QUERY UniRef90_C4LBX3 UniRef90_E8XVP5 UniRef90_G2DT68 UniRef90_UPI0004789736 UniRef90_U4KH05 UniRef90_D7N502 UniRef90_F2PG20 UniRef90_Q1C1J6 UniRef90_UPI000395B8DC UniRef90_UPI000395B8DC UniRef90_UPI00030969E9 UniRef90_Q7MZ14 UniRef90_A6FE77 UniRef90_A6FE77 UniRef90_H2G0D5 UniRef90_B4F2M1 UniRef90_B4F2M1 UniRef90_B4F2M1 UniRef90_UPI000419A461 UniRef90_UPI00037002F3 UniRef90_UPI00037002F3 UniRef90_J7UB41 UniRef90_J7UB41 UniRef90_J7UB41 UniRef90_J7UB41 UniRef90_J7UB41 UniRef90_J7UB45 UniRef90_J7UB41 UniRef90_J7UB41 UniRef90_J7UB490 UniRef90_J7UB41 UniRef90_J7UB490	1
UniRef90_A4BHB4 UniRef90_Q1LTK5 UniRef90_O26938 UniRef90_S3DJZ7 UniRef90_UPl00037DD921 UniRef90_UPl000471DBC1 UniRef90_P96175 UniRef90_E1QQJ8 UniRef90_K2R1L9 UniRef90_B6YXW5 UniRef90_B6YXW5 UniRef90_W2CGJ2	T MA V E A I E N G T V I D H I P A G Q G L N I L S R L Q V R N S Q A  M H Q Y H K L Q V E A I Y C G T V I D H I P A Q V G I K L L S W F K L T A T D E  M K K P F E L R V K P I K N G T V I D H I T A N R S L N V L N I L G L P D G R S  K Q P Q L Q V E A I R N G S V I D H I P A R I G I K L L K L F K M Y E V N E  M S E K Y A R N V E A L K N G T V I D H I P A G L G L R I L D L F E L T S Y G E  K K Q L Q V E A I A Q G T V I D H I P A G T G I K I L R F F Q L A D A S K  K S N H M Q V E A I C N G Y V I D H I P A G R A L L V L R L G I S G R E G
UniRef90_A1RZC6 UniRef90_UPl0003B4ABC8 UniRef90_UPl0003B4ABC8 UniRef90_UJP238 UniRef90_U1P238 UniRef90_B2RL77 UniRef90_B2RL77 UniRef90_B2RL77 UniRef90_A2BJ23 UniRef90_A2BJ23 UniRef90_UPl0003739542 UniRef90_UPl0003739542 UniRef90_A9D3H4 UniRef90_A9D3H4 UniRef90_A1SZR7 UniRef90_U2YVA3	NHKLQVEAI QNGSVI DHI PAQQGIKI KI LKFFKLAQANE LKI EVI PEGTVI DHI PAGKWLKVI EI LGLTKPNG MTE QELRVSKI ENGTVI DHI AGGQALNVLAI LDI DGSGE MTE QELRVSKI ENGTVI DHI AGGQALNVLAI LDI DGSGE MRKIRELKVKPI KNGTVI DHI PAGRALQVLKI LKI PEGKN KKEEMLVAAI ENGTVI DHI PAGRALQVLKI LKI PEGKN KKEEMLVAAI ENGTVI DHI PAGRALQVLKI LGI TGREG MESGSGLLVRRI REGTVI DHI PADKTYVV LKI LGI TGREG KRKELQVAAAI ENGTVI DHI PAGRALL VLKVLGI TGYEG KRKELQVAAALENGTAI DHI PAGRALL VLKVLGI TGYEG MSK MLVEAI ENGTVI DHI PAGRAL KVLKVLGI TGYEG MSK DK MLVEAI ENGTVI DHI PAGRAL KVLKLLGI TETETT KKELLVVRRI SDGTVI DHI PSDKLFKI VALLHLE ELLTT KKQLKVEAI ENGTVI DHI PSDKLFKI VALLHLE KGPQQKKLQVEAI ENGTVI DHI PSDKLFKI VALLHLE AKGPQQKKLQVEAI ENGTVI DHI PSDKLFKI VALLHLE AKGPQQKKLQVEAI ENGTVI DHI PSDKLFKVLKVL AI LGI DGSGE MTEKTELRVSKI RDGTVI DHI PSDKLFKVL KVL KLLGI TERNOG QKKLQVEAI ENGTVI DHI PSDKLFKVL KVL KI LGI DGSGE MTDEPQLRVSKI RDGTVI DHI PAGRAL NVL KLLGI DGSGE MTGKRELRVSKI RDGTVI DHI PAGRAL NVL KI LGI DGSGE MTGKRELRVSKI RNGTVI DHI PAGRGLKVL KVL KI LGI DAGSGE MTGKRELRVSKI RNGTVI DHI PAGRGLKVL KVL LHL DI DGSGE MTGKRELRVSKI RNGTVI DHI PAGRGLKVL KVL LHL DI DGSGE MTGKRELRVSKI RNGTVI DHI PAGRGLKVL KI LGI DGSGE MTDLE RUSKI RNGTVI DHI PAGRGLKVL KI LGI DGSGE MTDLE RUSKI RNGTVI DHI PAGRGLKVL KI LGI DGSGE MTDLE RUSKI RNGTVI DHI PAGRGLK VL KI LGI DGSGE MTDLE RUSKI RNGTVI DHI PAGRGLK VL KI LGI DGSGE MTDLE RUSKI RNGTVI DHI PAGRAL VL KI LGI DGSGE MTDLE RUSKI RNGTVI DHI PAGRAL VL KALLHL HL HELDE
UniRef90_H1P2D3 UniRef90_U2C5N3 UniRef90_C7NXI0 UniRef90_E8LH68 UniRef90_S5ZMD1 UniRef90_R7LDQ1 UniRef90_UPI00036B8FBC UniRef90_UPI0003FC1EC9 UniRef90_UPI0003FC1EC9 UniRef90_F6D6N2 UniRef90_W7YLV8 UniRef90_F4BA17 UniRef90_J9FTV9 UniRef90_F2L370	K K E R L V A A I Q D G T V I D H I P A A K T F Q V A N L L Q L E R L S T K K Q E L Q V A A L E N G T V I D H I P S E K L F T V V Q L L G V E Q M T S M S D D P E L R V S K I R N G T V I D H I P G G Q A L N V L A I I G I D G T G E V S K G K L M V E A I A N G T V I D H I P A G R A L D V L K I L G L S G K E G K R Q E L M V A A I E N G T V I D H I P S N K I F D V I R L L H L D T I T T V E K G Q L R V N A I K N G S V I D H I P S N K I F D V I R L L H L D T I T T T V E K G Q L R V N A I E N G T V I D H I P A E K T Y L V A D L L D L K A S T M K E M Q V A A I E E G F V L D H I E A G K S M S I Y R H L G L D K L D C M K T P K E L K V K P I K N G T V I D H I T A N K A L N V L K I L K L P S K K S M S E K K E L S V S A I E E G T V I D H I P A G R A L A V L N I L G I K G N E N L N I D S L E N G T V I D H I P A G R A L A V L R I L G I T G R E G E L I V S K I E N G T V I D H I P A G R A L A V L R I L G I T G R E G

QUERY JniRef90_C4LBX3	RITIGLN RITVGLN	50 L P S G E M G R K D	60 _	70 D Q V D Q L A L Y A P Q D Q A N Q L A L F A P Q
JniRef90_E8XVP5 JniRef90_G2DT68 JniRef90_UPI0004789736 JniRef90_U4KH05 JniRef90_G9YDZ5 JniRef90_D7N502	R V T V G L N A V T V G F N R I T I G L N R V T I G L N	N		E Q
JniRef90_F2PG20 JniRef90_Q1C1J6 JniRef90_UPI000395B8DC JniRef90_Q5E7U6 JniRef90_UPI00030969E9 JniRef90_Q7MZ14 JniRef90_A6FE77	RITIGLN RVTVGLN RVTIGLN	L PSSALGAKDI L PSSALGSKDI L PSSALGSKDI L PSSALGAKDI L PSSALGAKDI L PSSALGAKDI L PSSALGAKDI	_	D Q A N Q L A L Y A P K Q Q A N Q L A M Y A P D D Q A S Q L A L Y A P H E Q A Q K L A L Y A P H Q Q A N Q L A M Y A P N D Q A N Q L A L Y A P H
JniRef90_H2G0D5 JniRef90_R8ATE7 JniRef90_B4F2M1 JniRef90_UPI000419A461 JniRef90_E1SUK1 JniRef90_A0KQG1		L PSKAL GAKDI L PSAAL GQKDI L PSENL GKKDI L PSENL GKKDI L PSRT QGSKDI L PSSAL GHKDI L KSGAL GKKDI		D Q A N Q L A L Y A P H A Q A N Q L A L F A P E E Q A N Q L A L F A P D Q D A N R L A L F A P B E L A N Q L A L L A P N Q Q A N Q L A L F A P K E Q A N R L A F F A P N
JniRef90_UPI00037002F3 JniRef90_G4CII3 JniRef90_J7UB41 JniRef90_UPI0002DD6B95 JniRef90_X2HED9 JniRef90_M4U2H5	R V T V G F N A V T V G G F N A V T V G G F N A V T V G G F N A V T V V G G L L N A V T V I G A V T I G A	L T S Q D M G H K D I L P S G R H G Q K D I L P S N N M G R K D I L P S S A V G A K D I L S S K S T G S K D I L P S S A I G H K D		E Q A N R L A F F A P N H T A N R L A L F A P E E Q A N Q L G F Y A P K E Q A K Q L A L Y A P Q A A A N R L A L F A P Q D Q A N L L A L Y T Q N
JniRef90_U3U9A9 JniRef90_D2TZX4 JniRef90_UPI00040F95E2 JniRef90_R7U7Q2 JniRef90_UPI0003B31261 JniRef90_R9PF66 JniRef90_C1D9A6	R V T I G L N R I T V G F N R I T V G F N R I T V G L N R I T V G L N R I Y V G L N	L P S N H L G K K D I L P S G N R P N K D I L P S G S G K K D I L P S G R S G K K D I L P S G E Q Q Q K D I L P S R R L G K K D I L P S R R L G K K D I	-	E Q A N E L A M Y A P H E Q A N Q L A L F A P N Q E A N E L A L F A P S E D A N Q L A L F A P D N Q A N Q L A L F A P N E Q A N Q L A L F A P N
JniRef90_V7IB30 JniRef90_UPI0003664E02 JniRef90_F5S5P2 JniRef90_Q7P144 JniRef90_E4NMT8 JniRef90_U6R5Q1	A V T V G F N A I T V G F N A V T V G F N R V T V G L N S V S I G M N R I T I G L N	L P P S S S S G G G G G G G G G G G G G G	K   N G   K L N E - I K   E N A S L T E - I K   K N V Q F S E - I K V E N V A L T E V K V E D R E L S Q - I K I E N T F L T D	A A A N R L A L F A P E D Q A N Q L A I F A P D Q D A N R L A L F S P N E Q A N E L A L F A P K S E V D V L S V I S P E E Q V N Q L A L Y A P Q
JniRef90_UPI0002556292 JniRef90_Q9HHN3 JniRef90_W0JZ13 JniRef90_A4BHB4 JniRef90_Q1LTK5 JniRef90_O26938 JniRef90_S3DJZ7	RVTVGLN RITIGLN KVTVAMN	V		H A P P Q Q N N H A P P P P N R A P P P P N R A P P P P P N R A P P P P P P P P P P P P P P P P P P
JniRef90_UPI00037DD921 JniRef90_UPI000471DBC1 JniRef90_P96175 JniRef90_E1QQJ8 JniRef90_K2R1L9 JniRef90_B6YXW5	R V T V G L N R M T I G L N R V T V G F N R V A L V M N A V T L A M N G V L L A S N	L SSGHMGNKDI L PSH GEMKDI L PSH DGTTKDI VESRKLGTKDI VQSSQMGNKDI VHSKKLGKKDI		G Q A N E L A L L A P K E Q A N Q L A L F A P N S Q A N Q L A L L A P N D E L N L V A L V A P T R E V D E I A L I A P N E E V N K I S L I A P T
JniRef90_W2CGJ2 JniRef90_A1RZC6 JniRef90_UPI0003B4ABC8 JniRef90_Q5JHN0 JniRef90_U1P238 JniRef90_U1P238 JniRef90_E3GWI8	R I T I G N N T I A V V M N N K I T V G L N A S N A V S I G M N K V T I G I N	L K S S K M G H K G V V P S R K L G V K D I L N K K N G L R K D I V P S D R L G R K D V P S D R L G R K D V P S D R L G R K D V P S D R L G R K D V P S D R L G R K D V P S D R L G R K D V P S D R R G I K D V M F S S R M G I K D V M F S D R M F S S R M G I K D V M	/ I K I A D K F F E E V K V E K R F I E P L K V E N T F I S E V K V E G R Y L S E / V K V E D R E L S Q / V K V E D R E L B S	E E V N K I S L I A P T D E I N R I A V V A P N S E V D K I A L I A P S E Q A N Q L A L F A P D M S E L V N K I A L I A P A S E L D V L S L I A P A S E L V D Q I A L I A P K E E L N R I A L I A P N
JniRef90_B2RL77 JniRef90_F8NCS9 JniRef90_A2BJ23 JniRef90_G8UP03 JniRef90_UP10003739542 JniRef90_Z4WRP6	R   T   G   N   P   V   T   G   Y   N   R   A   V   V   M   N   R   T   G   N   N   R   A   A   A   A   A   A   A   A   A		/   K   E D K T F E E	E E L
JniRef90_A9D3H4 JniRef90_B1L384 JniRef90_A1SZR7 JniRef90_U2YVA3 JniRef90_V4Y011 JniRef90_Q0W5I3 JniRef90 H3ZLG5	R L T I G L N V V A L V M N K I T I G L N S V S V G M N S V S V S V L M N T I L I A M N	LPTSSGDFKDI VPSKKLGKKDI LATHTGQKKDI VPSETMGHKDI VPSGRIERKDI VPSGEKIGKDI	_ I KI E H T V F D Q	N Q A N Q L A L F A P K E E V D K I S L I A P S K Q A N Q L A L F A P H A E L D V L S L I A P D A E L D S I A L I A P R E E L D S I A L I A P R E E V N K I A L I A P S
JniRef90_R5ALI7 JniRef90_F9D182 JniRef90_C7NSA1 JniRef90_D8J2L8 JniRef90_R6F5J5 JniRef90_H1PZD3	R M T I G N N Q I T I G Y N T V S I V M N E I S V G M N P V T I G Y N P V T I G Y N	L P S G R L G T K G I L P S G R L G T K G I V P S D R L G K K D I V P S D R L G R K D I Y P S N K I G R K G I F T S N K V G R K G I	KEEKKSSEEPDEQQSEDPEEPQKDEPPEEEQQDDQPPDEDMQDQNPTTTTTTTTASSEESSSSTETSEDSDSSSSDZPTSSTTSKEZITTTTTTASSEESSSSTETSEDSDSSSSDZPTSSTTSKEZITTTTTTASSEESSSSTTSKEZITTTSKEZITTTTTTTSKEZITTTTTTTTSKEZITTTTTTTTSKEZITTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTSKEZITTTTTTTSKEZITTTTTTTSKEZITTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	E E V N K I A L I A P H A T I N R I A L I A P H E E V S K L S V I A P K A E V D V L S L I A P A E E V D V L S L V A P D E E I S R L S V V A P N A E I S H L S V V A P N
JniRef90_U2C5N3 JniRef90_C7NXI0 JniRef90_E8LH68 JniRef90_S5ZMD1 JniRef90_R7LDQ1 JniRef90_UPI00036B8FBC	N   T   G F N   E V S V A M N   H   T V G F N   T   A   V M N   P   M   G Y N   P   T   G Q N   T   G	L D S K K L G R K G I P S D R L G K K D I L R S G E L G S K D I V P S K K L G R K D I L P S S K M G N K S I L R S K R I G Q K G	K	DEI NRI AVVAPR NEVDVLSLIAPA SETEQLAILAPN KEVDEIALIAPT AELNRLSVITPN EELNRLSVVAPN DEISRLSVVAPN DEILSRLSF
JniRef90_G1W9F6 JniRef90_UPI0003FC1EC9 JniRef90_F6D6N2 JniRef90_W7YLV8 JniRef90_F4BA17 JniRef90_J9FTV9 JniRef90_F2L370	P V T I G Y N T V A I I K N A V T I A M N L I T F G T N R V A L V M N R V A L V M N	L		E E I S R L S V V A P N D L N L L A F I D H N R E V D K I A L I A P N R E V E L I A L I A P S L D L D A L G F I D P S D E V D V I S A V A P T

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QUERY UniRef90 C4LBX3	A T V N R I A T V N I I	DNYE EDFK	V V G K S R P S L P E R I D N V L V C P N S N C I S H A E P V V T K H Q L E I P G E I V G V E A C P N S N C I S H R E P
UniRef90_E8XVP5 UniRef90_G2DT68	A T V N R I A T V N V I		V V K K L M P T L P D R I V G V L R C P N G N C L S R F E P V V Q K M L L E L P D T I S E V F R C P N P N C A S H G E P
UniRef90_UPI0004789736 UniRef90_U4KH05	ATVNQI	DQYN	V V R K L H P Q L P E H V H G I L T C P N T N C I S R S E P V V K K L A L S L P E R I Q G V F A C P N S N C I S N F E P
UniRef90_G9YDZ5	ATVNRI	DNYE	
UniRef90_D7N502 UniRef90_F2PG20	A T V N T I A T V N Q I		V V D K R H L T L P D E I A E V F R C P N A N C A S H G E P V V K K L N L S L P D F I S A V F K C P N T N C I S H G E P V V K K L T L S L P E R I D A V L T C P N S N C I S H N E P
UniRef90_Q1C1J6 UniRef90_UPI000395B8DC	A T V N R I A T V N Q I	F D Y Q	V V  K K     T     S     P F R     D A  V    T <mark>C P N S N C  </mark>    S H N F P
UniRef90_Q5E7U6 UniRef90_UPI00030969E9	A T V N Q I A T V N Q I	ENYE	V
UniRef90_Q7MZ14 UniRef90_A6FE77	ATVNCI	ENYE	V V K K I P I N I P K C I D N V I V C P N S N C I S H N E P
UniRef90_H2G0D5			V S K K L K L A L P H E I T A V F A C P N S N C I T H N E P V V E K L Q L Q L P E Q V E G V F S C P N G N C I S H R E P V V Q K R H L E L P E Y I E H V L N C P N S N C I S H S E P
UniRef90_R8ATE7 UniRef90_B4F2M1	A T V N L I	DDYQ	V V  N K M A  L  S  L  P E
UniRef90_UPI000419A461 UniRef90_E1SUK1	A V V N Q I C T V N Q I	ENYE	V V G K M R L R L P D T I S E V F R C P N T N C A S H G E P V V R K L Q L S L P E Q V I G V F Q C P N S N C I S H R E P V V K K H Q L E L P E F I A G V F H C P N S N C I S H N E P
UniRef90_A0KQG1 UniRef90_UPI00037002F3	ATVNVI	RNYE	V V R K L Q L S L P E Q V I G V F Q C P N S N C I S H R E P V V K K H Q L E L P E F I A G V F H C P N S N C I S H N E P V A E K L S L H L P S E V Q G L F R C P N A N C A S H K E P
UniRef90_G4CII3 UniRef90_J7UB41	ATVNVI	EQFE	V V R K M H L K L P D T I S E V F R C P N P N C A S H G E P V V K K L P I N L P E R I E G V I V C P N G N C I S H N E P V V A K L P L T L P D V I L G V F R C P N T N C I T H D E K
UniRef90_UPI0002DD6B95 UniRef90_X2HED9	A T V N Q I A T V N D I	ENYE	V V K K I PI NL PERI EGVI VCPNGNCISHNEP           V V A K L P L T L P D V I L G V F R C P N T N C I T H D E K           V V R K R T L T L P E S I S E V F R C P N S N C A S H G E P           V S E K F Q L T L P E K V N A V F S C P N S N C I T H N E P
UniRef90_M4U2H5 UniRef90_U3U9A9	ATINQI	KDYE	V V R K R T L T L P E S I S E V F R C P N S N C A S H G E P V S E K F Q L T L P E K V N A V F S C P N S N C I T H N E P V V A K I T P V L P D C I E R V L T C P N S N C I S R S E P
UniRef90_D2TZX4	ATVNCI	KDYK	IVIEKKILISII ISILIPEQII IDAIVLI I <mark>C</mark> PNSN <b>C</b> II ISHNEP
UniRef90_UPI00040F95E2 UniRef90_R7U7Q2	A T I N V I	DDYR	V V K K F Q V A L P E Q I T R V F A C P N S N C I S H N E P V V D K F T M A I P K T L R A A F A C P N S N C I T H N E P
UniRef90_UPI0003B31261 UniRef90_R9PF66	A T I N V I	EDFE	V V A K H K L G V P E S I A G V L V C P N S N C I S H V E P V V R K F H V S T P E Q V K A V F A C P N S N C I S H N E P V V E K H K L E L P N Q I E G V F S C P N S N C I S H N E P
UniRef90_C1D9A6 UniRef90_V7IB30	A T V N V I A T V N L I	R N F E T N F K	V
UniRef90_UPI0003664E02 UniRef90_F5S5P2	A T V N L I A V V N Q I	ENFA	V V A K H K L G V P E S I A G V L V C P N S N C I S H N E P V V R K F H V S T P E Q V K A V F A C P N S N C I S H N E P V V E K H K L E L P N Q I E G V F S C P N S N C I S H N E P V E Q K M P L K L P E T I S E V F R C P N P N C V S H S E P V V E K R K L C L P E R I K H I F S C P N S N C I S H N E P V V R K M K L Q L P E S I A E V F R C P N S N C I S H N E P V V K K H K L T L P D A V E G I F S C P N S N C I T N A E P V V G K S R P S L P E R I N N V L V C P N S N C I S H A E P V V G K S R P S L P E R I T N V F K C P N S N C I T N A E P V V D E K R R V D R P D D V V A G V L S C P N P N C I T N A E P V V E K R Q V E R P D R V T G V L R C P N R D C I T N A E P
UniRef90_Q7P144 UniRef90_E4NMT8	ATVNVI	DNFE	V V K K H K L T L P D A V E G I F S C P N S N C I S H N E P V V D K K R V E R P D E V T G V V S C P N R N C I T N A E P
UniRef90_U6R5Q1 UniRef90_UPI0002556292	ATVNRI	DNYD	V V D K K R V E R P D E V T G V V S C P N R N C I T N A E P V V G K S R P S L P E R I N N V L V C P N S N C I S H A E P V V K K R Q L S L P E R I T N V F K C P N S N C I T H Y E P
UniRef90_Q9HHN3	ATINIV	RDYE	V V K K R Q L S L P E R I T N V F K C P N S N C I T H Y E P V D E K R R V D R P D V V A G V L S C P N P N C I T N D E P V V E K R Q V E R P D R V T G V L R C P N R D C I T N A E P
UniRef90_W0JZ13 UniRef90_A4BHB4	A T V N I I	R D Y D E D Y Q	V
UniRef90_Q1LTK5 UniRef90_O26938		A N Y N R D Y K	V EKAK V R L MDE V RG   L R <mark>C</mark> PNPN <mark>C </mark>    TNSDE
UniRef90_S3DJZ7 UniRef90_UPI00037DD921	CTVSVI	ENFE	
UniRef90_UPI000471DBC1 UniRef90_P96175	$\Delta + V N I I$	FNFK	IVIT D K H SILIAILIP K EIVIE NIVIE P C P N S N C ILIT H G E P
UniRef90_E1QQJ8 UniRef90_K2R1L9	A T V N I I A T I N I I	R D Y E R D Y E	V
UniRef90_B6YXW5 UniRef90_W2CGJ2	ATVNI V VVLNI I	R D Y G	VAEKFNVELPDEL VGI LR <mark>C</mark> ANPN <mark>C</mark> VSNHEY VVEKRRVELPDEL TDI IR <mark>C</mark> NNPK <mark>C</mark> I TNNEP
UniRef90_A1RZC6 UniRef90_UPI0003B4ABC8	A I II INIII I	$R \cup E \cup$	IVIA S K R RIVIE P P AIV VII GII I IR <mark>C P N P N CI</mark> VII N S E P
UniRef90_Q5JHN0	ATVNIV	K D Y K R G Y D	V V N K F K V Q L P D A F V G V L A C P N S N C I S H N E P I I E K F N V E L P D E L T G L L K C P N P N C V S N H E Y
UniRef90_U1P238 UniRef90_U1P238	A T	$D \cap V \cap$	N/ N/
UniRef90_E3GWI8 UniRef90_B2RL77	ATINII VRLNLI	RDYE	V V K K E K V Q L R D E I E G L I K C P N P N C I S N A D E V V E K R Q V E V P H E I V G L V R C P N P K C I T N N E P
UniRef90_F8NCS9 UniRef90_A2BJ23	I V L N T I A T I N I I	H N Y G H D Y R	V
UniRef90_G8UP03 UniRef90_UPI0003739542	V V L N I I A T I N I V	R D Y E R D F N	
UniRef90_Z4WRP6 UniRef90_A9D3H4	VHLNVI ATINVI	R D Y Q E N F E	V V K K E K V Q L R D E   E G L I K C P N P N C   S N A D E V V E K R Q V E V P H E I V G L V R C P N P K C I T N N E P V V E K K R V E T P E E L R G I I K C N N P K C I T N N E P V V A K R R V T V P D E L I D I I R C N N P K C I T R N P P V V E K K C V R L P D E L I D I I R C N N P K C I T N N D P V V E K R N L R L P E I I K G L L K C P N P L C V T N N D P V V E K R K V T L P V E V R G L V R C P N P K C I T N A E P V V D K F R V A I P E S I S G V L T C P N S N C I S H N E P V V D K F R V A I P E S I S G V L T C P N S N C I S H N E P V V D K F R V A I P E S I S G V L T C P N S N C I S H N E P V V S K P R V A I P E S I S G V L T C P N S N C I S H N E P V V S K P R V A I P E S I S G V L T C P N S N C I S H N E P V S R P R V S R
UniRef90_B1L384 UniRef90_A1SZR7	A T I N I I A T I N Q I	R N F E K D F K	VASKRRVELPRRVVGI LRCLNPNCVTNAEA VVNKFQVQLPDSFI DVLACPNSNCI SHHEP
UniRef90_U2YVA3 UniRef90_V4Y011	ATVNIV	RDYE	V V N K F Q V Q L P D S F I D V L A C P N S N C I S H H E P V A E K T Q I E P P E Q V T G L L T C P N R H C I T N A E P V V H K T R V Q R P T S V T G V L E C P N H S C I T N A E P
UniRef90_Q0W5I3 UniRef90_H3ZLG5	A T V N I I	RNYE	V VIGK H R V D P P R E V S G L V R C G N P N C I S N N E P V M E K R K V E I P D E I T G I I E C A N P N C I T H Y E E
UniRef90_R5ALI7	ARVNTI	RDFE	V VEKROVEL PDMI VGI VRCANPKCI TNHEP V VEKRTVET PDEL HGI VKCNNPKCI TNNEP
UniRef90_F9D182 UniRef90_C7NSA1	ATINII	RDFE	VIEKKIVEIPDELHGIVKONNPKOIINNEP VIEKRVARPDEVVGVLSCPNPQCITTDEP
UniRef90_D8J2L8 UniRef90_R6F5J5	ATI NI V VVLNI I	HDYE	VAEKHRVERPEEV YGV LSCPNANCI TTEEP VYEKKTVKTPDELRGI VKCNNPKCI TNNEP
UniRef90_H1PZD3 UniRef90_U2C5N3	A V L N I I V Q L N I I	H D Y E R D Y E	V
UniRef90_C7NXI0 UniRef90_E8LH68	ATINIV	R D Y E R E F D K D Y K	V
UniRef90_S5ZMD1 UniRef90_R7LDQ1	ATINIV	K D F R R D Y E R E Y E	V LEKRRVQVPGEIKGLLRCPNPNCVTNTEP VAEKKCVTLPDEILGIVKCANPKCITNNEP
UniRef90_UPI00036B8FBC UniRef90_G1W9F6	V   N V	REYE	V VEKKHVILPDDI <mark>C</mark> GL VR <mark>C</mark> PNPKCI TNNEP V VEKKMVETPQV LRGI VRCNNPKCI TNNEP
UniRef90_UPI0003FC1EC9	T V N V I	KDGE	I VEKGKVNL LDEI NNI LECPNPNCI TNNEP
UniRef90_F6D6N2 UniRef90_W7YLV8	ARLNII	KDYE	V V E K K H V T V P Q E I V G I A K C F N P Q C I T N N E N
UniRef90_F4BA17 UniRef90_J9FTV9	A T   N   I	K N Y E K D G K	VAEKRKLNLPEKI EGI LK <mark>C</mark> PNPA <mark>C</mark> I TNNDV I AEKKHLSLPEKI VNVAK <mark>C</mark> KNPR <mark>C</mark> I TSVEQ
UniRef90_F2L370	ATINII	KNYE	V VKKYKVRPPHVI RGKFK <mark>C</mark> RNPN <mark>C</mark> I TNQEH

	420 440 450
QUERY UniRef90_C4LBX3 UniRef90_E8XVP5 UniRef90_G2DT68 UniRef90_UP10004789736 UniRef90_UP10004789736 UniRef90_D7N502 UniRef90_D7N502 UniRef90_D7N502 UniRef90_UP1000395B8DC UniRef90_UP1000395B8DC UniRef90_UP1000395B8DC UniRef90_Q5E7U6 UniRef90_A6FE77 UniRef90_A6FE77 UniRef90_A6FE77 UniRef90_A6FE77 UniRef90_B4F2M1 UniRef90_B4F2M1 UniRef90_UP1000419A461 UniRef90_UP1000419A461 UniRef90_UP100037002F3 UniRef90_UP100037002F3 UniRef90_UP100037002F3 UniRef90_UP10003D05D6B95 UniRef90_UP10002DD6B95 UniRef90_UP10002DD6B95 UniRef90_UP10004D05D6B95 UniRef90_UP10004D6B95 UniRef90_UP10004D6B95 UniRef90_UP10004D6B95 UniRef90_UP10004D6B95 UniRef90_UP10004D6B95 UniRef90_UP10004D6B95 UniRef90_UP10003B31261 UniRef90_UP1003B31261 UniRef90_UP10003B31261 UniRef90_UP10003B31261 UniRef90_UP10003B31261 UniRef90_UP10003B31261 UniRef90_UP10003B34ABC8 UniRef90_UP1028	140
UniRef90_U1P238 UniRef90_E3GWI8 UniRef90_B2RL77 UniRef90_B2RL77 UniRef90_A2BJ23 UniRef90_A2BJ23 UniRef90_UP10003739542 UniRef90_Z4WRP6 UniRef90_A9D3H4 UniRef90_A9D3H4 UniRef90_A1SZR7 UniRef90_U2YVA3 UniRef90_U2YVA3 UniRef90_U2YVA3 UniRef90_V4Y011 UniRef90_B1ZLG5 UniRef90_F9D182 UniRef90_F9D182 UniRef90_F9D182 UniRef90_C7NSA1 UniRef90_F9D182 UniRef90_C7NSA1 UniRef90_B8J2L8 UniRef90_B6F5J5 UniRef90_B7D182 UniRef90_C7NSA1 UniRef90_B8J2L8 UniRef90_C7NSA1 UniRef90_C7NSA1 UniRef90_C7NSA1 UniRef90_C7NSA1 UniRef90_B8J2L8 UniRef90_C7NSA1 UniRef90_B8J2L8 UniRef90_C7NSA1 UniRef90_C7NSA1 UniRef90_C7NSA1 UniRef90_T8DJ8 UniRef90_T9DJ8 UniRef90_T9DJ8 UniRef90_T9DJ8 UniRef90_T9DJ8 UniRef90_T9DJ8 UniRef90_T9DJ8 UniRef90_T9DJ8 UniRef90_T9DJ9 UniRef90_R7LDQ1 UniRef90_C7NURE	N

UniRef90_W7L8H6 UniRef90_R5NXI1 UniRef90_UPl00046933D2 UniRef90_R7.IRE3	10 KAAAAKAKI III III III III III III III I	### ### ### ### ### ### ### ### ### ##
UniRef90_F2KTB6 UniRef90_H6Q4E5 UniRef90_R5CC46	MSE QLAVSKI MSQKNKLQVEAI	R D G T V I D H I N A G K A L L V L R I L G I S G S R E F Q G T V I D H I P A K V A I K L L R I F K L L R T T E F F G F V I D H I R A G R A M K I Y H Y I G I D K I D C
UniRef90_G2MJQ2 UniRef90_UPl000237BE73 UniRef90_H8I483	MS DHELRVSKI MVHNKELKVSAI SKERELRVKPI	R N G T V L D H L S G G S A L N V L G L L G I D G S E T E N G T V I D H I P S D N L F K V I T I L G L D K I T T N N G T V I D H I E A G Q A L N V L K I L G I G H T R H
UniRef90_F4KNB7 UniRef90_W0ETV2 UniRef90_R6RJN1	KQQEGMLVTAI VEKKELKVAAL LNISGI	CNGTVIDHIPPKKLFKIAHLLQLEDMEE ENGTVIDHIPSNQLFKVVSILGLEN <mark>C</mark> PN KEGVVLDHIQAGKSMEIYKYLGLGKMD <mark>C</mark>
UniRef90_V4JGI0 UniRef90_R7F0U2 UniRef90_UPI0004793AF9	K E G R M L	K D G T V I D H I P A G R A L T V L R L G I R G D E G R N G T V I D H I P P R A V F K I V E M L G L V N E P D E N G T V I D H I P A E S L F V V I N I L G L D T I P N
UniRef90_R5P1N5 UniRef90_R7J1V4 UniRef90_UPI000370AADB	K K E L Q V S A I D K K E L A V A A L K E L Q V A A L	E N G T   V   D   H   P A E K   L   F   D   V   N   V   L   G   I T A   L   D N   R N G T   V   D   H   P S A A   L   F K A   V   R   V   L   G   V   E S M D K   E N G T   A   L   D   H   P S D   A   V   F K   V   V   S   L   Q   L   Q K   L   N   N   M   M   M   M   M   M   M   M
UniRef90_E7QYW7 UniRef90_U1P2G0 UniRef90_G0EHM1	D H E L R V S K I M S D R E L R V S K I K N S E L L V R K I	R N G T   V I   D   H
UniRef90_J2ZL20 UniRef90_Q8TVB1 UniRef90_D3IHX2	E	R N G T   V   D H   V   S G G Q A   L   N   V L   A   I L   G   I D E A G E E M G T   V L D H L   P P G T A P Q I   M R I L   D I   D P T E T K N G T   V I D H I   P A D K T F Q   V   N L L E L   Q T L N E
UniRef90_A0B8L2 UniRef90_W0JL81 UniRef90_K1ZH67	T H D H E L R V S K I M K N D K Q L K V F A I	R S G T V I D H I Q A G Q A L N V L K I L G I S G T T G H N G T V I D H V R S G Q A L N V L A V L G I D G S E E K E G T V I D H I P A G Q A L K I I R I L K L Q N N E K
UniRef90_C3JAD8 UniRef90_F0TC48 UniRef90_U1N800	MKTPRELKVKPI DDQELRVSKI	KNGTVIDHITANKALNVLKILGLPNKET RNGTVIDHITANKALNVLKILGLPNKET
UniRef90_UPI00046922FA UniRef90_R7D085	M S E K K Q L Q V A A L M S E K K Q L Q V A A L M S E K S Q L Q V A A L	ENGTVIDHIPSDKLFTVVSLLRLQNSDL KDGTVIDHIPSDKLFTVVSLLRLQNSDL KDGTVIDHIPSGKAMNIJSVJGLGFKGD
UniRef90_D9Q236 UniRef90_R5I064	NKEKQLKVSKI	REGTVIDHIPAGRALVVLKILGITGNEG KNGTVLDHIPSGQVFKVIDILGLYDSAH
UniRef90_Q9UX07 UniRef90_D3IE25 UniRef90_R6P4F2	SKRDELIVSKI KKERLVAAI	RNGTVIDHIPAGRALAVLRILGIRGSEY ENGTVIDHIPAGRALAVLRILGIRGSEY
UniRef90_D3DZ25 UniRef90_E4T1P8 UniRef90_UPI000419A3F3	EKKLKVKAL MSEKKELQVAAL	ENGTVIDHIPANKALQVLKILGLPKKGT CNGTVIDHIPSDKLFKVVSILHIETSLN CNGTAIDHIPSDQLFKVVSILNIDNLAH
UniRef90_H1HRP1 UniRef90_F6BAU8 UniRef90_R9MEI8	M S E K K E L Q V A A L L N I S G L K N R E L K V K P I N N T L N V G R I V Q E R D L I V S K I V E K G A L Q V P A I	SEGIVLDHI KAGKSIDI YYQLGLNKLDS QNGTVIDHI KSGKALDVYNILKIPD DL EEGFVLDHI QAGRSMDI YKYLNLDKLD <mark>C</mark>
UniRef90_A8MCA3 UniRef90_UPI000471BC67 UniRef90_R7BKP0	V Q E R D L I V S K I V E K G A L Q V P A I L N V G K L	K D G
UniRef90_T1D780 UniRef90_R5EQA6 UniRef90_A0RXJ6	R E L <u>K</u> I T P I N N K S K L L V E A I E S E L <u>I</u> V R R I	R N G T V I D H I P D G L A L E V L R I I G R L G R D S A N G T V I D H I A P G Q A I N I I R M F K F L S K N N R E G T V I D H I D G G R G L Q V L S A L G I D G G D G
UniRef90_UPI0003B64AD6 UniRef90_R7DJL5 UniRef90_UPI0003B662A1	H K K E L E V A A L L N V G K I	R E G T V I D H I D G G R G L Q V L S A L G I D G G D G E E G F V L D H I P A G K G M S V Y Y H L G L D K L D C E N G T V I D H I P S N Q L F K V V S L L G L E H L N K E E G F V L D H I K A G R S M Q I Y H H L G L D R L D C E N G T V I D H I P A G R A L M V L R V L G I T G R E G E N G T V I D H I P T D K T Y Q V A S L L G L F T L K T
UniRef90_A3MX26 UniRef90_D5EYF5 UniRef90_J9FN18	K E L T V S K I N K K E R L V A A I K R E Q L K V A A I	FNGTVIDHIPSEKTEEVINLIBUSEYHS
UniRef90_UPI00037B954C UniRef90_U2U6A4 UniRef90_UPI0003F70918	MKENKQLLVAAL MKIDGI LNIGKI	ENGTVIDHIPSEKLFEVINLLRLSEYHS ENGTVIDHIPSDQLFTVVHLLKLDKLET ENGLVLDHIKAGRSMLVYRYLGLDRVKS EEGFVLDHIQAGKGMQIYNHLGLNKLDS QNGTVIDHIPTEKLFSVAAMLRLHELAT
UniRef90_T1DTT9 UniRef90_K2C8G1 UniRef90_G7WPG2	NETILLVISAII	K N G T   V I   D   H   I   T   S   G   Q   A   I     R   I   I   H   I   I   S   I   Q   S   S   H   Y
UniRef90_D6YUA3 UniRef90_R4W6E8 UniRef90_G5H986 UniRef90_R6TTF9	EKTLPVSAI ERELRISKI MTMEGTLEVRAI MNIDPI	
UniRef90_F8EXZ1 UniRef90_R9MII3 UniRef90_R6ASL5	M N I D S I M N I D A I	K N G
UniRef90_Q2NGY3 UniRef90_Q97B28 UniRef90_R6X1A6	K S E L K V K R I	K N G T V I D H I T A N R S L N I L N M L K L P D D E T K D G T V I D H I P S G K A L R V L S I L G I D D V D Y F N G T V I D H I P A F K T Y K V A N I I K I D T I T T
UniRef90_M0MG62 UniRef90_A9KNJ4 UniRef90_P74766	M S E D H E L R I S K I L N I S G L N R K E L MV S K I	N Q G V I D H I Q A G C A M K I Y E Y L H L E K L D C
UniRef90_T1A4K1 UniRef90_R5GKS5 UniRef90_R7PC17	MI E G H D L R V S A I	QNGTIVI IDHII IPPAKII IFFIVVINII I IHII IFNIVIKT
UniRef90_K0IM94 UniRef90_UPI00037E1F8A UniRef90_C4G9E8	M S D T S Q L L V R R I M A E E T E M K V T K I L N I S G I L N V G A L	Q E G F IV L D HI L K A G M S M R II Y N D L IGIL IA D R D C
UniRef90_C6LLC6 UniRef90_R5B6H1 UniRef90_D3S167	MILIDAI QLTISKI	Q
UniRef90_G2LN78 UniRef90_Q8THL3 UniRef90_K2AHQ0	FINKLOVEAL	K S G S V I D H I P A H I G F K L L S L F R F T E T E K E N G T V I D H I T A G Q A L N V L R I L R I S S A R A E E G T V I D H I D A G Q A L N I I R V L D L A K N D T E N G I V I D H I P A G K S M D I Y R Y L G L G E L D S
UniRef90_R5LYK7 UniRef90_UPI0004708A52	LNVGRI MPVATI	ENG[VIDHIPAGKSMDIYRYLGLGELDS CNGTVIDHIPSSKLFKVASLLHLEEASQ

UniRef90_W7L8H6 UniRef90_R5NXI1	50  R V A L V M N V E S K K M G R K D   V K   E N R E    Q E K E A E        T        A P N S
UniRef90_UPI00046933D2 UniRef90_R7JRE3 UniRef90_F2KTB6 UniRef90_H6Q4E5 UniRef90_R5CC46 UniRef90_G2MJQ2 UniRef90_UPI000237BE73	S   T   V   G   Y   N   L   K   S   K   K   M   G   H   K   S   I   K   I   A   G   K   F   F   S   D   E   L   N   Q   L   A   V   V   S   P   N   S   I   T   I   G   N   N   L   K   S   K   K   C   G   L   K   G   V   K   V   S   N   K   Y   F   S   D   E   L   G   R   I   A   L   L   A   P   S   T   I   T   I   A   N   L   P   S   K   K   C   G   F   K   G   M   I   K   S   D   K   F   F   N   D   D   L   S   R   I   A   L   A   P   G   R   V   T   I   G   L   N   V   F   L   N   E   D   Q   A   A   Q   L   S   L   V   A   P   G   V   A   M   N   V   P   S   D   R   L   G   T   K   D   V   K   V   E   G   R   E   L   S   Q   D   E   V   D   V   L   S   L   A   P   R   G   V   T   F   G   A   N   L   D   S   K   L   G   R   K   A   L   K   V   S   E   V   F   F   E   D   N   E   N   K   S   L   V   A   P   H   T   T   T   T   T   T   T   T   T
UniRef90_H8I483 UniRef90_F4KNB7 UniRef90_W0ETV2 UniRef90_R6RJN1 UniRef90_V4JGI0 UniRef90_V4JGI0 UniRef90_UPI0004793AF9 UniRef90_R5P1N5	V V S V L M N V P S G A M V A K D V V K V E D R E L E P E E V D T I A L I A P R P I T I G N N L D S H Y L G K K G I I K I S G R M L S D E E A S R I A L I A P D S I T I G N N L V S K K I G R K G I I K V A D C F F K E E E L N K I A L V A P E T V A I I K N A R S S K M G R K D I I K I E G P L D S L D L D V L G Y I D H T R V A V V M N V E S T R M G R K D I V K L E N F Y P R F E D I T K I A L I A P T A I T L G N N L P S E N M G L K G I I K V S N R E F A R E E I N K I A L V A P D Q L T F G A N L D S R K L G K K A I I K V S D K F F E D S E I N K I S L V A P H A M T F G T N L R S S K L G K K A I I K I W D K F L E D D E V N K L A L V A P S
UniRef90_R7J1V4 UniRef90_UPI000370AADB UniRef90_E7QYW7 UniRef90_U1P2G0 UniRef90_G0EHM1 UniRef90_J2ZL20 UniRef90_Q8TVB1	Y V T I G Y N L Q S S K L G R K G I I K V A D V E F S Q D E L D R I A L F A P T R I T I G N N L K S S K M G S K G I I K V S D K F F R E D E L N R I A L V A P N E V S V G M N V P S D R M G R K D I V K V E G K E L S Q N E V D V L S L I A P D G V S I G M N V P S D R L G H K D I V K V E G R E L S Q S E V D V L S L I A P E K V A L V M N V E S R K L G R K D I V K V E G R E L S Q S E V D V L S L I A P E S V S L G I N V P S D R L G K K D I V K V E D R E L S Q S E V D V L S L I A P E T L L V A I N V E S S K M G R K D I L K I E G K I L S E E E A N K V A L V A P N P I T I G N N Y A S K M M G K K G I I K V T D R Y F T D E E I S R L S V V A P N T V S V S D K I G K K D I V K V E D R E L S D E V D V L S L I A P E T D E C I S R L S V V A P N C S C K K D I V K V E D R E L S D E V D V K V A P N C S C K K D I V K V E D R E L S D E V D V K V A P N C S C K K D I V K V E D R E L S D E V D V K V A P N C S C K K D I V K V E D R E L S D E V N K L S V V A P N C S C K K D I V K V E D R E D E V N K L S V V A P N C S C K K D I V K V E D R E D E V N K L S V V A P N C S C K K D I V K V E D R E D E V N K L S V V A P N C S C K K D I V K V E D R E D E V N K L S V V A P N C S C K K D I V K V E D R E D E V N K L S V V A P N C S C C K K D I V K V E D R E D E V N K L S V V A P N C S C C K K D I V K V E D R E D E V N K L S V V A P N C S C C K K D I V K V E D R E D E V N K L S V V A P N C S C C K K D I V K V E D R E D E V N K L S V V A P N C S C C K K D I V K V E D R E D E V N K L S V V A P N C S C C K K D I V K V E D R E D E V N K L S V V A P N C S C C C K K D I V K V E D R E D E V N K L S V V A P N C S C C C C C C C C C C C C C C C C C
UniRef90_D3IHX2 UniRef90_A0B8L2 UniRef90_W0JL81 UniRef90_K1ZH67 UniRef90_C3JAD8 UniRef90_F0TC48 UniRef90_U1N800 UniRef90_S8FDW8	PI TI GNNYASKMMGKKGI I KVTDRYFTDEEL SRLSVVAPNTVSVLMNVSSRKLGKKDI VKVEDRELLREDEVNKI ALIAPBEL SLGMNVPSDRFARKDI I KVEDRELLSQDEVNVLTLIAPBEL VTMGMNFPSKTLKKKDI I KI EERELTPEEANKVAI LAPNPITI GNNFPSKVLGRKGI I KI ADHFFDGDI VNRI ALIAPNSVTI AMNVKSSQMFAKDI VKI EGRELKSGEVDKI ALIAPNSVTI AMNVKSSQMFAKDI VKI EGRELKSGEVDKI ALIAPYAVSI GMNVSSDRLGRKDI VKVEDREL SQSEVDVLAVVAPKKI TI GNNLNSEKLGKKGLI KVADRFFTDEEL SRLSVVAPSNI TI GNNLNSEKLGKKGI I KVADRYFTDEEL NQLSVVASN
UniRef90_UPI00046922FA UniRef90_R7D085 UniRef90_H9ZZW5 UniRef90_D9Q236 UniRef90_R5I064 UniRef90_A8A8H5 UniRef90_Q9UX07 UniRef90_D3IE25	N
UniRef90_R6P4F2 UniRef90_D3DZ25 UniRef90_E4T1P8 UniRef90_UPI000419A3F3 UniRef90_H1HRP1 UniRef90_F6BAU8 UniRef90_R9MEI8	S V A L I K N V T S R K T G K K D I I K D S D F D V D T D L G Y V D P G N V T L A M N V H S R L G Y K D I V K F E N R E L A H T E I D K I S L I A P D Q I T L A N N L E S A K I G S K G L V K I S D R I L E V D E T N K L A L I A P N P I T I G N N L E S K K M G T K G I I K I S D K F F E E S E I N R I A L I A P N Q I A I I K N A H S Q K M G R K D I I K V E G D V L D R D L D V L G Y I D H S P V M L A M N V P S K K M G K K D I L K I E G L E L G S D D V N K I A L I A P D C V A I I K N A K S S K M G K K D I W K I E G R E L S N D E L N L V S L I A P T R V A L V M N A D S R R L G R K D I V K I E G K E L S N D E L N L V S L I A P T
UniRef90_A8MCA3 UniRef90_UPI000471BC67 UniRef90_R7BKP0 UniRef90_T1D780 UniRef90_R5EQA6 UniRef90_A0RXJ6 UniRef90_UPI0003B64AD6 UniRef90 R7DJL5	R V A L VMN A D S R R L G R K D I V K I E G K E L S N D E L N L V S L I A P T P I T I G Q N F A S Q K L G R K G I I K V E D K H F T Q A E V N K L A L V A P R C V A I I K N A K S K K M G K K D I I K I D G L D L V D L D I L G F I D H N T V S I A L H V R S A K Q G W K D I L K V E N V E L S D R A V N A I A L L A P T Q L T V G F N L R S G N L G K K D I I K I S D V V F S P A Q T E Q I A V L A P N S I T V A L N V P S G K F S K K D I I K V E N R F L K D D D T N R L A L I A P S M V A I I K N A K S G R L G R K D I I K V E C D I D T L N L D V L A V I D Q T S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S K K I G H K G I I K I A D T F F K E E E I N K I A L I A P N S I T I G N N L I S N K I G N S I T I K I A D T F F K E E E I N K I A L I A P N S I T I T I T I T I T I T I T I T I T I
UniRef90_UPI0003B662A1 UniRef90_A3MX26 UniRef90_D5EYF5 UniRef90_J9FN18 UniRef90_UPI00037B954C UniRef90_U2U6A4 UniRef90_UPI0003F70918	RIAL VMNVDSRKLGKKDI VKI EGRELTPEEVNI ISAVAPT PVTIGFNYPSKKVGSKGI IKVSDKFFTDDEVSRLSVVAPN SIVMGYNLKSNKLGHKSI IKI ADKFFSDAELNSLSVI APN KITLGNNLVSSKLGKKGI IKLANKFFDSDEI NKI SLVAPH
UniRef90_T1DTT9 UniRef90_K2C8G1 UniRef90_G7WPG2 UniRef90_D6YUA3 UniRef90_R4W6E8 UniRef90_G5H986 UniRef90_R6TTF9 UniRef90_F8EXZ1	QTTLGLNLPSGLLGLKDLIKIEGFVLSSESASKTAILAPL
UniRef90_R9MII3 UniRef90_R6ASL5 UniRef90_Q2NGY3 UniRef90_Q97B28 UniRef90_R6X1A6 UniRef90_M0MG62 UniRef90_A9KNJ4 UniRef90_P74766	Q V A I I R N A A S T R T G T K D I I K I A S D K D L D L G V L S F V C P T A I M V A L N V E S S D M G R K D I I K I E G R E L S Q D E V D K L V L L A P Q T V S V G M H V P S S K M E Y K D V I K I E N R S L D K N E L D M I S L T A P N P V T I G N Y L E S K K V G H K G I I K V S G K F F T D A E I S Q L S V L A P N
UniRef90_T1A4K1 UniRef90_R5GKS5 UniRef90_R7PC17 UniRef90_K0IM94 UniRef90_UPI00037E1F8A UniRef90_C4G9E8 UniRef90_C6LLC6	T V S I A L H V R S G K L G W K D I V K V E N L E L T P R T V N A I A L I A P T S I M V G L N L K S H K M G Q K S I I K I A D K Y F T D A E L N Q L S V V A P N A I M I G Y N I K S K K M G E K S I I K I A D K F F T H A E L N Q L S V V A P N N V T V A L N V P S S K H G K K D I I K V E N F F L E T S E T N K L A L I A P N T I A L V M N V K S K K I G I K D V V K V E N L E L D P S L V S R L A L I A P N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M N A R S N K M G R K D M L K V E C P I D A I D L D V L G F I D H N T V A M I M L D L D V L G F I D H N T V A M I M L D L D V L G F I D H N T V A M I M L D L D V L G F I D H N T V A M I M L D L D V L G F I D H N T V A M I M L D L D V L G F I D H N T V A M I M L D L D V L G F I D H N T V A M I M L D L D V L G F I D L N T V A M I M L D L D V L G F I D L N T V A M L D V L D L D V L D L D V L D L D V L D L D
UniRef90_R5B6H1 UniRef90_D3S167 UniRef90_G2LN78 UniRef90_Q8THL3 UniRef90_K2AHQ0 UniRef90_R5LYK7 UniRef90_UPI0004708A52	T V A I L K N V T S R K L G R K D I I K I D R E M E L D W D L I G Y V D P S T V S L A M N V P S K K M G K K D I V K V E G K F L G E E E L N K I A L I A P G R I T I G L N L P S K K L G K K D I I K I E N T F L S D D Q I N Q L A I Y A P H T V S F V M N A P G A R G K K D V V K I E G K E L S V E E L N R I A L I S P K I V T V G L N L P S K K L G H K D L I K V E F R N L T P E E A N K L A L F A P H C V A I I K N A K S D A M G R K D I I K V D G G E D L I D I N L G F I D T N P I T I G N N F H S K L L G R K G I I K I S D Q F V S D D L L N R I A L V A P N

UniRef90_W7L8H6 UniRef90_R5NXI1 UniRef90_UPI00046933D2 UniRef90_R7JRE3	A S   N       K E	90 E Y E V V G K R K L L O Y E V V E K K E V O Y N V I E K R T I N Y E V V E K K R V	L V R K R H T T K K R K R R R R S C G G G G G G G G G G G G G G G G G G	110 120 P N P S C V T N N D V A N P K C I T N N E P D N P K C I T N N E P
UniRef90_F2KTB6 UniRef90_H6Q4E5 UniRef90_R5CC46 UniRef90_G2MJQ2 UniRef90_UPl000237BE73	ATVNRIKN	Y E I Y K K F N V N Y I V I S K Q K L O Q I I E K R S L E Y E V V E K R D V N Y E V V E K F R V	S L P E V V E G I L I I K K L P K E I N G V L S C K L P K E I R D V I H C E R P E S V Q G V V V C T L P D T I V G I V K C	PNRNCITNSEP PNENCISRCEL SNPRCISSIER PNSNCITNNEA
UniRef90_H8I483 UniRef90_F4KNB7 UniRef90_W0ETV2 UniRef90_R6RJN1 UniRef90_V4JGI0	A T   N   I   R N   V   H   N   I   K   E   E   E   E   E   E   E   E   E	N Y E V V E K F R V O Y E V V D K R T L O Y Q V T E K Y K V O E R I V E K R C L O Y A V V E K R P V O Y M V V S K T R V O Y E V V E K R D V	A M P R N V I GI I R ( H L P E E I I G F V K ( S L P D V V H GI I R ( S L P D R L V N V I H ( E V P P V I E G L L T (	G
UniRef90_R7F0U2 UniRef90_UPI0004793AF9 UniRef90_R5P1N5 UniRef90_R7J1V4 UniRef90_UPI000370AADB	A V I N V I R C A K L N I I R C A K I N I I R C A V V N I I R C V N L N I I R N	Y M V V S K T R V O Y E V V E K R D V O Y E V V E K K R P V O Y E V V E K K K V E Y E V A E K H R L O F D V A D K L R V	E L P E E I E G L V T C E I P D E I I G I V K C N V P E T V E G I V K C T L S D D I V G I V R C V L P D E I V E I M K C	P N P T C I T R S E P P N P K C I T R N E P F N P K C I T N N E F M N P K C I T N N E P C A N P K C I T N N E P
UniRef90_E7QYW7 UniRef90_U1P2G0 UniRef90_G0EHM1 UniRef90_J2ZL20 UniRef90_Q8TVB1	A I II IIVII VIN I	YEVAEKHRL OFDVADKLRV OYVVVEKRV OYEVDKLRV OYSVAEKFQV OYEVIEKKKV	ERPEYVVGILSC ERPDVVSGLIAC ELPEIVAGVLKC ERPDFVTGVLSC	P N S N C I T E D E P P N H S C I T N A E P R N P T C I S R N E P P N R N C I T N D E R P N P N C I T N D E R
UniRef90_D3IHX2 UniRef90_A0B8L2 UniRef90_WOJL81 UniRef90_K1ZH67 UniRef90_C3JAD8	A I I NI VRL A T I NI VRE A T I NI I R N	OYEV TEKKKV OYAVVEKYAV EYEVVEKSRV NFELAKKFKV	ETPAELKGIVRO DLPDVIVGVVRO ERPSSVEGVLSO EMPAQVEKIIVO	NNPKCI TNNEP QNPSCI SNNEP SNSGCI TTGEP PNPKCI TNNEE SNPKCI TNNEP
UniRef90_F0TC48 UniRef90_U1N800 UniRef90_S8FDW8 UniRef90_UPI00046922FA UniRef90_R7D085	ATINI VRT ATINI VRT VKLNI IRL IRLNI IQI VKLNI I HI	O Y K V V E K K S V I Y E I L D K G K V Y D V I E K K R V I Y E V V E K K Q V O Y E V V E K K E V	KLTNNVKGILKO ERPRVVHGVLSO EMPEELREIVKO QLPDELMGIVRO	PNPNCITNTEP PNRNCITNNEP ANPKCITNNEP NNPKCITNNEP
UniRef90_H9ZZW5 UniRef90_D9Q236 UniRef90_R5I064 UniRef90_A8A8H5	A T V N I V E N A T I N I I K I A S V N I I R I A T I N I I R N A T I N I I R I	Y D V I E K K R V Y E V V E K K Q V O Y E V V E K K E V O Y E V V E K K E V O Y E V V E K K Y K V O Y N V V E K R K V O F E V V E K R G V O F E V V E K R G V O F E V V E K R G V O F E V V E K R G V	PDRVEGLLKG EVPKVIEGVLRG TIPETITGIVK TLPDVVEGILT	P N M T C I T N N E S P N M T C I S R G E P D N P T C I S R S E P D N S S C I S R S E P
UniRef90_Q9UX07 UniRef90_D3IE25 UniRef90_R6P4F2 UniRef90_D3DZ25 UniRef90_E4T1P8	VTVNI I R E	O	E T P D V L R G L I K C E L P T E L T D V L K C R K V N E L N G I I K C L L P E E I R E I V Q C	AN FINCH IN IN I GE
UniRef90_UPI000419A3F3 UniRef90_H1HRP1 UniRef90_F6BAU8 UniRef90_R9MEI8 UniRef90_A8MCA3	V V L N I I K E I T V N I I R E A T I N I I R N I T I N I I K N A T I N I I R E	O Y R V I E K K R V L O S K I V E K R V L L V E K F K V L N G E V V E K F K V L O Y S V I K K F Q V	H L PAE I RN VI H <mark>(</mark>	CKNPRCITSTEQ CTNPNCITNREN CRNPRCITSTEQ
UniRef90_UPI000471BC67 UniRef90_R7BKP0 UniRef90_T1D780 UniRef90_R5EQA6 UniRef90_A0RXJ6	I V I N V I K N I T V N I I K N A T I S I I R I A T I N Q I K I A T V N I I R I	NYKVVEKIHA NGEIVEKKEL OFTVREKHPV OFKVVDKYKL OYKLAEKRRV	V L P N E I VIGI V Q C T L P K T V T N V I K C A L P D R I D G V L R C R L P L E T V G V F K C A L P N E I G R I F R C	S N P K C I S N N E P K N P R C I T S E E P E P N S N C I T N D E R E T N P D C I T N S E R
UniRef90_UPI0003B64AD6 UniRef90_R7DJL5 UniRef90_UPI0003B662A1 UniRef90_A3MX26 UniRef90_D5EYF5	T	OGELLEKRIL OYQVTEKRVV EGELVEKRAL NFEVIKKFKV OYEVVEKRSV	E L P K E L   NV M H C T L P D E L T G	K N P R C I T S I E Q N N P K C I T N N E P H N P R C I S S I E Q R N P M C I T N A E P N N P K C I T N N E P
UniRef90_J9FN18 UniRef90_UPI00037B954C UniRef90_U2U6A4 UniRef90_UPI0003F70918 UniRef90_T1DTT9	ATV CTI K [   R L N   I R K   R L N   I R K   R	)	S L P S II V K G I V R C D M P N Q L L G I V K C E L P E K L R N V L R C V L P K E I T N V I R C P L P E N L V G L V R C	ANPKCITNNEP ANPKCITNNEP RNPRCITSTEQ HNPRCISSIEQ PNSKCITNHEP
UniRef90_K2C8G1 UniRef90_G7WPG2 UniRef90_D6YUA3 UniRef90_R4W6E8 UniRef90_G5H986	A T   N V   E N A T   N V   E N A T   N   N   N   N   N   N   N   N   N	O Q R V V E K Y T V N Y E V Q E K F Q V E F D V V E K K R L N Y D V V E K R A V	DMPDLIVGVVR SLPKKIQSVIS DRPESVSGVLA EVPETIEGEVR	PNVNCVTRHEP PNPSCISNTEP PNTLCISSQEK PNHDCITSGEP ANPKCITNMEP
UniRef90_R6TTF9 UniRef90_F8EXZ1 UniRef90_R9MII3 UniRef90_R6ASL5 UniRef90_Q2NGY3	A T V N I I R N I T V N I I E N I I R I R I R I R I R I R I R I R I R	NG	G L P E R L	R N P R C I T S T E Q K N P R C I T A T E R K N P R C I T T A E P K N P R C I T T T E Q S N P N C I T N N E P
UniRef90_Q97B28 UniRef90_R6X1A6 UniRef90_M0MG62 UniRef90_A9KNJ4 UniRef90_P74766	A T I S I I K N A V L N I I K I A S I N I I R E L T V N I I E I A T I N I V R E	0 Y Q N   R K S H L N Y E   S E K F K V 0 Y E V V E K K K T V 0 Y G V A E K H R V 0 G N   T E K R H L 0 F E V R E K R P V 0 Y E V V E K K Q V 0 Y E V V E K R R K   0 Y K L   E K R K K   0 Y K V Y F K R K	KOKOKOKOKOKOKOKOKOKOKOKOKOKOKOKOKOKOKO	K N Q N C I T N T E P  N N P V C I C N N E P  P N H D C I T T G E P  K N P R C I T S I E Q  P N P Y C I T S N D V
UniRef90_T1A4K1 UniRef90_R5GKS5 UniRef90_R7PC17 UniRef90_K0IM94 UniRef90_UP100037E1F8A	A T     N   I   R [ A T     N   I   R [			
UniRef90_C4G9E8 UniRef90_C6LLC6 UniRef90_R5B6H1 UniRef90_D3S167 UniRef90_G2LN78		O N Q I	K	EPNEKCI TNSGE CTNPTCI SSSILEEQ CKNPRCI TSSIEQ CKNPRCI TSSIE CKNPRCI TSNAER CPNRSCI TSNAER CPNRSCI TSNAER CPNRSCI TSNAER CPNRSCI TQTE CPNPSCI TQTE CKNPRCI T
UniRef90_Q8THL3 UniRef90_K2AHQ0 UniRef90_R5LYK7 UniRef90_UPI0004708A52	T   V   N   I     R N	D F E V V Q K N K V N Y E V T D K F A V N G E I A E K K Q L N Y K V V E K R C V	V L	M

	400
UniRef90_W7L8H6	130 140 150 EATSTFILTVRKSPITLRCAYCETEIGEEVLR
UniRef90_R5NXI1 UniRef90_UPI00046933D2	MKTYFH AVPGKEGVLRCHYCNKEVDLDHV MYSRFKVIDRDNEL FRCHYCGRKLKQDQI MPTRFEVIDKEA GTIKCHYCERKINKDDII
UniRef90_R7JRE3 UniRef90_F2KTB6	MPTRFEVIDKEA GTIKCHYCERKINKDDII
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UniRef90_UPI000237BE73 UniRef90_H8I483	VRSRFAVLNDG VRCEYCDEI VREGI VTTHFKVVNKKE VALRCHYCEKI TTQEE PVSSRFVVESMDPVLLRCSYCEFVLDKNI
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UniRef90 C4G9E8	VSKFKVISK NPLKFQCMYCNRYLMENEVI ELDQIFLLTDEENEVYRCKYCEEQYKRGD ELDHVFLLTDPEKEVYRCKYCEEKYR
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UniRef90_Q9YBD5 UniRef90_O30129 UniRef90_I5AR01 UniRef90_A3DM47	50   A V V I N A E S S K L G R K D   I L K   E G Y K V S M A M N V P S S K M G K K D   V K V E G M F V A M I M N A K S N K M G K K D I I K V E C P V V A L V M N V E S R K L G R K D I V K I E E K F	70 80  PRQRDLEVLGIIAPG IRDEELNKIALISPN DKLNLDTVGFIDPN LSMKELSLIALIAPT DIDLNVLGVLDPN
UniRef90_R5SL16 UniRef90_B5IFV5 UniRef90_L1N946 UniRef90_G5G933 UniRef90_W3ANP0	A V V   N A E S S K L G R K D   L K   E G Y K V S M A M N V P S S K M G K K D   V K V E G M F V A M   M N A K S N K M G K K D   V K V E E C P F V A L V M N V E S R K L G R K D   V K   E E E F F V A L I K N A R S N K M G K K D   I K   E D R F L V S L V M H V K S R M G C K D V V K   E D R F L T I G N N Y L S K K V G R K G I I K V S D K Y I L I V G F N L D S K K M G H K S L I K V R N H F V A L I Q N C T S H V M G K K D I I K I E C P I V A L I K N A K S S K M G K K D I I K I E E R V V C L L M N V P S E K L G K K D I I K I E D R V V C L L M N V P S E K L G K K D I I K I E R V V V A L I K N A S S N K M G K K D I I K I E D R V V A L I K N A S S N K M G K K D I I K I E C P I K V A L I K N A S S N K M G K K D I I K I E C P I K V A L I K N A S S N K M G K K D I I K I E C P I K V A L I K N A S S N K M G K K D I I K V E C P I K V A L I K N A S S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A K S N K M G K K D I I K V E C P I K V A L I K N A S N K M G K K D I I K V E C P I K V A L I K N A S N K M G K K D I I K V E C P I K V A L I K N A S N K M G K K D I I K V E C P I K V A L I K N A S N K M G K K D I I K V E C P I K V A L I K N A S N K M G K K D I I K V E C P I K V A L I K N A S N K M G K K D I I K V E C P I K V A L I K M A S N K M G K K D I I K V E C C P I K M A L I K M A S N K M G K K D I I K V E C C P I K M A L I K M A S N K M G K K	D D L N V L G V L D P N L E E R E I D K I A L I A P T F T D E E I S R L S V V A P K F T D A E L N Q L S L V S P N D D D L D V L G Y I D P G D F M D L D I L G F I D H N I N N V E S E L I T L I A P N
UniRef90_N2BDA1 UniRef90_A0A031LNV7 UniRef90_I7LJ69 UniRef90_R6GCC6 UniRef90_R6NZH8	V A L V M N V D S H R I G K K D I I K I E C P I V A L V M N V D S H R I G K K D I V K I E E R V V C L L M N V P S E K L G K K D I I K I E N V V V A I I K N A S S N K M G K K D I I K I A D N N V A I I K N A K S N K M G K K D I I K V E C P L	FIDEE SKLSVVAPK FTDAELNQLSLVSPN DIDLDVLGYIDPG DFMDLDILGFIDHN INNVESELITLAPN DIDLTILGLDPD DLNLDVLGYIDPD DALDLDILGFIDHN VDEKEANLITLAPT FEEDEINRIALVAPC
UniRef90_Q970X3 UniRef90_B6YRU2 UniRef90_K2BJQ2 UniRef90_R6ITJ2 UniRef90_L1MCL3		VDEKEANLITLIAPT FEEDEINRIALVAPC LSGDEVDRIALIAPD F DLNLDAVAYLAPH FSELELNQLSVVAPN
UniRef90_X5D764 UniRef90_R5EXP1 UniRef90_R4MNG0 UniRef90_D4LTY0 UniRef90_A3CW67	V A   I   K N A S S N K M G K K D   I   K   A D N N	FENDEINKIALIAPH LDTVDLKVLGYIDHN LNVREVDRIALIAPN ENLDLDILGFIDHN LRTEEVDRIALLAPQ FSDEELNQLSVIAPH
UniRef90_C9LHN6 UniRef90_R5P8T3 UniRef90_R6BYS6 UniRef90_R5B0P6	L S I A T N V E S K R M G K K D I V K I E N R E I M I G Y N L D S H K M R K K S L I K I S D H Y V A I I K N A R S N K M G R K D I I K I E G S V A I I K N A R S N K M G K K D I I K V E C P V V T I G N N L S S H K L G T K G I I K V A D V E	FSDEELNQLSVIAPH LDLVDLDILGFIDHD DMLDLDILGFIDHN FPESTLNRIALIAPH
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UniRef90_J1H2M3 UniRef90_R9LDH1 UniRef90_J0S7Z4 UniRef90_D1JB42 UniRef90_R7I375	V A I I K N A S S K K M G K K D I I K I A G G V A I I K N A R S A V M G K K D I I K V E G P V A I I K N A K S S K F G K K D I I K I E G K V A I I K N A K S S K F G K K D I I K I E D K I L S V A T N V V S R K S E R K D I V K I E N R E V S V A M N V Q S K K M G R K D I V K V E D R E V A I I K N A K S N K T G K K D M I K I E G P I	A DL NIL DI L GV I D H N DV DL DV L G F I D P N L R K E E V D R I A L I A P N L K P E E V G K I A L I A P N R A D L D I L G A L S P N
UniRef90_R9K940 UniRef90_R5GF42 UniRef90_R5FYF6 UniRef90_K1XKH9 UniRef90_D4MQE9	V A I I K N A K S N K T G K K D MI K I E G P I V A I I K N A R S N K M G K K D I L K V E C D I V A I I K N A K S K K M G K K D I I K I E G D V F T L G Q N Y K S Q K L G R K G I I K V E E K H I T F G T N L D S K F L G K K A I I K I S D Q F I A L I K N A K S S K M G K K D I I K I D G G _	DILDLDLDLDLAPPN  VEEDE VDAIL AAPPH  LSGDE VDAIL AAPPH  LSGGE IDDH VAAPPH  LAAPPH  LAAP
UniRef90_F5Y9E4 UniRef90_L0KSZ6 UniRef90_Q9HKM3 UniRef90_A7FYJ1 UniRef90_R5HVG3	V   A	A   N F D V L G L I D P N L K V K E L D K I S L I A P N L D R N E L D M I S L I A P N I M E I D Y K V L G F I D P T V I D L N Y D M L G Y I D P H L L K E E V D R I A L I A P Q
UniRef90_B8GF04 UniRef90_W9DPT0 UniRef90_UPI0004170ED5 UniRef90_C6Q1L6 UniRef90_T1BIR2	L S V A T N V T S R Q M G R K D I V K I E N R E V V S V V I N S K G R Y G K K D V V K V E N R E V A L I I N A E S K N L G K K D I I K I E K D N V A L I M N A E S K K C G K K D I I K I E N N L V S I A L H V R S G K I G W K D M V K V E N M E	L L K E E V D R I A L I A P Q L N V E E V D K II A L I S P N C E D I D Y T V L G L L S P S L S P R K V N A II A L L A P T
UniRef90_C5WCV1 UniRef90_R6B4P4 UniRef90_R6WAI7 UniRef90_R5EDI5 UniRef90_Q6L0F1	V S I A L H V R S G K I G W K D M V K V E N M E I T I G L N L P S Q V L E R K D L I K I E N F F V T I G Y N L P S K K I G K K G I I K V A N K Y V T I G Y N Y P S K K L G K K G I I K I E D K F V A I I K N A T S R K M G R K D I L K I D H P D I S I G I R V N S K K M G L K D V L K I E N V F I T L G L N L A S Q R L T L K D L I K I E N R L	ELDLKVLGFIDPN LSPRKVNAIALLAPT TTDEEINRLSVVAPN FTDEEISRLSVVAPN FTDEEIGYVDPG LEKEDLDRIALIAPE LVSSEVDKISLISPG LDSSELNKIALIAPG DVDLDVLGYIDPN IEEREAELITLAPE LSQGEVDIISLAPE
UniRef90_UPI00029B3740 UniRef90_D5EC23 UniRef90_T0MY21 UniRef90_R7GLY1 UniRef90_H2C9B1	T L G L N L A S Q R L T L K D L I K I E N R L	L T E E E F H Q V S I F A P E L V S S E V D K I S L I S P G L D S S E L N K I A L I A D G D V D L D V L G Y I D P N I E E R E A E L I T L I A P E
UniRef90_V4HEQ0 UniRef90_D2RDI1 UniRef90_UPI0002891D62 UniRef90_H1Z2C5 UniRef90_D1AMD8	VALTMNA <mark>H</mark> ŠEKLĠRKDIIKIENVM	I KLDYTVLGLIDRG LKKEEVDRIALIAPK ITKEFIFKISIIAPG
UniRef90_E6MJS8 UniRef90_M1Z3V5 UniRef90_M91Z3V5 UniRef90_A5UL19 UniRef90_W0FQ46	V T V A M N V S S K E I G R K D I V K I E N R E V A MI T N V V S G K I G R K D I I K I D A A I	LNHEELDQIALIAPK DVNLDIIGYVDPG
UniRef90_F4LP58 UniRef90_R8W031 UniRef90_R5IYJ4 UniRef90_L0ABF1 UniRef90_H5SI61	V A L I M N V S S K Q E G K K D I I K L D N V A L I R N A R S G K H G H K D I I K I E S I T I G N N L E S K K M T K G I I K I S D K F I A I V M N V P S T T M G K K D L V K L E D Y Y V L V A M N V K S O R I G L K D M V K V F N R A	MIDLDLDVLGYLDPD FEEEVINKIALIAPN PNSEDLEKISLISPS
UniRef90_R5AEF3 UniRef90_J4KA34 UniRef90_D1NSH5 UniRef90_R7HNS3 UniRef90_W6N907	LALIMNAPSHKEGTKOMIKIEGT	V D D L D L N V L G L V A P Q
UniRef90_D0GKJ5 UniRef90_R5XWU6 UniRef90_UPI0003B576FF UniRef90_E1RJQ7	V A L I M N A Q S G K L G K K D I I K I E N K L I T V A C N L K S S S L G K K G L I K I A D R N I A I I K N V M S R K L G K K D I I K I D S D Y L A L I M N T D S H R Y G T K D I I K I E D P I S V G T N V G S R I S G K K D I V K I S N R E V A L I I N A D S K K L G K K D I I K I E N C F	L G D R E L G E     A   L   A P D   D V D L D V L G Y V D P G   D T A   D L D V L G L V A R S   L S K E E V D R   A L I A P N
UniRef90_AGLS55 UniRef90_UPI0003F80C1E UniRef90_D7EB02 UniRef90_W4UR72 UniRef90_R5JVA8	V	INAQEFOKIALIAPN FGDEEINRISVVAPH

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Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  A T   N   I   K   D   D   V   K   K   D   K   L   K   D   K   V   K   C   K   N   P   K   C   T   N   N   E   P   M   Unincelos CSH-M6  Unincelos CSH-M6  A T   N   I   K   D   D   V   V   K   K   D   K   K   V   K   K   D   K   V   V   K   K   K   K   K   K   K	UniRef90_Q9YBD5 UniRef90_O30129	A T F N V I   A T I	90 E D Y K V V E K V K L  R D Y E   E R K F K V	100 K L P E E S Q G V L R G S P P E V V E G V L K G	110 120 CPNPTCI TRKER CPNHACI SNAEP
Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  A T V N I I K N G E I V D K K K L H L P K G I V N V I K C K N P R C I T S I LE D Unincelos CSH-M6  Unincelos CSH-M6  A T V N I I K N G E I V D K K K L H L P K G I V N V I K C K N P R C I T S I LE D Unincelos CSH-M6  Unincelos CSH-M6  A T V N I I K N G E I V D K K K L H L P K G I V N V I K C K N P R C I T S I LE D Unincelos CSH-M6  Unincelos CSH-M6  A T I N I I R D F N V V S K K L H L P K K L I T N I I R C K N P R C I T S I LE D C M6  Unincelos CSH-M6  Unincelos CSH-M6  A T I N I I R D F N V A E K Y K K V K M P E EV I T N I I A R K K N P R C I T S I LE D C M6  Unincelos CSH-M6  Unincelos CSH-M6  A T I N I I R D F N V A E K Y K V K M P E EV I T N I I A R K K N P R C I T S I LE D C M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  I T V N I I K N G K I V P K K R E K K V J K P E R D I K K T L H I N V I H C K K N P R C I T S I LE D C M6  Unincelos CSH-M6  Unincelos CSH-M6  I T V N I I K N G K K T L H I R N K K T L H P K K K L T N V I H C K K N P R C I T S N I LE D K M I N M M M M M M M M M M M M M M M M M	UniRef90_I5AR01 UniRef90_A3DM47 UniRef90_R5SL16 UniRef90_B5IFV5	T	E	KLPKEIRNVIH EPPSIVKGLIK ELPETVTGIIR ELPDEIVGIVK	C C N P R C I T S T E Q C P N P T C I S R N E P C K N P R C I T S T E Q C M N P R C I T N Q E P
Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  A T   N   I   K   D   D   V   D   K   K   L   L   K   D   K   U   K   C   K   N   P   K   C   I   T   N   L   E   L   U   L   K   L   L   L   L   L   L   L   L	UniRef90_G5G933 UniRef90_W3ANP0 UniRef90_N2BDA1	V L N   I	H D Y E V K E K K T V K N Y E V V E K K T I K D G K R V E K K T L Q N E Q I V E K K L L	E T P N E L R GI V R 6 E L P E V V K N I V K 6 S L P E T L T N V L K 6 R L P R E I K N V I R 6	C N N P K C I T N N E P C P N P K C I T N N E P C K N P R C I T S V E Q C K N P R C I T S I E Q
Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  A T   N   I   K   D   D   V   D   K   K   L   L   K   D   K   U   K   C   K   N   P   K   C   I   T   N   L   E   L   U   L   K   L   L   L   L   L   L   L   L	UniRef90_I7LJ69 UniRef90_R6GCC6 UniRef90_R6NZH8	A	R N Y E V A E K K K L K D E V I V E K K K F R D G K I V E K K H L K G D K I V E K K E L	RIPDIVOGILKO ELPERVENVLNO ELPEKIVNIVHO HLPKQVKNVIR	CKNPRCITSVEQ CKNPRCITSVEQ
Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  A T   N   I   K   D   D   V   D   K   K   L   L   K   D   K   U   K   C   K   N   P   K   C   I   T   N   L   E   L   U   L   K   L   L   L   L   L   L   L   L	UniRef90_B6YRU2 UniRef90_K2BJQ2 UniRef90_R6ITJ2	VKLSII ANISII TTVNVI	H N Y E V V E K K L I R N F E V V K K S E V C G G K A A E K Q A L	HLPDELKGLTK	CNNPNCITNNEP CQNHKCITNTEP CPNPACISNHEQ
Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  Unincelos CSH-M6  A T   N   I   K   D   D   V   D   K   K   L   L   K   D   K   U   K   C   K   N   P   K   C   I   T   N   L   E   L   U   L   K   L   L   L   L   L   L   L   L	UniRef90_X5D764 UniRef90_R5EXP1 UniRef90_K4MNG0	AKLNII LTVNII ATINII	R D Y E V A E K K L V R G D K I A E K R A L R N F N V S Q K K K V K D F K I V F K R L I	EI PQKITGIVKO KLPKKITNVIQ HIPFVEGVVR	CFNPKCITNHEK CKNPRCITSIEQ CVNPNCISNNEP
UniRef90 T1C7Y7  A T   S   1   R E T K V R E K H A V S   D E R   V   G   V R C P N P N C   T N G E P UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P5JB20  A T   N   1 R N S E V   T N K R E K   L H   L P D S   T N V   L R C K N P R C   T S   L E Q UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P4JB20  UniRef90 P5JB20	UniRef90_A3CW67 UniRef90_C9LHN6 UniRef90_R5P8T3	A K I N I I I S L S I I I I T V N I I I I I I I I I I I I I I I I I I	R N Y K V V E K K G V R N F E V A E K R Q V K D G V I Y E K K D L K N G E I V D K K K L	EIPEVIRGVVR ELPKELVGIVK KLPKLIRNVIR HLPKQIVNVIK	CPNPGCITNTEP CPNPKCITNNEP CKNPRCITSTEQ CKNPRCITSTEH
Li   Li   Li   Li   Li   Li   Li   Li	UniRef90_R5B0P6 UniRef90_R6QSK3 UniRef90_T1C7Y7 UniRef90_R9T4R0	A T V C I I A T I S I I A T I N I I	R D F N V V E K R D I I E D G K L K S K H K V R E K H A V R D F N V A E K Y K V	K	C
UniRef90_C5G1L6	UniRef90_R5YVW3 UniRef90_J1H2M3 UniRef90_R9LDH1	T V N   I	T N G K I S E K K T L K D G V L T D K K E L D M G K I V E K R S L E G G R I T R K R K L	H	C K N P R C   T S   E Q C K N P R C   T S   E Q C K N P R C   S N A E E C K N P R C   T S   E Q
Li   Li   Li   Li   Li   Li   Li   Li	UniRef90_D1JB42 UniRef90_R7I375 UniRef90_R9K940	A S   N   1 L T   N   1 I T V N   1	RNSEVI AKHKV KDGTI VEKRHL KGEKI VEKREL		CANPNCISNAER CRNPRCITSIEQ CKNPRCITSIEQ
UniRef90_C5G1L6	UniRef90_R5FYF6 UniRef90_K1XKH9 UniRef90_D4MQE9	V V I S V I A K I N I I I T V N I I	RDYQVVEKIKV HDFEVVEKRVL RDSRIVEKRSL ENEKITEKIKL	DLPEEINGLVKOSTPSSIKGIAKO DLPRKITNVIQ KLPEKVENIIH	CTNPKCISNNEP CMNPACITNHQN CRNPRCITSLEQ CKNPRCITSTEK
UniRef90_C5G1L6	UniRef90_L0KSZ6 UniRef90_Q9HKM3 UniRef90_A7FYJ1 UniRef90_R5HVG3	A T   N   I   A T   S   I   T   D   V   I   T   V   N   I	R D F K V L K K N R V K N Y E I S E K F Q V E N E T L K E K I K L R G G E R M E K L H P	E	C
UNIRE190_CISWCV1  UNIRE190_CISWCV1  UNIRE190_RE64P4  UNIRE190_RE64P5  UNIRE190_RE64P4  UNIRE190_RE64P6  AT I N V P E V I E K K K V V I P D T L K G I V K C N N P K C I T N N E P C UNIRE190_RE64P6  UNIRE190_RE64P6  AT I N V I N P E V I E K K K V V I P D T L K G I V K C K N P R C I T N N E P C I T N P E C I T N N E P C I T N P E C I T N N E P C I T N P E C I T N N E P C I T N P E C I T N N E P C I T N N E P C I T N P E C I T N N E P C I T N P E C I T N P E C I T N N E P C I T N P E	UniRef90_B8GF04 UniRef90_W9DPT0 UniRef90_UPI0004170ED5 UniRef90_C6Q1L6	S S   N	REFRVFDKKGV RDFNVASKYKV KDERI VRKVRP EDEQIKEKI	D   P N Q   C G V   R ( H   P A F V E G V V S ( E L P E K V E N   L   C K L P E K V E N   I   K (	CPNPGCITNNEP CINPNCISNNEP CNNPRCITVDEK CKNPRCITSVER
UniRei90_Q8L0P1	UniRef90_C5WCV1 UniRef90_R6B4P4 UniRef90_R6WAI7	STINCI IGLSII VVLNVI	RDYRVQEKRSV NDYEVIAKISP KDYEIVEKKTV RDYEVVEKKVV	DL PERIFGIVE L L PEYVNKILI KTPDTLKGIVK VTPDTLKGIVR	CTNSNCISNSEL CNNPKCITNNEP CNNPKCITNNEP
UniRef90_R7GLY1	UniRef90_Q6L0F1 UniRef90_UPI00029B3740 UniRef90_D5EC23 UniRef90_T0MY21	ATISIV ATLNYI ATINII ATITIV	KNYEI IEKFNY ENFKISKKVR <mark>C</mark> RDYDVQEKNQV EDYGVIKKFVV	DMPEKI YGIVK QLPKRIHGIFI GIPSHVEGVVK KLPDIITGILK	CSNQNCITNANE CPNNNCISHGE INPNCISNNEP CSNLKCVSNMEG
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and the second of the second o	UniRef90_E1RJQ7 UniRef90_A6LS55 UniRef90_UPI0003F80C1E UniRef90_D7EB02 UniRef90_W4UR72	T   C E V   V L N   I   X L N   I   X L N   I   X L N   I   X L N   I   X L N	K D E MI I I N K V T P K N Y E V V E K K T V R N F K V A S K K Q V R D Y E V V IE K K E V	ETPDELRGIVK QIPEHIEGVVK QMPDNLYAIVK	CKNPSCITSQEE CNNPKCITNNEP CVNPNCITNNEP CANPKCITNNEP

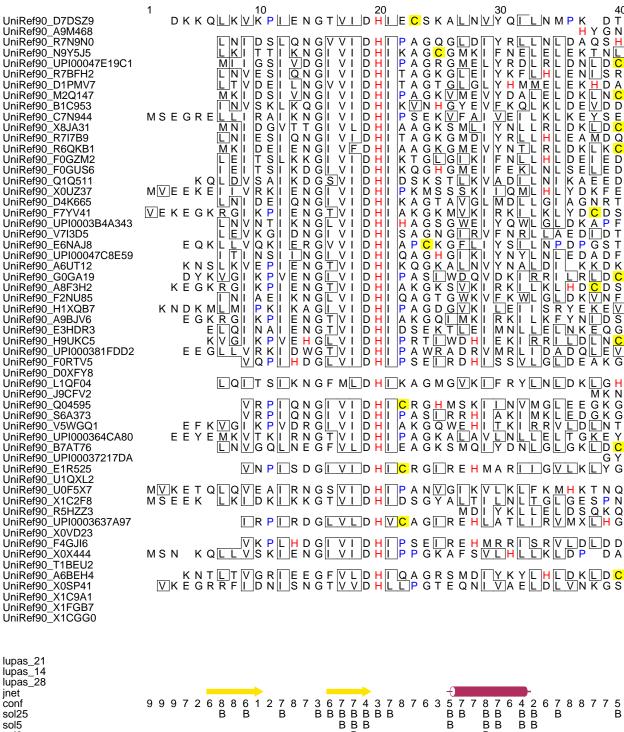
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UniRef90_L1N946	MQIVFHV VDKEQRILOCHYCEKEUNVEDV
UniRef90_W3ANP0	ELPQVFKI VDRTKALFR <mark>C</mark> VY <mark>C</mark> DTI VRSEE
UniRef90_N2BDA1	GLDHLFILTDEEKQVYRCKYCEEKHRN
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UniRef90_B6YRU2	METCFEVI DKDGI IIQCYYCEMRIRKEEI I
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UniRef90_L1MCL3	MPTRFTV SDGILSCHYCDMEQ
UniRef90_X5D764	LITTSFRVI NTNPVALKCKYCEKLTAEDQL
UniRef90_K3EAF1 UniRef90_K4MNG0	VITSKFNVSVD GCLRLRCTYCGRFISEDI
UniRef90_D4LTY0	GLDHVFILADPEKEVYR <mark>C</mark> KY <mark>C</mark> EEKYR
UniRef90_A3CW67 UniRef90_C9LHN6	MOTMEHSI KASKTI I OCHYCEKEI DVDE
UniRef90_R5P8T3	ELEQUELLA DKENEVYR <mark>C</mark> KY <mark>C</mark> EEKYN
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UniRef90_A7F131 UniRef90_R5HVG3	ELPHIFRLTDREHGVYRCLYCDTK
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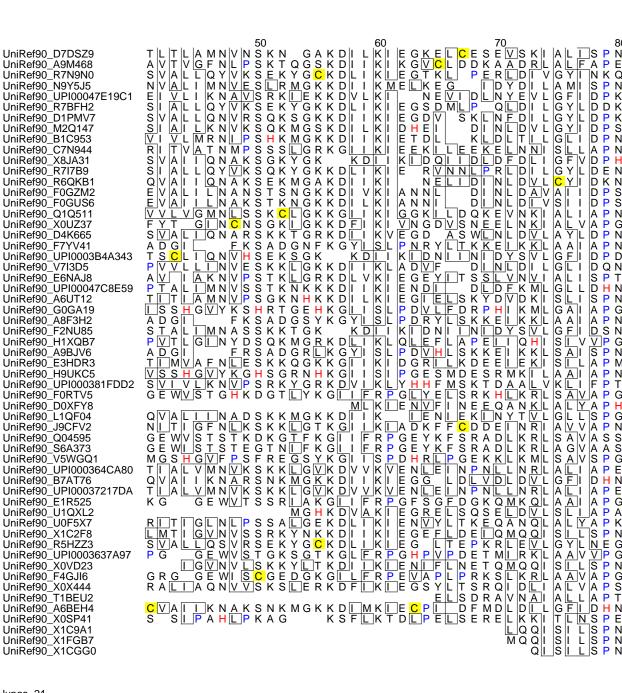
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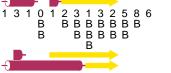
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ANCEHIFRMSSSKKYRCIYCCE
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