKT	UniRef90_E4YFA6	GTKMN FAGLKKRDRKNLI AFLKT

UniRef90_UPI00046AF56D

Ha:Daf00 EELOI2	50 60 70 80	
UniRef90_F5LCI3 UniRef90_UPI0002D89AC4 UniRef90_UPI000463D70F	A D R E M L A G V L D H N D E N L K K WI K D P Q S A D R E K I A G V L D H N E E N L K K WI E N P E S V A Y G V T P P D L G S A G K L Y S K E Y L I A F L K N P A S K V S H A S V G G F A Y S D A M V A H A A E A P T W T L E E L	
UniRef90_Q53094 UniRef90_E8YTW8	A SVG G F A Y S D A MVA H A A E A P T WT LE E L	
UniRef90_Q3SUK3 UniRef90_B1ZVF0	GRRYLGAGIVPNTPENLRSWIKAP KVIDSPEY GKVEGFRYSEAL SRRLLAAGSVLSNTPENLRAWIKDPQA LASGVLSNTPENLRAWIKDPQA SRRTIAAGLLDNTRGALAAWIKDPQA SRRTIAAGLLDNTRGALAAWIRDPQA GGRVSLAAGLLPMTAEALMRWIRDPEA	
UniRef90_UPI0003024CC8 UniRef90_W1JZ11	KVIDSPEY KGKATTVEEFIHESIVEPSAYLHP GKVEGFRYSEAL SKADFAWDETKLDAWLNNPQAVIP	
UniRef90_W13211 UniRef90_K8RKK5 UniRef90_UPI0003775DF5	S R R L L A A G S V I N T P E N L I D WI Q	
UniRef90_UF10003773DF3 UniRef90_K0Q4Y8 UniRef90_X7FE89	S R R T I A A G L L D N T R G A L A A WI A D P Q T L	
UniRef90_UPI00047B1A52	GLD R Q WLY S SERVIVIC COVITY N TA E REINK WIND FEATURE OF THE REPORT O	
UniRef90_A9W7F7 UniRef90_A9F508	ELADGAKVI ADENYFRESLENPGGQVVR	
UniRef90_UPI00037F997B UniRef90_T1XII3	T M A D G S T A L V D E A Y L R S F L R D P Q A R H V K	
UniRef90_G3IRH0 UniRef90_S7X1B0	T M A D G STALV DEAYLRSFIRDPQARHVK A SLPG Y T D Y S V S L K A K G G K W S R E R L D Q F I S S P A A F A S D E Q G L D R A W L S A W I R N S S S L I K S G D A Y A V K	
UniRef90_K7S6Q5 UniRef90_A6DSP0	ADAAASYGVVPPDLSSAGWLYDKNYLANFIFDPMHLQHK TFTDGTKALA	
UniRef90_UPI00047B3C1F UniRef90_A0A033V5E1	R DL LAGYLKHDEENLKKWIKDPESV	
UniRef90_I0XTF9 UniRef90_UPI000466515F	GSRKYLGAGLEETTRGSLAAWIADPQTL	
UniRef90_UPI00041A1F2A UniRef90_B1Z3R0	GLDRQWLYS SERVYIGGVTTNTPENLVRWITNPKAL ELADGAKVIADENYFRESLFNPGGQVVR NFESAASVSA DENYYIRESILNPSAKIVE ADENYFRESLFNPGGQVVR DEAYLRSFIRDPQARHYK ASLPG YTDYSVSLKAKGGKWSRERLDQFISSPAAFAS DE QGLDRAWISAWIRNSSSL ADAAASYGVVPPDLSSAGWIYDKNYLANFIFDPMHLQHK TFTDGTKALA DHQYLTDSINDPAKQIVP SRRTIAAGTLPMNRGNLAAWIKDPESV EFADGSSVTADDAYIKQSILVPTAKIVA GSRKYIGAGLFETTRGSLAAWIADPQTL RVEIAGVLDNDKESLVDWLQDPEKYKPG YGKTETMADGSTAKVDDAYLRAFITNPTARVK	
UniRef90_T2KHP8 UniRef90_F6GIR8 UniRef90_U3C6B0	DKEWLHSWIRNSSGLIKS EEQGL DRAWLYAWIKNSAGMIKS GTADGFRYSDAL KQSGLVWDKRNLDAWLENPAALVP	
UniRef90_U3G6B9 UniRef90_C3CN71 UniRef90_W0BE11	GTADGFRYSDAL KQSGLVWDKRNLDAWLENPAALVP ADRDMVAGIAENNEENLKKWLKDPENM ASRSYLGGVLPNTPENMMKWIMNPKGVDSL GARRLLAAGGALANTPDELRRWIADAQQV	
UniRef90_W0RE11 UniRef90_UPI00016B11C0	G A R R L L A A G A L A N T P D E L R R WI A D A Q Q V G S R G T L A A G M D M N Q Q N L A N W L K D P D E F K P	
UniRef90_UPI00037401EB UniRef90_I0WI16 UniRef90_F7Z3L9	D C W	
UniRef90_UPI000465F086	RDREVKQGEGDTRFTLKA DRSYLKNWIKDPGKY	
UniRef90_G0A8M5 UniRef90_I2FIU5 UniRef90_UDI0003B676CE	VAGILDC DEANLKNWIKDPGKY RDREVKQGEGDTRFTLKA DRSYLHRSIRQPDAELAI TMEN GSTAKVDETYLKDFIRNPQARVVK KEATIFT PDLSTAGAIYDEKFLANLIIDPANTLHL YGSKLRLANGGEVLVNEAYLRDAILNPSQHVTA GKERPIKNGEAVLANEDYLAESILEPSKKIVE	
UniRef90_UPI0003B676CF UniRef90_R7ZSS2	Y G S K L R L A N G G E V L V N E A Y L R D A I L N P S Q H V T A G K E R P L K N G E A V L A N E D Y L A E S I L E P S K K I V E	
UniRef90_UPI000333EFF7 UniRef90_J0CWP2		
UniRef90_B5SB64 UniRef90_B4CYS6	Y G K T E T MA D G S T A Q V D E A Y L R A F I R D P K A R V V K T P A Y I K E S L L E P N K V L A K K M H S I Y P F G T F V P P N I S Q D A K D G I G A W S V E D L A N A M L K G V S P S G Q A P G F A A P G F A X X X X I T W T R Q T R F D Q L E F P K K C I P G Y G K T E T F A D G S S A R V D D A F L H K E I A D P H A R L I K Q T A N M S Y G V V P P D L S L A G K I Y N A N F L A N F I K N P E K T A H K S R S T L A A G A A V N N A A N I R E W L K S P D H F A D R R A L A G S L P N T F D D L A R W I Q D P Q A F D E G I D R A W I N A W I R N S A A V I K S	
UniRef90_UPI0003619F48 UniRef90_UPI0003FD7C26	K M H S L Y L S N G R L A R V E A D Q E Y L K N S L L I P A T Q L A L P F G T F V P P N L S Q D A K D G L G A W S V E D L A N A M L K G V S P S G Q A P G F A A P G F A X X X X I T W T R Q T R F D Q L E F P K K C I P G	
UniRef90_N0A4T6 UniRef90_B3RBU3 UniRef90_U1ERM9	Y G K T E T F A D G S S A R V D D A F L H K E L A D P H A R L I K	
UniRef90_J1FBM9 UniRef90_UPI000476B4C6	SRSTLAAGAAVNNAANI REWLKSPDHF	
UniRef90_H6RNK0 UniRef90_A0A024FF88 UniRef90_W6EIH3		
UniRef90_W6EIH3 UniRef90_Q1YMX2 UniRef90_I4YVT0	G G Y A N A S Y L K E S L M E P S A V V V P G Y N L N A H K N F L WY A N R L Y L A G L L R N T P A N M L H W L R E P Q A A Q Q H L L A G F L P N T P Q N L L A W L V D P V A L	
UniRef90_141V10 UniRef90_UPI00036AE71A UniRef90_D7AG46	M A P A IL I <mark>H</mark> N P G F IL IA A A P D A MII IK A	
UniRef90_D7AG46 UniRef90_UPI000363AF82 UniRef90_A4AML3	GATRNESFLREQLTNPKKMNPA GSSRSFAKGKDALADADYLRESILQPSVKVLK LSEDEGLDREWLNTWL KNSPGMIKDGDAYANK	
UniRef90_A4AML3 UniRef90_A0A024KFC5 UniRef90_UPI0001746B82	GRTTIAAGTLENSPENLAGWIADPQA DEAYIQQSLLEPNAKLAE TLAD GSKVVADETYLAQSMREPTAALVQ	
UniRef90_UF10001746B62 UniRef90_H0Q0N3 UniRef90_I0XN37	TLAD GSKVVADEATILAQSEEPTAALVQ	
UniDaf00 012U7	GKKYDIAYLQNWLKDPQKV SRETIAAGVLANTPQNLAAWIRDPDAL INAPDLTHFGSRLYLGAGAQPNNRANLAAWIANP	
UniRef90_UF100036A464D UniRef90_J0L2C9 UniRef90_F0S656	RVYLA GVLN N S A D NL VG WI VA P Q A Y	
UniRef90_F03636 UniRef90_UPI00035F129B UniRef90_D7WMG2	INAPDLTHFGSRLYLGAGAQPNNRANLAAWIANP RVYLAGVLNNSADNLVGWIVAPQAY DRAWLHKWIKNAPAMVAS SRQTMLSGMMPNTRENLRRWLQDPQAV RNRVAAGFLEHNEESLKAWIKNPEEFKPG GSRDTLGAGLMERTRGSLAAAWIADPQ YGKTETLADGSTVQVDPAYIAESIRTPNAKIVH GSRDTLASGAVTNTPEHLRQWIADPSHY SAGVAFGYEMWLISLKDGTVAYGFEGLQNEVYNPAEDIAA TEELRGIVANAKMTF WT EAQLRGIAKSKMTFETI MPSFYQTAGYIRP ALDN RTKLAGGLDHSPGNLEKWLKNPEEVKPA SRDTLASGSVMNNPANLRQWIENPDYF SRRTLAAGGLDHSPGNLEKWLKNPEEVKPA SRRTLAAGGLDHSPGNLEKWLKNPEEVKPA SRRTLAAGGLDHSPGNLEKWLKNPEEVKPA SRRTLAAGGLLTHMSRGNIAAWIADPQGV GRRVYLAGVLPNSPANMVRWIRDPQSF RSRVAGILEHNEEELKNWLVDPEQY LVGEADYSGAGAUTNTKENLAAWIADPQGV GRRVYLAGVLPNSPANMVRWIRDPQSF RSRVAGILEHNEEELKNWLVDPEQY LVGEADYSGAGAUTNTK	
UniRef90_D7 WMG2 UniRef90_W0NID1 UniRef90_G2J0T1	GSRDTI GAGL MERTRGSL A A WI A DPQ YGKTETI A DGSTVOVD PA YU A E SU RTPNA KI VIH	
UniRef90_G23011 UniRef90_E8X2I4 UniRef90_G0J2Y7	GSRDTLASGAVTNTPEHLRQWIADPSHY	
UniRef90_G03217 UniRef90_S9S607 UniRef90_UPI0003B33203	TEELRGEVANAKMTE EGTVMPAFYKTSGFIRP	
UniRef90_UPI0003B33203 UniRef90_UPI00047E2921 UniRef90_UPI0001E89186	ALDN QETVIADDRYLRDSI LNPKKELAA	
UniRef90_C1F1C9 UniRef90_L0KQZ8	S R D T L A S G S V M N N P A N L R Q W L E N P D Y F S R R T L A A G T L T M S R G N L A A W L A D P O G V	
UniRef90_LUNQ26 UniRef90_Q5P1W7 UniRef90_A6CN12	GRRVYLAGVLPNSPANMVRWIRDPQSF RSRVAGILENNEFFIKWWVDPFOV	
UniRef90_A0A031MDL1 UniRef90_UPI00034C9EAC	LLVGEADYSGQASDII EGYLRESII LEPSAHLST	
UniRef90_UF100034C9LAC UniRef90_H5SRN6 UniRef90_S9QAN8	E VVLPDGTETKVVA DEAYLRESILDPNAKITK	
UniRef90_39QAN6 UniRef90_I2DYG5 UniRef90_H6RNJ6	GSRRLLAAGTLENTPANLRDWIA SRDTIAAGTLENTPANLRDWIA SRDTIAAGMLENTRGNLAGWLLDPQGL ASQRVYEYTMALLDSKI FWNSYNLFMWAKDPQAMCKG DEEVSQAYGVIPPDLSTVAAVLDHNFLAHFIKNPLLASKL GGYSTKEYLMESI VEPSAVVVA	
UniRef90_NoRN30 UniRef90_A0DUF3 UniRef90_V8C7W0	A S Q R V Y E Y T M A L L D S K L F WN S Y N L F M WA K D P Q A M C K G D F F V S Q A Y G V L P P D L S T V A A V L D H N F L A H F L K N P L L A S K L	
JniRef90_V6C7W0 JniRef90_UPI00046AF56D	GGYSTKEYLMESI VEPSAVVVA	

UniRef90_F5LCI3	90 100 110 E K P G T L M P K V P L E D N Q V N E L V K Y L N S L K
UniRef90_UPI0002D89AC4 UniRef90_UPI000463D70F	
UniRef90_Q53094 UniRef90_E8YTW8	
UniRef90_Q3SUK3	K D P V A V N G M E M P N M G L T S A E V D N I L A F L E
UniRef90_B1ZVF0 UniRef90_UPI0003024CC8	G S M K P G T T M P A S Q L S A Q D L N A L V A W I G T L Q K D P V A V N G M E M P N M G L T S A E V D N I I A F L E K P G V L M P N F K L S E R Q L D E L M A Y L E T L R G P M Y S A N G S F M P K D L T E E Q L D H L V A Y L A S F K
UniRef90_W1JZ11 UniRef90_K8RKK5	H A O FILK P G T I M P D M K I A P A F A S DI I S A Y I A T I K
UniRef90_UPI0003775DF5	I K P G C L M P A M H L T D N E L D S V V A Y L R T L K
UniRef90_K0Q4Y8 UniRef90_X7FE89	I K P G C L M P A M H L T D N E L D S V V A Y L R T L K K P G N N M P M V P L S S D E L R Q L A A Y M D S L K I K P G A M M P Y D H L S D D D L S A L A A Y L E G L
UniRef90_UPI00047B1A52 UniRef90_A9W7F7	SPRTAMPVITGII SEQQIIDDII LIAY
UniRef90_A9F508 UniRef90_UPI00037F997B	GYPPIVIMPSFK GILLIKDKEIVIDAILI IAYILIKSIVIK
UniRef90_T1XII3	GYQNQMVS YEGRLSDDDISDIIAYIKTLE GFPPV MPKIELSDEELAALVAYIQSL GTTMDFAGPSQSDRIALMRFLE
UniRef90_G3IRH0 UniRef90_S7X1B0	
UniRef90_K7S6Q5 UniRef90_A6DSP0	YTPESGKAFPMPYNWMSPQEIMDIVAYFQAL GYAVP MPAQGLNEVQVKNLIEFIKTL
UniRef90_UPI00047B3C1F UniRef90_A0A033V5E1	
UniRef90_I0XTF9	GFPPAMS SFQGIKEDEIKDI IEFI KTLK KPGNNMPLVPLSREELLSVSAYLASLK
UniRef90_UPI000466515F UniRef90_UPI00041A1F2A	\
UniRef90_B1Z3R0 UniRef90_T2KHP8	G F S P I M P H F D L S D Q E L A A L V A Y I K
UniRef90_F6GIR8 UniRef90_U3G6B9	GDAYANNGTAMAFPOLSDSDIDNILAY GNAMTFPGIDARTRADLVAYIE
UniRef90_C3CN71 UniRef90_W0RE11	K P G N K M T Y G N II IT D D Q II ID A II IN A Y II IQ T II IK
UniRef90_UPI00016B11C0	TAMPNTGVTDSDVRHIAAYLYTLR KPQSLMPSLRLDPAQQCDLSAYLATLR
UniRef90_UPI00037401EB UniRef90_I0WI16	G N M S K Q G I A Y I N M G L G S E D I N N L V A Y L Q S L K G D A D A K Q V P M T P F P Q L S D Q D I D D I L A Y K P G T K M P A F G L S D R Q I D A L A A Y L M Q L K A E S G S N S G P M P A D T L S D G D L D A I G A Y L K T L
UniRef90_F7Z3L9 UniRef90_UPI000465F086	K P G T K M P A F G L S D R Q I D A L A A Y L M Q L K A E S G S N S G P T M P A D T L S D G D L D A I G A Y L K T L
UniRef90_G0A8M5 UniRef90_I2FIU5	GFAP MMPKIDMSDAELEAL VAYIKS AHKFPNGDFPMTPYVTDNQEVADIVAYLKSI
UniRef90_UPI0003B676CF	F GYAPII IM PTYOGOII IS FFGILLIDII VIFYII IKSII IK
UniRef90_R7ZSS2 UniRef90_UPI000333EFF7	GYDE GMPSFLGLLSENDLASLILFIKSL GTKMLFAGIKKKERADLJAYLK
UniRef90_J0CWP2 UniRef90_B5SB64	K P G N N M P L V P V T S E E L R Q L S A Y M R E L Q G F A P I M P N F D L S E Q E L S S L V A Y I K
UniRef90_B4CYS6 UniRef90_UPI0003619F48	GFAPI MPNFDLSEQELSSLVAYIK GYENLGTSPMPPMGLLKPQELEDIQAFLQTLR QELGPERGSPMPKLFLNGHERNALFAYLKTL
UniRef90_UPI0003FD7C26	
UniRef90_N0A4T6 UniRef90_B3RBU3	G Y G P V M P K L P L S D D E L A A L T A Y L K S V
UniRef90_J1FBM9 UniRef90_UPI000476B4C6	FSEAGKVHPMPGYAWMSDSDIASIVAYLQ KQGSLMPAMQLSDQQLDELVAYLSTL
UniRef90_H6RNK0 UniRef90_A0A024FF88	EVEPGTLMPDVGVTDEDVDDIVAYLYTLE GYKEYKGVAMTPYPGETDODUSDU IAY
UniRef90_W6EIH3 UniRef90_Q1YMX2	TSDEKGÜRTMPPFAHLDEKSVNDLVAFMKTLK
UniRef90_I4YVT0	T S D E K G V R T M P P F A H L D E K S V N D L V A F M K T L K I A P G S V M P D M G L T E Q Q A R D I T A Y L Y T L Q K P R T G M P A Q G L T E L E A R H V A S Y L Y T L T L M K G R E G T P M V S Q G L K E K D D D D I V S Y V R S F E
UniRef90_UPI00036AE71A UniRef90_D7AG46	I IMPSEKGILIPKQEQDALVINYILIKGILIR
UniRef90_UPI000363AF82 UniRef90_A4AML3	
UniRef90_A0A024KFC5 UniRef90_UPI0001746B82	I_K_P_G T R M P K [V D]L S A D E L Q A I V S F L S G L K
UniRef90_H0Q0N3 UniRef90_I0XN37	GYPAL MPQANLADDEVAALVAYIKSL
UniRef90_Q13IJ7	K P G T A M P K L P L S E S E L K D L S S Y L S Q L K K P G T T M P A V P L S D T D R V A V V R W L R T L Q H V A K P G V R M P A S T M D P A T L T A L A A Y L E S L K
UniRef90_UPI00036A484D UniRef90_J0L2C9	SPKTAMPATGI SEKEARDLAAYL
UniRef90_F0S656 UniRef90_UPI00035F129B	SPKTAMPATGISEKEARDLAAYL SPKTAMPATGISEKEARDLAAYL GFNEYNQAPMTPFPQLSDADIDNI LAYVK KPGAKMPRFLYSKDSI NVL VDYL TTLK
UniRef90_D7WMG2 UniRef90_W0NID1	NLMMNAEGTAPIYGDISDEEI EALATYIMGI TIKPGNNMPMVPIITSDEI RAVSAYMESI K
UniRef90_G2J0T1	NLMMNAEGTAPIYGDISDEEI EALATYIMGI TIKPGNNMPMVPLTSDELRAVSAYMESLK GYPAI MPPFSLSDPELAALTAYMKTL KDGALMPAMHLKDADIDLVSKYLESLQ
UniRef90_E8X2I4 UniRef90_G0J2Y7	R K R F A T S I M P K P T D L L N E T D I S N L T A Y L Q G L K G D G Y T G K A A E P P I P I L A A Q D I E D L V A F L T T L K
UniRef90_S9S607 UniRef90_UPI0003B33203	GDAYGKAAEPPIIPII LAAQDII EDIL VAFILITTILIK GDAYGKAGTEPILPPII LSAQQVEDIV VAYILITEK
UniRef90_UPI00047E2921 UniRef90_UPI0001E89186	GYEPVM PSFDGLVDEGEMQMLLAYLKSL
UniRef90_C1F1C9 UniRef90_L0KQZ8	K P G V L M P A M H L S S Q Q L D Q V T A Y L D T L K P G S H M P V V E L N G D E L N A L V A Y L E G L K G F D T A M P D L Q V T E S Q A R D M V A Y L Q E L K
UniRef90_Q5P1W7	GFDTAMPDLOVTESQARDMVAYLQELK
UniRef90_A6CN12 UniRef90_A0A031MDL1	K P G N K M T Y G K L D D Q E L D A L A E Y L M G L K G G M Y S A N G S F M P D T Y L S E E Q L E Q L V A F L A T L K K Q G N K M P F E D M S D E D M E A L I A Y L R S L
UniRef90_UPI00034C9EA0 UniRef90_H5SRN6	
UniRef90_S9QAN8 UniRef90_I2DYG5	GNAYTGEAADETFGLLSAQQUEDVVAYLSTLK
UniRef90_H6RNJ6	K P G V R M P P N N L D G D E L Q A L L A Y L E S L E
UniRef90_A0DUF3 UniRef90_V8C7W0	K P G V R M P P N N L D G D E L Q A L L A Y L E S L E T K C L Q R G E L WH K E D L V Y P M S G Y D W L G D E A L G N I V A Y L S S I
UniRef90_UPI00046AF56D	O GYNRNAHKTMPSYEWLDEKSRNDLVVYLQSLK

	1 10 20 30 40
UniRef90_W7ZQI0 UniRef90_F3WW58	GYEWFQECINCHAFG GEGMATGPTLITNE
UniRef90_E3IB89 UniRef90_J3HG40	AKOGEEN ENKCHAVI PVIDKRRLAPNI GNEGD
UniRef90_A6Q613	G D V A Q G Q R L A Q S C L A C H S V D G S K G G D V K K G K E L A M N C A S C H R W A E M A P M Y M A P D L S N I G G Q A T
UniRef90_L9PMJ9 UniRef90_V6M570	RGCSACHSVD GNPGAGPSWKGLF AKQGEDIFNQCLGCHAI AGKGGKLGPNLTNF GDLARAMPIANGCSGCHTISPGAQGQVGPRLDA GDPKAGAEVMANCVACHAVGTLEE VPFHGEVGPPLD
UniRef90_E8TPF5	G D A R A M P I A N G C S G C H T I S P G A Q G Q V G P R L D A
UniRef90_A0A017HCY5 UniRef90_UPI00035FF31D	G D P K A G A E V M A N C V A C H A V G T L E E V P F H G E V G P P L D G D P Q R G L Q L I R Q C G A C H A I V Q G A G G D A G P S L E H I
UniRef90_UPI00035D209D UniRef90_G8MKT5	GDPQRGLQLIRQCGACHAIVQGAGGDAGPSLEHI GDPERGKEIFTNCVACHYVEGVAQGTVGPSLADYA AR DVRAGAELFKRCAGCHTVGTDANGAQAPDLTHL
UniRef90_I3XZ33	G D A S R G A E T F A G C T G C H S L N V A G M P A P M D N
UniRef90_A7NII5 UniRef90_I1XG18	G D P E R G K E I F T N C V A C H Y V E G V A Q G T V G P S L A D Y A A R D V R A G A E L F K R C A G C H T V G T D A N G A Q A P D L T H L G D A S R G A E T F A G C T G C H S L N V A G M P A P M D N G D P Q R G A A L F A A C R G C H A V D P A A S D S L G P N L A G I A L G E H I F R A C A S C H S T E P D V N M A G P S M A G L A K R A A A E G K S L F N N C L T C H A V E A Q V E N K K G P N L A G F I E A G E I F N K C N T C H T L D T S A P P G R C P D L T D I G T R A A A E G K A T F Q R C G A C H T V G T S A G G R V G P D L T H V M K G D A T K G A E T F A G C I G C H G V S S Q G M E A P M D H A S A S A S F V I A G K N V W N N C T N C H T L L G E G A Y Y A P D L T K I A L Q R
UniRef90_UPI000425B1D5	A E G K S L F N N C L T C H A V E A Q V E N K K G P N L A G F
UniRef90_UPI000380A45B UniRef90_B8ES67	A E G R A T F Q R C G A C H T V G T S A G G R V G P D L T H V M
UniRef90_W6EHT8 UniRef90_Q3SKK4	K G D A T K G A E T F A G C I I G C H G V S S Q G M E A P M D H A S A S A S F V I A G K N V W N N C T N C H T L L G E G A Y Y A P D L T K I A L Q R
UniRef90_E4TAJ5	GDAARGAQVYKMCNLCHTL GGESGPMAALGG
UniRef90_W0E5G0 UniRef90_H8GMK6	EPDVAAGRKFFEQCAGCHSVGTEAGGKHAPDLTHL
UniRef90_B0UJY4 UniRef90_X5DAK6	E P D VA A G R K F F E Q C A G C H S V G T E A G G K H A P D L T H L G D P D R A P A L M H G C A G C H E I P A G P R G R V G P P L G A A T G K R I M Q N C F A C H T L D G T K L V G P S F K G I W G A E H D M A H A R Q L I A E C V A C H T V V K G P A T M V G P P L E K L Q G D L A K G E A I F N K C I G C H A N T P N E K A R T A P N L A T F G D R E R
UniRef90_F4GRB0	DMAHARQL TAECVACHTVVKGPATMVGPPLEKL
UniRef90_UPI000409249E UniRef90_H0SJ98	GDPAHAPEL MRRCAGCHTITATGADGQVIGPPLITGLTRQ
UniRef90_I4YT73	QRGMEI FKPCVMCHQVGTDAGGKVAPDLTHV
UniRef90_C5AS97 UniRef90_A7H8L3	A E E G R R V A Q G C L K C H S V D G T R H
UniRef90_UPI00047DC3EB UniRef90_UPI000374BD36	GDPAHAPEL MRRCAGCHT I AT GADGQV GPPLT GLRQ QRGMEI F KPCV MCHQV GT DAGGKV APPLT THU GDPAHAGAKV VGNCL GCHQI SEDFHGEV GPSLDGV AGR AEEGRRV AQGCL KCHSVD NARNGQL V F QSCI SCHT V GTVANGRY GPDLT HLM ARGQAV F SQCV MCHAV GTRALGRV APPLT THE
UniRef90_UPI000475C7D9	VAAGAKLFQRCVACHTAEKTGSGHLFAELRNLHDMGT DGDASAGQQVFANCAGCHGQNAQGGLGPSL
UniRef90_H8GUJ0 UniRef90_A0A015NYR5	DPALAQKFQSQCLSCHAVGDMGGP AFPNLTGLGDRE DTKRGKELFLQCLLCHALGTDASAQAGPDLTHF
UniRef90_Q01R98 UniRef90_I9BQN0	DTKRGKEI FLIQCI LICHAI GTDASAQAGPDLITHF GKALAQSCVACHSVD GSASVGPTWRGLFNH
UniRef90_A7ZBK3	K G D A A K G A F T F A G C T G C H G II F A A G M P A S M
UniRef90_A1ZL70 UniRef90_A7BTU1	GDVEAGKTLFNNCQQCHS PGADVIVGPGLKGIMDRRS GDAENGKTIFQKCFYCHTI GGGKLAGPDLKEVI GDLTRAPMIFRRCTGCHTIPAGADGEVGPPLTGF
UniRef90_W6S2L0 UniRef90_UPI000381AC60	G D L T R A P M I F R R C T G C H T I P A G A D G E V G P P L T G F I A A G R E V F N K C F N C H K V F W E G N S D R G P N L
UniRef90_B4DA33	IVIA A G A RIL IF Q A C A G C H G P N A T IVIH A P PIL IN GII IF G H PIVI
UniRef90_W4T517 UniRef90_E6PY66	D G D P K N G E K L F K N C T A C H A L D K Q V I G P P L K G V V E R A E E G R M V F N A C I N C H T V G T V A T G R F G P D L T H F A
UniRef90_D0D4Q2 UniRef90_UPI0002FB722E	DGDAFKGRFILIFGN <mark>CI</mark> VISCHAILIAAILIPQGFIVIGPIVLIDGIVIGGYRS
UniRef90_UPI0003B55CB1	A H Q G R Q L F M K C I Q C H N T E N P R A P I L E E V F K S K R G N A A A G Q R V F S A C I N C H A V G T V A N G R F G P D L T H L A
UniRef90_J0UVI4 UniRef90_F2NN01	G D P T R A P M I F R R C G G C H L I P P G A D G K V G G P L T D L R Q Q G K A L A A R C T S C H S A D G R P G I G P T W K G L
UniRef90_UPI0004075A16 UniRef90_I8AGV9	QGKALAARCTSCHS ADGRPGI GPTWKGL EGDPQRGKVALQQCTGCHVIPGGANSLVGPPLDRM DQAQGQEVFKKCLSCHAI GKEGGS TGPNLTGFGD
UniRef90 L0EAT3	DPAHAEAEAKK <mark>C</mark> HSCHAWGEHGGEPWEPNHHGHGDRE
UniRef90_UPI00047C42ED UniRef90_D3S2G0	K G D A K N G L Q V F N N C S V C H Q V N G E G G N K F P K E G Q Y L A L L H P G E E I F R K C V S C H T I G G G D L V G P D L L G I T E K R D A E K G K T L F N N C A Q C H A V T A E K V V G P G L K G I E E R A P G N A A A G K K V F G N C L A C H Q V T S L K H G E F G P S L D G V A G R G E K V Y K A C N S C H N T D A T R K V G P G F G G L V A R G R Q L V S G C V A C H A T D Q K R T I V G P G W G G L A G H
UniRef90_D2QS47 UniRef90_I2QQX5	DAEKGKTLFNN <mark>CAQCHAVT AEKVVGPGLKGI</mark> EERAP
UniRef90_A6GFM7	GEKVYKACNSCH NTDATRKVGPGFGGL
UniRef90_W8X419 UniRef90_H5SRN7	VARGRQL VSGCVACHATDQ KRTVGPGWGGLAGH VAKGRELYRSCVACHSVD GSPNVGPTWKGLFGHEV ARGQQIFLQCAGCHRVQQGAAGLAGPDLSYFA GDTAKGKELFNNCAACHKLDAKA TGPALRGVASK GDPNKGKELFNNCAACHKLDAKK
UniRef90_K9ZX58 UniRef90_UPI00046A696E	A R G O OIL IEIL IO C A G C H RIVIO O G A A GIL IA G P DIL IS Y E A
UniRef90_I4A0Q0	GDTAKGKELFNNCAACHKLDAKA TGPALRGVASK GDPNKGKELFNNCAACHQLD KKVVGPALGGIVEKLQ
UniRef90_F5SFX3 UniRef90_UPI000471B78A	EAGKKVFQNCMSCHALDGTERGGKAPNLTGF GNAARGKAVFDACASCHA SPGQPDRLHLGGGLLLASPF GLAAQGEELFKNCLSCHAVEPNDKRRTAPNLATFGE KGDATRGKDLVMACAGCHGLEVEG MPAPMDVVT
UniRef90_A0A024BCR1 UniRef90_E0UR13	GLIAAQGEELIFKN <mark>CLISCH</mark> AVEPNDKRRTAPNLATFGE KGDATRGKDI VMACAGCHGUEVEG MPAPMDVVJT
UniRef90_W0JA31	
UniRef90_D0LN58 UniRef90_M5T4U1	AAQGERLATROMROHT ADGTPHIGPSFARV AEWGQLLYNROSGOHS NDGSKLVGPSFKDVYASQH
UniRef90_D7A6W1 UniRef90_D1CES9	GAFLASG <mark>C</mark> GG <mark>CHTV</mark> GSEAAG <u>TI</u> GPDLTHLADR
UniRef90_A9ARK0	A R C A G C H T V G T D A A G D A G P D L T H L A
UniRef90_A9E868 UniRef90_U1X0Y9	ARCAGCHT VGTDAAGDAGPDLT HLA GEAVRGAQVFARCGACHS VGTRAVGQVGPDLT HVGSRRS RGRQVYLRCHVCHT VRPVKADSSLGPVSVPEDYRH DAAKGEALFKNCAQCHAVTD ERVVGPGLKGVSGRH CAGCHELPAGPRGRIGPPLGTV
UniRef90_UPI000479DAD9 UniRef90_UPI00035E36AC	DAAKGEALFKNCAQCHAVTD ERVVGPGLKGVSGRH
UniRef90_I4WTZ7	A A D G K KIVIF Q N C IVI G C T I IVII V IG N G A T T A G P A WIL IA A F IL IP S A
UniRef90_F5Z8I8 UniRef90_J4CDW1	A G Q R V F A G C Q H C H T I G T D A T G T A G P D L T H L A T S G F S S I G P T L F N V Y G R T S A Q Q G E E L F G Q C I S C H A T S G V G Q G M A G P N L A T F G D
UniRef90_E7REC3 UniRef90_UPI00037A3021	A Q Q G E E L F G Q C I S C H A T S G V G Q G M A G P N L A T F G D
UniRef90_A0A022GUI3	K G D V A N G K N I F K N C S C H Q I R G D L G V S F G P D L G T I H N W S P V E Q G R A L A Q S C V G C H S I D G T V G V G P S W K G L D P V K G K E L F N N C A A C H K L D A K A T G P A L R G V A G R H G E Q I V R G C V G C H A L D P N V A M T G P T W H N I G D T A V D G Q V R T G Q K I F M R C A G C H G V G S D A V G V Q A P D L T H V G D A A N G R L I V G N C V A C H Q V S D L A Q G E I G P M L D G A G D R W T R G C A A C H S V D G N A G V G P T W K G L F G K T E
UniRef90_UPI00047B8CCB UniRef90_I0HYU5	VEQGRAL A QSCVGCHSI D GTVGVGPSWKGL DPVKGKELFNNCAACHKLDAKA TGPALRGVAGRH GEQI VRGCVGCHALDPNVA MTGPTWHNI GDTAV
UniRef90_I5CVW0 UniRef90_UPI000468AFF0	D G Q V R T G Q K I F M R C A G C H G V G S D A V G V Q A P D L T H V G N C V A A N G R L I V G N C V A C D D W T
UniRef90_UPI0004773733	R G C A A C H S V D G N A G V G P T WK G L F G K T E
UniRef90_UPI0003620F07 UniRef90_Q49128	DAKRGFAL FAGCAACHSFTDDSFHKAGNDL GRGKFAPP
UniRef90_C7LU08	DLDRGRQLMEACLS CHSTD GSELAGPTLRNI VGRKV

	50 60 70 90
UniRef90_W7ZQI0	50 60 70 80 G D R Q K <u>F</u> A G V Y <u>D I</u> D D D E E L A N W I R N P E E L
UniRef90_F3WW58	
UniRef90_E3IB89 UniRef90_J3HG40	GPGWOGIVGKAETIADGTSIJKWDEGVIJKESVIJNPAAKI VK
UniRef90_A6Q613	A A YI R E SI L D P N A V V V P G Y N R N S H P N F A WY T V D D K G H
UniRef90_L9PMJ9	GRSELMNDGATVRVDEAYLRESITNPAARLVK
UniRef90_V6M570 UniRef90_E8TPF5	RERIAGILE HNEENLKKWLKDPESV RERIAGILE HNEENLKKWLKDPESV GPGWQGLYGKAETLADGTSIKVDEGYLKESVLNPAAKIVK AAYIRESILDPNAVVVPGYNRNSHPNFAWYTVDDKGH GRSEIMNDGATVRVDEAYLRESITNPAARIVK ADRERVAGILAHTPENVAEWLKDPQK SLADRTFIGGGGANNPENLIRWIRSAR
UniRef90_L81FF3 UniRef90_A0A017HCY5	GAADKWIEADILIKUII VIANAKIVI F PUI II IVIPAFIKI I UFII IKP
UniRef90_UPI00035FF31D	G R L S Y I A G G I P N Q P A R M V R W L Q H P P S L
UniRef90_UPI00035D209D UniRef90_G8MKT5	G M P D E Y T Y Q M L Y D A R V F Y E G N A R R L I A A G T L S N T E Q N Q L D WI Q
UniRef90 I3XZ33	
UniRef90_A7NII5	A L R A G S R I S G V A A D V Y I R R S I E I H D D F V V P
UniRef90_I1XG18 UniRef90_UPI000425B1D5	DGEATNIEEYI RESITAPSAYL VP
UniRef90_UPI000380A45B	TRQPGLAA KEYLIESTYEPHKFLVP
UniRef90_B8ES67	S R G T A A G T P N T G S L A G W V A D P Q H
UniRef90_W6EHT8 UniRef90 Q3SKK4	GVVP PDLSTAGALYDKNFLAALIKDPTKKVEH
UniRef90_E4TAJ5	TEQGL GADWLHKWIKDNKKYANE
UniRef90_W0E5G0	T L D QVG A E R S A Q WL R D Y L L D P T G T L P
UniRef90_H8GMK6 UniRef90_B0UJY4	N S R R MILIA A GIL LIT N T A E H R I E WI I I R V Q A L I S V A E R V Y I G G V V T N T P E N I V R WI V D P R A I
UniRef90_X5DAK6	TVETGRETRQVTVDEEY RKS YEPNADVVD
UniRef90_F4GRB0	
UniRef90_UPI000409249E UniRef90_H0SJ98	RVY G GVANNSADNI VO WI VISPOLIF
UniRef90_I4YT73	GSRRYLAAGTLETTRGNLAAWILDPHG_
UniRef90_C5AS97	WD A A HL R MI V VIN P K H V F T E
UniRef90_A7H8L3 UniRef90_UPI00047DC3EB	S R A T L G A G A A F N T P G N L L A WI A D P N T F
UniRef90_UPI000374BD36	ALRGY I G G V L P N T A D N L V I R W L L D P P A N E E N L K R W L R D P E K V K P G R V Y I G G V A N N S A D N L V I Q W I V S P Q I F G S R R Y I A A G T L E T T R G N L A A W I L D P H G WD A A H L R M I V V N P K H V F T E G P T W V D L Y L R Q E R L K D G K T I V A D E A Y L T K S M M D P A A E I V A S R A T L G A G A A E N T P G N L L A W I A D P N T F G G R R T L A A A S V P N S R G H L A G W I L D P Q G G L A D K F V E G Q A K G G M W R T S P L W G I G Y T D K V M G D S S K Y L H D T V G G I L V N T E N P K Y O N E G S T Y D N I Y R W I K D P Q A V
UniRef90_UPI000475C7D9 UniRef90 H8GUJ0	GLADKFVEGQAKGGMWRTSPLWGIGYTDKVMGDSSKYLHD
UniRef90_A0A015NYR5	VMATEGPKAWTLAQFTTVLR EGTVGGILVNTENPKYQNEGS TYDNLYRWIKDPQAV GSRKTIAAGTLPNSKGNLAGWIADPQ SVPLADGSTRQADAAYLAESIREPQASVVK AETASQSFGVVPPDLSTAGKLYDERFLAALIKNPTMAVKH
UniRef90_Q01R98	G S R K T L A A G T L P N S K G N L A G WI A D P Q
UniRef90_I9BQN0 UniRef90_A7ZBK3	SVPLADGSTRQADAAYLAESII REPQASVVK
UniRef90_A1ZL70	
UniRef90_A7BTU1	P Q R E E N WL V R WI V A P N K M V A E S K R V Y L A G V M E N R S D N L V S WI V S P Q A F E D Y I R E Q I L D P R K D Q A P
UniRef90_W6S2L0 UniRef90_UPI000381AC60	GTRQIGLYS EDYIREQILDPRKDQAP
UniRef90_B4DA33	ALST _ GKTVIADEQYIHDSILQPKKDIVA
UniRef90_W4T517	ALST GKTVIADEQYIHDSILQPKKDIVA VKTEGGV DRDWLHKWIKDNKKYANE SRDTIASGAIPNTPKQLRAWIANPDEF
UniRef90_E6PY66 UniRef90_D0D4Q2	A A E I R G I L V N A K K T F E G T V M P S F Y K T S G F T R P
UniRef90_UPI0002FB722E	A F KG G T A G F A D E N Y L R E S T R K P R A K T R E
UniRef90_UPI0003B55CB1	GGTAGFADENYLRESTRKPRAKTRE SRETLASGPTPNNAENLRKWIEDPNAM RVYLGGVANNTPENLVRWIVFPQRF YGSRPLAGGGEAVADEAYLRESILRPNAKTVQ AKRVYTAGSLPNTPENMIRWLRHPQ
UniRef90_J0UVI4 UniRef90_F2NN01	Y G S R R P L A G G G E A V A D E A Y L R E S I L R P N A K I V Q
UniRef90_UPI0004075A16	AKRVYTAGSLPNTPENMIRWLRHPQ
UniRef90_I8AGV9 UniRef90_L0EAT3	KĒKŪAGŪLDHNKDNŪKKWIRDPQK TVAGŪLVNTDNPQYWNEGSV YENIYRWLEDPQG
UniRef90_UPI00047C42ED	DAGI SFGYEGWELKMKDGGI I SSKTETDI I LKMPGGI VQN
UniRef90_D3S2G0	DREWLIKUI VOPDSELDD
UniRef90_D2QS47 UniRef90_I2QQX5	SKDWL <mark>HKW</mark> IRNSSAVIAS YTEAQURUUVADPKRUETN
UniRef90_A6GFM7	Y G K S E N L A D G S S V E A D E N Y I R E S I M E P N A K I V A
UniRef90_W8X419	AVEL A D G T T V T A D E A Y L V R S I R Q P D A Q I V A E
UniRef90_H5SRN7 UniRef90_K9ZX58	S K D WL H K WI R N S S A V I A S Y T E A Q L R L I V A D P K R I F T N Y G K S E N L A D G S S V E A D E N Y I R E S I ME P N A K I V A A V E L A D G T T V T A D E A Y L V R S I R Q P D A Q I V A V L P D G S A Q T L V A D E E Y L R E S I L Q P A A K I V K S R N T L G A G M W E G E A A R E R L K E W I L N S P G L K P G Y E M A WL Y K W V K N S S D L I K S G D A A A V K T E Q G L G R E W L H K W I R N N E E L R A S G D E Y A I K S E R E K I A G I L E N N D E N I D K W I K H P
UniRef90_UPI00046A696E	Y E M A WLY K WV K N S S D L I K S G D A A A V K
UniRef90_I4A0Q0 UniRef90_F5SFX3	TE QGLGREWLHKWIRNNEELR ASGDEYALK
UniRef90_UPI000471B78A	SEREK AGLLENNDENLDKWLKHP GSFRVPNISPDR SDGI GAWSASDLANALV AGISPQ RVKVAGI KDANKENI KAWLKNP
UniRef90_A0A024BCR1	RVKVA GILK DANKENI KAWLKNP
UniRef90_E0UR13 UniRef90_W0JA31	A A A S Y GVN P P D L S N A GA VY D A K F L A NL I K N P A HALH K GSRTTI A GGVLENTPENLHRWVTHPDLVKPG Y E R E L P L V G G A T V R A D E A Y L T E S M M D P L A R V R R A L A S G D N V V V D D N Y I R E S I J A P K A K V V A
UniRef90_D0LN58	Y E Ř ĚĽPĽVG Ğ Ă TVRADEĀ YĽT E SMMDPĽÁ ŘVRŘ
UniRef90_M5T4U1	A S G D N V V V D D N Y I R E S I J A P K A K V V A
UniRef90_D7A6W1 UniRef90_D1CES9	R T L G A G I L P N T P E N L K R F I A D Y G K T V E L T N G Q K V K A D D N Y I R Q S I L E P Q S Q V V K S R R S L A A G T L D N T P D N L R R W L A
UniRef90_A9ARK0	S R R S L A A G T L D N T P D N L R R W L A
UniRef90_A9E868	LNGSEEDFARFIAH DYPHLLGSVRTGSDLTWVGTRWNEQWHRVHLKNPRQVFPG
UniRef90_U1X0Y9 UniRef90_UPI000479DAD9	DFAWLSKWVRNSQAVIAS
UniRef90_UPI00035E36AC	A E RVY LG GV VA N T P E N L VH WI VD P K A LA P
UniRef90_I4WTZ7 UniRef90_F5Z8I8	G G W P I I A A V IR A Q L I Q D P N Q S A D A G T D S II D A Y L K K F P G A A E R
UniRef90_J4CDW1	G Q N V G G L N M M T N T M Q S S G I V W N E A N L M R Y M K N P T M F V D A
UniRef90_E7REC3	R N R VA G Y L E H N E E N L K N W S N P Q E Y K P G
UniRef90_UPI00037A3021 UniRef90_A0A022GUI3	D F A WL S K WV R N S Q A V I A S A E R V Y I G G V V A N T P E N L V H WI V D P K A L A P G G W P T T A A V R A Q L Q D P N Q S A D A G T D S I D A Y L K K F P G A A E R S R Q S I A S V T R Q N S R A H L G G W V A D P N G G I Q N V G G L N M M T N T M Q S S G I V W N E A N L M R Y M K N P T M F V D A R N R V A G Y L E H N E E N L K N W I S N P Q E Y K P G D A I M A N I L A P N L S I S S F Q G I I S T E T P T A I T V K N A E K T I R R Y G S T G T F A D G S S A K V D D A Y L K T E I T D P Q A R L V K D K A W I Y K W I H N S S A I L I K S
UniRef90_UPI00047B8CCB	DKAWLYKWIHNSSALIKS
UniRef90_I0HYU5	GR VRGESPAL YLYESLVNPNAYVVP
UniRef90_I5CVW0 UniRef90_UPI000468AFF0	DKAWLYKWIHNSSALIKS GR VRGESPAL YLYESIVNPNAYVVP GSRRQLAAGTLTNTPEHLLDW VQ EAELRGIVSNAKIMF EDSMMPAFYKTEGFIRP
UniRef90_UPI0004773733	A MND GASVHVDEAYLRESITSPAARIVK
UniRef90_UPI0003620F07	A M N D G A S V H V D E A Y L R E S I T S P A A R I V K G E R R S E A W L H A W L K N P D A K V V R S V T A M R Y A T P S L R D L R M E G P Y M H D G Q L G S L E A V L D H Y I K G K M A D G S E I A A D D R Y L I E A I L D P E K F I V V
UniRef90_Q49128 UniRef90_C7LU08	SVI AMKYAIPSLIKULIKMEGPYMHUGQLIGSLEAVLIDHYI KG
UIIKEIBU_C/LUUK	K WADGSEJI JAADDKY JE AJI LIDPEK F ILVV

	00 100 140
UniRef90_W7ZQI0	90 100 110 K Q G N N M P P <u>H</u> D I S D D D M E D L <u>I </u> A Y L R S L Q
UniRef90_F3WW58 UniRef90_E3IB89	KPGTAMPSVPLSGPDADALATYLERLR
UniRef90_J3HG40	K P G N K M T Y G Q L T D E Q V D A L T K Y L M S L K G Y A A V M P P F T P S D K E L N A L T A F L K S
UniRef90_A6Q613 UniRef90_L9PMJ9	RTSAMPPFNYLKPQEINDLVAYMQTLK GYQPI MPAQQLSPTDVAQLVDYLKTIR
UniRef90_V6M570	II IK P G N N M P NIL INIL ID D N QIVIN AIL VIE Y M S I IL I
UniRef90_E8TPF5 UniRef90_A0A017HCY5	ELNPRTAMPSTRISEQQARDIAAYLYALK GDGTGKAGTEPLPPLLTAQQVEDVVAYLMTLR
UniRef90_UPI00035FF31D	K P G I IL IM P A IL IGIL IS E D E A R H M A A Y IL IY I IL IR
UniRef90_UPI00035D209D UniRef90_G8MKT5	T L M P P F G A F N N L T E Q E L H D V M A Y M A T L K H A Q R L K P D S L M P S L A L S A T D A A A L T A Y L R T L Q
UniRef90_I3XZ33	K F T E E R P H P MI A F Y GL G D Q E I A DI VA Y L Q S I
UniRef90_A7NII5 UniRef90_I1XG18	T L M P P F G A F N N L T E Q E I H D V M A Y M A T L K H A Q R I K P D S L M P S I A L S A T D A A A L T A Y L R T L Q K F T E E R P H P M I A F Y G L G D Q E I A D I V A Y L Q S I G F E A G L A R A V V D F G I L S D Q D I A D L T A Y L L T L G E M Y S G E T S M P T G Y L S K E E L E Q L T A F L A T L K K P G S E M P V K G L D K K E Y E K L A E Y L Q T L G Y G N I M P P V W K P P I S L T E L E I E T V I A F L Q S K P G A K M P V L E M S G P E I H S V T A Y L A T L K F N E S R P H P M I A F F G L G D Q E V A D I V A Y L Q S I
UniRef90_UPI000425B1D5	K P G S E M P V K G L D K K E Y E K L A E Y L Q T L
UniRef90_UPI000380A45B UniRef90_B8ES67	GYGNIMPPVWKPPISLTELEIETTVIAFLQS KPGAKMPVLEMSGPEIHSVTAYLATL KFNESRPHPMIAFFGLGDQEVADIVAYLQSI
UniRef90_W6EHT8	K F N E S R P H P M I A F F G L G D Q E V A D I V A Y L Q S L
UniRef90_Q3SKK4 UniRef90_E4TAJ5	Y D E Q K V R R V M P K Q N L S E Q E I S D L I A F L V F E K F N K T E M T A F P S L S E K D I D D I L A Y M R S L R K P G A R M P A F A L T P G E T A A L S A F L S T L
UniRef90_W0E5G0	G A Q M P K T E L T P Q E L A D L V A Y M R S L R K P G A R M P A F A L T P G E T A A L S A F L S T L
UniRef90_H8GMK6 UniRef90_B0UJY4	K
UniRef90_X5DAK6 UniRef90 F4GRB0	DPRTAMPVTGISEAQARDIAAYL GYNKGLMVSY EGQLSDDDIDNIIEYLKTVK IDPKTAMPDMGLSNEDARDIAAYLLGL NLMTGK YQKLSESQLDALTAYLMGLK SPRTAMPATGITAAEARDVAAYLYS
UniRef90_UPI000409249E	NLMT GK Y Q K L S E S QLD A L T A Y L M G L K
UniRef90_H0SJ98 UniRef90_I4YT73	
UniRef90_C5AS97	A T <u>V M P A F R V R P E F P L L T A Q Q V E D V V A Y L T T L K</u>
UniRef90_A7H8L3 UniRef90 UPI00047DC3EB	G F Q N V M P T Y Q G R L S P P E V A A V V E Y I K T L K K P G C L M P A M H L S D R Q N A Q I T A Y L L T L K
UniRef90_UPI000374BD36	I K P G N F M P P T A L A P D D L S A L L D Y L H S L K
UniRef90_UPI000475C7D9 UniRef90 H8GUJ0	G R A R NL T E A V M W F E N L S K A D R D A L L A F L K S L R T P N R T L G A V M P A A Q I S D Q Q V A D I Q A Y I K T L Q
UniRef90_A0A015NYR5	K P G N Q M P K I I D IL IT E Q E IL IA G II IS K Y IL IA E Y K
UniRef90_Q01R98 UniRef90 I9BQN0	N K P G T H M A T V P I R P A E M Q P L I D Y L E S L K G Y P P L M P K T V L S D E E V A A L V G Y I Q S L
UniRef90_A7ZBK3	K F N D E H P Y P M T A F M G A G N A E I A D I V A Y L K
UniRef90_A1ZL70 UniRef90_A7BTU1	KFNDEHPYPMTAFMGAGNAEI ADI VAYLK GDPYAVNKTAMQSFNLSDEELKNIFAYVQAYK GDPPHYRNLTMPTLNLSETEARDVLTYIE SPQTAMPNSGISEREARDLAAYIYS GFEDKKSKKAMPTYYLSEDELSALISYLKTLR
UniRef90_W6S2L0	SPQTAMPNSGISEREARDLAAYIYS
UniRef90_UPI000381AC60 UniRef90_B4DA33	GFEDKKSKKAMPTYYLSEDELSALISYLKTLR GYPDNLMPTYQ GQLGEEEVMELIGYLKAL
UniRef90_W4T517 UniRef90_E6PY66	GYPDN MPTYQ GQLGEEEV MELIGYLKAL IFEKYNKTEMLQFPNLTEKDIDDILAF KPGSLMPAMHLNNHDLDAVTAYLTTL
UniRef90_D0D4Q2	G D G Y G K A P S G P L E P L L S A Q D V E D V V A F L M T L Q
UniRef90_UPI0002FB722E UniRef90_UPI0003B55CB1	G D G Y G K A P S G P I E P I L S A Q D V E D V V A F L M T L Q G W E P I M Y G T E G A N A L S E D D L V K V I A Y I K S L R K P G S L M P A M H L N D H E L D V I T A Y L T Q L
UniRef90_J0UVI4	SANSAMPAIGIISEAEARDILVIAYILI
UniRef90_F2NN01 UniRef90_UPI0004075A16	G F P P N V M P Q D F A Q K L S T E Q
UniRef90_I8AGV9	I K P G N N M P K L N L Q D D D I E A V A D Y L L K M K
UniRef90_L0EAT3 UniRef90_UPI00047C42ED	LKPGNLMPKVELTQEELEGIARYLADYK LKTSAVKSMKMQADGMTQQELVDLVEYLMTLK
UniRef90_D3S2G0 UniRef90_D2QS47	PENIAKY GVK MPDLGLSEEEAVKI I EFLS QF GDAYANQKVQMSFPNLT DADIDGI LAYI TVMPAFFRNRPEFAGKSAAQVEDV I AYLKTL
UniRef90_I2QQX5	TVMPAFFRNRPEFAGKSAAQVEDVIAYLKTL
UniRef90_A6GFM7 UniRef90_W8X419	GY I POMPS FA GQI IN DEQLINALI IA YI K SILK
UniRef90_H5SRN7	GYPPHVMPSY DALIDEADMKAIVAFLRSL DFQNVMPSYEGRF TDEELQAFIEYIKSLR
UniRef90_K9ZX58 UniRef90_UPI00046A696E	VIFEENNKAVIMTAFPQLISNEDII DNI I IAY
UniRef90_I4A0Q0	VY E E N G K VA M T P F P N L T D Q Q L D D I L A Y
UniRef90_F5SFX3 UniRef90_UPI000471B78A	R Q H Y Y P A F P Y P S Y T A I S V D D I S D L Y A Y L K T L Q
UniRef90_A0A024BCR1 UniRef90_E0UR13	D S I K P G N K M T Y P K L S D A E T D A L Y E Y L K G L K
UniRef90_W0JA31	NKMYVGĽKGMDGYVTLDDDĎEÁRAĽVÁYLHSĽK
UniRef90_D0LN58 UniRef90_M5T4U1	G F Q P V M P S Y K G O I S D D D I F S I I A Y I K S I R
UniRef90_D7A6W1	TERVKPGVRMPFGMLPGADIEAI AAYLGSLK
UniRef90_D1CES9 UniRef90_A9ARK0	GYNPII M PSYQGRL SDDQILKAII LAYII KSL K HAQQII KPQT LMPSFAL APRDADDII AAYII ATII
UniRef90_A9E868	TESEKPEVAMPSYDHI APEDERAL VAYLKGL
UniRef90_U1X0Y9 UniRef90 UPI000479DAD9	GYPPHVMPSY DALL DEADMKALVAFLRSL R F T DEEL QAFI E Y I K S L R S L MPAYR N V QT GK S L L S E Q D L D D L E A Y L L T L K V F E E N N K A V M T A F P Q L S N E D I D N I I A Y V Y E E N G K V A M T P F P N L T D Q Q I D D I L A Y D Q I V A P A F P Y P S Y T A I S V D D I S D L Y A Y L K T L Q D S I K P G N K M T Y P K L S D A E T D A L Y E Y L K G L K F D P A K G Q M H P M P A G G D I D Q E V A D M V A Y L Q S I N K M Y V G L K G M D G Y V T L D D D E A R A L V A Y L H S L K G F Q P V M P S Y A G Q L L S A P E I A A I V A Y L K S L R G Y Q P V M P S Y K G Q L L S A D D D I E S I I A Y L K S L R G Y Q P V M P S Y A C G Q L S D D D I E A I A A Y L G S L K G Y N P I M P S Y A C G R L S D D D I E A I A A Y L G S L K G Y N P I M P S Y S Y L S D Q D T E D L I A Y L K G L K G Y N P I M P S Y S Y L S D Q D T E D L I A Y L K G L K G Y N E Y S K A Q M T S F P N L S D D D I K G I F A Y I T E S L K P E V A M P S Y D H I A P E D L R A L V A Y L K G L K G Y N E Y S K A Q M T S F P N L S D D D I K G I F A Y I T E R C G G T T M M P N L P L T K D E I G Q L I A Y L K K L K C K M N F G L P K F Q D R V D I V H F L R D L N L M P D V A T L N N G E K L S D Q E L D A L A A Y L K K L N L M P D V A T L N N G E K L S D Q E L D A L A A Y L M K L N M S M P T G L N M S M P
UniRef90_UPI00035E36AC	RTAMPVTGVSEVQARDI AAYLYT
UniRef90_I4WTZ7 UniRef90_F5Z8I8	IKPGAKMPMSQLEPEELISNLLIDYLQSI
UniRef90_J4CDW1	KII G MN F GLPK F Q D RVDI VH F L R D L
0111110130_01 100031713021	A DILK ALN MSSMPTGLINQQQMADLIAYLK
UniRef90_A0A022GUI3 UniRef90_UPI00047B8CCB	G F G P L M P K M P L S E E E V S A L V A Y L R G Y E F Y N K S V M T A E P O L S E G D L D N L L A Y
UniRef90_I0HYU5	N Y P A NVM P A N Y G E LL S T E ELA DL VA Y LL S L
UniRef90_I5CVW0 UniRef90_UPI000468AFF0	NLMPDVATLNNGEKLSDQELDALAAYLMGLADLNNSSMPTGLINQQQMADLIAYLKGFGPL MPKMPLSEEEVSALVAYLRGYEEYNKSVMTAFPQLSEGDIDNIIAYNYPANVMPANYGE LLSTEELADLVAYLLSLHAQQIKPDSLMPSFTLNMQDAAALSAYLATLGNAYTGKAADDTFGLLSAQQIEDVVAYLTTLK
UniRef90_UPI0004773733	
UniRef90_UPI0003620F07 UniRef90_Q49128	GNNQYNMTMPALPDMQDEQKRADMIAYL GEKRPSLSFEMKPFEMSERERRDLVAFLETLK GYDPLMP SYGHLTEDELQAMVDYMHTL
UniRef90_C7LU08	GYDPIMP SYGHLITEDELQAMVDYMHTL

UniRef90 Q1H1C0	1 10 20 30 40 KGRQVFLRCAMCHAIGTTALASVAPDLTHI
UniRef90_UPI00036CE060 UniRef90_Q5LRM5	DPALAEVEKTQCLSCHAVGDQGGP LGPNLTGIGNRETEGDAARGALVFAACASCHAAGAEGEAKLVLAGGEGFASPFDVQRGRALVQRCAACHLIPRWPQGRLGPDLITHE
UniRef90_A0A031JJZ0 UniRef90_Q7M452	DVQRGRALVQRCAACHLTPRWPQGRLGPDLTHF GGSDGVGPNLYGTVG DREPGQVLFKKCAPCHTVGVG DRIGPDLLDVTVKR
UniRef90_S3HAE8 UniRef90_Q0FTD4 UniRef90_M4IK11	GDPAAGERVFAGCASCHAPDASGEDKLVLSGGQRFASDY VVGRTA
UniRef90_D3UGP6 UniRef90_Q2S8A0	GDPKKGKELVQNCTACHGIKSQG DPAKGFQVYKRCMHCHQINGQGAAKLGPDLNQPM
UniRef90_C7CBM7 UniRef90_X7F369	GDAASGAKVVGNCLGCHQITESFHGEVGPSLDGVASR GDVAAGAELMNKCIACHKVT GDPEKGREIAGNCISCHAAEAYA
UniRef90_A3VJS1 UniRef90_UPI000463BE28	G D PIVIR A P NIL LIR R C G G C H T II IR A G A D G K IVIA A P II IQ D II IR F
UniRef90_A8LJJ9 UniRef90_E6QL43	GDAEAGEAVFAGCASCHAA PGASGEARLVLAG GQRFA AQNGERIFASCNSCHN GRPDARGPNLANV DAKRGFALFAGCAACHSTDDLGRGKFAPPSVTAMRYAF
UniRef90_B7L1U1 UniRef90_B5JGK3 UniRef90_E1IGZ6	I E R G E E I F N R C Q A C H I A P T Y A D G R K H D L G L R A S A T K G E Q L F N N C V A C H Q D S G L G L G P R L R G L Y N R Q V
UniRef90_A3X8I1 UniRef90_B0SE55	GDAASGAILLIAGN <mark>CI</mark> VIACHQILITAILIAD VIPEHGEILIGPSILID
UniRef90_J2WU93 UniRef90_UPI00042121FF	A DLGKVLFAQCASCHSID GSRVVGPTMKGLFGSER EKGRLLVEKCGACHSQDGSAS GDVANGKALFNSCAACH KPYSKSIGPALNGVSDRRR VRAGQSLFTQCFACHTENHAGSATVGPDLN MPM
UniRef90_M4UKF2 UniRef90_X6KYI6	G D A E R G M QIVIF S Q CIVIA C HIV VIA Q Y P Q G E IVIG P PIL IS GIVIG G Y R S
UniRef90_H0HV19 UniRef90_A3TXK4 UniRef90_A0A017TFH6	I ANGCPACHTVGTEATGAVGPDLSHV GDAARGEVIFGGCASCHAA PGAKGEGEDRLVLAGGRPF
UniRef90_UPI0003B4DBE6 UniRef90_UPI0002E210D4	DADEARGRAV FENCAECH QV VGLGAFRVAST FEREREH DR GKQLFQQCFACHSI GDLGGVK GPALSDLGNASF GDLERGRVALT QCQSCHRI PGGPAT DVGPRLD DAEAGEQVFAGCASCH VAPGAEET DAPSLA GGQAF
UniRef90_S9QCl3 UniRef90_E5WDF0	DAEAGEQVFAG <mark>C</mark> AS <mark>CH</mark> VAPGAEETDAPSLA GGQAF AQAGQEVFNNCIIGCHAVTPPEAARLAPNLTNFGD
UniRef90_L0NIL7 UniRef90_UPI0002D2760D	A Q A G Q E V F N N C I G C H A V T P P E A A R L A P N L T N F G D A S E G H A L F L R C G A C H A I D G T A Q G R I G P N L T A F C G A C H R I P G L G A G V A G P A L N G I
UniRef90_F6C436 UniRef90_M5U166	K P D Q A A G Q A L F S G C A A C H R V G T D A R G T I G P D L T H V G S R H S G D S E T G E K I F L S C V R C H K V D R A G G E V G P N L T V I G K T R D V E R G E K L F T A C A G C H A D G G S Q V V R A P D L T G L W
UniRef90_K9HU62 UniRef90_T0HRG6 UniRef90_E0XRB9	VERGEKLFTACAGCHA DGGSQVVRAPDLTGLW GQAARGAQLFQGCGACHRIAGTEANGAGPDLSHV ELGAKLYTKCNTCHTLDGSALVGPSY
UniRef90_E0XRB9 UniRef90_F7ZJW9 UniRef90_L7UHC7	G D P A N G R II I V IG N C IV IA C H O IV IS D II IA D IV IP WH G F II IG P M
UniRef90_Q5WFD2 UniRef90_A6CEW9	NAFAGYFAFQF <mark>C</mark> IIS <mark>C</mark> HAIIG GQGMATGPAIITNF
UniRef90_A9ALH1 UniRef90_Q89PG9	VERGEALFLQCGACHTIGTEADGKIGPDLTHIGSRSS DPARGQRLFTQCLACHRIDGAGSSHAGPDLNA PM GNPDAGKKVFGNCLACHQVTSLKHGEFGPSLDGVAGR
UniRef90_UPI00046E9A95 UniRef90_UPI000248FCB2	A INGRSLYENCAS CHSVNGRGTENGPPFLHKVYESSH QADAAKGKELFNSCAACH KRYKKATGPALYGVTERHS
UniRef90_A0AZK8 UniRef90_Q0F963 UniRef90_G2PJ26	DPARGQRLFTQCLACHRVDGAGSSHAGPDLNT PMGDPVAGKKVLGNCLACH VNDDAS AENGKKVYQMCLACHRI GKKFLGPPPNGLLERR
UniRef90_B8KN67 UniRef90_UPI0003625E1C	D A Q R G K A L Y G T <mark>C</mark> A A <mark>C</mark> H A V D A G G G D A A N G K Q L F Q N C A A C H A L N
UniRef90_UPI0001D2F3DB UniRef90_F8EJP6	Q A D A A R G R R L A E Q C V T C H S T D G S P G A G P S W K G L A G Q E A G N A A N G Q K V F A N C A I C H Q I N G E G N D F G P K L S E I G S K K D
UniRef90_G0J0N8 UniRef90_J2WC74	K G D P V K G K A I F Q K C K A C H S I S A D E A M K G P E K G R Q L V E K C G A C H S Q D G S S S L G P G W K G L D A A K G E I I A K R C A T C H V T A P D Q T T S N
UniRef90_B8EME5 UniRef90_Q89HT1 UniRef90_U1JQX9	DPANGQELIFNACSSCHAV PNQPDRLRLGGGGLALGSPF
UniRef90_UPI00037E174E UniRef90_UPI000479000C	GDPKKGEKÜFKTCÜACHEID GKGEVFGPDISRIASKVN DVGAGAAIFQKCTSCHAII GKVVIGPALKGVNDRH
UniRef90_Q3JDQ5 UniRef90_A3ZRW8	D G D A E A G K A K S A T C A A C H G P D G N A P V N I Y P G D P K K G E K L F K T C L A C H E I D G K G E V F G P D L S R I A S K V N D V G A G A A I F Q K C T S C H A I G P D L T G Y E R K N L D Y I V D P S A A K R G F E V F A G C S A C H S G W N F T D N K F H D I G D E D M E G N I D N G L T I F K R C S V C H Q V N E I G L D F G P K L S E I G S K L P K G D A T R G E A V F T E C V L C H A L D T E F Q G S V G P D L T L V G A R V A L G R E L A Q S C T A C H S T D G S P G V G P T W K A M I G K T E G L A A S G E K L F T N C A A C H G T N A A G N D G A G P P L V H I I Y E P S R G A S V F Q V C G S C H R V G T E A R G R A G P D L T H E A E R G Y N L F M Q C A S C H R V G T P A G G V S G P D L T F F G M W E A
UniRef90_B3Q4F4 UniRef90_U5C3L6	AKRGFEVFAGCSACHS GWNFTDNKFHDII GDEDM EGNLDNGLTI FKRCSVCHQVNELGLD FGPKLSEI GSKLP
UniRef90_UPI0003699432 UniRef90_UPI000378D013 UniRef90_E0MIU0	VALGRELAQSCTACHSTD GSPGVGPTWKAMIGKTE
UniRef90_T0ITM9 UniRef90_UPI000379B8CB	RGASVFQ <mark>VCGSCHRVGTEARGRAGPDLTHFA</mark> VMRGRQIFENCVLCHTIGTGAAGTTGPDLTHCA
UniRef90_UPI00034AB35F UniRef90_UPI0004654D69	GDAQRGERLYRN <mark>C</mark> SS <mark>C</mark> HG DRGEGN
UniRef90_I0JM13 UniRef90_UPI000364E6A7	
UniRef90_S5SQN2 UniRef90_A0A011VNZ3 UniRef90_A5FJF1	GDAGRGRUVFAACASCHA SPGQPDRFRUGGDUALASPYGNAERGURIFHACASCHAA KGAEGEARFQUAG GVEURGDPVKGKEUFNNCAACHKUDA KSTGPALRGVAS KHEGDAARGKEAFRGCMACHSMGEGAGGTFSANLRWYHNPRQ
UniRef90_A3FJF1 UniRef90_Q01YB9 UniRef90_H8GUT0	E G D A A R G K E A F R G C M A C H S M G E G A G G T F S A N L R WV H N P R Q A A G Y A L F M Q C A A C H R V G T P A G G V S G P D L S F F G T R R T
UniRef90_I3QFY0 UniRef90_A3T210	A A G Y A L F M Q C A A C H R W G T P A G G V S G P D L S F F G T R R T K G D V E N G L E L F K K C T A C H S L E L E K K M G P A L H G V T K K R D L A A G E T L Y A N C A S C H G A E L E G Q P D W R R R L D N G R M P A P G D A T Q G Q R L A E S C L A C H S V D G S K G V G P S W Q G L
UniRef90_J2WLL3 UniRef90_UPI00036E00B7	IVIA (J (3 K K II IY (J () (A A <mark>(, f</mark> (3 A N II F (3 () F)
UniRef90_C0BHW8 UniRef90_E6PQL1 UniRef90_A6UMP6	DAAAGKKLFNNCAACHKINKRA VGPALKGVSA ADTGKAIFQRCAQCHTI GGGKLVGPDLKDIEASRK
UniRef90_A6UMR6 UniRef90_UPI0004113975 UniRef90_S4Y9R7	KRGMDI FRPCVMCHQI GTAAAGKVAPDLTHI DAVEGKKI FANCSACHSLETD VVGPALKDVHKRRD AARGRELYKGCGTCHAFTGAAG
UniRef90_UPI00036A6EB3 UniRef90_A3HUH7	I E A G K V L F Q N C S T C H N F N Q S A I G P N L S G L T R K V E D L A N G R H V F L A C A T C H A T P G Q E D D T V L G G G R V L D T Q F
UniRef90_D0CYZ0 UniRef90_A9DAG8	DLANGRHVFLA <mark>C</mark> AT <mark>C</mark> HA TPGQEDDTVLGGGRVLDTQF EASAEAGELLFGGCAS <mark>C</mark> HAAGSEGDAKL <u>VL</u> SGG <u>V</u> RLESDF

UniRef90_Q1H1C0 UniRef90_UPI00036CE060 UniRef90_Q5LRM5 UniRef90_A0A031JJZ0 UniRef90_Q7M452 UniRef90_S3HAE8 UniRef90_Q0FTD4 UniRef90_M4IK11 UniRef90_D3UGP6 UniRef90_Q2S8A0 UniRef90_C7CBM7 UniRef90_X7F369 UniRef90_A3VJS1 UniRef90_UPI000463BE28 UniRef90_A8LJJ9 UniRef90_E6QL43 UniRef90_B7L1U1 UniRef90_B5JGK3 UniRef90_E1IGZ6 UniRef90_A3X8I1 UniRef90_B0SE55 UniRef90_J2WU93 UniRef90_UPI00042121FF UniRef90_M4UKF2 UniRef90_X6KYI6 UniRef90_X6KYI6
UniRef90_HOHV19
UniRef90_A3TXK4
UniRef90_A0A017TFH6
UniRef90_UPI0003B4DBE6
UniRef90_UPI0002E210D4
UniRef90_S9QCI3
UniRef90_E5WDF0
UniRef90_LONIL7
UniRef90_UPI0002D2760D
UniRef90_UPI0002D2760D
UniRef90_M5U166
UniRef90_M5U166
UniRef90_K9HU62 UniRef90_K9HU62 UniRef90_T0HRG6 UniRef90_E0XRB9 UniRef90_F7ZJW9 UniRef90_L7UHC7 UniRef90_Q5WFD2 UniRef90_A6CEW9 UniRef90_A9ALH1 UniRef90_Q89PG9 UniRef90_UPI00046E9A95 UniRef90_UPI000248FCB2 UniRef90_A0AZK8 PEPSKEKREPES UniRef90_Q0F963 UniRef90_G2PJ26 UniRef90_B8KN67 UniRef90_UPI0003625E1C Y P S A GVS F G T I G I V S S
F M G Q I G S I M S
Y G R T E Q L V D G T S V Q V D
T E A P S F A S I A A R T T S
I S P D A A D G I G R W S
Y K Q L K E F K L G M T S G G UniRef90_UPI0001D2F3DB UniRef90_F8EJP6 UniRef90_G0J0N8 UniRef90_J2WC74 YG T GTFYVPNIS GQHADYIY A UniRef90_B8EME5 UniRef90_Q89HT1 GTFYVPNISPD AADGIGRWSETEFVSAVM RGVSPEGQHADYIY KQLKEFKLGMTSGGSE

A

DWVTSWLSNPKNY

DEAWLIKWTKNAPAMIAS

AFQANRSPDKAYRTPPLSGIFVREKGLFIKDENKKGQFFHD

AIREEYTNFRVLLVDGRSGFVREQDDNTILENPKLVIPR

GRFKIDPSSPNQHAFKRGPYMHDGSLKSMDEVIAHYESG

KEAQYFGYEGYMVKLKDGGIISSRTETDDDLKMPGGTVTP

LSEGQVRLRIA

DAQRLWPETVMPSYYRAD

GSSVTVDEAYLKESILAPGVKVVE

HHGDMAF

QLAVKNGVRQHHW

SRRSIIAAGTLPMSRGGIQGWLAQPQAL

SRTTLAAGTLPMSRGGIQGWLAQWITDSQ

MTPRHWEETEVAQSAKTEKQYSPAQALHEWIKNSPRVKPG

TFPDFTQCSATT

AEPNAAW

GNREKLAGILEPSKENLVNWIVHP

GIFRVPNISPDPEAGIGSWSVADLANALISGVSPSEQHYY

TPFGTFVAPNISQDASDGIGNWTLDDFAAAAML

KAVIVH

GSRMPA

PPHDASGHTWHDRNLFILVKRSVKAV

RSAPYCAFEKTAEDYARKGMPYVFD

LEHSKCPNDG

GRMPA

PPHDASGHTWHDRNLFILVKNSPQRVICRDS

KYDKEWLYSWIKNSPQRVICRDS

CHTWHDRNLFILVKNSPQRVICRDS

CHTWHDRNLFILVTKKGGVGAIVVK

GRMPA

PPHDASGHTWHDAVLFALTKN

GLEHSKCPNDG

CGRMPA

PPHDASGHTWHDAVLFALTKN

GLYAGWIKNSTEMIQSGDPT

AKE UniRef90_Q89HT1 UniRef90_U1JQX9 UniRef90_UPI00037E174E UniRef90_UPI000479000C UniRef90_Q3JDQ5 UniRef90_A3ZRW8 UniRef90_B3Q4F4 UniRef90_UPI0003699432 UniRef90_UPI000378D013 UniRef90_UPI000378D013 UniRef90_UPI000378D013 UniRef90_TOITM9 UniRef90_UPI000379B8CB UniRef90_UPI00034AB35F UniRef90_UPI0004654D69 UniRef90_IOJM13 UniRef90_UPI000364E6A7 UniRef90_S5SQN2 UniRef90_A0A011VNZ3 UniRef90_A5FJF1 UniRef90_Q01YB9 UniRef90_H8GUT0 UniRef90_I3QFY0 UniRef90_A3T210 UniRef90_J2WLL3 UniRef90_UPI00036E00B7 UniRef90_C0BHW8 UniRef90_E6PQL1 UniRef90_E6PQL1 UniRef90_A6UMR6 UniRef90_UPI0004113975 UniRef90_S4Y9R7 UniRef90_UPI00036A6EB3 UniRef90_A3HUH7 UniRef90_D0CYZ0 GSRLHIAAGTLPNSRGNLAAWIVDPQA
EAWLKKFVKNSTEMIQSGDPT
AK
MEKETRAAVALAPDLRHARDRMEPADLAAWVLDP
GPSWKGIYGTQEDLEDGTSVEVNDAYIKESILNPTAKLA
EWIRGFIKNPQEKID
GVFHMPNISPD KDRGIGDWTLAEFDRALRGPDGLLP
GTFIGPNISPDPQAGIGQWALEDFANAMLKGVSPDGSHY

UniRef90_A9DAG8

```
100 IC IE ED CAPE IN THE IC IS 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               110
- L S L E
- A N I K
- I T L
Y T L
E T L K
A T
L T L
UniRef90_Q1H1C0
UniRef90_UPI00036CE060
UniRef90_Q5LRM5
UniRef90_A0A031JJZ0
UniRef90_Q7M452
UniRef90_S3HAE8
UniRef90_Q0FTD4
UniRef90 M4IK11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UniRef90_M4IK11
UniRef90_D3UGP6
UniRef90_Q2S8A0
  UniRef90_C7CBM7
UniRef90_X7F369
UniRef90_A3VJS1
  UniRef90_UPI000463BE28
UniRef90_A8LJJ9
  UniRef90_E6QL43
UniRef90_B7L1U1
UniRef90_B7L1U1
UniRef90_B5JGK3
UniRef90_E1IGZ6
UniRef90_A3X8I1
UniRef90_B0SE55
UniRef90_J2WU93
UniRef90_UPI00042121FF
UniRef90_M4UKF2
UniRef90_H0HV140
UniRef90_W4UKT2
UniRef90_M4UKT2
UniRef90_A3TXK4
UniRef90_A3TXK4
UniRef90_UP10003B4DBE6
UniRef90_UP10002E210D4
UniRef90_E5WDF0
UniRef90_E5WDF0
UniRef90_LONIL7
UniRef90_UP10002D2760D
UniRef90_M5U166
UniRef90_M5U166
UniRef90_M5U166
UniRef90_T0HRG6
UniRef90_T0HRG6
UniRef90_T0HRG6
UniRef90_T7ZJW9
UniRef90_T7ZJW9
UniRef90_T7ZJW9
UniRef90_L7UHC7
UniRef90_Q5WFD2
UniRef90_Q5WFD2
UniRef90_A6CEW9
UniRef90_A9ALH1
UniRef90_Q89PG9
  UniRef90_Q89PG9
UniRef90_UPI00046E9A95
  UniRef90_UPI000248FCB2
UniRef90_A0AZK8
  UniRef90_Q0F963
UniRef90_G2PJ26
     UniRef90_B8KN67
     UniRef90_UPI0003625E1C
  UniRef90_UPI0001D2F3DB
UniRef90_F8EJP6
                                                                                                                                                                                                                                                                                                                                                                    GY AK GWMS GALP GKPLIES LLAD DELAD D
UniRef90_G0J0N8
UniRef90_J2WC74
UniRef90_B8EME5
UniRef90_Q89HT1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S Q R K S Q R K S Q R K Y L K S L L K K S T L L Q R T L L Q R T L L Q R T L L Q R T L L Q R T L L Q R T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T L Q G T 
UniRef90_Q89HT1
UniRef90_U1JQX9
UniRef90_UPI00037E174E
UniRef90_UPI000479000C
UniRef90_Q3JDQ5
UniRef90_A3ZRW8
UniRef90_B3Q4F4
UniRef90_UFI0003699432
UniRef90_UPI000378D013
UniRef90_UPI000379B013
UniRef90_UPI000379B8CB
UniRef90_UPI00034AB35F
UniRef90_UPI0004654D69
UniRef90_UPI0004654D69
UniRef90_UPI000364E6A7
UniRef90_UPI000364E6A7
UniRef90_S5SQN2
UniRef90_A0A011VNZ3
UniRef90_A5FJF1
UniRef90_Q01YB9
UniRef90_H8GUT0
UniRef90_13QFY0
UniRef90_13QFY0
UniRef90_A3T210
UniRef90_J2WLL3
UniRef90_UPI00036E00B7
UniRef90_C0BHW8
UniRef90_A6UMD6
UniRef90_E6PQL1
UniRef90_A6UMR6
UniRef90_UPI0004113975
UniRef90_S4Y9R7
UniRef90_UPI00036A6EB3
UniRef90_A3HUH7
UniRef90_D0CYZ0
```

UniRef90_A9DAG8

UniRef90_J0LEY4	1	30 40 G VGPSLSHVGNNKG
UniRef90_W6TN60	EGDAIVIKGKAII IEGG <mark>C</mark> II IA <mark>CH</mark> SII	SKGEKMKGP
UniRef90_M1ZDD8	G D P K K G Q E L F E S C Q A C H K L	K G K G E L F A P N L S N L
UniRef90_V4RNH9 UniRef90_UPI00029AC545	AVAGERVEERCHTCH	K G K G E L F A P N L S N L D G L G R N P D V P N L A G R S N G V A T R G P P L A G L F G H E V
UniRef90_C3KMX9	G D P A A G K K L V G Q C A T C H G Q G D P E R G A R R Y R T C A N C H Q Q	D G V G R M P D V P N L A G
UniRef90_UPI000287A5C1	G D P E R G A R R Y R T C A N C H Q Q	G E GLIR A T N G P RIL IA GIL IP D W
UniRef90_H6RGV1 UniRef90_S2KQY0	D G D P V A G K A L F N N C A S C H K L G D A Q R G E R L Y R T C A N C H A Q	D K K M T G P A L R N V E A R L G Q G M P A F N A P R L A G M N D W
UniRef90_W0TQP5	GDAAAGKALYGACAGCHGP	G Q G M P A F N A P R L A G M N D W A G A G D G A A A A L N R G W G L Q E K A L S D D G K T Y L S G
UniRef90_Q1LKE7 UniRef90_T0MDQ4	V A R G R Y L V A H C G A C H T P D V K E G E K I F K K C T S C H K V	R G W G L Q E K A L S D D G K T Y L S G D R K V V G P A L K G I T E T K
UniRef90_A4CHB5		
UniRef90_H2BYE6	G D P V N G K S L F N S C A A C H	K P F S K A L G P A L H K V T D
UniRef90_UPI000367E8E0 UniRef90_D3DFZ9	D P A V A E L L A S Q C L T C H A II V T K G K II V I Q N C M D C H T II	I G N G A Y Y A P DIL T K A WI D P K
UniRef90_I0K4M5	DVAKGKEL FNNCQQCHNT	KPFSKALGPALHKVTD GDQGISLY PDLTGIGSRES LGNGAY YAPDLTKAWLDPK NEVA LVGPGLKGVRQRTP
UniRef90_K2IRM2 UniRef90_UPI00041D5EC9	GNPAEGRI <u>I V</u> GN <mark>CVSC</mark> HA <u>A</u>	T D Y A G T <u>A</u> A S G T G P <u>D</u> L T H L A
UniRef90_I1B0R5	G D A V K G Q R I F G N C V S C H Q I	IT SILIP Q G F IV IG P IV LID GIV IG S Y R
UniRef90_UPI0004630B9F UniRef90_Q46SU8	GDAAEGEKVMTNCVACHQV	S A L D Q G N V G P S L D G V A D R D A G A T V Q A P R L D G L M G R T V
UniRef90_UPI00046A8F02	GIL VIE O G R SIL IA E S CIL IA C H SIV	ID GSPSIVIGPGWIIIGII I
UniRef90_D7ADJ0	VS O G P O V S O C A A C U O T	D GSPRVGPTFKGLWGHQV DLEGQPDWRSPLPSGRLPPP
UniRef90_UPI000475D09D UniRef90_W3RST4	GDAFRGRII I IFAACSSCH	A S P G Q S D PII IKII IG G S M A II I
UniRef90_Q72J19	G E A L Y A T C A S C H G T	E G R G Q A N L F P P L R E N P A L Q D
UniRef90_K6DE07 UniRef90_B9CYY5	A	G Q V S S G P D I T G V I I R
UniRef90_U2Z5U1	G D P A R G E L V F A A C A S C H V E G N A D A G K V A F Q K C T D C H Q I	A P D A E A G D A P V L A R A F V S S F
UniRef90_F5Z7X5 UniRef90_A9IUK7	A G R O A F O A C A O C H T IV	IGTPAAGTII IGPDII ITHIVI
UniRef90_UPI000373CBF6	EHĞKŞÜFNN <mark>C</mark> AĞ <mark>C</mark> HAL	TD EVLVGPGLKGVRERAP GTSHDARLGPDLSREGER
UniRef90_Q1NHI1 UniRef90_A0A017HAA7	A S R G A T L F D A C G G C H A L D G D V R R G A Y L A R A C V A C H T D	GTSHDARLGPDLSRFGER TAAD GPALAG <u>G</u> A PLD
UniRef90_UPI0003B79FB2	KAGEETVKTCLTCHAV	D GLGS D F G P A L D S V D K K L I G P A L A G I T E K R
UniRef90_G8R2B9	D A K A G K S L F N N C A A C H K L G N A E R G K R I F Q A C V D C H S V	D KKLIGPALAGITEKR
UniRef90_A9B789 UniRef90_W4NFB8	A S R G E Q L F Q R C A G C H A V	GTDAHGAQAPDLTHL
UniRef90_L7WBF3	GDAALGEALFKN <mark>C</mark> AS <mark>CHK</mark> L	GTDAHGAQAPDLTHL YKKA VGPALFQVSQ EKSVVAKAGPPLFALVDRPK
UniRef90_Q2VNK3 UniRef90_A8LJ45	G D P A A G R E IV IM A N C IV IA C H MIV	IS D
UniRef90_B0UJY9	ARAGEAAFAP <mark>C</mark> SL <mark>C</mark> HQV	G T A A A G R N G P E L T HV
UniRef90_UPI0002E67BAE UniRef90_D2QGA4	K G D V A R G R A L I S T C I L C H S V E H G R Y L A N H C M H C H S S	RDETK TGPNTAGTEGKTR
UniRef90_G2Z4J0	KGKELFNN <mark>C</mark> AA <mark>C</mark> HKL	RDFTK LTGPNIAGTEGKLR DKD MTGPALRGLSSKVS
UniRef90_UPI00035CCEEC UniRef90_UPI00017455FE	F R G R QIVIF A N C A S C H T A	F G G II IA N A G G R P IV
UniRef90_I4EJ46	QSCADCHG	GEPGVD FGPDLTVFGKTQT DGQGPMFVSPNLTYRNLTNP
UniRef90_UPI0003A495D1	CAACHTT	S G G A P WIVIG G R G F
UniRef90_W8RV65 UniRef90_C1CXA2	NADRGARI AHGCGACHTI EGSAERGYTLFMQCSACHRV EGDPEKGKELFKKCTSCHSI	GTPAAAGAGPDLSFFGTRRT
UniRef90_G7SPZ7	E G D P E K G K E L F K K C T S C H S I	DL EKKMIGPALSGITEKRS
UniRef90_J3AP95 UniRef90_D5RL98	R G Q E L F S G C A A C H T I D P A R G Q E V F T Q C L A C H R L	IA G A G A A F M G P DII IA R
UniRef90_X7F8L4	AATGARLFAG <mark>C</mark> AG <mark>C</mark> H	EEGSDVHAPSLAGLFGREINE RYTGPALGDVTKRR GTAASGQIGPDLTHF VAGADGKVGGELRSLRQ
UniRef90_I6YUU7 UniRef90_UPI0003F95E2C	A K G K E L F T G C G A C H T V	GTAASGQI GPDLT HF
UniRef90_U4QD86	GDARLAPGIFRR <mark>C</mark> TGCHAI	VAGADGKVGGELRSLRQ
UniRef90_S2YME2 UniRef90_A9GFG2	VARGEAL FHDCASCHA	G A QL T T N D S F DV G T G K A
UniRef90_UPI00047E5F57	EGD G G G C H R C A S C H R C	G T E A Q G L T G P D L S H L
UniRef90_A0DNX0 UniRef90_I4B3Z4	GDARLAPGIFRRCIGCHAL EGDVARGEALFHDCASCHAV VARGEALFHDCASCHA EGD GLDLFMKCASCHRI GDLEFGRKMYQACAGCHDL I AKGKELYKGCLACHNV EGNVRRGQAVFKACSACHQI DGDAEKGERIWGNCLACHSL RTFMARCAACHTI	U S U L U U G P A L I R N A F L I R R L I S G A A G G A A P S F K G II Y G K F
UniRef90_UPI000377605E	E G N V R R G Q A V F K A C S A C H Q I	GYVG GQTGPDLTRLGSVRN
UniRef90_B8GUQ1 UniRef90_UPI00037E745E	D G D A E K G E R I W G N C L A C H S L R T F M A R C A A C H T I	PKGHEGGTGPNLSNYGARGL GTLAGGLGPDLSHF
UniRef90_D3NQN1		
UniRef90_UPI0003124D9D UniRef90_K8P9U0	E G D L K V A E S F K Q N C L T C H A I	DN APALGPNLKGFGSREA
UniRef90_M4ZBM7	GDAARGRAL VAECLLCHSP	DN APALGPNLKGFGSREA VGEPRTMLGGGLA EVRFQGDLAPNLAGVGSRAT
UniRef90_K2FLF8	AKDGKKAFEN <mark>CMGC</mark> HAL	EVRFQGDLAPNLAGVGSRAT GNSPAGVGPNLSNF DAEGESKRVLAGGQRFPSDF NEGQTRFGPSLYG GGQGSEQGPTLTNFGD RPYEKGKYKPDATATLDPSG DGGGNKALGPRLSGINDW NGGGAAMQAPNLSGLAAWYM DGNSMIPMNPNLAG
UniRef90_W4HRN7 UniRef90_UPI0003792505	NVHSGEEVFKRCFOCHSV	DAEGESKK <u>VL</u> AGGQKFPSDF NEG QTRFGPSLYG
UniRef90_UPI00036C864A	ANQGREVFEQCLIGCHAL	G G G G S E Q G P T L T N F G D
UniRef90_L0DAC1 UniRef90_Q15V46	K S D P A K G K E L F K G C M A C H S H H G D I D A G K T I I Y O A C A A C H G A	R P Y E K G K Y K P D A I A T L D P S G D G G G N K A T G P R T S G T N D W
UniRef90_I2JKI4	DLVAGKQLYSTCGACHGV	N G G G A A M Q A P N L S G L A A WY M
UniRef90_UPI0000E0DBE5 UniRef90_UPI0002E02EB0	Q G D P E A G K A K S M T C A A C H G G	D G N S ML P M N P N L A G G T T A N <u>G R G G</u> P D L T H L A
UniRef90_D4H6R5	E K G R V I A E N C T G C H S T G D A A R G E R I F G G C T S C H A R	
UniRef90_H0I0C3		
UniRef90_UPI0004711344 UniRef90_UPI000382CB7C	A G E A L F K Q C S A C H A F L A R G R Y L V R A C A A C H T A	DRDA
UniRef90_E8TEF9	GDPQRAAMIRNG <mark>C</mark> GG <mark>C</mark> HEI	DRDA RDA RDA RDGPRLGGITAAAP RDGAPFAGGAKLDSPYGTFY VPGARGTVGPSLQGVVER RYDAQVQANPMLASLQEKYG RGGQRYAGGTPVPTPFGTIY DGSGGLKLSGP DGSGEG AGTGVTLSRERSF DGGAPLAGGYPLATPFGTLY GGNGEGGVAP SALEHGDVAPPLDGVADRWQ
UniRef90_W0DHP7 UniRef90_A0A052J4Q8	VERGRYLAQNCAACHTA	R G G Q R Y A G G T P V P T P F G T I I Y
UniRef90_J9DCV4	A E R G R Y L F A S C A F C H G V	DGSGGCKCSGP
UniRef90_W0TL70 UniRef90_D4E1T0	K G N A A K G K P L Y E K C V R C H G Q	DGSGEG AGTGVTLSRERSF
UniRef90_L7VZ93	R G C K A C H	GGNGEGGVAP
UniRef90_Q5ZQN1	G D P E M G A K A L A N C L A C H A V	S A L E H G D V A P P L D G V A D R W Q

50 60 70 80

F M G Q I G S I M N R E Q I A E S I L K P S A S I S Q

G E K V S A D W V V S W L S N P R D Y

D N A I Y L R A Q L H A F K S G E R R H E Q

K L A D G R T I V A D D T Y L R E S I L R P S S K V V A

E S T I Y L T K E L N A Y R S G UniRef90_J0LEY4 UniRef90_W6TN60 UniRef90_M1ZDD8 UniRef90_V4RNH9 UniRef90_UPI00029AC545 UniRef90_C3KMX9 UniRef90_UPI000287A5C1 RSG

YLERQLQNFRHGVR

LEDEGLDRDWLYKWIRNSSSLIK

YLVRQLHHFRDGIR

NGNGTPGED

ADLAEVIR

TOGLGTWTQDEIFAFLKSGRTKHS

SEEWLIKWIKNSQALIA

TPEWVMNMILAPEKMVK

KYSRDWLNTWIRNSSAMIA

KYSRDWLNTWIRNSSAMIA UniRef90_H6RGV1 UniRef90_S2KQY0 UniRef90_W0TQP5 UniRef90_Q1LKE7 UniRef90_T0MDQ4 UniRef90_A4CHB5 UniRef90_H2BYE6 UniRef90_UPI000367E8E0 UniRef90_D3DFZ9 UniRef90_I0K4M5 UniRef90_K2IRM2 UniRef90_UPI00041D5EC9 UniRef90_I1B0R5 UniRef90_UPI0004630B9F UniRef90_Q46SU8 UniRef90_UPl00046A8F02 UniRef90_D7ADJ0 UniRef90_UPl000475D09D UniRef90_UPI000475D09D
UniRef90_W3RST4
UniRef90_Q72J19
UniRef90_B0E07
UniRef90_B9CYY5
UniRef90_U2Z5U1
UniRef90_F5Z7X5
UniRef90_A9IUK7
UniRef90_UPI000373CBF6
UniRef90_Q1NHI1
UniRef90_Q1NHI1
UniRef90_UPI0003B79FB2
UniRef90_G8R2B9 UniRef90_G8R2B9 UniRef90_A9B789 UniRef90_W4NFB8 UniRef90_L7WBF3 UniRef90_Q2VNK3 UniRef90_A8LJ45 UniRef90_B0UJY9 UniRef90_UPI0002E67BAE UniRef90_D2QGA4 UniRef90_G2Z4J0 UniRef90_UPI00035CCEEC UniRef90_UPI00017455FE UniRef90_I4EJ46 UniRef90_UPI0003A495D1 UniRef90_W8RV65 UniRef90_C1CXA2 UniRef90_G7SPZ7 UniRef90_J3AP95 UniRef90_D5RL98 UniRef90_X7F8L4 UniRef90_I6YUU7 UniRef90_UPI0003F95E2C UniRef90_UPI0003F95E2C UniRef90_U4QD86 UniRef90_S2YME2 UniRef90_A9GFG2 UniRef90_UPI00047E5F57 UniRef90_A0DNX0 UniRef90_I4B3Z4 UniRef90_B8GUQ1 UniRef90_B8GUQ1 UniRef90_UPI00037E745E UniRef90_D3NQN1 UniRef90_D3NQN1 UniRef90_UPI0003124D9D UniRef90_K8P9U0 UniRef90_M4ZBM7 UniRef90_K2FLF8 UniRef90_W4HRN7 UniRef90_UPI0003792505 UniRef90_UPI00036C864A UniRef90_L0DAC1 UniRef90_Q15V46 UniRef90_I2JKI4 UniRef90_UPI0000E0DBE5 DRQLRY YREGVRGAHPAD

QHAKYLAKQLADFKTAALS

SRSTLAAGIFPNERGFLAGWITDARAL

TAVKDGKKVQLKADARYIISSITHPSEYIVD

ETAFGTFVAPNISQDVNDGLAWSREEFANAML KGVSPS

A EWIVKFVSDPKKMIDS

G SNITPDKDHGIGSWSAADFYAALHDGKA P

GYIGASRASPDAMMRW

KVLPRDVYEAVFMNDLNAYLVKGPEYLYNFILEPQKVLP

PDAETGIGGWSAEDFWRALKAPGGRLLY

PGTIYTANITSDRMAGIGWSDAAIARAIRSG

WWMPAALNNPGFQQSASDAMIHD

G SNLTPSVEHGIGRWTKDDFFLALT QGVAPG

KWIGLYNSEVTLSDGSTVIADEEYLRRAIDDPTAQTVK

PEQLRAIVVTAKKEFGPESVMPGFYSLEVGINVRKDLVGK UniRef90_UPI0002E02EB0 UniRef90_D4H6R5 UniRef90_H0I0C3 UniRef90_UPI0004711344 UniRef90_UPI000382CB7C UniRef90_E8TEF9 UniRef90_K0DHP7 UniRef90_A0A052J4Q8 UniRef90_J9DCV4 UniRef90_W0TL70 UniRef90_D4E1T0 UniRef90_L7VZ93

UniRef90_Q5ZQN1

UniRef90_J0LEY4	GYANIM	90 <u>P</u> SFA	100 A.S.L.G.S.S.A.V.∷	110 S D L V A Y L K T Q R
UniRef90_W6TN60 UniRef90_M1ZDD8	G F A T V M	I G D K T Y M (GFI TEETA	AKVV SNIAAY <u>LIQF</u>
UniRef90_V4RNH9		MS II A(Q G L S E E D I	A D L T A WY S S L K
UniRef90_UPI00029A UniRef90_C3KMX9	C545 GYQPLM	PTFD(GOIVIDEEOIL	I IOIL I IA YII IK SIL I
UniRef90_UPI000287	A5C1 RHRDDP	Y Ğ N Q MLE N	MEVDDRAV	A D L A A WY A A L K R D V V A Y L T T L
UniRef90_H6RGV1 UniRef90_S2KQY0	GDDEYN	RAAMTAY	OLLIT NIVIDII I	DNILAY RDVVAYISSL
UniRef90_W0TQP5	GGGTFG	GNAAMPAF	R D F S D D E II I.	A S L I A Y I R S L K
UniRef90_Q1LKE7 UniRef90_T0MDQ4	GDADYN	K SIVIMT S F 1	T DIL IS D D NII I	TAIAAYLKTL KSVLAYIK
UniRef90_A4CHB5	DILLIMEF	NGSPMANO	Q GIL IT E E Q A	R
UniRef90_H2BYE6 UniRef90_UPI000367	E8E0 TEAVK	P G N Q M G Q M	P A L T D S E I M D L T E E E L K L S E D E A	GDILAYVEQPK DALASYLAEQK
UniRef90_D3DFZ9 UniRef90_I0K4M5	$\begin{array}{c} P T \\ C D A V A V \end{array}$	WVRRMPNL	K L S E D E A N L T D G D I	MAVVAYLK KGILDYIDS
UniRef90_K2IRM2	T V MPAF	YKPADLPF	P L L S A Q Q V	E D V V A Y L M T L K
UniRef90_UPI00041D UniRef90_I1B0R5	GDGYTG	KAAOFPOF	DLSADDL LSAQDI	F DIV VIA FILIG TILI
UniRef90_UPI000463	OB9F GNAYTG	KAADDSF	GLLTAEQV GQIDEQDI	ENVVAFLSTLK
UniRef90_Q46SU8 UniRef90 UPI00046A	.8F02 GYA	AMMPAF	FAILISDEEILI	FAILLIA FILIQS
UniRef90_D7ADJ0	G F P P V M	P PY(Q G L S D E E V G V L S D A E I	E E MV E F I R E L K
UniRef90_UPI000475 UniRef90_W3RST4	PAFPYP	SYIVIKMRIVIA	A DIVI.	A DIL IM A Y IL IR T IL I
UniRef90_Q72J19 UniRef90_K6DE07	G G Q T Y N T M T G K	QGLMPSFC	G H IL IS D E E II I.	A A L VN Y L R T D A L A E Y L M G L K
UniRef90_B9CYY5	EYVKSM	F N L R M P N C	Q H M S D Q E	K D I I E Y L K
UniRef90_U2Z5U1 UniRef90_F5Z7X5	R Q P V S M	TRMRNMNI	N V L T V Q E L	R D L V A Y M R A L D L V A Y L Q
UniRef90_A9IUK7	G S Q H I K	PGNGMPF	ORLSGEQL	RAVTHYLESLQ NDLLDYIGTAK
UniRef90_UPI000373 UniRef90_Q1NHI1	DAK	PGARMPF	P Q I S A A D A	Q A A Q Y L K G L K
UniRef90_A0A017HA UniRef90_UPI0003B7	A7 GEPYYP 19FR2	A F P F E F Y A	A G F S D Q D I .	A D L WA A L A T V D N V V A Y L M S L Q
UniRef90_G8R2B9	G D A D A <u>Y</u>	NGSVMAF	^{>} N L S D E D I	DNILAY
UniRef90_A9B789 UniRef90 W4NFB8	G F Q E G I K	MPRDYAQI PDSLMPSII	ALTTSET	N D L I G Y M L T L K A A L S A Y L A T L
UniRef90_L7WBF3	GYNEYG	QQNMNSFE	E QLLS NVDL	D N <u> </u>
UniRef90_Q2VNK3 UniRef90_A8LJ45	S E A E G T I M P S	Y Y <u>K</u> K S G <u>Y 1</u>	Γ <u>L</u> L ΤΑQQV	A D MI D Y L R R L E D V <u>V</u> A Y L M T L
UniRef90_B0UJY9 UniRef90 UPI0002E6	IK STRAF TIMPSV	PGVNMPL\	VRLDPDQL	NTVSAYLEGLK EDIVAYLVTLR
UniRef90_D2QGA4	G H A L F P	VMPYMSYA	A Q M D P S D II	R D I I A Y L R T L K
UniRef90_G2Z4J0 UniRef90_UPI00035C	CEEC GHNLYP	AFPYTSFA	AKMSGEDM	DNI I AY LALYAFLQTL
UniRef90_UPI000174	55FE TTGMKH EGKPLN	SLMFTAM	И G L N A Q A L .	ADI VAYLKS_
UniRef90_I4EJ46 UniRef90_UPI0003A4	195D1 R G P L Y P	VFPYEHFA	W D L T D Q E L A_T L D E A D L	D A L Y A Y L R S L
UniRef90_W8RV65 UniRef90 C1CXA2	A I MPTY	PRTAMPD <u>U</u> DGSKMQKO	GUTEAQA	R D M A A Y L Y T L R E D A A Y L R S L K
UniRef90_G7SPZ7	E Y G N V K	MN SF	P Q L S E Q Q I	D D I L Y F I N A L A D Y L A G L K
UniRef90_J3AP95 UniRef90_D5RL98	WPGQQM	PG FSPA	AVLPEAEL	DALTAYLR
UniRef90_X7F8L4 UniRef90_I6YUU7	G Y E P L M			- ^ \/ ^ \/ D
UniRef90_UPI0003F9	5E2C K	PGNLMPFA	ANLRGEEL	RALAEYLEGLK
UniRef90_U4QD86 UniRef90_S2YME2	NLMPPE	D L P N R N G F	KELTDQEL	TALTEYLMGL
UniRef90_A9GFG2 UniRef90_UPI00047E	G G G D R H	GKT S	S Q L S D A Q I	R K I L E Y L R S V K R K I L E Y L R S V K R A I A E Y L E G L K R H V A A Y L L T E Y L M G L D D L V A Y L E T L R S L A T E Y L M G L E G S L L D Y M O Y L E T L R S L L D Y M O Y L R S L D Y M O Y L D Y
UniRef90_A0DNX0		TNMQF	OG DPRTL	GSI IDYMQYL
UniRef90_I4B3Z4 UniRef90 UPI000377	GYAP 605E VAGRPG	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	и	SSI
UniRef90_B8GUQ1	Y G	P C V K M P E II	GVLSVEDI	
UniRef90_UPI00037E UniRef90_D3NQN1	WPGQQM	PG FDP	A M L S D A D L	DRVVAYL
UniRef90_UPI000312 UniRef90_K8P9U0	4D9D K	PGNTMPAF SFPYGSY ¹	A MLSDADL QLSEEEL HATDNDI	D G I V K Y L A E Y K R D L F A Y I K T L
UniRef90_M4ZBM7	GIL II RIVIG	RAWR DK	I LISAEQII I	E DII VIA YILIA SILIR
UniRef90_K2FLF8 UniRef90_W4HRN7	P A F P Y A	AYTRMA	Y NVS E K E AD Q DV.	A DILIWA F WQTILI
UniRef90_UPI000379 UniRef90_UPI000360	2505	K M P P (GII I IT DE DT.	ANII IMAYII I <mark>H</mark> TII I
UniRef90_L0DAC1	H	PKSLMPN	QÜSMEDS	E A L TE Y L Q G L A N I A A WI L S V
UniRef90_Q15V46 UniRef90_I2JKI4	SSGQ	Q M A A M A K S	M V Q	VINILIA A YII IS QILIK HINILILA YII IE SILI
UniRef90_UPI0000E0	DBE5 GGKDGR	NNA V MNGN	M G L S D Q D M ·	Q D L A A Y F A S
UniRef90_UPI0002E0 UniRef90_D4H6R5	GFDESM	P PY	OYLDDEQI	TALLDYLEALQ KALIEYFNTLK ADLYAFMKTL
UniRef90_H0I0C3 UniRef90_UPI000471	GRHYYP 1344 GDFRAN	A F P Y T S Y A	ARMRPTD V .	A D L Y A F M K T L A H L L A F L K S
UniRef90_UPI000382	CB7C GKRILIYP	SMPYTSYF	RQLTRADA	DAMYAYILIMSIVIK
UniRef90_E8TEF9 UniRef90_W0DHP7	R A R D V D	PNIAMPN] GTMMPPN	I NLSPQEA /MTRPEET.	R D T A Y L A K I T A Y L R S V
UniRef90_A0A052J40	D8 PAFPYT	EYTRMPR	E DIVI	DAILIYAYILIRTIVI
UniRef90_J9DCV4 UniRef90_W0TL70	VLSGRK	V G G M P S F F	KSLT DQEV	RALVAYLRML ADVVAYVRTLK
UniRef90_D4E1T0 UniRef90_L7VZ93	GRHLYP	AMPYTSYŁ	K G M T R Q D S V D L A D K E I	D D I Y A Y L M T D D L I A Y I K D L
UniRef90_Q5ZQN1	<u> </u>	F	L T A Q Q V	E DIV VIA YILIS TILIK
				

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm

jpssm

G M P V K V C A S N I T S D P E H G I G R W T D E E L I R A M R E G R G R G S A E G W E A P A L S A L S N A P V P W S E D E L F R Y L R D G H A P L H G R E N A Q Y L V A K P I P L G G S S G R I T T Y A E L V T S I I N P S H K L T P I P H N P T E Y L R A P A D L L R A F I R D P Q S L R R W L D V E K P G L P S V P L L A D K Y D F H A L A A F L Q D P UniRef90_L7U4I2 UniRef90_G2INU1 UniRef90_G2INU1 UniRef90_B5WSB7 UniRef90_K0D0U5 UniRef90_I4WUB5 UniRef90_UPI000371A724 UniRef90_UPI00017468C3 lupas_21 lupas_14 lupas_28 jnet conf sol25 B B

sol5 sol0 jhmm jpssm

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm

jpssm