	1 10 20 30 40
QUERY	A T L K E Q L I A H V A Q Q S E T I S H Q K I T V L G V R Q V G M A C G S S I L A T L K D K L I S P I A E G A K L L P N N K I T I V G V G Q V G M A A A I S V L
UniRef90_B5G2G0 UniRef90_H0XWQ6	ATUK DQL I LINV LKEEQT PNNKI TV V GV G AV G M A CAI SI L STVKEQLI QNL VPEDK LSRCKI TV V GV G NV G M A CAI SI L ASTKGKLI HEMVPSKERPPHSKVTI V GV G QV G M A A AI SV L ATUK DQL LHNL LKEEQT AQNKI TV V GV G AV G M A CAI NI L
UniRef90_P00342	STVKEQLIQNLVPEDK LSRCKITVVGVGNVGMACAISIL
UniRef90_P33571 UniRef90_G3S0B2	A S T K G K L I H E MV P S K E R P P H S K V T I V G V G Q V G M A A A I S V L A T L K D Q L L H N L L K E E Q T A Q N K I T V V G V G A V G M A C A I N I L L
UniRef90_UPI000332F01E	1 10 20 30 40 A T L K E Q L I A H V A Q Q S E T I S H Q K I T V L G V R Q V G M A C G S S I L A T L K D K L I S P I A E G A K L P N N K I T I V G V G Q V G M A A A I S V L A T V K D Q L I L N V L K E E Q T P Q N K I T V V G V G A V G M A C A I S I L S T V K E Q L I Q N L V P E D K L S R C K I T V V G V G Q V G M A C A I S I L A S T K G K L I H E M V P S K E R P P H S K V T I V V G V G Q V G M A C A I S I L A T L K D Q L L H N L L K E E Q T A Q N K I T V V G V G A V G M A C A I N I L A T V R D Q L V R H I A A E E P R C H N K V S I V G C G S V G M A C A I S I L A T L K E K L I A P V V E E E A T V P N N K I T V V G V G Q V G M A C A I S I L A T V K G E L I Q H I S S E E P V L H N K V S I V G V G Q V G M A C A I G I I T S I K A R L L S T V V Q P I S T G R N K I T V V G V G Q V G M A C A F S I L A S A K L K F H T Q T T A P E K S S S G R K V T I V G Q Q V G M A C A F S I L A S A K L K F H T Q T T A P E K S S S G R K V T I V G Q Q Q V G M A C A V S I M A T L D Q L F Q P L Q Q K T F A T G N K V T V V G S G Q V G M A Q V S M M
UniRef90_F7FSV8 UniRef90_Q8BVP2	A T L K E K L I A P V V E E E A T V P N N K I T V V G V G Q V G M A C A I S I L A T V K G E L I Q H I S S E E P V L H N K V S I V G T G S V G M A C A L G I I
UniRef90_UPI000258E963	A T V K G E L I Q H I S S E E P V L H N K V S I V G T G S V G M A C A L G I I T S I K A R L L S T V V Q P I S T G R N K I T V V G V G Q V G M A C A F T L L
UniRef90_Q1EG91	A S V H E K L I S T V A D C A P E Q P R N K V T V V G V G Q V G M A C A F S I L A S A K L K F H T Q T T A P E K S S S G R K V T I V G A G Q V G M S I A F C F V
UniRef90_C0L8R0 UniRef90_UPI0002653D1E	A S A K L K F H T Q T T A P E K S S S G R K V T I V G A G Q V G M S L A F C F V T T L T S K L M D M V V D H L D D S S P T K V T I V G V G Q V G M A C A Y S L M
UniRef90_G6DPG5	ATL DQLFQPIQQKTEA TGNKVTVVGSGQVGMAAVFAML ATLKEKMIAPAAEQEATIPNNMITLVGVGQVGMACAISIL AIHKEKLIAPVAEEEATIPNNKITQVGVGQVGMAYVISIL STLKDKLVIQ TDKEPTTSPNKVSIVGVGDVGMACAFTLV
UniRef90_G1MBW7 UniRef90_M3WVX4	A T L K E K M I A P A A E Q E A T I P N N M I T L V G V G Q V G M A C A I S I L A I H K E K L I A P V A E E E A T I P N N K I T Q V G V G Q V G M A Y V I S I L
UniRef90_UPI0003F076AE	STLKDKLVIQ TDKEPTTSPNKVSIVGVGDVGMACAFTLV
UniRef90_H2KV10 UniRef90_M0S1I5	GTEPSARTKI TVVGAGSVGMAAAFSLM QQAAPPSPTKRHTKI SVI GAGNVGMALAQTLL
UniRef90_UPI00046EC3DA	N R V V V I G T G A V G T S Y C Y S MI
UniRef90_UPI0001E2DE6A UniRef90_L9KRK0	K K I TV V G A G F V G S T T A Y T L M LK D K L L A P V A E E E A K V P N N K I T G V G V G Q V G M V C A L S I L
UniRef90_L7EN55	KTTTKI SI I GAGF V GSTTAFAI M
UniRef90_A7Z152 UniRef90_R7AK09	N K V A L I
UniRef90_K8ZCV3	KTSRK <u>GV</u> I VGTGFVGTGLAYSL
UniRef90_L5NES4 UniRef90_U2DVD6	N R V A L I
UniRef90_K6C558	N R V A L I G T G F V G M S Y A F S M L
UniRef90_W6N6R2	KI SI I GAGFVGSTTAFSI M
UniRef90_UPI00047A6A82 UniRef90_E6MHG5	N K I V L V G S G A V G S S Y A Y A L L A A [N [Q K V G] I G T G F V G T S [A F T L L]
UniRef90_W4PZ51	K V V I I G T G F V G S S Y A Y A L L
UniRef90_R5Z283 UniRef90_E0UB82	MKKGK <u>V</u> VLV GTGF V GMSMAYAM L AEKPTP
UniRef90_K0YX46	T K S V N D R K V A I V G <mark>C</mark> G F V G S S S A F A L M
UniRef90_D4L419 UniRef90_E3DLE7	L N N R K V A V I G C G F V G A T S A F G L M L N P N K I A V I G A G G V G A T T A Y A L M M C C T T A Y A L M T T T T T T T T T
UniRef90_A0A022QZV6	L N P N K I A V I G A G G V G A T T A Y A L M S T P S P T K R P T K I T V V G V G N V G M A I A Q T I L L K E E L L C K F A E P V R D C C H K V T I V G S G M V G V A C A N S L L
UniRef90_UPI00021A707C UniRef90_UPI0004644CA6	LKEELL <mark>C</mark> KFAEPVRD <mark>CCH</mark> KVTI VGSGMVGVA <mark>C</mark> ANSLL KRKVALVGTG <u>M</u> VGMSYAYS <u>M</u> L
UniRef90_A0Q288	KKTKISIIGAGEVESTTAYALM
UniRef90_A6CLY3 UniRef90_UPI000307FC5D	K V A L G T G F V G S S Y A F A L L K K V <u>V</u> I V G T G F V G T A L A Y S I <u>V</u>
UniRef90_L7VQY7	KVĀI I GAGEVGSTTAFILM
UniRef90_R7QW70 UniRef90_R4FM74	R K A V G C G F V G S S C A F T L M V A K D L M T Q L S T P A S H S R N K L T V V G N G Q V G M A C A F A C L
UniRef90_U6HN46	KPRAKVTVVGSGSVGMACAFALM
UniRef90_A5N7Z2 UniRef90_E8SJA8	N K I SI V G Å G F V G S S T A F A I M K G N K V V I V G N G A V G A S Y A F T M M
UniRef90_D2RAI5	SSQVKPTKLAI I GAGAVGSTLAFAAA
UniRef90_U2NQZ5 UniRef90_R5UEY4	K G N K I S I I G A G F V G S T T A Y A L M M N L O K A A V L G C G F V G A S T A F S I V
UniRef90_UPI00027F721D	ATVKGELIKNVA EEKAÜHHNKÜSI VGSGSVGVACALSI L
UniRef90_Q8ELF0 UniRef90_R9BY17	N R IV V L I IG G G S IV IG IV S Y A F A L IM K N R K IV A I V IG T G IV IG S S T A F S II L
UniRef90_D4J714	NORKAALIG <mark>CGFVGSAT</mark> AFTLM
UniRef90_W7UXV4 UniRef90_J9P1U5	KI TI LIGAGNVIGASVAYTFA TLKDQPLQNL KEDHLPQNKI TVVIGVIGAVIGMAHVISI L
UniRef90_UPI000372A70E	RKVVIIGTGLVGTSYAYALL
UniRef90_R8W3L5 UniRef90_E0DE70	LINPRKIVAJVI GCGFIVGSSLAFSLI NKI VI I GAGDIVGIVAYAYAI V
UniRef90_UPI00047947C5	MKRNKI ŠVI GĀGNV GŠĀVĀ F HLM
UniRef90_C7HUI3 UniRef90_R6NDY6	
UniRef90_P16115	KUĞI VĞÜĞRVĞSSTAFALL
UniRef90_R5U9I4 UniRef90_G4Q7T9	MNRQKAAJI I JGCGFVGSSTAFAL M INARKITAJI VGCGMVGATSAFAJI M
UniRef90_UPI000219771A	MTTPTNEKNHQKVLLVGDGAVGSTFAYAMT
UniRef90_G8ZAG5 UniRef90_C4GBS2	LL L P L E R G S R H G H E P K I S I V G A G S V G T A V A F S I M M S N I I F N A N I N P R K I A M V G C G F V G S T S V V A I M
UniRef90_U6I6T7	HSTKVTVVGCGSVGTAVAFALA
UniRef90_V4GU78 UniRef90_UPI0002F7C4F4	N K V A II V G L G N V G S T L A Y A L T
UniRef90_W5Y3Z2	N K V V L I G A G D V G V A Y A L V
UniRef90_A9TJH9 UniRef90_Q27888	K QLF Q T LS G P P P A V K R T K V T V V G V G N V G M A C A Q T I L L M A C A Y S L L
UniRef90_B0JP45	PYAEKPAPLRPRKGVI I GVG QVG MACAY S ML
UniRef90_UPI000407F3BB UniRef90_R7GJS6	MACAYSIL PYAEKPAPLRPRKGVII GVGQVGMACAYSML
UniRef90_R5X364	K S K V G I I G T G M V G M S Y A Y S MV
UniRef90_V8C578 UniRef90_UPI0004707231	INIQKĀAVI G <mark>C</mark> GFVGASIAYT <u>IM</u> PPFKPNRVVVIGTGAVGTTTAYTLL
UniRef90_A3CN70	TATKQHKKVILVGDGAVGTTAYTILL
UniRef90_F8FFJ1 UniRef90_W8BJU3	TPFSKKTRI VVI GTGAVGSTTAYTLL VREKLIEPFGRPV NKTKRKVTVVG <mark>C</mark> GQVGMAVVMSI L
UniRef90_R5ZYA2	VREKLIEPFGRPV NKTKRKVTVVG <mark>C</mark> GQVGMAVVMSIL EKUSKRKI MLIGTGFVGMSFAYSLL
UniRef90_S0KKJ8	KSTAKRHQKVILVGDGAVGSSYAFALL
UniRef90_Q1YE15 UniRef90_C4LG72	LQQKDQPVARKKI ALIGSGMI GGTLA <mark>HLAS</mark> NKIVLIGAGDVGLAYAFALI
UniRef90_R5KS57	NRKLVI I GAGHVGTH CAAALS
JniRef90_K9XKY3	VFDNLFTSSSEEKFSPQPRKGVIIGAGQVGMA <mark>C</mark> AYSLL

QUERY UniRef90_B5G2G0 UniRef90_H0XWQ6 UniRef90_P0342 UniRef90_P33571 UniRef90_G3S0B2 UniRef90_F7FSV8 UniRef90_G8BVP2 UniRef90_Q8BVP2 UniRef90_UP1000258E963 UniRef90_Q1EG91 UniRef90_Q1EG91 UniRef90_G6DPG5 UniRef90_UP10002653D1E UniRef90_UP10002653D1E UniRef90_UP10003F076AE UniRef90_UP10003F076AE UniRef90_UP10003F076AE UniRef90_UP100046EC3DA UniRef90_UP10001E2DE6A UniRef90_UP10001E2DE6A UniRef90_L9KRK0 UniRef90_L9KRK0 UniRef90_L9KRK0 UniRef90_L7EN55 UniRef90_L9KRK0 UniRef90_L9KRK0 UniRef90_L9KRK0 UniRef90_L7EN55 UniRef90_L9KRK0 UniRef90_L9KRC0 UniRef90_L9KOX3 UniRef90_L9KOX3 UniRef90_UP100047A6A82 UniRef90_UP100047A6A82 UniRef90_UP100047A6A82 UniRef90_UP100047A6A82 UniRef90_UP100047A6A82 UniRef90_L5VX46 UniRef90_L5VX46 UniRef90_L6WYX46 UniRef90_UP100021A707C UniRef90_UP1000307FC5D UniRef90_UP1000307FC5D UniRef90_L7VQY7 UniRef90_L7VQY7 UniRef90_L7VQY7 UniRef90_L7VQY7 UniRef90_L7VQY7 UniRef90_UF10N46	## ## ## ## ## ## ## ## ## ## ## ## ##
UniRef90_D2RAI5 UniRef90_U2NQZ5 UniRef90_R5UEY4 UniRef90_UPI00027F721D UniRef90_Q8ELF0 UniRef90_R9BY17 UniRef90_D4J714 UniRef90_W7UXV4	QRGVAREIVLEDIAKERVEAEVLDMQHGSSFYPAVSIAGS LEGLASEIVIVDINKEKALAEAMDLSHGAAFVKAVD VRA QKGLFSELVLIDANKEKAEGEAMDLSHGRPFV HSMKIYA LKGLSDELVLVDDDEGKLKGETMDLQHGSPFMKMPKIVSS NQGVTEELAIIDLDADKALGDVMDLNHGKAFAPSLTNVWL TQGVCDEVVMIDINKEKALGEVMDLKHCIEYLNRNTKIKV
UniRef90_J9P1U5 UniRef90_UPl000372A70E UniRef90_R8W3L5 UniRef90_E0DE70 UniRef90_UPl00047947C5 UniRef90_C7HUI3 UniRef90_R6NDY6 UniRef90_P16115 UniRef90_R5U9I4 UniRef90_G4Q7T9	QSQLFSELVLVDVDFDKADGEAKDIAHGIPFAGQ MKIHA VAGTCSDIVLVDINKAKAKGEAMDIRQGVSFGENVEIFDG M QGVVNELVLIDLDQAKAEGEAMDLNHGMAFGNPMRIKA QRGLFSEMVLIDANQDKAEGEAMDLSHGLPY TATMDIHV NQGTCDHLAIIDIDEKKLEGNVKDLNHGVVWASSRTRVSK ISKIASDIVLYDIDNKKALGEALDIYQGTSLLAPVNVYA LGIGRELGIIDINEKKAEGDAMDLSDVJSTNPKHLYKA NQSVCDELALIDIDQQRAQGEAMDLNHGLAFSGSNMKIYA MKGFAREMVLIDVDKKRAEGDALDLIHGTPFTRRANIYA MKGFAREMVLIDDDADQKKAHGEAADIAHGRPFAHMMQIYA EQGLFSELVLIDADQKKAHGEAADIAHGRPFAHMMQIYA
UniRef90_UPI000219771A UniRef90_G8ZAG5 UniRef90_C4GBS2 UniRef90_U6I6T7 UniRef90_V4GU78 UniRef90_UPI0002F7C4F4 UniRef90_W5Y3Z2 UniRef90_A9TJH9 UniRef90_Q27888 UniRef90_B0JP45	TKGVTNTVVLYDIDEDRCNGEVMDLDQGSLFLESCRVIGGQSGIASEIVLIDADQNRAEGEAMDISHAIPFST TQHIYATQGVANTIVIYDIAKDKCEGEVMDMQQGCQFIDSCKIIGGLSGLATEIVLIDRNVHKAEGEAMDLMHAVPLVRPTRIYANQNICDELVLIDRNVHKAEGEAMDLMHAVPLVRPTRIYANQNICDELVLIDINKERALGEAMDLQHCVDFTTSRTKVSVNQGTVDHLAIIDIDEKKLKGNVMDLNHGVVWAPSRTRVTETQDLCDELALVDVVEEKLKGEMLDLQHAAAFLPGSKIMADQQNLANELCLVDVVEEKLKGEMMDLQHAAAAFLPGSKIMADQQNLANELCLVDVVEEKKLKGEMMDLQHAAAAFLPGSKIMAD
UniRef90_UPI000407F3BB UniRef90_R7GJS6 UniRef90_R5X364 UniRef90_V8C578 UniRef90_UPI0004707231 UniRef90_A3CN70 UniRef90_F8FFJ1 UniRef90_W8BJU3 UniRef90_R5ZYA2 UniRef90 S0KKJ8	N Q G L S D D I I L V D I N K K K A Q G D V M D L D H G I V Y A P S P M T I R Y N Q G L C E E I V L I D I N K E K A Y G E A L D M Q Q S V Y F M N R N I K V K A N Q G T C E E L V L I D I N K E K T E G E A I D L N H G L S F A P R K M K I Y S Q K G I F S E L V L I D A V M E K A E G E A M D I S H G L P F A H A M D I Y A L R R R M P E L V L I D V N H Q K A L G E A L D M N H G M P F A G G V K L W A N Q G I A Q E L G I I E I P Q E K A V G D A E D L S H A L A F T S P K K I Y A A L R G R M D E L V L I D A N A E K A K G D A L D M N H G M P F L G N T D V W A A Q N I S N E V C I I D A N A E K L V N G E S K D V Q Q G S L Y L R D A V I I G N S E R G I D E L V L V D V N A D K A K G E E M D L S D G L V Y A D T K M K I R A T Q N I A Q E V G I I D I D K A K T E G D A L D L S H A L A F T S P K K I Y A A L K D L G D V L F D I S E G T P Q G K A L D I A Q G P V E G F D G H L S G A N Q G V C D E L A I I D I D E K K T A G N V M D L N H G V V W A S S P T N V K V F Q N I C D E I V F I D K D E V K A K S Q A M D L A D S V C F L S S A P I I R T I Q N L L D E M I I V D V N Q H K L E G E V M D L N H G L P F V E P T L I R A
UniRef90_SUKXJ8 UniRef90_Q1YE15 UniRef90_C4LG72 UniRef90_R5KS57 UniRef90_K9XKY3	LKDLGD VVLFDI SEGTPQGKALDI AQGPVEGFDGHLSGA NQGVCDELAI I DI DEKKTAGNVMDLNHGVVWASSPTNVKV FQNI CDELVFI DKDEVKAKSQAMDLADSVCFLSSAPI I RT IQNLLDEMI I VDVNQHKLEGEVMDLNHGLPFV EPTLI RA

	90 100 110 12	20
QUERY	KEYSLTEGTKLAVVTAGVRQQEGESRLNLLQRNANVFIFI	20
UniRef90_B5G2G0 UniRef90 H0XWQ6	K D Y A V T A N S K I V V V T A G V R Q Q E G E S R L N L V Q R N V N V F K F I K D Y R V S A N S K I V I I T A G V R Q Q E G E S R L A L V Q R N V D I M K T I K D Y N V S A N S K L V I I T A G A R M V S G E T R L D L L Q R N V A I M K A I	
UniRef90_P00342	K D Y N V S A N S K L V I I T A G A R M V S G E T R L D L L Q R N V A I M K A I	
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UniRef90_G3S0B2 UniRef90_UPI000332F01E	K D Y N V T A N S K L V I I M A G T C Q Q E G E S R L N L V Q R N V N I F K F I T D Y K V T A H S K I V V I T A G A R Q E K G E S R L N L V Q R N V T I F K L V	
UniRef90_F7FSV8	KDYSVTANSKI I VVTAGVRQQEGESRLNLVQRNVNVFKFL	_
UniRef90_Q8BVP2 UniRef90_UPI000258E963	K D F R V T A N S E V V I I T A G A R Q E K N E T R L N L V Q R N V T I F K A M T D Y A S T A N S S L C I V T A G A R Q R E G E T R L D L V Q R N A D I F K G I	<u>L</u>
UniRef90_Q1EG91	K D Y S V T A N S R I V V V T A G A R Q Q E G E S R L N L V Q R N V N I F K H I	
UniRef90_C0L8R0	S D Y A L S A N S K L	
UniRef90_UPI0002653D1E UniRef90_G6DPG5	T D Y A V S E G S K I C V V T A G V R Q R V G E T R L E L V Q R N T D V L K V I	
UniRef90_G1MBW7	KDYSVITANSKII VVVITAGIL CQQQGDSWL NL VQKNVNVF FI	
UniRef90_M3WVX4 UniRef90_UPI0003F076AE	K D Y N V S A N S K L V I I T A G A R M V S G E T R L D L L Q R N V A I M K A I K D Y S V T A G S R L V V V T A G A R Q Q E G E S R L N L V Q R N V N I F K F I K D Y N V T A N S K L V I I M A G T C Q Q E G E S R L N L V Q R N V N I F K F I T D Y K V T A H S K I V V I T A G A R Q E K G E S R L N L V Q R N V T I F K L V K D Y S V T A N S K I I V V T A G A R Q E K G E S R L N L V Q R N V T I F K A M T D Y A S T A N S S L C I V T A G A R Q E K N E T R L N L V Q R N V T I F K A M T D Y A S T A N S S L C I V T A G A R Q E G E S R L N L V Q R N V N I F K F L K D Y S V T A N S R I V V V T A G A R Q R E G E S R L N L V Q R N V N I F K G I K D Y S V T A N S K L C I V T A G A R Q R E G E S R L N L V Q R N T E I L K D I L V Q R N T E I L K D I L V Q R N T E I L K D I L Y Q R N T D V L K D I T D Y A V S E G S K I C V V T A G A R Q R E G E S R L N L V Q R N T D V L K V I K D Y S V T A N S K I V V V T A G V R Q R V G E T R L E L V Q R N T D V L K V I K D Y S V T A N S K I V V V T A G V R Q R V G E G R S R L N L V Q R N V N V F K F I K D Y S V T A N S K I V V V T A G V R Q R V G E G R R L S L V N K N V Q I F K S I G D Y K V T A S K I V V V T A G A R Q V E G E T R L D L V Q R N V N V F K F I D Y K V T A S K I V V T T A G A R Q V E G E T R L D L V Q R N V D I F K S I D D Y K V T A S K I V V T T A G A R Q V E G E T R L D L V Q R N V D I F K R I P D Y A V T V D S D L C I T A G A R Q I P G E T R L D L V E K N A K I F K G M G S Y E D C G D A D L I V I T A G A R Q I P G E T R L D L V E K N A K I F K G M	
UniRef90_H2KV10	GDYKDTENSDI VVI TAGARQVEGETRLDLVQRNVDI FKRI PDYAVTVDSDLCI I TAGARQLPGETRLNL LQRNLSLFKEL	
UniRef90_M0S1I5 UniRef90 UPI00046EC3DA	P D Y A V T V D S D L C I I T A G A R Q L P G E T R L N L L Q R N L S L F K E L G S Y E D C G D A D L I V I T A G A P Q K P G E T R L D L V E K N A K I F K G M G D Y S D C K D S D I V V L T A G A N Q K E G E T R I D L V K K N T A I F K G I	ī
UniRef90_UPI0001E2DE6A	GDYSDCKDSDIVVITAGANQKEGETRI DILVKKNTALIFKGI	_
UniRef90_L9KRK0 UniRef90_L7EN55	K D Y S VT A N S K I V V M T A G V R Q E G E S C L N L V Q R N I N V F K F I G D Y K D T D N S D I V L I T A G A P Q K P G E T R L D L I N K N Y K I M N S I	
UniRef90_A7Z152	GTYEDCKDADII VICII CAGANQKPGETRILIEIL VIEKNILIAII IFKSII	-
UniRef90_R7AK09 UniRef90_K8ZCV3		L
UniRef90_L5NES4	GTÝ A DČK DÁDIÍ VÍCIÍ CÁ GÁN ŐK PGÉT RILIDIL VÍK KNÍLIALI JE ÚSLÍ	
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UniRef90_W6N6R2	GDYKDTEESN VII TAGSGQKPGESR L D L I NRN YS FKS	
UniRef90_UPI00047A6A82 UniRef90_E6MHG5	GSYKDCKDAALVVICAGAAQKPGETRLELVNKNVKIFKSIGDYDDLADAGLVIVTAGAAQKPGETRLDLVNKNVGIFKSIGTYEDCKDADLVVITAGAAQKPGETRLDLLEKNAKIFKSIGTYEDCKDADLVVITAGANQGPGETRLDLLEKNAKIFKSIGDYDECKDAEVVVITAGLAQKPGQTRLELTETNTKIMKSI	
UniRef90_W4PZ51	GTYEDCKDADLVVITAGANQGPGETRLDL <u>I</u> EKNAKIFKSI	
UniRef90_R5Z283 UniRef90_E0UB82	G D Y D E C K D A E V V V I T A G T A Q K P G Q T R L E L T E T N T K I M K S I S V A D V G Q D A D I V I I T A G A A Q K P G E T R L H L V E R N V A I F E N I	l
UniRef90_K0YX46	G D Y D D A S D A AIVITIV I IT A G A N Q R P G E T RIL IDIL VIK K NIVIAII IF K T II	
UniRef90_D4L419	G Y D D I M D A A I I V V T A G A N Q K P G E T R L D L V Q K N V G I F K S I	
UniRef90_E3DLE7 UniRef90_A0A022QZV6	GDYKDLDDAKLIIITAGAAQKPGETRLDLIKKNTGIFKNI VDYADTADSDLCIVTAGARQNPGESRLNLLQRNVALFRHI TDFCLTSNSKVIVITAGARQKKGESRLDLVQRNSEIMKNI	
UniRef90_UPI00021A707C	T D F CL T S N S K V I V I T A G A R Q K K G E S R L D L V Q R N S E I M K N I	
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UniRef90_A6CLY3	GDYCDTKDSDIVIITAGAAQKPGETRLDLIHKNYEIFKSM GDYLDCRDADLVVIITAGANQAPGETRLDLVDKNINIFKSI	_
UniRef90_UPI000307FC5D UniRef90_L7VQY7	GGYEECSNADVVIVTAGVNQKPGETRLALVERNAVIMKSIGTYKDIQDSDIIIISAGANQKEGETRLDLVQKNTAIFKNIGEYEDIADCAIVIITAGANQKPDETRLDLVAKNVGIYKHI	
UniRef90_R7QW70	GTYKDI QDSDI I I I SAGANQKEGETRLDLVQKNTAI FKNI GEYEDI ADCAI VI I TAGANQKPDETRLDLVAKNVGI YKHI	
UniRef90_R4FM74 UniRef90_U6HN46	SDYSLTKDSKVCIITAGARQQVGESRLDLMTKNVQIFQKI SDHALSSGSDVIVITAGVRQQPGESRLNLVQRNTDIYKDL	
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UniRef90_E8SJA8 UniRef90_D2RAI5	GEYSDCGDADLVVICAGAPQKVGETRLDLVEKNAKIYKDIDDVELCRDADMVVITAGARQKPGQTRLELAGATINIMKSI	
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	GNYDD AD CALVIVITAGANQK PGETRIDLIDKNWAI LKHI	
UniRef90_E0DE70 UniRef90_UPI00047947C5	GTYAD <mark>C</mark> ADAAMVVI <mark>C</mark> AGAAQKPGETRLQLVGKNMKIMKSI GTLEDTKNSDIVVITAGANQKVGETRLDLVNKNIQIYQTL	
UniRef90_C7HUI3	DYSDCKDAEI VVIITAGIIPQKSGESRLIDLI IEKNLIKII FKDM	Ī
UniRef90_R6NDY6 UniRef90_P16115	GGYQD <mark>C</mark> SDADII VAV <mark>C</mark> AGVAQKPGESRIDLLQRNTEVFQST GDYADLKGSDVVI VAAGVPQKPGETRLQLLGRNARVMKEI	ı
UniRef90_R5U9I4	GDYADIVIGO CGLIII TAGAAQKPGESRTALVIHKNVEIIYKTII	I
UniRef90_G4Q7T9	GDYDDI MDASI I VI TAGASQK V GETRL DLVKK NAAI FSSI GEYSDAK DADI VVI TAGAPQK PGETRL DLVNK NI NI LKTI	
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UniRef90_R7GJS6	[] [] [] [] [] [] [] [] [] [] [] [] [] [
UniRef90_R5X364 UniRef90_V8C578	GDYSDCKDADVVIIITASAPMPKDHDRLQMLAPSIKIIKSIGDYSDLSDAALVCIITAGPPPQEGETRLDTIHKSIAVMKNIGTYADLADASILIITAGANQKEGETRLDLVQKNAGIMRSI	
UniRef90_UPI0004707231	GTYEDCRDADII I VITAGASQKPGETRII IDIL LIRKNII ISII IFRDII	
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UniRef90_W8BJU3	T D Y K A S E D S A V C I I T A G E R Q K K G Q T R L D L L K T N V K I L T Q L	-
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QUERY	160 VG RV I G
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UniRef90_R6NDY6 V G P V V A S G F K G I F L V A T N P V D V M A H V T Q A L S G F D UniRef90_P16115 UniRef90_R5U914 A R N V S K Y A P D S I V I V V T N P V D V L T Y F F L K E S G M D UniRef90_R5U914 I P Q I T A Q N F E G I L L I V S N P V D I L T Y A A W K I S G Y P	PRKVLG PRKVFG KERVLG
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UniRef90_Q1YE15 UniRef90_C4LG72 UniRef90_R5KS57 UniRef90_K9XKY3	K S K V V G K E R V L G K N R V F G

QUERY UniRef90_B5G2G0	200 200 200 200 200 200 200 200 200 200
UniRef90_H0XWQ6 UniRef90_P00342 UniRef90_P33571 UniRef90_G3S0B2	T G C N L D S A R F R Y L I G E K L G V H P T S C H G W I V G E H G F S S V P I S G C N L D S A R F R Y L I G E K L G V N P T S C H G W V L G E H G D S S V P I S G C N L D S A R F R Y L M S E R L G V N S A S C H G W V L G E H G D S S A P V S G C N L D S A Q F R Y L M G E R L G V H P L S C H G W V L G E H G D S S A P V S G C N L D T A R F R F L M G Q R L G I H A D S C H G W V L G E H G D S S V P V
UniRef90_UPI000332F01E UniRef90_F7FSV8 UniRef90_Q8BVP2	S G C N L D T A R F R F L M G Q R L G I H A D S C H G W V L G E H G D S S V P V S G C N L D S A R F R Y L M A E K L G I H P S S C H G W I L G K H G D S S V A V S G C N L D T A R F R Y M L G Q R L G I H S E S C H G W V L G E H G D S S V P V S G T N L D S A R F R F L L S Q K L N V A P T S C H G W I I G E H G D T S V P I
UniRef90_UPI000258E963 UniRef90_Q1EG91 UniRef90_C0L8R0 UniRef90_UPI0002653D1E	S G T N L D S A R F R F L L S Q K L N V A P T S C H G WI I G E H G D T S V P I S G C N L D S A R F R Y M M A E K L G I H A S S F H G WI L G E H G D S S V P V S G T N V D S A R F R F L L S E R F K V A P N S I H G WI I G E H G D T S V P V S G T N L D T A R F R F L L G E K L G I A P S S V H G Y I I G E H G D S S V A V
UniRef90_G6DPG5 UniRef90_G1MBW7 UniRef90_M3WVX4	S G T NL D S A R F R Y L L S E K L A V A S T S C H G Y V I G E H G D S S V P V S R S Y L M G S R S Y L M A K T L G L H P S S C H G W L L G E H G D S S V A L S G C N L D S A R F R F I L G Q E L G T A P S S C H A W I I G E H G D S S V P V S G T N L D S A R F R F I L G Q E L G T A P S S C H A W I I G E H G D S S V P V T G T L L D S A R F R H L L G E K L G V S A N S V H A Y L I G E H G D S S V P V
UniRef90_UPI0003F076AE UniRef90_H2KV10 UniRef90_M0S1I5	S G T NL D S A R F R F I L G Q E L G I A P S S C H A WI I G E H G D S S V P V T G T L L D S A R F R H L L G E K L G V S A N S V H A Y L I G E H G D S S V P V S G T NL D S S R F R F L L A D H L E V N A Q D V Q A Y M V G E H G D S S V A L
UniRef90_UPI00046EC3DA UniRef90_UPI0001E2DE6A UniRef90_L9KRK0 UniRef90_L7EN55	SGTVLDSARERYQLSSHFNVDPRNVHASII GEHGDTELPV SGTVLDSARFRYLLGDHTGVDPRNVHAYI LGEHGDTEVAT NGCNLDSARFCYLVAEKLGI HPTSCHGCI LREHGNSSVAV
UniRef90_A7Z152 UniRef90_R7AK09 UniRef90_K8ZCV3	S G T V L D T S R F K Y M L S D H F N V D A R N I H T Y I M G E H G D S E I A T S G T T L D S A R F R Y M L S E Y F G A A P Q N V H A H I I G E H G D T E L P V S G T V L D T A R L K Y L L G A H L G V D S R S V H A F I I G E H G D S E L A V T G T S L D S T R L R M Q V A N K L N V D P R D V S A F I I G E H G D S E T A V S G T L L D S G R F R Y L L G E Y F D V T P Q N V H A N I I G E H G D T E L P V
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UniRef90_D4L419 UniRef90_E3DLE7 UniRef90_A0A022QZV6 UniRef90_UPI00021A707C	S G T V L D T A R L K Y E L G E H L G V D S R S V H A F I I G E H G D S E I A A S G T V L D S S R F R S L L S K N C G V A A S N V H G Y I I G E H G D S E V P V S G T N L D S S R F R F L I A D H L D V N A Q D V Q A Y I V G E H G D S S V A L S G T S L D S A R F R Y L I A D R I G I A P S S V H A C I I G E H G D S Q V P L
UniRef90_UPI0004644CA6 UniRef90_A0Q288 UniRef90_A6CLY3	S G T T L D T A R L R Y L L G E S L R V D P R N V H A Y V L G E H G D S E F V P S G T V L D T S R F R Y L L S E H F D I D A R N I H T Y I M G E H G D S E L A T S G T L L D T A R L R Y L L G D H F D V D A R N V H A Y I M G E H G D T E F P V
UniRef90_UPI000307FC5D UniRef90_L7VQY7 UniRef90_R7QW70 UniRef90_R4FM74	SGTTLDTARLRSGLSEYFNVDPRNIHTYIMGEHGDTEFAT SGTVLDTARFRYLIGEHVGVDVRNVHGYILGEHGDTELAA SGTVLDTARLKYLLGEHUKIDNRGVHAFIIGEHGDSSLAA AGTNIDTARFKOLVSAKFGINNGVNMWVLGFHGDSSVPV
UniRef90_U6HN46 UniRef90_A5N7Z2 UniRef90_E8SJA8	A G T N L D T A R F K Q L V S A K F G I N I Q L V N M W V L G E H G D S S V P V S G T T L D S A R F R F F L A Q R F G V D P Q S V H G I I I G E H G D S S V A V S G T V L D T S R L K Y I I S N E L H V D I R D V H G Y V M G E H G D S E I A A S G T I L D T A R F R H L I S E A F D V A P A S I H G Y I I G E H G D S E V P V
UniRef90_D2RAI5 UniRef90_U2NQZ5 UniRef90_R5UEY4 UniRef90_UPI00027F721D	S G T I L D T A R F R H L I S E A F D V A P A S I H G Y I I G E H G D S E V P V S G T N L D S A R L R F L I A Q H T G V N V K N V H A Y I A G E H G D S E V P L S G T V L D T S R F K Y M L S E H F E I D A R N I H T Y I I G E H G D S E I A A S G T V L D S A R F R Y L L S E H L D V D S R S V H A F I I G E H G D S E L A V S G C N L D S A R F R Y F I G Q R L G I H S E S C H G L V L G E H G D S S V P V S G T T L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L D T A R L R Y E L G E Y F H L S P K N I H A Y E L G E Y F H L S P K N I H A Y E L G E Y F H L S P K N I H A Y E L G E Y F H L S P K N I H A Y E L G E Y F H L S P K N I H A Y E L G E Y F H L S P K N I H A Y E L G E Y F H L S P K N I H A Y E L G E Y F H C T T T T T T T T T T T T T T T T T T
UniRef90_Q8ELF0 UniRef90_R9BY17 UniRef90_D4J714	S G T T L D T A R L R Y E L G E Y F H L S P K N I H A Y I I G E H G D T E L P L T G T S V D S A R L K N F I G D L F N V D P R S V Q A Y S M G E H G D S Q M V P S G T V L D T A R L K Y A L G E H L S V D S R S V H S F I I G E H G D S E I A V S G T A L D T S R L R S I I A D H V G L S P N S I H A Y V F G E H G D S S F I P
UniRef90_W7UXV4 UniRef90_J9P1U5 UniRef90_UPI000372A70E UniRef90_R8W3L5	SGTALDTSRLRSI I ADHVGLSPNSI HAYVFGEHGDSSFI PSG <mark>C</mark> NLDSARFHYRMGERLGVHPLS <mark>C</mark> HGCVLG HGDSSVPV SGT I LDTARFRYLLGEHFEVDPRNVHAYI I GEHGDSELPV SGT V LDTARFKNL LGEHFLDVDRNVHAVI I GEHGDSELAV
UniRef90_E0DE70 UniRef90_UPI00047947C5 UniRef90_C7HUI3	S G T V L D S A R F R Y M L G E R Y A V A P T S I H A Y I I G E H G D T E L P V S G T V L D T S R F K A A L A R R F N L D S R N I H G Y V I G E H G D S E I A V T G T T L D S S R F K K E I A N L I G I D P R S V E A F I M G E H G D S E F A V
UniRef90_R6NDY6 UniRef90_P16115 UniRef90_R5U9I4 UniRef90_G4Q7T9	T G T A L D T A R L R Y L L G E Y F S V D P R N V H A Y V M G E H G D S E F V P S G T V L D T A R L R T L I A Q H C G F S P R S V H V Y V I G E H G D S E V P V S G T V L D S A R F R Y L L S E H L Q V D S A S V H A M I I G E H G D S E L A V S G T V L D T G R L K Y L L G Q H L D V D P R N I D A Y I I G E H G D S E L P V S G T S L D T A R L Q K F V G E E L N V D P R S V N G Y I M G E H G D S E F A A S G T M L D T A R F R H L U G Q K L N L H P T A I H G Y V V G E H G D S S V P V S G T V L D S A R L K Y M L G E H L D V D A R N V H A Y V L G E H G D S E L V A
UniRef90_UPI000219771A UniRef90_G8ZAG5 UniRef90_C4GBS2	S G T S L D T A R L Q K F V G E E L N V D P R S V N G Y I M G E H G D S E F A A S G T M L D T A R F R H I L G Q K L N L H P T A I H G Y V V G E H G D S S V P V S G T V L D S A R L K Y M L G E H L D V D A R N V H A Y V I G E H G D S E I V A
UniRef90_U6I6T7 UniRef90_V4GU78 UniRef90_UPI0002F7C4F4 UniRef90_W5Y3Z2	S G T ML D T A R F K E I L G K K L H M S P N A I H G F V I G E H G D S S V P V S G T I L D T A R F R Y L L S T R F D V D P R S V H A F L I G E H G D S E V A V T G T S L D S S R L K S L L S Q H I K V D P R S I N G Y T L G E H G D S G F V A V L G S A R V R V M L G E M A D L A P T S V L G E H G D S E F D V
UniRef90_A9TJH9 UniRef90_Q27888 UniRef90_B0JP45	S G T NL D S A RE R F L I A Q H T G V N N K N V H A Y I I A G E H G D S E V P L S G T N L D S A R F R Y M L S E H F E D V A R N N V H A Y I I I G E H G D S E L A A V S G T V L D T S R F K Y M L S E H F E D V A R N N V H A Y I I I G E H G D S E L A A V S G C N L D S A R F R R Y F I I G Q R L G I H S E S C H G D T S Q M V P V S G C N L D S A R F R R Y F I I G Q R L G I H S E S C H G D T S E L A V S G C N L D S A R F R R Y F I I G D S R S V V S M G E H G D D S E L A V S G C N L D S A R F R R Y F I I G D S R S V V S M S F I I G E H G D D S E L A V S G C N L D T A R L K Y A L G E H L S V D S R S V V S F V L G E H G D S S E L A V S G T V L D T A R L K Y A L G E H L S V D S R N V V S M S F V L G E H G D S S E L A V S G T N L D T A R F R Y L L G E H F E V D D S R N V V S M S V L G E H G D S E L L A V S G T T V L D T A R F R Y L L G E H F E V D D S R N V V S M S V V S M S E F V P V S G T T V L D T S R F K A A L A R R F R N L D D S R N V W S G S E F W P V S G T T V L D T S R F K K A A L A R R F R N L D D S R N V W S M S V V S M S E F V P V S G T T V L D T S R F K K A E L A R R F N L D D S R N V W S M S V V S M S E F V P V S G T T L D T A R R L R T Y L L S E H L D V D P R S V V S G E H G D D S E L P V V S G T T V L D T S R F K K A E L A R R F N L D D S R N V W S M S V V S M S M V S M S M V S M S M V S M S M
UniRef90_UPI000407F3BB UniRef90_R7GJS6 UniRef90_R5X364 UniRef90_V8C578	S G T L D T A R F R Y L L S T R F D V D P R S V H A F T G E H G D S E V A V T G T S L D S S R L K S L L S Q H L K V D P R S I N G Y T L G E H G D S E L P V S G T V L D S A R Y R Y M L G E M A D I A P T S V H A Y I I G E H G D S S V P L S G T N L D S S R F R W L L A D H L H V N A Q N V H G Y I V G E H G D S S V P L S G T N L D S A R F R F L L S E K L N I A P S S C H G W I I G E H G D S S V A V S G T V L D S G R L R S L L S T Q L H V D A R N V H A Y I I G E H G D S E L A V S G T V L D T A R F R S L L G R E F G I A P I S V H G Y I I G E H G D S Q L P V S G T T L D T A R L R S A L G E K L N I N E K N I H A Y V I G E H G D S Q F V P S G T V L D T A R L R S A L G E K L N I N E K N I H A Y V I G E H G D S E L A V
UniRef90_V8C578 UniRef90_UPI0004707231 UniRef90_A3CN70 UniRef90_F8FFJ1	SGTVLDSARFRYLIGKHKEIDPRSIHGSIIGEHGDSEVPV SGTSLDSARFRQALAEKIGIDPRSVHAYIMGEHGDSEFAV SGTLDSARFRYLIGQELQVDPRSVHAHIVGEHGDSELPL
UniRef90_W8BJU3 UniRef90_R5ZYA2 UniRef90_S0KKJ8	S G T HL D T A R F R Y F I A K R L G V S A S S V Q G Y V L G E H G D S S V P V S G D V L D S A R L R F A I S Q K L N V A P A N V H A Y I M G E H G D S S F V S S G T S L D S A R F R H A L A D L I D V D A R N V H A Y I L G E H G D S E F P V
UniRef90_Q1YE15 UniRef90_C4LG72 UniRef90_R5KS57 UniRef90_K9XKY3	S G T V L D T A R F R S L L G R E F G I A P I S V H G Y I I G E H G D S Q L P V S G T T L D S A R L S C R L A D M Y H L D A K S V S A Y V C G E H G D S E M V T S G T T L D T A R L R S A L G E K L N I N E K N I H A Y V I G E H G D S E L A V S G T V L D T A R L K Y L I G K H K E I D S R N V H A F I V G E H G D S E L A V S G T V L D S A R F R Y L I G K H K E I D P R S I H G S I I G E H G D S E L A V S G T S L D S A R F R Y L I G Q E L Q V D P R S V H A Y I M G E H G D S E L P L S G T L L D S A R F R Y L I G Q E L Q V D P R S V H A H I V G E H G D S E L P L S G T L L D S A R F R Y F I A K R L G V S A S S V Q G Y V I G E H G D S S F V S S G T S L D S A R F R H A L A D L I D V D A R N V H A Y I M G E H G D S E F P V M A G V L D S S R F R T F L A D E F K V S V E D V T A F V L G G H G D T M V P L S G T V L D S A R F R S M L G D M Y D V A P S S I H A Y I I G E H G D S E L P V T G T S L D T A R T R R T V A D L C K V D P H S V I G E H G D S E V A V

	210 220 230 240	
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UniRef90_B5G2G0		
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UniRef90_F7FSV8 UniRef90_Q8BVP2	WS G V N V A G V C L Q E L P A M G T D K D P E N W K E I H K Q V V A S A Y E V WS G V N V A G V S L K T L P K L G T D S D K E Q W K N I H K Q V V C S A Y E I WS G V N V A G V T L K S L P A I G T D S D K E H W K N V H K Q V V C S A Y E I WS G V N V A G V G L Q S L P D I G T P K D G E D W K S V H K Q V V D S A Y E V WS G M N V A G V S L K P H P D L E T D K H K E Q W K E V H K L V V E S A Y E V WS G V N V A G V P L K E L S A L G T S H D P E R W G D V H K D V V A S A Y Q I WS G V N V A G V P L K E L S A L G T S H D P E R W G D V H K E V I A S A Y N I WS G V N V A G V R L D L N D K V G T P E D P E H W S D L H K Q V V D S A Y E V W S G V N V A G V R L D L N D K V G T P E D P E H W S D L H K Q V V D S A Y E V W S G A N V A G V R L D L N D K V G T P E D P E H W S D L H K Q V V D S A Y E I W S G V D V A G V R L D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I W S G V D V A G V R L D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W N D I H K Q V V D S A Y E I D L N D A G M E S D T E N W D I H K Q V V D S A Y E I D L N D A G M E S D T E N W D I H K Q V V D S A Y E I D L N D A G M E S D T E N W D I H K Q V V D S A Y E I D L N D A G M E S D T E N W D I H K Q V	
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UniRef90_G6DPG5	We civinivia cividii inii inid kii ice n n n d e n wk kii i <mark>u</mark> e niv vike a a v e ii	
UniRef90_G1MBW7 UniRef90_M3WVX4	WS GVNVT SVSLQELPEMGIDNNSENWKEVHKWVVLS AYKVWGVNVADVSLQELNPEMGIANDSENWKEVHKMVADSAYKVWSGVNVAGTLLKSLADTGLDASAKKLEGLHKKVVDSAYQIWSYANIAGVRLSSLPHIGTVDDPEDFSDIYQQVMKSAYHIWSSISVGGVPLSQFTKDVAAIEQGVLERIRKAVVDSAYEV	
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UniRef90_H2KV10	WSYANIAGVRLSSLPHIGTVDDPEDFSDIYQQVMKSAYHI	
UniRef90_M0S1I5 UniRef90 UPI00046EC3DA	WSSISVGGVPISQFTKDVAAIEQGVLERIRKAVVDSAYEV WSHAKI GINDMETVMKKENINGEDIDOIEVDVRDAAYOU	
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UniRef90_R7AK09	WSSANISGVDLDSF <mark>C</mark> DI <mark>C</mark> GA <mark>C</mark> DGETLHRLYEDVRTSAYKV	
UniRef90_K8ZCV3 UniRef90_L5NES4	WSHATI GGVPVMEWVERDERVHKEDI EELEI NVPDAAVOI	
UniRef90_U2DVD6	W\$ S S V G G V P S Q F T K D V A A F E Q G V E R R K A V V D S A Y E V W S H A K I G C M K K E N N Q E D D Q F V D V K N A A Y E W G S N M K K E N N Q C D C C C S K N K K K K K M K C A A Y E W G V N V A A Y E W S A N G V F V Q Q L E K H A A Y K Q D E D Q V D D V K N A A Y E W S A N G G V V Q Q L E K H A A Y K Q D E D Q V D D V K N A A Y H W S A N G G K F M M M E D G G T K E D D D V K D A A Y F W S A A T G G V V M E M D G E G T K E D D G G T K E D D T T E T T T T T T T	
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UniRef90_W6N6R2 UniRef90_UPI00047A6A82	WSSVNI AGTPV AKRUSEERKFAIIAVFVRDAAYFI	
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UniRef90_E0UB82	WSTANII IA GKILTIP DIN WENILISKIN EQEEILIE AITIY HIQIVIK NA AYDII	
UniRef90_K0YX46	WSTANVGGVPI NSFCELGFYEHEESMRRI AEGVKNSAYEI	
UniRef90_D4L419 UniRef90_E3DLE7	WSSANVSGI PLNTFCEMGHFNHDDSMERIAANVRNSAYEI WSLTNIAGQIKNYCPICDKVCKEEELEQISSKVKNAGYEI	
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UniRef90_A6CLY3	WS HATI GASPLREMINMDSLQTQRELEEI FVNVRDAAYHI	
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UniRef90_R4FM74	YSSLRVGDVSLVGCKKSDCGEFK QWEEVYEAVRISAYEI WSKVTVGGCNLHINPAVGTDSDIENFGQVHKDTVGAAYEI WSLASINGIPLKEYYKLSHDFSKEHEEKILNCVRNAAYEV WSGATIAGVSL YEQLKNDPEKSHLIEDIYVNTRDAAYDI WASATIGGVPMCDWNALHEPLDAAKREEIHQEVVNAAYKI WSLTNIAGISADYCEKMCKRCDSSFKNDIPKQVKDAAYNI	
UniRef90_U6HN46 UniRef90_A5N7Z2	WSKVTVGG <mark>C</mark> NLHINPAVGTDSDIENFGQV <mark>H</mark> KD <u>TVG</u> AAYEI WSLASINGIPLKEYYKLSHDFSKEHEEKILN <mark>C</mark> VRNAAYEV	
UniRef90_E8SJA8	WS G A T I A G V S L Y E Q L K N D P E K S H L I E D I Y V N T R D A A Y D I	
UniRef90_D2RAI5	WASATI GGVPMCDWNALHEPLDAAKREEI HQEVVNAAYKI	
UniRef90_U2NQZ5 UniRef90_R5UEY4	WSLT NI A GI S A DYCEKMCKRCDSSFKNDI PKQVKDA A YNI WSSANVA GI IHDFCELRGHYEHDA A MERI YKEVRDSA YEL	
UniRef90_UPI00027F721D	WS GIVINII IA GIVIPIL IDIL IN P DII IG T D K D P E Q WE NIVI <mark>H</mark> K KIV VIS S G Y E M	
UniRef90_Q8ELF0 UniRef90_R9BY17	WSTATI GTVPLLTYLNRSESYTTEDLDDIFTNVRDAAYRI WSHVYVGGKPFSKVLKDNKDRDLDLDKLAMETAQAGWEVY	
UniRef90_D4J714	WSSANVAGVPLDQFCEMGHYNHETAMKETAESVKNSAYEI WSLMNIAGVPVDEYCADQDHADLD EDEILDEVRKAGAEV	
UniRef90_W7UXV4	WSI MNI A GVPVDEYCADQDHADLD EDEI I DEVRKAGAEV	
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UniRef90_UPI000219771A UniRef90_G8ZAG5	WS KIVITIVIG G KIL VID A Y P KITIG Q A G D P D D F A SIVIH K A IV VID S A Y FII	
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UniRef90_UPI0002F7C4F4	WS LANI AGMSLTDYYPKCLQPDDPDNFASVHHDVVQSAYEI WSLANI AGMSLTDYCKTNQMCSDDDLTQIFTQTRDAAYHI WSHLTI GGKPMQI LEEHKEMLGHLDEI IDQVRKAGFEI VSSANI GGVPLAR QAEKEPGFNERI EEI FEQTRDAAYHI WSSVSVGGVPLAFLKHKQIEYTIDTLTEL HKMVVDGAYEV WSGVNVAGVTLEIKPDI GEKTDNEHWEEI HKKVVDSAYEI WSSANI GGRLLEGDWQDLSAADQESLTEI FLQVKNAAYEI WSSANI GGRLLEGDWQDLSAADQESLTEI FLQVKNAAYEI WSSANI GGKSVEDVLKDNAERTKDATKERHAVLEDGWOLF	
UniRef90_W5Y3Z2	VIS SANI G GVELLAR QAEKEPGFNERI E EL FEQTRO A A YHI	
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UniRef90_V8C578	WS Y A L C G P K P I Y H F A A K N K G I S F E E L S E I E D E V R N I A Y K I WS C A N I Y G I P V E K F A E L R R Q K F S E E M K E I Y C S V R D S A Y E I WS L A N I S G G I E L G F N D E T R E E I Y Q N T K N A A Y E I WS H A N V A G V K L E Q W L Q A N R D L N E Q D L V D L F I S V R D A A Y S I WS L S N I A G G Q L S L S E E K K A E I F A N T R D A A Y Q I WS A V S V G G I R F R D L S K C G A E G D T D Q W H E V H N Q V V K A A Y E V	
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UniRef90_UPI0001E2DE6A UniRef90_L9KRK0 UniRef90_L7EN55 UniRef90_A7Z152 UniRef90_R7AK09 UniRef90_K8ZCV3 UniRef90_L5NES4 UniRef90_U2DVD6 UniRef90_U2DVD6 UniRef90_W6N6R2 UniRef90_W6N6R2 UniRef90_UPI00047A6A82 UniRef90_E6MHG5 UniRef90_EW4PZ51	I K K K G I Y Y A V A L A V R R I V E A I V R N E N S I L I V S S L L D G H Y G I K L K G Y T N W I G L S M A D L T E S M L K N L S R I H P V S T M V K G M Y G I N K K G T Y Y A V A L A I R R I V E A I L R D E N S I L T I S T L L N G Q Y G I E K K G A T Y Y V A M S L A R I T K A I L R N E N S I L T V S T Y L D G Q Y G I E K K G T Y Y A I A L A V T R I A R A I V R E E H S V L P V S A Y V N G H Y G I D R K G Y T N F I G L S T A R V V K A I L N D E H A I L P V S A Y F E G Q Y G I E K K G A T Y Y I A M G L A R I T K A I L N N E N S I L T V S A P L A G E Y G I K R K K A T Y Y I G M S L A Q V T K A I L N N E N S I Y T I S S L V D D Y Y G I E R K G A T Y Y I A M G L V R L T K A I L E N E N S V L T V S A Y L D G E Y G I E R K G S T Y F A A L A V R R I V E A L S R D E N S I M T V S A L F S G E Y D I K A K G A T Y Y I A M G L I R I T K A I L R N E H V V L P V G A L V E G E Y G I Q K K G A T Y Y I A M G L V R L T K A I L R N E H V V L P V G A L V E G E Y G I Q K K G A T Y Y I A M G L V R L T K A I L R N E H V V L P V G A L V E G Y G I Q K K G A T Y Y I A M G L V R L T K A I L R N E H A V M P V S V N M R G I Y G I E R K G A T Y Y I A M G L V R L T K A I L R N E N S V L T I S T L L K G Q Y G I E R K G A T Y Y I A M G L V R L T K A I L R N E N S V L T I S T L L K G Q Y G
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UniRef90_W7UXV4 UniRef90_J9P1U5 UniRef90_UPl000372A70E UniRef90_R8W3L5 UniRef90_E0DE70 UniRef90_UPl00047947C5 UniRef90_C7HUI3 UniRef90_R6NDY6 UniRef90_P16115 UniRef90_R5U9I4 UniRef90_G4Q7T9 UniRef90_UPl000219771A	I E R K G A T Y Y I GLGL V R L T K A I L N N E N A I L T V S A K L E G Q Y G I A R K G A T Y Y I A M A V G R I A E G I V R D E H A V L P I S V V L D G E Y G I E A K G S T S Y I G M G L A R I T R A I L Q N Q D V A L P V S A L L N G E Y G I S R K Y T N Y A V A V A V A V T K I C T A I L R D E R S I M T V S S F L D G Q Y G I D K K G T F Y G I G M A L A R L V E A I I N D Q N S V F S T S S Y L D G E Y G I S A K K S T Y Y I G M A M V R I T R A I L G D D H S V L T V S S M L H G E Y G I E R K G T H Y A I A L A V A D I V E S I F F D E K R V L T L S V Y L E D Y L G I E E K G A T Y Y V A M A V T R I A A A L I R D E G A V L P V S S L M Q G E Y G I K K K K A T Y Y I A M G V R R I C S A I I R D E K S V L P V S V Y L D G E F G
UniRef90_G8ZAG5 UniRef90_C4GBS2 UniRef90_U616T7 UniRef90_V4GU78 UniRef90_UP10002F7C4F4 UniRef90_W5Y3Z2 UniRef90_A9TJH9 UniRef90_Q27888 UniRef90_B0JP45 UniRef90_UP1000407F3BB UniRef90_R7GJS6	I E K K H A I Y Y V A S A V R R I A E V I L K D E K S I L P V S S L ME GE Y G I K L K G N T A W I G L C S A L C S S I L K N K G E V I P V T T C I K G Q L G I E R K G T Y Y A I G T G L E R I I E A V L R D Q S T V L S V S S L I D D Y Y D L N R K G T T Y Y I G C A L A S I T R S I F N D D H K I I A V S T I L D G E Y G I D A K G S T S Y I G M A L A R I T R A I I Q N Q D V A L P V S A Y I D G H Y G I K L K G Y T S W I G Y S V A S L V K S L L R D Q R R I H P V S V C A Q G F H G I K L K G Y T S W I G L S V A K I A Q G I F S N S R N V F A L S T N V K G F H G I K R K G Y T S Y I G L A T T D I V K A I L R S Q E R I L T I S T L L D G Q Y G I E M K G A T Y Y I A M A L A R I T K A I L R N E Q V V L P V G T L L E G E Y G N R K G N T C Y G I A A A T T A I V K S I L F N E N R I Y P V S V H L D G K Y G
UniRef90_R5X364 UniRef90_V8C578 UniRef90_UPl0004707231 UniRef90_A3CN70 UniRef90_F8FFJ1 UniRef90_W8BJU3 UniRef90_R5ZYA2 UniRef90_S0KKJ8 UniRef90_Q1YE15 UniRef90_C4LG72 UniRef90_R5KS57 UniRef90_K9XKY3	K A K R A T Y Y G M S L A R T K A V L D N E N S L S V S S Y L D G E Y G K R K G A T Y Y G M A A A K A E A L V R D S H T V A P V S V H L N G E Y G N A K G A T S Y A L A L D R V E A L S N E G A V L N V S T L L K D Y N G N K K G A T Y Y A V A L A R T K A I L D D E N A V L P L S V F Q E G Q Y G E A K G T Y Y A A L A L D R C T A L R S E A A V L N V S T L L K D Y H G A G K G Y T N W G L T V A S L V S M L D N K N E V A T V S T L A R E R E G E L K R A T Y Y G L A L K R V T C V L N N E R A L P V S S Y Q Q G E Y G E K K G T F Y G L A V S L A R L T R A L D N E N A V L P L S V Y L D G E Y G V K T G S A Y Y A P A S S A L Q M A E S F L K D K K R V L P C A A S L K G E Y G D A K G S T S F I G M G L A R I T R A V L Q N Q N V V L P V S A Y L Q G E Y G N G K S T E F G G A A L A D M A K A V L T N E H R V L P A S V L L E G E Y G Q R K G A T S Y L G L A V A Q L V Q S I L R N Q N R V L T V S S L I N G L H G

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UniRef90_A3XCN3 UniRef90_Q92F65		MARPKII	ALIGAGNIGGTLAHLAA
UniRef90_E7GB17		_ ŘKV	V L I G T G M V G M S M A Y S L M
UniRef90_T0CBH1 UniRef90_R6PTM0	KOEL	SLKSRKI	AIIIGTGLVGSS <mark>C</mark> GFALV
UniRef90_D1C2T1	K Q L I	RPKV	T V V G A G A V G A T T A Q Y L A
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UniRef90_D1C099		KL	AIVGAGAVGSTLAYAAL
UniRef90_UPI0001E2E7B0 UniRef90_U7KVG4		K S K S K V I	V L I G A G D V G V A Y A F A L I
UniRef90_R5VC80		K V [TV V G A G N V G A T C A N C L A
UniRef90_A7X6Y1 UniRef90_B0PD75		MNASKIV	<u>V</u>
UniRef90_W7CFK8		RKV	ALIBATGFVGSSFAYALV
UniRef90_R7JT82 UniRef90_R5ECL1		SKI	TILLIGA G SIVIGS TILLA Y TILLS
UniRef90_W2BRJ8		_ SKL	SIVGAGAVGSSLAYAAM
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UniRef90_R7EXD5		MNIRKC	AIII G C G N V G A T T A Y T L M
UniRef90_R5LCD6		M N L Q K C	AVIGS GOVGATTAFTLV
UniRef90_A0A023X3H2 UniRef90_M1MES6		RKRKI	SVIGAGFVGATAAYALM
UniRef90_H1LGM6		AQNRQKV	ALIGDGAVGSSYAFAMM
UniRef90_R9GY43 UniRef90_R9LEP8		Q M S S S R V	V V I G V G A V G S I I A Y I L L V I I G T G A V G A T T A Y T L L
UniRef90_R6CBK8		SKI	TILIGAGSVGSTDAYTLS
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UniRef90_C5XRJ6		KV	SVIGAGNVGMALAQTI L
UniRef90_UPI0003B36BF8 UniRef90_U4TKM1	ILASTT	EKDHQK V	A L V G A G N I G G T L A H L A A V V L I G A G G N I G G T L A H L A A L A L I G A G G N I G G T T A A F Y S L M A A I L V G A G G N V G G S S Y A A L M A A I L A A A M A A I L G G G G T L A A F Y S L L M A A I L I G G G G G T L A A F A L L M A A I L I G G G G G G T L A A F A L L A A C V V L I G G G G G G T L A A F A L L A A C C G G G G G G G G G G G G G G G G
UniRef90_UPI00047854C6		RKKV	TIIGAGFVGST <mark>C</mark> AHWIA
UniRef90_R6H1A5 UniRef90_V6Q4M9	SN	NT H S K E K II	I L V G A G D V G S S Y A F T L V
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UniRef90_M3WZL2 UniRef90_UPI00047E2A89	IVRUELIKNFISEE	KKV	<u>S </u>
UniRef90_A0A023DCC0		KTTRKV	AIIGTGLVGSSAAYSII
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UniRef90_I9M5S3		TKNKL	VI VGTGNVGSAVLN <mark>C</mark> AL
UniRef90_E8WVI7 UniRef90_E6LF27		R K K V S K S K V	AII VIGAGNIVIGATAAH WEA
UniRef90_W9BRL0		MARNKI	ALIGAGNI GGTLAHLAA
UniRef90_UPI00036269BF UniRef90_I4AIL3		MARKKI KV	V I V G I G N V G S A V L N V A L T I V G A G N V G A T A A H W L A A I V G S G L V G S S T A F S L I A L I G A G N I G G T L A H L A A A L V G A G N I G G T L A H L I G T V V G A G N V G A T C A D V L A S V I G A G H V G S T L A M R I A S V V G V G S T G A T T A I M I A S V V G A G G T G A T T A I M I A
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UniRef90_U6ITN0 UniRef90_W7YV58	PLAPNVF		
UniRef90_UPI000411DC59		TUNRKKV	SVVGAGFTGATTAFLIA
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UniRef90_V4NVA5		MARAKI	ALLIGS GMILIGGTILIA HILIA A
UniRef90_D9RXX0 UniRef90_UPI0002192FC6		K N T	GIIGTGYVGSTTAFALM VLIGAGEVGVAYAYAIV
UniRef90_F0HET9 UniRef90_A5D2J2		R R V	GIIGTGLVGAT <mark>C</mark> GYA <u>LI</u> TIVGAGNVGAT <u>A</u> AHWA <u>A</u>
UniRef90_UPI00041677F3		N S K L	A I V G A G S V G T S I A Y A A L
UniRef90_R6C5E7	0.0	NKV	I
UniRef90_UPI0003827A8F UniRef90_UPI00035FE4BB	5 5	HRDKII	V V I IG A G N I V I G E A I I I A Y T I L I M
UniRef90_N9Y6U4 UniRef90_E8MJ15		TIKNTKV	AL VIGT GIL VIGS STAFSIL VI
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UniRef90_B6BK81		RRV	GIVGAGEVGATAAYSLT
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UniRef90_UPI000476629C UniRef90_UPI00024904E4	— T 1/2	R K K V	TII VIGSGNVIGATAAFLAA
UniRef90_D1KDK0	1 1	NKI [SI I GAGRVGESTAQMLA
UniRef90_F2I4J4 UniRef90_K9VLQ6		LHDAKI	LIGDGSVGSAFAY <mark>HNV</mark>
UniRef90_A0A022KZ81		SKL	V L V G S G N V G S S Y A F A M A S I I G A G R V G S S Y A F A M A S I I G A G R V G S S Y A F A M A I L L I G D G S V G S A F A Y H N V S I I G A G K V G S T L A Q R I A T V V G A G A V G S S V A Y A A L S I I G A G N V G A T L C Y W L A
UniRef90_D1B1Z2 UniRef90_F8WZT9		KKIVI	S
UniRef90_H1H5L9		K IV I	TILLIGAGNIVIGAT <mark>C</mark> ADIVI IA
UniRef90_U2UA26	MCCCFF	RKSRV	VIIAGIVIGNIVIGATTAYSIIII
UniRef90_UPI00035F367A UniRef90_R6VA23	MSSSFP	MNNRKII	All I G C G Y V G A A I A F I II M
UniRef90_UPI000289CA07		SVRHRKV TQNHQKV	<u>T</u> V V G A G F <u>T</u> G A T T A Y <u>L I </u> A
UniRef90_UPI000249225B UniRef90_W4W7T5		K V	T I V G A G M I G V A L A N S L L
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UniRef90_Q1Q6E9 UniRef90_U7V8P0		ΚL	GILLIGAGGIVIGSATAYAAT
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UniRef90_UPI00036269BF UniRef90_I4AIL3 UniRef90_E4U8E1 UniRef90_UGITN0 UniRef90_W7VV58 UniRef90_W7VV58 UniRef90_W4QDI0 UniRef90_W4QDI0 UniRef90_V4NVA5 UniRef90_UPI0002192FC6 UniRef90_UPI0002192FC6 UniRef90_F0HET9 UniRef90_UPI00041677F3 UniRef90_UPI0003827A8F UniRef90_UPI0003827A8F UniRef90_UPI00035FE4BB UniRef90_UPI00035FE4BB UniRef90_UPI00035FE4BB UniRef90_B6BK81 UniRef90_B6BK81 UniRef90_UPI0002886A52 UniRef90_UPI0002886A52 UniRef90_UPI0002886A52 UniRef90_UPI00024904E4 UniRef90_UPI00024581 UniRef90_F2I4J4 UniRef90_A0A022KZ81 UniRef90_D1B1Z2 UniRef90_D1B1Z2 UniRef90_UPI00035F367A	A K E L A D E V L L D V A E E G P Q G K A L D L L Q A M P L K R V S I V V T T Q G V G D E V L M I D I N E E K A A G E V R D L L R V S C V V L G F D A K K I T G V T L K K G L G D V V L F D I N E G K A A L D L L R V S C V V L G G F D A Y T G G V T D L R R V S I V T G V T T G V T T K E L G D V V L F D I N E G F A A G G K A L D L A E S T P V L G G V A Y T G V T T V T T T T R E L G D V V L V D I V E G V P Q G K G L D I A A E S T P V L G G V A Y T G V T T T T T T R E L G D V V L V D I V E G F P Q G K G L D I A A E S T P V V L G G T S Q T T V T G G T S A A L A D L X A G S A P V V L V D I V E G F A E G K A A L D L A S Q S P V V L N D V T T V T T G G T S A A L A D L X A G S A R P V V L V D I V E G F A P G G K A A L D L A S Q S P V V L Q G F S S N V T T G G T S A A L A D L V V L V D I V E G F A E G K A A L D L A S Q S P V V Q G G F S S N V T T G G T S A A L A D T L A A I V T L A A I V T T T T T T K G L A S T L A A I V T L D I V E G M P Q G K A A L D M L E A S S P V V Q G F S S N V T T T T T K G T S A A L A D T L A A I V T L D I N E D P T T K G K A A L D M L E A S S P V V Q G F S S N V T T T T T T K G T T T T T T T T T T T T	
UniRef90_R6VA23 UniRef90_UPI000289CA07 UniRef90_UPI000249225B UniRef90_W4W7T5 UniRef90_I0ALH5 UniRef90_U7V8P0 UniRef90_U7V8P0 UniRef90_A3ZNV9	QSGLFSEMVLLDVDRKKAEGEAMDIMHGMPFAMPTQIHA QKELAD VVLVDIMESPTRGKALDMRESSPLLGFSKITGT IQGIAEEIGIVDVIKERTEGDALDLVDATGY TYPKKIYS FQRITSHIAMVDVFPKKLEGEGMDYNHGSVFIGDPKIEYD QRQLGD VVMYDIVEDLPQGKCLDIAEASRIDGFDLVVGT EKELGD LVLLDIVQDMPQGKALDLEAGPVYGYNTKITGA LRGSASEIVLYDIDGKRAHAEALDIAHGSMFAHEANIIGG AAELGD IVLLDIPEDMPKGKALDLMQSSPLMGFSNVIGT	

UniRef90 K8EE42	90 100 110 120 NNYEDTAGSD IVVI TAGMARKPGMSRDD LL NMNAG IV RS V
UniRef90_F3ZYV6	GDYSD <mark>C</mark> KDARILLLISAGANQKPGFSRMDILKRNASIEKDI
UniRef90_I3TQ09 UniRef90_A3XCN3	N D Y S A L A G A D V V I V T A G I A R K P G M S R D D L L A I N A K I V G Q V S D Y S A L A G A D V C I V T A G V A R K P G M S R D D L L G I N L K V M K S V
UniRef90_Q92F65	N YSD <mark>CH</mark> DADII VVVITAGTAOKPGETRII IDII VINRNII IKII IMKGII
UniRef90_E7GB17	GNYQECRDSDIVVI <mark>C</mark> AGANQKEGQTRLELTKUNTNIVKDI
UniRef90_T0CBH1 UniRef90_R6PTM0	GNYQECRDSDIVVICAGANQKEGQTRLELTKINTNIVKDI AKFEDCKDVDIIIFTAGAAPKPGQTRLDTLGVSAAICOSV GSYDDLVDADIIITAGANQKPGETRLELVKKNVAIYKNI
UniRef90_D1C2T1	NDYEALAGSNIVI VIIISGSPRKPGMSRDDILLIRIVINMNII VIRSIVI
UniRef90_UPI0003675586 UniRef90 D4LCA2	NDYADIAGADVVIVTAGVPRKPGMSRDDLLGINILKVMKAV GSYVDAEDSDIVILTSGIARKPGQSRLELAQTNVNITKSI
UniRef90_R5NYU5	G D <u>Y D D V</u> A D A G
UniRef90_D1C099 UniRef90_UPI0001E2E7B0	GIDYSDIVIKDADIVI I I II AGANRKPGE I RII IDII IAKKNIVISII IAKEII I
UniRef90_U7KVG4	GTYAD <mark>C</mark> ADADMIVVI <mark>C</mark> AGAAQKPGFTRII IDII VIGKNIVIKII IMNSII
UniRef90_R5VC80 UniRef90_A7X6Y1	N D Y A A T Q D S E V V V I T S G L P R K P G M S R D D L I S T N A G I V K S V G E Y E D C K D A D L V V I T A G A P Q K P G E T R L Q L V E K N T K I M K S I
UniRef90_B0PD75	GDYKD <mark>C</mark> GDADI VVI TAG <u>P</u> PPKEGQTRLDSLDLSKKI IDSL
UniRef90_W7CFK8 UniRef90_R7JT82	GDYKDCGDADIVVITAGPPPKEGQTRLDSLDLSKKI IDSL GDYADCKDAALVILTAGINQKPGQSRLDLVDTNAKI TEQV GEYEDAKDSDIVIITSGIARKPGQTRIELTQTNVNI LKSI
UniRef90_R5ECL1	GDYADAADSDII VIIIISGII IGRKAGQSRII IDILIAQINIVINII IMKDII I
UniRef90_W2BRJ8 UniRef90 UPI000428FE0E	D D V D S T A D S D V V V I T A G A K Q Q P G Q S R L D L A G S T V K L M Q N I S D Y K D T A D S D I V V I T A G L P R K P G M S R D D L I S T N A G I M R S V
UniRef90_D9QU51	G YQE <mark>C</mark> QDAD VII TAGASQEPGETRLD L <u>T</u> KRNV E FKD <u>M</u>
UniRef90_R7EXD5 UniRef90_R5LCD6	GDYKDII INDAYII VI VITAGANQII IPGETRII IDII I INKNASII IEKKII
UniRef90_A0A023X3H2	N D <u>Y</u> A E T A N S D V V V I T S G S P R K P G M S R <u>D</u> D L L E T N Q N I <u>V</u> G S <u>V</u>
UniRef90_M1MES6 UniRef90 H1LGM6	G S E E T K D S D V T A G A A Q K E G E T R D L E K N Y K F K S F G D Y K D C A D A D L A V I T A G A P Q K P G E T R L D L V N K N L K I M Q A I
UniRef90_R9GY43	G T Y E D <mark>C</mark> K D A D
UniRef90_R9LEP8 UniRef90_R6CBK8	
UniRef90_E7G9A4	G S Y D D <u>V</u> D A G L V T A G <u>A</u> N Q K P N E T R <u>L</u> D L V K <u>K</u> N V S F K S .
UniRef90_G4R6B6 UniRef90_C5XRJ6	T D M S IV IT R G S DII IAII VIT A G A R QII IP G F T R II INII I IQ R N IV IAII IF R K II
UniRef90_UPI0003B36BF8	NHYEDTKDSD VVI TAGLLARKPGMSRDD L L L KNAE V SG
UniRef90_U4TKM1 UniRef90_UPI00047854C6	A E Y S D A K D A D V V V I T A G A P Q K P G E T R L D L V N K N L K I L K S I N G Y E E T R D S D V V I L T S G A P R K P G M S R E D L L R V N A E II T A G N
UniRef90_R6H1A5	G YEDCADAQIIILTAGVARKPGQTRLDLAKTNVSITRDI
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UniRef90_M3WZL2	K D Y L V S A N S N P V I I LA G A C P G K G Q T C L D V V K R N V P F F K L M
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UniRef90_UPI000427009F	GSYDM <mark>C</mark> SDVDVVVITAG <u>A</u> PPKKGQTRLD <u>T</u> LELSAKIVESI
UniRef90_Q3AS98 UniRef90_I9M5S3	
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UniRef90_E6LF27 UniRef90 W9BRL0	A T Y A D C H D V D I L V I T A G A P P K P G Q S R L D T L D M T A N I A K S I N N Y A D I A G A D V I I V T A G V A R K P G M S R D D L L G I N L K V M K A V
UniRef90_UPI00036269BF	N D Y T A IL IK G A DIV V I VIT A GIV IP R K P G M S R D DIL I IE II IN A KIV IM A S IV I
UniRef90_I4AIL3 UniRef90_E4U8E1	G D Y A RTA N S D V V V L T S G L P R K P G M T R D D L I A T N S K I V N E V N D Y A D [] A G S D M V L T T A G V P R K P G M S R D D L I E [] N G K I A L T M
UniRef90_U6ITN0	K D Y T Y T S H S D V V F I A A G V R Q A <u>V</u> G E S R <u>L</u> N L I Q R N <u>V</u> E I <u>Y</u> K T I .
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UniRef90_V4NVA5	N D Y A D A D A D V C I V T A G V P R K P G M S R D D L L G N L K V M K A V
UniRef90_D9RXX0 UniRef90_UPI0002192FC6	S D Y A D I K D S D V V I I I A G M A R K P G M S R D D L V A N N A G I M K S V N A Y E A I E G A N V I I V T A G V A R K P G M S R D D L L G I N L K V M E Q V S N Y E E T K D S D V V V I T A G I A R K P G M S R D D L L G I N L K V M K A V N D Y A D I A D A D V C I V T A G V P R K P G M S R D D L L G I N L K V M K A V G D Y R D L K D A S V V I I S A G P S I S K G E T R L D L A S K N Y K V F R K I G T Y D D C A D A T L V C I C A G S A Q K P G E T R L D L V D R N V A I F R D I A S Y E D C K D V D I I I F T A G A A P K K G Q T R L D T L G V S A V I C E S V N N Y E D T A D S D V V I V T A G V A P K K P G M S R D D L L N T N Y K V S S V
UniRef90_F0HET9	ASYEDCKDVDIIIETAGAAPKKGQTRLDTLGVSAVICESV
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UniRef90_R6C5E7	GDYTDCRDAKLIVIAAGANQNPGETRMDLINKNSKIFKSL
UniRef90_UPI0003827A8F UniRef90_UPI00035FE4BB	NDYQDIANSDIVVIIIAGLPRRPGMIRDDLIQVNGKIVIEI G YEE <mark>C</mark> ADAKIIIITAGIARKPGOTRUDIAKTNVSIVKSU
UniRef90_N9Y6U4	A D V S E V C DIVIDIV V V I IT A C A D D K D C O T PII ID TII IC M T A DII VIK S II
UniRef90_E8MJ15 UniRef90_V2ZHL6	GDYADCKDADI VVI TÜĞRKPPANSNRMA EL GFTÜĞL VĞEV GTYDDLADCGLVVI TAGVNQKPGETRLELI GRNAAI LKSI EDAKDLKDCDI I VVTAGVPRKSDMTRADLLMUNAKI MKDV
UniRef90_B6BK81	EDAKDLKDCDI I VVTAGVPRKSDMTRADL LMINAKI MKDV
UniRef90_UPI0002886A52 UniRef90_B4LKK2	T SIVIE CTKD S RIV V V V T A GIVIR CNQN E S RILIKIV A QKS A GILIK EII
UniRef90_UPI000476629C	OILIY A D T A N S DIV V V L IT A GILIA R K P G M S R D DIL L IN T NIVINIL LIR DIVI
UniRef90_UPI00024904E4 UniRef90_D1KDK0	GEYSDCADADLVVITAGAPQKPGESRLDLVNKNLKILSTI SDLSNLQDSNIIIITAGMPRKPGMDRADVLALNLKILDEL TYEDCKDADIVVETAGLPQKPGETRLDLVDKNLPIEKDM
UniRef90_F2I4J4	TYEDCKDADIVVETAGIPQKPGETRLDLVDKNLPIEKDM
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UniRef90_D1B1Z2	S D Y Q A L A Q S D I V V I T A G T P R K P G M S R D D L L L V N A N I T K G I
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UniRef90_I0ALH5 UniRef90_Q1Q6E9 UniRef90_U7V8P0 UniRef90_A3ZNV9	A E N V K Q Y A P N A I S I I I S N P L D A M V T L Y K K I T G F P E N R V M G T E N I A K T S P N A I L I I V S N P L D A M T Y V A Y K I S K F P R R R I I G L P D L M S V A P G A I Y M L V T N P C D V L T V V T Q K I T G L P A N R V L S T E Q V A K Y S P N C V I I V V S N P L D A M V Q Q A L K V S G F P P A R V L G

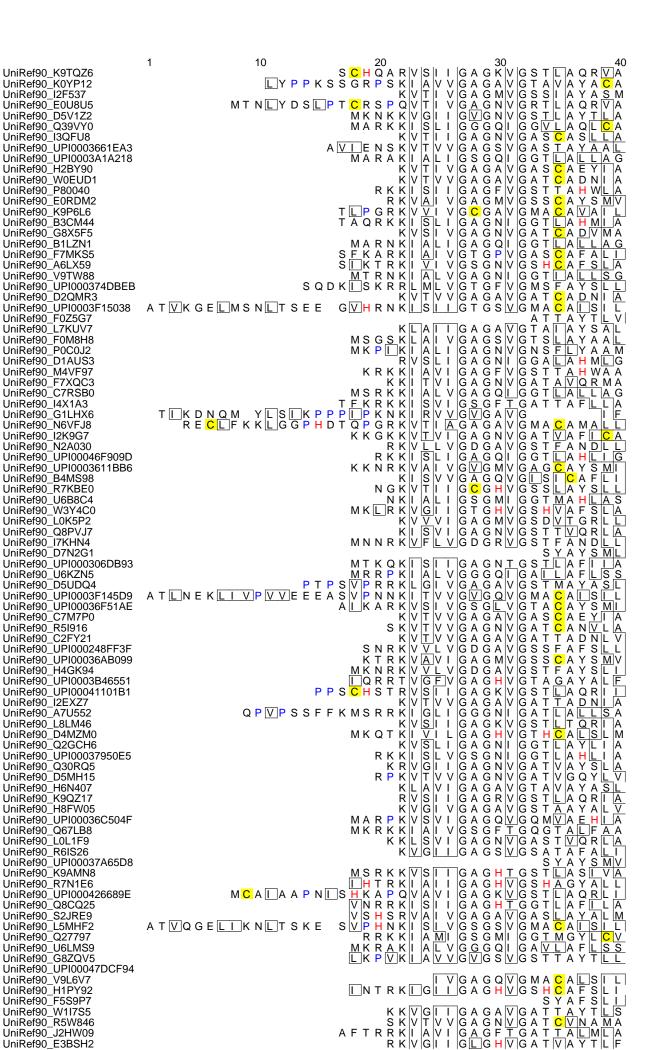
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UniRef90_K9VLQ6 UniRef90_A0A022KZ81	WSHVLVGGQPIEKFASDNRLDQQARQDEITDYVRNKAYDIPRYSTVKGIPIDRLMDAGAIDRLLQRTRHGGAEIWSTATIGTVPLEWRGEDGTGFDRAELERIAVDVRDAAYTV
UniRef90_D1B1Z2	PRYSSIVING IVIAILINDILLISIVIEEMNEILLIEKTRYGGAQII
UniRef90_F8WZT9	VRLATYK GIPVT DL SKEALDKV VA DT MVG GATL
UniRef90_H1H5L9 UniRef90_U2UA26	URLATYKĞI PV SEMLTAAEQEEV <mark>C</mark> KSTMVGĞATL WDSANUGGKNUSDVMRDNAERTAGKTKEFULRVQAGWDUF
UniRef90_UPI00035F367A	WDSANIGGKNISDVMRDNAERTAGKTKEELLRVQAGWDIFPRYSTVNGIPITELLPETTIDK
UniRef90_R6VA23	FSSANIVISGII IDII IRDEYDM <mark>C</mark> QPDEQDDTERII IYDQIVIKDSAYKII
UniRef90_UPI000289CA07 UniRef90_UPI000249225B	UQYSYAGGI PIDRLISR ERI DALLERTRKGGGEI
UniRef90_W4W7T5	IQYSYAGGIPIDRLISR ERIDALIERTRKGGGEI YSSATIGGVPFLNW ANEHNISQDELDKMEDDVRNKAYTI WSGVNVAGQFRDVIPNIGLETDDEKWFEISKYVVKLGSLVI
UniRef90_I0ALH5	VIRYANIVINGII IPAMEILLIEKDKNKAKEIVIMTAMIVIERTKOAGGEIV
UniRef90_Q1Q6E9	TRYTTI A GV PVEELI PQERLNEIVERTRNGGAEI WSAANI GMV PLTEWEHNGKLFTQDVRDSLAHDAMRAAYNV
UniRef90_U7V8P0 UniRef90_A3ZNV9	PTCTSVGGIPIRRL LSQDKLDALVDRARKGGAEI
J	E Q Q D K E D A E V A K K O G A E II

UniRef90_K8EE42 UniRef90_F3ZYV6 UniRef90_I3TQ09 UniRef90_A3XCN3 UniRef90_Q92F65 UniRef90_E7GB17 UniRef90_T0CBH1 UniRef90_D1C2T1 UniRef90_D1C2T1 UniRef90_UP10003675586 UniRef90_D4LCA2 UniRef90_B5NYU5 UniRef90_D1C099 UniRef90_UP10001E2E7B0 UniRef90_UP10001E2E7B0 UniRef90_UPKVG4 UniRef90_B0PD75 UniRef90_B0PD75 UniRef90_B7JT82 UniRef90_R5VCB0 UniRef90_R5VCB0 UniRef90_W7CFK8 UniRef90_R7JT82 UniRef90_R5ECL1 UniRef90_W2BRJ8 UniRef90_UP1000428FE0E UniRef90_UP1000428FE0E UniRef90_D9QU51 UniRef90_D9QU51 UniRef90_R5LCD6 UniRef90_A0A023X3H2 UniRef90_C5XRJ6 UniRef90_C5XRJ6 UniRef90_C5XRJ6 UniRef90_UP10003B36BF8 UniRef90_UP10003B36BF8	250 VK S G S A Y Y A P S A S V M Q M A E C I L K D K K R I L P V S A Y L Q G E Y G G Y Y G S K K G T Y Y A V G L A V R R I T E A I L L R N E N S V L T V S T L V E D G Y Y G V K T G S A F Y A P A A S A I Q M A E A Y L K D K K R V L P C A A K Y C D G D L G Y Y G Y K T G S A F Y A P A A S A I E M A E A Y L K D K K R V L P C A A Y C D G H Y G Y K T G S A F Y A P A A S A I E M A E A Y L K D Q K K R V L P C A A Y C D G H Y G Y K T G S A F Y A P A A S A I E M A E A Y L K D Q K K R V L P C A A Y C D G H Y G Y K T G S A F Y A P A A S A I E M A E A Y L K D Q K K R V L P C A A Y C D G H Y G Y K K R V L P C A A Y C D C H Y G Y K Y C P C A A Y C D C H Y G Y C Y C Y C Y C Y C Y C Y C Y C Y C
UniRef90_UPI00047854C6 UniRef90_R6H1A5 UniRef90_V6Q4M9 UniRef90_S7PVK8 UniRef90_M3WZL2 UniRef90_UPI00047E2A89	VKIGSAYYAPSAAIVQMVEAILKDKKRILPASVLMEGEYG KLKGATFYGVAMSTSRIVEAICEDENSVLPVAHVLGEKFG IQRKSTHYGIAVALARITQAIFNDQNAILPLSVLLEGEYG VKMKCHTNWAGLSVVNLMESVLNYLRRVHPISTLTKDLYG
UniRef90_A0A023DCC0 UniRef90_UPl000427009F UniRef90_Q3AS98 UniRef90_E8WVI7 UniRef90_E6LF27 UniRef90_W9BRL0 UniRef90_UPl00036269BF UniRef90_UPl00036269BF UniRef90_UFl00036269BF UniRef90_UFIN0 UniRef90_UFIN0 UniRef90_UFIN0 UniRef90_W7YV58 UniRef90_UPl000411DC59 UniRef90_W7QDI0 UniRef90_W4QDI0 UniRef90_V4NVA5 UniRef90_D9RXX0 UniRef90_D9RXX0 UniRef90_D9RXX0 UniRef90_D9RXX0 UniRef90_F0HET9 UniRef90_F0HET9 UniRef90_UPl00041677F3 UniRef90_UPl00041677F3 UniRef90_UPl000411677F3	L K R K G T T Y Y I G N A L A F I I K S I F N D D H K I I A L S C V L D G E Y G Y N R K G T T Y Y I A T A L V A I I K A I L N D E N K I I M P V S A F L D G E Y G L K S G S A Y Y A P A A S T V E MIL E A I A R D E N K I L P C T T L L D G Q Y G L N L K G C T N S I A M A A C H L A R A V L F N E R S I F P V S T T L Q G E Y G N K K G T T Y Y G I A S A C V G I I K A I L F D E N K I I P V S T L L E G E Y G N R K G T T Y Y G I A S A C V G I I K A I L F D E N K I I P V S T L L E G E Y G N R K G S A Y Y A P A T S A I A M A E A Y L K D C A A W V E G Q Y G V K L M S A W Y A P A A S A V Q M A E S Y L K D Q R R V L P C A A W V E G Q Y G V K L M S A W Y A P G A A A A Q M V E A I V K N Q R R V F P V C V K L D G E Y D V K T G S A Y Y A P S A G A F E M A K A I I K D E K R I L P V A A Y L E G E Y G I R L K G Y T S W G C C A N L C S A L L N D R N V V I P L T T N V N G L Y D V N L G S A Y Y A P A A S L V Q M T E A I L K D K K R I I P V I A R M E G E Y G V N L G S A Y Y A P A A S L V Q M T E A I L K D K K R I I P T I A Y L E G E Y G V K T G S A Y Y A P A A S L T Q M V E A I L K D K K R I I P T I A Y L E G E Y G V K T G S A Y Y A P A A S L T Q M V E A I L K D K K R I I P T I A Y L E G E Y G V K T G S A Y Y A P A A S L T Q M V E A I L K D K K R I I P T I A Y L E G E Y G V K T G S A Y Y A P A A S L T Q M V E A I L K D K K R I I P T I A Y L E G E Y G V K T G S A Y Y A P A A S L T Q M V E A I L K D K K R I I P T I A Y L E G E Y G V K T G S A T S F A A L A I A K I V K S I L R D E N S I L T V S T Y V R S L Y E I D A K G S T S F I G T G L A R I T R A V L Q N E D V V L P V S A L L D G E Y G K Q K G T T Y Y G I A A A V V G I I K A I F Y D E Q I I M P T S A M L E G E Y G V K T G S A Y Y A P S A S A V Q M A E A V L K D K K R I L P V A A Y L N G E Y G K Q K G T T Y Y G I A A A V V G I I K A I F Y D E Q I I M P T S A M L E G E Y G V K T G S A Y Y A P S A S A V Q M A E A V L K D K K R I L P V A A Y L N G E Y G K C C C C C C C C C C C C C C C C C C
UniRef90_UPI0003827A8F UniRef90_UPI00035FE4BB UniRef90_N9Y6U4 UniRef90_E8MJ15 UniRef90_B6BM31 UniRef90_B6BK81 UniRef90_B6BK81 UniRef90_UPI0002886A52 UniRef90_UPI00024904E4 UniRef90_UPI00024904E4 UniRef90_D1KDK0 UniRef90_F2I4J4 UniRef90_F2I4J4 UniRef90_K9VLQ6 UniRef90_A0A022KZ81 UniRef90_A0A022KZ81 UniRef90_B1Z2 UniRef90_B1Z2 UniRef90_H1H5L9 UniRef90_UPI00035F367A UniRef90_UPI00035F367A UniRef90_UPI000289CA07 UniRef90_UPI000289CA07	V Q L L K Q Y Y A P A S S A C V M V E A M L R H Q R R I L P L A A H L T G Q Y G L K L K G T F Y G I A M A V S N I V E T I M K D D D A I L P V A H V L D E S F D Y K R K T T Y Y A I A T A T V G I I I K A I L N N E N R I I P V S T L L E G E Y G V A A K G G T N F I A S T V A G I V Q T I L W D E R R I V P V S T L L D G E Y G I K R K G A T Y Y I A M A V G R I A E C I V K D E H A I L P I S V T L E G E Y G V K G T S A Y Y A P G R A I S V M V E A I L D D S R L V M P S S V M L D G E Y G I K S K G A T Y Y I A M A V G R I A E C I V K D E H A I L P I S V T L E G E Y G I K S K G A T Y Y I A M A V V A M L E A I L K D D S R L V M P S S V M L D G E Y G I K S K G A T Y Y I A M G L A R I T V T D V V S A I F E N S N R I M S L S T N A Q G M C G L K T G S A Y Y A P G A A V V A M L E A I L K D Q N R I L P C A A H L E G E Y G I N L K G T F Y G V A T A L M R I S K A I L R D E N A V L P I G A S L E G E Y G I N L K G T F Y G V A T A L M R I S K A I L R D E N A V L P I G A S L E G E Y G I N L K G T F Y G V A T A L M V E A I V H N K H R L L P C I T M L E G E Y G I N G K G A T Y Y I G S C I N R I C R A I L N N E R A T L P C V Y L H G E Y G I N G K G A T Y Y I G S C I N R I C R A I L N N E R A T L P C A T L L E G E Y G I R G K G T N Y A P G A A G A V V V E A I L H D Q K K V V T C C V Y L H G E Y G I R G K G T N Y A P G A A G A V V V E A I L H D Q F K K V V T C C V Y L Q G E Y G Q R K G N T C Y G I A A S T T A I I K S I L F D E N R I Y P V S V M L D G A Y G M Q T G S A F Y A P A S S A C A M V E A I L Y N K S R L L P I A A Y L Q G E Y G Q R K G N T C Y G I A A S T T A I I K S I L F D E N R I Y P V S V M L D G A Y G M Q T G S A F Y A P A S S A C A M V E A I L Y N K S R L L P I A A Y L Q G E Y G I C E C I M R N E H S I L T V S G V Y L D G E Y G I C S C S A Y Y A P A A A L F Q M A E A I L K D K R R V L P A I A Y L D G E Y G I Q K K G T F Y G V A A A L A R I S R A I L R D E D T V L P V S V Y M D G Q Y G Y G Y G G S A F Y A P A A A L R I S R A I L R D E D T V L P V S V Y M D G Q Y G Y G Y G G S A F Y A P A A A L R I S R A I L R D E D T V L P V S V
UniRef90_W4W7T5 UniRef90_I0ALH5 UniRef90_Q1Q6E9 UniRef90_U7V8P0 UniRef90_A3ZNV9	RCLKGYSNATGLSAADIIAAILRNSQTIMSVSTLVQGHHDVKLGSAFYSPASAAIAMAESIIYDEKRVLPVCAYLNGEYGVKTGSAFYAPSAAVVEMVEAVLKDKRKIAPCTALCEGEYGIAGKSTNYAIGVSASRIAEAFLQGQNAVLPVSTTMAGKMYVKTGSAYYAPAAATSQMVEAIIKDKKRLIPCAAYCDKEYG

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UniRef90_D5V1Z2 UniRef90_Q39VY0 UniRef90_13QFU8 UniRef90_UP10003661EA3 UniRef90_UP10003A1A218	LRELGD VVMFDI VEGLPQGKMLDI SQMLPMINTEL VSA QKDI VKKI VLLDI IEKLSEGKSLDI SQMLPMINTEL IGIS IRGSARHVALYDI ATQKVEAEVLDLAHGTQFTGSSDI IGG
UniRef90_H2BY90 UniRef90_W0EUD1 UniRef90_P80040 UniRef90_E0RDM2 UniRef90_K9P6L6	RKELASELVLLDIKEGVAEGKAMDLIMQTATLINGFDSKITG RKELASELVLLDIKEGVAEGKSIDMMQTAALLGFDTKIKG AKELGD IVLLDFVEGVPQGKALDLYEASPIEGFVRVTGT NQSLCDEIMMIDRTYDRALAHALDLSHCMDFTSTRTKVRA HRGCQEELVLVDVAHDRLEGEVMDLCHGLPFLPRTDLRAG
UniRef90_B3CM44 UniRef90_B8X5F5 UniRef90_B1LZN1 UniRef90_F7MKS5 UniRef90_A6LX59	YRGI ASEI V L L DIVSDGI PQGKAL DI I ESSPI DRNIVNI I GI YRGI ASEI V L L DI REGFAEGKAL DI SQCATNTGFNT L GVT L K DL GD V V L F DI VDGVPQGKAL DI AEAAPVEGFARYAGA NQCMCEEI L MI DL N K T I V K GETL DL S HAI EY MPLRTKI K V I QGI C D EI V MI D K I E K KANAEAV DL SDT L SYLPHYVKSKK
UniRef90_V9TW88 UniRef90_UPI000374DBEB UniRef90_D2QMR3 UniRef90_UPI0003F15038 UniRef90_F0Z5G7	LKNLGD VILFDSVDGLPQGKALDIAEASSILEGFSCVFSAHEKGIDELVLVDVNEDKARGEAMDLADGLVYADTKMKVYARRELAHEVVLLDIKEGISEGKSLDMLQASTLLDCDVKLTGLKGLSDELALVDASEDKVKGETMDLQHGSPFMKMPNIESGLFNEMVLIDIDKRKAEGEALDIGHGIPFTVPSDILYA
UniRef90_L7KUV7 UniRef90_F0M8H8 UniRef90_P0C0J2 UniRef90_D1AUS3 UniRef90_M4VF97	MR G D A R T I V L Q D I N K A K V E A E A L D M A H G I Q F T P C G S V E G S I K G V A R E I A L V D I N R E L A K G Q A M D L S H G N A Y V R P M R I H G E K N L A D V V L I D I V E G L P Q G V A L D L I E A Q L E S H D S Q I I G T S K G I C G K I V L K D I R E N I V K A M A L D I S Q A A N A A S S S T L V S A L R E L G D V V M F D I V E G L P Q G K M L D I A E G P V D G F D V C L K G T Q K D I V K K I V L D I I E K L S E G K S L D I S Q M P M N T E I I G I S I R G S A R H V A L Y D I A T Q K V E A E V L D L A L A G T Q F T G S S D I I I G G I K E L A S E I V L L D I K E G V A E G K A M D L M Q T T A A L L G F D T K L K G A K E L A S E L V L L D L K E G V A E G K A M D L M Q T A A L L G F D T K L K G A K E L A S E L V L L D L K E G V P Q G K A L D L Y E A S P L E G F V R V T G T N Q S I C D E I M M I D R T Y D R A L A H A L D L S H C M D F T S T R T K V R A H R G O Q E E L V L D L N K E G F A E G K A L D L S H C M D F T S T R T K V R A H R G O Q E E L V L D D I R E G F A E G K A L D L S H C M D F T S T R T K V R A H R G O Q E E L V L D D I R E G F A E G K A L D L S H C M D F T S T R T K V R A H R G O Q E E L V L D D I R E G F A E G K A L D I S Q C A T N T G F N T L G V F A G C A T N T G F N T L G V F A S P L C D L R L G D V L L D L K E G V P Q G K A L D L S H C M D F T S T R T K V R A G C A T N T G F N T L G V F A S P L D L R A G G C A T N T G G F A R T K L K V T G T A A L L G D V L L D L R E G F A E G K A L D L S D T L S Y L P H Y V K S K K K C D L G D V L L D L K E G L S E G K S L D L A E A S F L L D C D V K L T G L K S C V F S A L D L A E A S F L L D C D V K L T G T C T C T C T C T C T C T C T C T C
UniRef90_I4X1A3 UniRef90_G1LHX6 UniRef90_N6VFJ8	QKELGD VVLVDI MENPAKGKALDMAEAAPVLGFARVLGT VEDLADELALVDVMEDKLKGET ATFSLECQKLSL CKGVTNHVALFDDQKEWAAAERLDMLHGSMFINNPRI EQC
UniRef90_I2K9G7 UniRef90_N2A030 UniRef90_UPI00046F909D UniRef90_UPI0003611BB6 UniRef90_B4MS98	QRNLARHLVIHDIRYDWAKAEALDLLHA <u>S</u> CWLKNPHIEA <mark>C</mark>
UniRef90_R7KBE0 UniRef90_U6B8C4 UniRef90_W3Y4C0 UniRef90_L0K5P2 UniRef90_Q8PVJ7	L K E L G D L V L L D I V D S M P R G K A L D I S E S A P E C F D A N L Y G I L Q G E A D V L Y M M D I D E K K A G A Q A M D I N D A V S Y I P H H V T A T A A G C S I S E L V L V D I N O D K A E G E M M D V S D T S V V D B S A S I E M
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UniRef90_UPI0003F145D9 UniRef90_UPI00036F51AE UniRef90_C7M7P0 UniRef90_R5I916 UniRef90_C2FY21	NQSLSDELMMIDRTYERAVANALDLSHCMDFTSTRTKVSA IKDFASEVVLIDIKEGFAEGKAMDLMQTASLNGFDTRIVG FKEVADEIVLLDIKQGVSEGKALDMMQTATLLGFDSKVIG RKSVAEEIILLDIKEGFAEGKAQDISQTAALLGFDAKIKG
UniRef90_UPI000248FF3F UniRef90_UPI00036AB099 UniRef90_H4GK94 UniRef90_UPI0003B46551 UniRef90_UPI00041101B1	Q N V S A T E L V I V D L K K D H T E G D A L D L E D V T P F A G P A K H T N Q A V C D E I L I I D R S S D R A L A Q A L D L S H C M D F T H T R T K V Y P Q V K T V E E L V I V D L N K E R S Q G D A M D L Q D V T P L T A D I D I H T N Q G L A S E I I L V D K D A A R A E G E A M D L M H G Q L L V G R T T V R A E Q N I A N V V L L D I K Q G V A E G K A M D L M Q G S V E G H D R Q I T G T R K Q I V D E V V L L D I K Q G V A E G K A M D L M Q T A S L E G F K I I G S T V K E L G D V V M F D V V Q D L P Q G K C L D L Y Q L T P I S G D V R F E G S E K N L A D V V L L D I I P G L P Q A L A L D L M A A Q G I E L H S N I I G T F R S L A N E I V L I D T D E E K A K S Q A L D L D D M G A C L P A K V V I R S S K K L A S E V E L I D V N G D L A R G K A L D L D D M G A C L P A K V V I R S S K K L A S E V E L I D V N G D L A R G K A L D L A Q S S S V E L F V N I E G S M L G S C H E I I L R D N K I D V A K G K A L D L A Q S S S V E L F V N I E G S M L G S C H E I I L R D N K I D V A K G K A L D L L E G P V L G S D S R I I G T I R G V A R T I A L M D I N T A K V E A E V L D M S H G L E F V P R T D I I G G E K N L A D V V L L D I V K G M P Q G L A L D L L E G P V L G S D S R I I G T L R G V A R T I A L M D I N T A K V E A E V L D M S H G L E F V P R T D I I G G E K N L A D V V L L D I V K G M P Q G L A L D L L E G P H W H S D S F P K G
UniRef90_I2EXZ7 UniRef90_A7U552 UniRef90_L8LM46 UniRef90_D4MZM0 UniRef90_Q2GCH6	RKQIVDEVVLLDIKQGVAEGKAMDLMQIASLEGFKIIGSIVKELGDVVMFDVVQDLPQGKCLDLYQLTPISGDVRFEGSEKNLAD VVLLDIIPGLPQALALDLMAAQGIELHSNIIGTFRSLANEIVLIDTDEEKAKSQALDLDDMGACLPAKVVIRSSKKLASEVELIDVNGDLARGKALDVSQTLPLIGYTMINGS
UniRef90_UPI00037950E5 UniRef90_Q30RQ5 UniRef90_D5MH15 UniRef90_H6N407 UniRef90_K9QZ17	MLGSCHEI I LRDNKI DVAKGKAL DLAQSSSVELFVNI EGS MLGSCHEI I LRDNKI DVAKGKAL DMSQAAAAVRSHTI VSA AKELAD VVL I DII LESVQHGRAL DL LEGPVLGSDSRI I GT IRGVARTI ALMDI NTAKVEAEVL DMSHGLEFVPRTDI I GG EKNLAD VVL LDI VKGMPQGLALDL LEAGIELHNREL I GT
UniRef90_H8FW05 UniRef90_UPI00036C504F UniRef90_Q67LB8 UniRef90_L0L1F9 UniRef90_R6IS26	ARDII IGD II VI VIDII IPENYAKGIVIAII IDMMEAMPIVIYGDTRII VIGT
UniRef90_UPI00037A65D8 UniRef90_K9AMN8 UniRef90_R7N1E6 UniRef90_UPI000426689E UniRef90_Q8CQ25	ESKLGD I VMLDVVPGLPQGKALDLMQAAPLMGYVNIKGT MRGVARKVVLIDANEKKAQAEAMDIAHAAPFA YANKVKA NQGTCEELVLIDIDKNRTVGEALDLNHGLSYAPRKMKIYS QNELAD VVLIDRPEKSVKGKALDLNHGLSYAPRKMKIYS QNELAD VVLIDRPEKSVKGKALDLNHGLSYAPRKMKIYS QNELAD VVLIDRPEKSVKGKALDLLESGPVFGFDVNVTGT QKELGDIVLIDIVEGLPQGLALDLAQAQGLEKHHKTIGT QKELGDIVLIRQQSEGMAKGKALDLESGPIWGFDTSVHGS FKNICSEILIVDVNEGRLKGETMDLQHGSLFVKMPKVISS KNICSEILIVDVNEGRLKGETMDLQHGSLFVKMPKVISS LRELAD VVLFDVVTGMPEGKALDISQAGPIEGDSRVTGS LRELAD VVLFDVVTGMPEGKALDISQAGPIEGDSRVTGS LSGMAADIILIVINKDKAVGEFMDLNHASPLSSEIQ VRV QQHFSDELALVDINKDKSEGEAMDLAHGASFVK PLEIKAA QQHFSDELALVDINKDKSEGEAMDLAHGASFVK PLEIKAA QQHFSDELALVDINKDKSEGEAMDLAHGASFVK PLEIKAA QQHFSDELALVDINKDKSEGEAMDLAHGASFVK PLEIKAA QQHFSDELVLIDINKEKRVQAEARDLRHGILYAPSPTKVKE MMGVCKEIVLDIKEGLAEGKALDMQSNYYSSCTIVTSA LRELAGD VLIDIKEGLAEGKALDMQSNYYSSCTIVTSA LRECTAGEIVLIDIKEGLAEGKALDMQSNYYSSCTIVTSA LRECTAGEIVLIDIKEGLAEGKVLDMYQTSTLMDFDTNGVT
UniRef90_S2JRE9 UniRef90_L5MHF2 UniRef90_Q27797 UniRef90_U6LMS9 UniRef90_G8ZQV5	MRGLSDELAL VDVNEGRLKGETMDLQHGSLFVKMPKVISSLRELAD VVLFDVVTGMPEGKALDDSQATSIDTNVSVTSALKELGD VSVFDVVEEMPQGKALDISQAGPIEGDSRVTGSLSGMAADIILIVINKDKAVGEFMDLNHASPLSSEIQVRV
UniRef90_UPl00047DCF94 UniRef90_V9L6V7 UniRef90_H1PY92 UniRef90_F5S9P7 UniRef90_V1I7S5	QQHFSDELALVDIINKDKSEGEAMDLLAHGASFVK PLEIKA QQHFSDELALVDII PQKLREEYLDLLQGSLFLK SKI VAD LQGVCDDI TFVDVNKEKAVSQAFDCMDTLAFLPHRAVIKS NQAACDELVLIDLNEKRVQAEARDLRHGILYAPSPTKVKE MMGVCKEIVLFDI VEGVAEGKAIDLGQSNYYSSCTLVTSA
UniRef90_R5W846 UniRef90_J2HW09 UniRef90_E3BSH2	L R E T A G E I V L L DI K E GL A E G K V L D M Y Q T S T L M D F D T N G V T Q K E L G D

	90 100 110 120
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UniRef90_I2F537 UniRef90_E0U8U5	D D V E I V R G S D L V I V T A G A K Q K P G Q S R L E L A G S T V E L M K K I G D Y D V S S D S D V V V I T A G R P Q K G G E S R L Q L L K D N A R I V K E A N N Y E D T A G S D I V V I T A G L A R K P G M S R D D L L Q V N A K I V Y E A
UniRef90_D5V1Z2	K D S N D L K D <mark>C</mark> D V V T A G P R K P G M S R D D L L <u>L T</u> N A K M K <u>L</u> V
UniRef90_Q39VY0 UniRef90_I3QFU8	NSYADLAGSDVVIVTAGLPRKPGMSRDDLIEVNSKIMTQV NDYSKSKNSEIIIIT <mark>C</mark> GLPRKPGMSRDDLVKTNAKIIRSV
UniRef90_UPI0003661EA3 UniRef90_UPI0003A1A218	S DIL ISIV VIE G S HIV V V L IT A G A K O D P G O T RIL IEIL IA GIVIN A RIL IM K T M
UniRef90_H2BY90	N D Y S K T A G S D V V V I T S G I P R K P G M T R E E L I I G I N A G I V K D V
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UniRef90_E0RDM2 UniRef90_K9P6L6	GTYAD <mark>C</mark> TDMDVVIITAGANPKPGQDRLSVLDDA <u>VL</u> ITREI S <u>V</u> EEE <u>G</u> RDADLVVITAGVAQQPGQSRRELIERNAALFRKL
UniRef90_B3CM44 UniRef90_G8X5F5	NRYEDIKNSDAIIIITAGIARKPGMSRDDLLQTNAAVMKEV NDYSKTSNSDVVVVITSGIPRKPGMTREELIGINAGIVKSV
UniRef90_B1LZN1	S D Y A A L K D A D V V I V T A G V P R K P G M S R D D L I G I N L K V M Q A V
UniRef90_F7MKS5 UniRef90_A6LX59	S D Y A A T K D A D V V I V T A G V P R K P G M S R D D L I G I N L K V M Q A V G T Y E E C K D V D I V I I T A S A P P K P N Q T R L D T L G V S S K I C T S I G T F K D C E D A D I V V V S L G V P P E D N K S R L D Y L E D T I N E V N T I
UniRef90_V9TW88 UniRef90_UPI000374DBEB	NNYNAILIAGAEIVVLVILAGILORKPGMSRDDILLINANAKIVLIKSIVL
UniRef90_D2QMR3 UniRef90_UPI0003F15038	GTYADAEF <mark>C</mark> NIVVLTAGAAQRPGQSRLELVKINANITKGV NDYEKTAGSD <u>VVVI</u> TSGLPRKPGMTREDLIGINAGIVKGV LIVVSNPVDILTYV
UniRef90_F0Z5G7	G D Y E D L K D A Y L V V V T A G A N Q M P G E T R L D I S A K N A K V F R Q I
UniRef90_L7KUV7 UniRef90_F0M8H8	D D V S V C A G A D V V V F T A G A K Q K P G Q S R L E L A E A T I G L T R S I G D L A V T E G A D V V V I T A G A K Q A P G Q T R L D L A G T N V R I L E D L
UniRef90_P0C0J2 UniRef90_D1AUS3	GDIAVTEGADVVVITAGAKQAPGQTRLDLAGTNVRILEDL YEYKDLKDADFIVITAGRPQKPGETRLELVADNIRIIREI SDYAAIEHSDAVVVTAGIPRKEGMSREDLLNTNAAAIKGI ANYADIQDSDVVIVTAGMPRKPGMSRDELVGINAKIVKDV
UniRef90_M4VF97 UniRef90_F7XQC3	A N Y A D Q D S D V V V T A G M P R K P G M S R D E L V G T N A K T V K D V N D Y N D T G S D V V V T A G V P R K P G M D R K D L L K N S N I K D V
UniRef90_C7RSB0	S D Y A A I D G A D IV V I V IT A G IV IP R K P G M S R D D IL I IS IV IN T K IV IMIV S IV I
UniRef90_I4X1A3 UniRef90_G1LHX6	SNYEDTKDSDLVIITAGLARKPGMSRDDLVQTNQKVMKAV ADYNVTANSKLVIITAGTQQQEGESHLNLIQPNVNIFKFN NGVAATKDSRLVVLTAGNRPKPNETRLDVAQKTADIVKAV
UniRef90_N6VFJ8 UniRef90_I2K9G7	EDASEII IAGSDIVVVI ITAGSPRILIPGMSRDDILLIMII INAEII ITKEIV
UniRef90_N2A030 UniRef90_UPI00046F909D	GEYSDAKDADIVVITAĞVPRKPĞETRLDLVNKNVNILKSI DQYEDLKSSDVIIITAGVPRKPGMSRDDLLGLNLKIIKQV
UniRef90_UPI0003611BB6 UniRef90_B4MS98	GTLHDCGDMDIVIITAGPNPKPGQDRMTLLHEAAEIVREI GDGSHTKDSDIVIVTAGAPVGKDRSRLLVMKKTVEILKLA
UniRef90_R7KBE0	G D Y E D A K D S D V
UniRef90_U6B8C4 UniRef90_W3Y4C0	NDYSDIADADV <mark>C</mark> IVTAGIPRKPSMSRDDLLSDNLNSIEKV GPIEN <mark>C</mark> GDCDILIESAGPLPNISQDRLETLGETVEVLKDV
UniRef90_L0K5P2 UniRef90_Q8PVJ7	GPÜENCGDCDILIFSAGPLPNISQDRLETLGETVEVLKDV GDYSDCQGADLIVLTAGPSIKEGQSRRDLALQNAQVTKEI NDYADIANSDLVIITAGIARKPGMSREDLIKTNSKIIGDV
UniRef90_I7KHN4 UniRef90_D7N2G1	N D Y A D A N S D L V I I T A G I A R K P G M S R E D L I K T N S K I I G D V G D Y S D A S D A D I A V I T A G V A R K P G M T R L D L V N A N V K I L K S I G D Y G D C S D A D I V C C A G L P Q R P G E T R L D L I D N N L R V F H S I
UniRef90_UPI000306DB93	SDYSDTKNSDI VVITAGVPRRPGMSRDDLVKI NEQVMEEV NHFSALQGADVVIVTAGVPRKPGMSRDDLLAINSKI VADV
UniRef90_U6KZN5 UniRef90_D5UDQ4	D DIVIAIVIMA D C DIV VIME T A G A K O R P G O S RII IDII IA E A TII ISII VIR KIV
UniRef90_UPI0003F145D9 UniRef90_UPI00036F51AE	K D Y S V T A N S K I V V V T A G V R Q Q E G E T R L N L V Q R N V N V F K F I G R M E D C S D V D V V V L T A G A N P K P G Q T R L D V L E D A E K I T R D I N D Y S K T A G S D V A V I T S G I P R K P G M T R E E L I G T N A N I V K S V N D Y A K T E G S D V V V I T S G I P R K P G M T R E E L I G V N A G I V K S V
UniRef90_C7M7P0 UniRef90_R5I916	N D Y S K T A G S D V A V I T S G I P R K P G M T R E E L I G T N A N I V K S V N D Y A K T E G S D V V V I T S G I P R K P G M T R E E L I G V N A G I V K S V I
UniRef90_C2FY21 UniRef90_UPI000248FF3F	N D Y A Q T A G S A VAV I T S G I P R K P G M T R E E L I G T N A N I V K S V G E Y E D A A D A D I V V I T A G I P R K P G E S R I D L V N K N T K I L D S I
UniRef90_UPI00036AB099 UniRef90_H4GK94	GT CAD CT DMD V V I L TAGAN P Q P G Q S R L T V L E A T A T I I Q N V G D Y Q D A A D A A I V V I T A G V P R R P G E T R I D L V N K N V K I L R S I
UniRef90_UPI0003B46551	G D Y A D L A E A Q V I V L S A G A S Q M P D E T R L D L L R R N A R I F E Q I
UniRef90_UPI00041101B1 UniRef90_I2EXZ7	N D Y R D T A N S D I I V I T A G K P R I P G M K R D D L I S I N A K I V V D A N D Y T K T A K S D V V V I T S G L P R K P G M T R E E L I G I N A G I V R D V N D Y S V L K D A D V I I V T A G V P R K P G M S R D D L L A I N A K I M G Q V
UniRef90_A7U552 UniRef90_L8LM46	N D Y S <u>V L </u> K D A D V I I V T A G <u>V P R K P G M S R D D L L A I N A K I <u>M G Q V N D Y A D T A G S N I V V I T A G M A R K P N M S R <u>D D L I Q I N S K I V V E V </u></u></u>
UniRef90_D4MZM0 UniRef90_Q2GCH6	NDYADTAGSNIIVITAGMARKPNMSRDDLIQINSKIVVEV GSYEDLDDADILVNALGRSRKEGETRLDMFGDSMERLKDI ANMERIKGSSVIIITAGIPRKPGMTREELIDVNAVVMKEV
UniRef90_UPI00037950E5 UniRef90_Q30RQ5	NNYSSIIKNSDIVVIIII AGII PRII PGMSRDDII I FINIKII ISAII I
UniRef90_D5MH15	E E M A DLT NC D V V V T A GS P R L P G M S R D D L L M N A N I T K D V K H Y Q D T A D S D I V V V T A G A R K P G M S R D D L L H T N A R I V G E V
UniRef90_H6N407 UniRef90_K9QZ17	DTMDVVADSDVVVFTAGAKQKPGQSRLELAEATIGLTRAI NNYADTAGSQIVVITAGLPRKPGMSRDDLLKTNAEIVVTA GGYADLAGSQVVVVLAAGAAQRPGDTRLDLLDRNAAVFRQL
UniRef90_H8FW05 UniRef90_UPI00036C504F	ENVENIURNSDIVI VIII AGMARKPGMSRDDII IIEKNIVIDII VIKSA
UniRef90_Q67LB8 UniRef90_L0L1F9	S D Y A E A G A D V V V T A G V P R K P G M S R E D L V N T N A G V K D V N D Y A D L E G S D V I T A G I A R K P G M T R D D L N I N A K I T R E V
UniRef90_R6IS26 UniRef90_UPI00037A65D8	(i Y E) (i A E V V V A (i A N () K P (i E E R
UniRef90_K9AMN8 UniRef90_R7N1E6	GDYNDCSDANIICITAGATQVPGETRLDLLHKNTKIMKSITDYSATENSDVVVITAGSPRKPGMSRDDLVQTNEAIMKEAGDYSDLKDAQLLIVAAGPDMSKGQTRMDTLRQTLEIVKNL
UniRef90_UPI000426689E	NHYDDTVGSDIVVIAAGEPMSKGQTRMDTLKQTEELVKNI NHYDDTVGSDIVVIAAGEPRKPGMSREDLLHYNAKIVAHA
UniRef90_Q8CQ25 UniRef90_S2JRE9	NHYDDTVGSDIVVIAAGLPRKPGMSREDLLHYNAKIVAHA VNIEDIKDSDIVVMTAGIPRKSGMTREELVQTNEQIVRET ATPEEAGQADIIVITAGAKQRDGEPRTKLIERNYRVLKNV
UniRef90_L5MHF2 UniRef90_Q27797	N Q Y E KITA G S DIV V I TITA GIVIR Q K K G E T RILIDIL VIQ R NILIA I IF K L M N Q Y E KITA G S DIV V I T T A GIL T K V P G W S R N DIL L P F N A KITT R E IV
UniRef90_U6LMS9 UniRef90_G8ZQV5	NOFAAILIOGADIVVL VITAGIVIPRKPGMSRDDILLISILINSKILVISFIVL
UniRef90_UPI00047DCF94 UniRef90_V9L6V7	GDYKDTANSDII VIIITAGAAQKPGETRIIDIIISKNYKII MGSII
UniRef90_H1PY92	T D Y A V T A N S K L C I I T A G V R Q K D G L I A Q L Q R N L E S F K T I G E I K D L G D K D I I L I C V G T I D N I S K D R L C E L D H S L K I I K S F G T Y S D C A D A D L V C V C A G M A Q K L G E T R L Q L V D N N L K V F H S V
UniRef90_F5S9P7 UniRef90_W1I7S5	KTPAEMNDCDI VVI TAGVPRKGDMTREDLLMINAKI IKSV
UniRef90_R5W846 UniRef90_J2HW09	K T P A E MN D C D I V V I T A G V P R K G D M T R E D L L M N A K I I K S V N D Y A K T A G S D V V V I T S G I P R K P G M S R E D L I G V N A G I V K D V S D Y E E I R G C D L V I I T A G I A R K P G M T R D D L V A T N A G I I R D V Q D W S Q L A D A D I I I T S F G K I S I E N G D R F G E F G I N S K N A K E I
UniRef90_E3BSH2	Q D WS QL A D A DI I I T S F G K L S L E N G D R F G E F G L N S K N A K E I

UniRef90_C2FY21		
UNINCESSO DESCRIPTION OF THE PROPERTY OF THE P		A K E A V A R S P E A II L I V V T N P L D V M T Y V A W E A S Q L P C R R V I G
UNINCESS USENS ALL ALL RESULT FOR SEA NAMED OF THE SEA NA	UniRef90_I2F537 UniRef90_E0U8U5 UniRef90_D5V1Z2	VAKSLSYSKEPVFIIVTNPVDVLTWVAWKASGLPRNRIVG AQKAVKQSPNAVFIVITNPLDVMTYLTWKATGLPHQRVMG VKDIEEQAPNAIIIVVSNPLDVMVYTALKVSNFSKNQIIG AEGIKQYAPNSFVIVISNPLDAMVTLCQKITGFPYNRVIG
UNRESSO DENDM2 V	UniRef90_UPI0003661EA3 UniRef90_UPI0003A1A218	MPQL LEAAPNAI YVI VTNPLDVMI YVSYLIIAKVDSSRII IG MPQL LEAAPNAI YVI VTNPCDVLTVLAQEQTGLPPERI FA GAGI KKYAPNAFVI CITNPLDAMVWALQKFSGLPANKVVG SSKLIQHSPDTVMI VVSNPMDTMTYLVHKTTGLSKNKII IG
UNINCRESO PARAGOS UNINCRESO PARAGOS UNINCRESO PARAGOS UNINCRESO PARAGOS UNINCRESO NOTWOS UNINCRESO DAMINS UNINCRESO DAMINS TE NIL LIK YS P D A LIFT I VIS N P N D D T M T Y LIA LIK A S G LIP N R N V I G UNINCRESO DAMINS UNINCRESO DAMINS UNINCRESO DAMINS UNINCRESO DAMINS UNINCRESO DAMINS UNINCRESO DAMINS UNINCRESO DAMINS UNINCRESO DAMINS UNINCRESO DAMINS UNINCRESO PARAGOS UNINCRESO DAMINS UNINCRESO PARAGOS UNINCRESO PARAGOS UNINCRESO FOR CONTRETANO N P OL LIK YS P D A LIFT I V I S N P M D T M T Y LIA LIK A S G LIP N R N V I G UNINCRESO DAMINS UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO FOR CONTRETANO UNINCRESO MAYERY G A GIR K Q Y A P N S V V I V V C N P M D QUIN A V Y A K R V I G T A K N K V I G	UniRef90_W0EUD1 UniRef90_P80040 UniRef90_E0RDM2	I E NI LK Y S P D I I L I V V S N P M D I M N Y L I L Q I S GL P K H R V L G I S Q A A P L S P N A V I I MV N N P L D A M T Y L A A E V S G F P K E R V I G V T A I M F G G F D G I F V I A A N P V D I V T Y M V Q S I S G I P R N K V I G
UNRESPONDERS UNRES	UniRef90_B3CM44 UniRef90_G8X5F5 UniRef90_B1LZN1	GENIKKHSPNAFVIVVTNPLDAMVSVVYKSSSLPTNMIVG AENLLAHSPNAVFIIVSNPMDTMTYLTYKALGIPKNRVIG GEGIKTHAPNAFVICITNPLDAMVWALQKFSGVPTNKIVG VKSIMNYGFNGFFILVSNPVDLISYHTWKISGIPKNKVIG
UNIREIDO JUDIOSITIO 1938 A.W. V. K. Y. T. P. P. P. P. P. P. P	UniRef90_A6LX59 UniRef90_V9TW88 UniRef90_UPI000374DBEB	CEQLKANK FDGILV VANN PVDIMTYVAWKASGLPKANVIG
UNIREGIO _CTATSDB UNIREGIO _CT	UniRef90_UPI0003F15038 UniRef90_F0Z5G7 UniRef90_L7KUV7	A W KLSEFPQNRVIG I PEI VKYNTECILLIVTNPVDILTSLALKLSGFPASRVIG LPGVLEVAPNAI YLMVTNPVDVVTYAAQRVTGLPSNRLFG MPQILORSPDAVYVLVTNPCDVLTVAAQKITGIPTGRIFS
UniRég0 J. 1807.3 M P A I V I B Q S P K A P V V S S P H A D V M A W N V A R N V T S N P Y B R E P S UniRég0 J. 1806.3 VIA P V K K Y A P D S T T T V V V S S P H A D V M A W N V A R N V T S N P Y B R T P V V S S P K G V P V S S S F K G V P V S S S F K G V P V S S S F K G V P V S S S F K G V P V S S S F K G V P V S S S F K G V P S S V V S S S F K G V P S S V S S C D R S S S S S S S S S S S S S S S S S S	UniRef90_P0C0J2 UniRef90_D1AUS3 UniRef90_M4VF97	CTNITEYAPDAVVIVVINPIDPMAVIA SRVIDMPDNRVIEG
UniRel90_BHMS98	UniRef90_C7RSB0 UniRef90_I4X1A3 UniRef90_G1LHX6	GENIRQRCPEAFVIVITNPLDAMVGVLQQVSGLPPARVVG TADIVKYSPETTLIVLTNPVDAMTYTVFQASGFPKERVIG LNIVKDSPNCKFV VSSPVGIFTYVAWKISSFPKNHVIG MPALLEQSPKATFIVVSNHADVMAWVARKVTNLPYERCFS
UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U3Y4C0 UniRef90_U4D00336D893 UniRef90_U5W3C0 U5W3C0 U	UniRef90_I2K9G7 UniRef90_N2A030 UniRef90_UPI00046F909D	VADVKKYAPDSIIIMVSNPLDVMTYVALKESGFPKERVVG VKPVVDSGFKGVFVVSANPVDILTTLTQKLSGFPKNRVIG SEGVKKHAPNAFVI <mark>C</mark> ITNPLDVIVMAFQKYSKLPTNKVIG TDPIMASGFDGIFIVAANPVDVVTYLTWQYSGLPRERIIG
UniRef90_UP100036F51AE UniRef90_C7M7P0 UniRef90_R51916 UniRef90_C2FY21 UniRef90_UP1000248FF3F UniRef90_UP1000248FF3F VQRIVES PNAVIVVS NPMDTMAYL VHKATKLPKNRIIG UniRef90_UP100036AB099 UniRef90_UP100036AB099 UniRef90_UP100036AB099 UniRef90_UP10003B46551 UniRef90_UP10003B46551 UniRef90_UP10003B46551 UniRef90_UP10003B46551 UniRef90_UP10003110B1 UniRef90_UP10003B46551 UniRef90_UP10003P46552 UniRef90_UP10003F352 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIREF90_UP10003F36538 UNIREF90_UP10003F36538 UNIREF90_UP10003F3	UniRef90_R7KBE0 UniRef90_U6B8C4	MPKLIELSPKAVFVIVSNPADVMTYALQRICKLEKHRCFT IPQITKYAPDAFYIIVANPVDVLTYQFIKTSGIPTHKIIG AAGIRKYAPNSFVICITNPLDAMVWALQKFSGLPSHMVVG IPRIKASGFKGFIISISNPADVVATYLQKHLNWDYNRIIS
UniRef90_UP100036F51AE UniRef90_C7M7P0 UniRef90_R51916 UniRef90_C2FY21 UniRef90_UP1000248FF3F UniRef90_UP1000248FF3F VQRIVES PNAVIVVS NPMDTMAYL VHKATKLPKNRIIG UniRef90_UP100036AB099 UniRef90_UP100036AB099 UniRef90_UP100036AB099 UniRef90_UP10003B46551 UniRef90_UP10003B46551 UniRef90_UP10003B46551 UniRef90_UP10003B46551 UniRef90_UP10003110B1 UniRef90_UP10003B46551 UniRef90_UP10003P46552 UniRef90_UP10003F352 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F3525 UniRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIRef90_UP10003F36538 UNIREF90_UP10003F36538 UNIREF90_UP10003F36538 UNIREF90_UP10003F3	UniRef90_Q8PVJ7 UniRef90_I7KHN4	MEQIIKYTTDALIIPVTNPVDVVTYTAVK SGYDRDKVIG AGNIAKYAPNSIVINVTNPLDIITYVAMKATGFDPEKVFG VKPIVDSGFKGIFVVSANPVDILTTLTQKLSGFPKNRVIG VTAVMASGFDGIFLVATNPVDVLSYATWRFSGLPKERVIG
UniRef90_Q30RQ5 UniRef90_D5MH15 UniRef90_H6N407 UniRef90_K9QZ17 UniRef90_H8FW05 UniRef90_Q67LB8 UniRef90_Q67LB8 UniRef90_L0L1F9 UniRef90_UP100037A65D8 UniRef90_UP100037A65D8 UniRef90_UP100037A65D8 UniRef90_UP1000426689E	UniRef90_U6KZN5 UniRef90_D5UDQ4 UniRef90_UPI0003F145D9	T K E V K Y S P E C K V V L T N P V D A M T Y T V L K A S G F S K K R V I G A E A I K M Y S P D A F V I C I T N P L D A M V Q L M R E R S G L R A E M V V G L P G L V E V A P N A V Y V M V T N P V D V V T Y A A L K I S G L P P S Q L F G I P Q I V K Y S P D C I I I V V S N P V D I L T Y V T W K L S G L P K H H V I G
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UniRef90_K9QZ17 UniRef90_H9FW05 UniRef90_UP100036C504F UniRef90_Q67LB8 UniRef90_L0L1F9 UniRef90_L0L1F9 UniRef90_L0L1F9 UniRef90_UP100037A65D8 UniRef90_UP100037A65D8 UniRef90_UP100037A65D8 UniRef90_L0L1F9 Un	UniRef90_Q2GCH6 UniRef90_UPI00037950E5 UniRef90_Q30RQ5	GEKIKKFAPKAFVIVVTNPLDVMVWVLYKAAEISPDKIVG GKAVKKYCPKAFLICITNPLDAMVSILQSSSKVKHHMCVG IAGVAKYSPDAIIIMVSNPLDAMTYVALKESGFDRSRVIG
UniRef90_R6IS26	UniRef90_H6N407 UniRef90_K9QZ17 UniRef90_H8FW05	A K Q A I A Y P N A V F I MV I N P V DI V I N A A L K I S G L P N N Q L F G A K Q A I A Y S P H A I F I I V T N P L D V M T Y L A W E A T G L P R N R I M G
UniRef90_R/N1E6 A E NITR M S G Y T GITT V NITS N P A DIV VITH Y L Q H V L D W P A N QITH S UniRef90_UPI000426689E A K E ALI K R N P Q A L F I V V T N P L D V M T Y L A W T V T G L P P E R I M G	UniRef90_Q67LB8 UniRef90_L0L1F9 UniRef90_R6IS26	A E K V A R Y A P D S V I I V L T N P V D S M T Y V A L K A S G F P K N R V I G C G N I R E Y A P K S I V I T V T N P L D I I T Y A V Y K C T G F G K K R V F G I P Q V A K Y A P D T I L L I T S N P A D I M T E V A I K L S G F P R E R V I G V G E I K K T S F D G I L I V A S N P V D I M T Y V V W K A S G Y D K S K I M G
UniRef90_S2JRE9 I G S M Q P I R Q D A V I L M V S N P V D I L T H I A R K L S G L P A S Q V I G UniRef90_L5MHF2 I S D I M T H S P N C K M I I V S N P V D I L T Y V T W K L S G I P Q N R V I G UniRef90_Q27797 A Q G V K K Y C P L A F V I V T N P L D C M V K C F H E A S G L P K N M V C G UniRef90_U6LMS9 A D N I K L H A P D A F V I C I T N P L D A M V Q L M Q E R S G L P P A K V V G UniRef90_G8ZQV5 I P Q I A K N A P D N T I L L L A T N P V D V L T L I A Y K L S G F P P Q R V V I G	UniRef90_K9AMN8 UniRef90_R7N1E6 UniRef90_UPI000426689E	A E A I K R N P Q A L F I V V T N P L D V M T Y L A W T V T G L P P E R I M G
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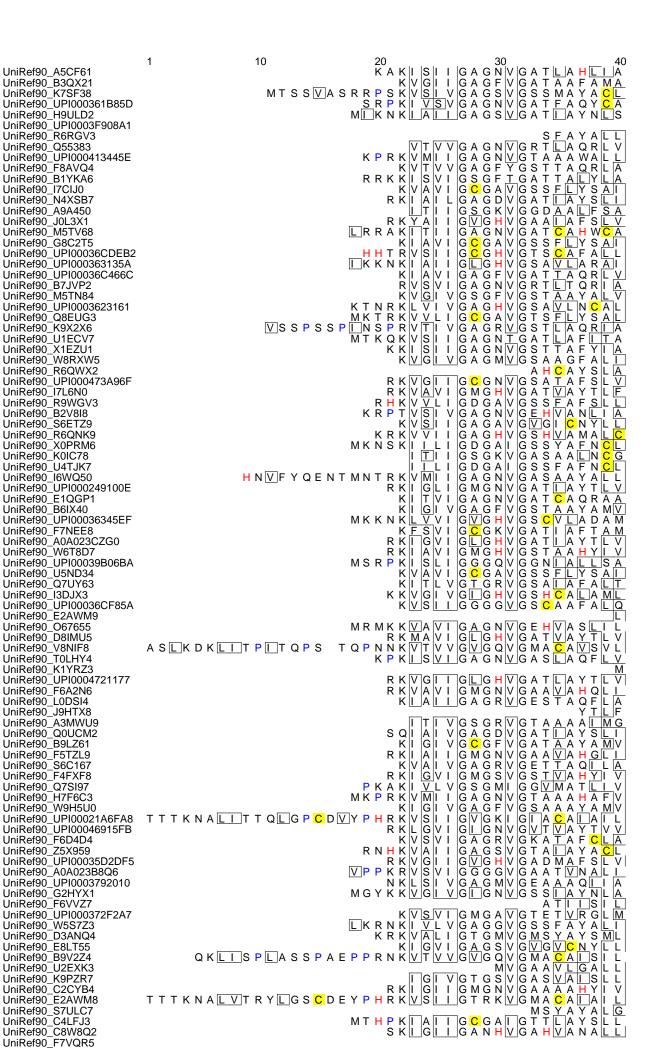
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UniRef90_R5I916 UniRef90_C2FY21	II IRII IA T Y K GIVIPIVIS O FILID A D TILI A KIVIA A D T MIVIG G A TILIT G
UniRef90_UPI000248FF3F	Y D E A T V S G K P L S E Y S A L S A D S L A E L E E S V K K K G G Q L I
UniRef90_UPI00036AB099 UniRef90_H4GK94	F D E A K V N G R P L K D Q V D L T P E V K N Q I E T E V R Q R G G K I
UniRef90_UPI0003B46551 UniRef90_UPI00041101B1	WSNATIAGQPIIAGQT <u>IVLIGRAFDRAAMDDLI</u> FAEARDAAYQII PRYTTIVNGII PIITELIMDQKTIIDK I VERTRQGGGEI VOL
UniRef90_I2EXZ7 UniRef90_A7U552	LRLATVNSI PVSRFLSKDVLDK VAADTMVGGATLTG PRETTVGGUPURELVKMGMUSOOF
UniRef90_L8LM46	PRYCTVTGVPLTELMDE DSINQIVERTRNGGAEIVEL
UniRef90_D4MZM0 UniRef90_Q2GCH6	FRHSTVSGMSLPELVSVG LITKDKVDSI IERTRSGGAEI
UniRef90_UPI00037950E5 UniRef90_Q30RQ5	LIRYTTIISGII PII QELLIKNKTII SKKRVNDI LKRTQTGGGEII ARYSTVAGVPIITDIIMSTSFIIN
UniRef90_D5MH15	PRESTVAGI PITELLE LEPPDRIE AL VKRTAGGGGEI
UniRef90_H6N407 UniRef90_K9QZ17	SRYATUNGI PITEL L DADTLARL VERTRNGGAE
UniRef90_H8FW05 UniRef90_UPI00036C504F	WSGATAGGII PIVIEIVIADQLIGRPILIDEAARSTII DESVIRRAAYRII VIRYCSVIGGII PII TELI LI PKEKITDOII VIARTRNGGGFII
UniRef90_Q67LB8	VRYTSÄGGI PVEKL LPKETI DÄLVERTRKGGGEL
UniRef90_L0L1F9 UniRef90_R6IS26	
UniRef90_UPI00037A65D8 UniRef90_K9AMN8	WSYAILIMGIVIQPII IQIVIASKKDSKIVIKFEDILIELLIEDEIVIRNILIAYKII ISH <mark>C</mark> NIVINGIVPLIVELI LIDDEAII KCII VIERTQQGGAEII
UniRef90_R7N1E6 UniRef90_UPI000426689E	WSTVSIAGKPLELMKEEPETFGSLNLKEIADAGKAGGWLI PRYCTVSGLPI
UniRef90_Q8CQ25	INNT HINGIPVKHLI
UniRef90_S2JRE9 UniRef90_L5MHF2	WNAAILIGGQPLISFPEYQSILDKKAVSKI VSGKAMEL WSSVRSEAAAI WTPPVSGT _
UniRef90_Q27797 UniRef90_U6LMS9	ARYVTVSGFPLREFIKKGKM TEAKLAEIVERTKKAGGEI TRYCTVSGVPIPDEVSMGILTOKD IDDI VORTRNGGGEI
UniRef90_G8ZQV5	WSLASI A GMRLDYCEQSGMKFDKAALHKI YEETRDAASNI
UniRef90_UPI00047DCF94 UniRef90_V9L6V7	WNSANVAGILL ADINLSQASSEGPAIHKLVIDSGNEI
UniRef90_H1PY92 UniRef90_F5S9P7	FSCATIVNGKILLIPELI I AEPEKFSKILDFEAI EKKTTETGWDI WSTASI AGVIPLIQAALDKSG DGAAKMAQII HENVIRSAAYSII
UniRef90_W1I7S5	PHQLKVGAVPALAV LSKKDMEELLERTKNGGAEL
UniRef90_R5W846 UniRef90_J2HW09	VSKASYKGVPVSEFLDEKTLGEI AAATMVGGATLTK LQYSSAGGLPLDKLL PADRLEALVERTRKGGGELVEL
UniRef90_E3BSH2	WSTVSVNGKSV LELFDDQKLAQMSAQSNKNSFLVA

UniRef90 K9TQZ6	250 260 270 280 MKTGSAYFA PASSVSLMI LEAI LLDQSRI VPAAAYLQGEYG
UniRef90_K0YP12 UniRef90_I2F537	
UniRef90_E0U8U5 UniRef90_D5V1Z2	I E G K G T N Y A II G L A A S NI A S A V L R D E N R V L T V S S L L E D WE G I E K K S T F Y G I G L A V S K V L S T I F N N Q H S V L T V S S V H P E F E V K L L Q T Y Y A P A S S A S L M V E S I I R N Q S R L L P T A A Y L Q G Q Y G L E R G S A Y Y A P A Y S T S L M V E A I L H D K K E V Y P C A V L L D G E Y G V K T G S A F Y S P A S A A I A M T E S I L K D Q K R V L P T C C F L Q G E F G V N G T S A W M A P S A S V V K I V E A I L K D S K R I F P C S V F L K G Q Y G I Q G K G T N Y A I G L S S A R I I E A I L N D E R A V M P V S P V L R D F H G V K T G S A F Y A P A A S A I V M A E S Y L K D K K R V L P A A A L L D G Q Y G T K L L G T W Y A P G A G T A A M V E S I L R D F K K I I S C G V A I D G F Y G
UniRef90_Q39VY0 UniRef90_I3QFU8	VKTGSAFYSPASAAIIAMTESIILKDQKRVLIPTCCFLQGEFG VNGTSAWMAPSASVVKIIVEAIILKDSKRIIFPCSVFLKGQYG
UniRef90_UPI0003661EA3 UniRef90_UPI0003A1A218	VKTGSAFYAPAASAI VMAESYLKDKKRVLPAAALLDGQYG
UniRef90_H2BY90 UniRef90_W0EUD1 UniRef90_P80040	TKGTSAWYAPGAATAAMVESILRDEKKIISCGVALDGEYG
UniRef90_E0RDM2 UniRef90_K9P6L6	FTRKGATNFIANALAYITRSILNDDGKITAISAVLDGEYG
UniRef90_B3CM44 UniRef90_G8X5F5	T K G T S A WY A P G A G T A A M V E S I L R D E K K I I S C G V A L D G E Y G V K T G S A Y Y A P A A A T A Q M V E A V L K D K K R V M P V A A Y L T G Q Y G F T R K G A T N F I A N A L A Y I T R S I L N D D G K I I A I S A V L D G E Y G I R L K G S T S W I G L A T A E I V E A V L R S K D Q M L T V S S R S H G H Y G V K S G S A Y Y A P A S S A I S M L E S Y L K D K R R I L P C A A Y L N G E Y G L L G T S A W Y A P G A S V A Y L V D S I L N D Q K K M I A C S V Y L D G E Y G V N L L K T G S A F A S A I A M A E S Y L R D K K R V L P C A A Y L D G Q Y G V N L L K T G S A F A S A I A M A E S Y L R D K K R V L P C A A Y L D G Q Y G V N L L K T G S A F A S A I A M A E S Y L R D K K R V L P C A A Y L D G Q Y G V S T C T T Y Y S S A V V A R S A V V A R S A V V A R S C S C T C T C T C T C T C T C T C T C
UniRef90_B1LZN1 UniRef90_F7MKS5	
UniRef90_A6LX59 UniRef90_V9TW88	I A G K C I E F GILGVGLS EIL V K A IL L H D E K R IL L P A S I L L IE G Q Y G
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UniRef90_F0M8H8 UniRef90_P0C0J2	I A G K G T N Y A I GLIS G A R I V E A L L R D E N A V L P V S T V L D G Q H G I N R K R T F Y G I G A A I A K I V S N I I K D T K N I M I A G A N L R G E Y G
UniRef90_D1AUS3 UniRef90_M4VF97	V K L M K T Y C A P A A S C A H M L E S Y I R D K R S I M P C S A Y L N G Q Y G L K T G S A Y Y A P S R G A V E M A E A I L K D Q K R I L P V A V E L N G E F G
UniRef90_F7XQC3 UniRef90_C7RSB0	VKTGSAFYAPAAAAI VMADAYLKDKKRLLPCAACLSGEYG
UniRef90_I4X1A3 UniRef90_G1LHX6	V N L G S A Y Y A P A A S I V E M A E A L L K D Q R R L L P S I A Y L E G E Y G I T L K G Y P A WI G L S V A D L A E S R M K N L R R A H P I S T M T K V L Y G
UniRef90_N6VFJ8 UniRef90_I2K9G7	I
UniRef90_N2A030 UniRef90_UPI00046F909D UniRef90_UPI0003611BB6	I K K G S A Y Y A P A A S GIVIE M A E S Y II IK N O K K II I I P C A A Y II IN G E Y G
UniRef90_B4MS98 UniRef90_R7KBE0	FTRKHTQFGIGNALAHIARSLLYDEHRIIAVSSLLDGEYGGNIKGYTNWIALSAVNVVEAMLENSGRILCLGTDMQGMNSIKRKVTDYGIAASVTRICRCLFSRKETILTVSTLIDGEYGVGLGSAYYAPASSALAMAESYLKNKRNVLPCAARLSGQYG
UniRef90_U6B8C4 UniRef90_W3Y4C0	V GLGSAYYAPASSAI AMAESYLKNKRNVLPCAARLSGQYGLAGKSTEFGI ASATTELIRSIFHDEKKVLPCSCYLNGQYGWKKKGYTNHIAAGVARIVKAISLDEEAVLPVSVYLDREYE
UniRef90_L0K5P2 UniRef90_Q8PVJ7	L K Q G S A F Y A P S A A I V R M A E A V I K D S R R V L P A S A Y L E G Q Y G
UniRef90_I7KHN4 UniRef90_D7N2G1	ANKGATFYGVAM <mark>C</mark> LTQICKAIFENKARVLPVSAPLTGEYG IEAKGSTSHIGMGLSRISNAILHNQGVVLPVSSLLEGEFG
UniRef90_UPI000306DB93 UniRef90_U6KZN5 UniRef90_D5UDQ4	L G T G S A Y Y A P A S A V Y S M L E A L L K D Q Q R L L P A L A Y L E E E Y G V N L M K T S S A F F A P A A A M A E A Y L K D K K R V I P C A A Y L T G Q Y G L E G K G T N Y A L A G S R L L E A V L K D E R R V L P V S S L L D D Y L G
UniRef90_UPI0003F145D9 UniRef90_UPI00036F51AE	FTRKNTQFGIGNALAYIVRSILNDDHKIIAVSAVLEGEYG
UniRef90_C7M7P0 UniRef90_R5I916	L L G T S A WY A P G A A V S A L V Q A I A C D Q K K L F P C S V L L E G E Y G L L G T S A WY A P G A A A A F V V E S I L H D Q K K L V P C S V Y L E G E Y G
UniRef90_C2FY21 UniRef90_UPI000248FF3F	TAGTSAWYAPGAASAAVVESIVRDQNKLFTASVYLEGEFG GLKGATFYGVAMSLSKICKAILNNEDVALPISAPLTGEYG
UniRef90_UPI00036AB099 UniRef90_H4GK94	FTRKSTQFGIIGNALIAYIITRSII LINDDRKIITAIVISAIVLEGEYG
UniRef90_UPI0003B46551 UniRef90_UPI00041101B1 UniRef90_I2EXZ7	LKTGGAYFAPASSIRIMVESILRQQLRLLPACSYLQGEYG
UniRef90_A7U552 UniRef90_L8LM46	V K T G S A F F A P A A A G V L M A E A Y L K D R K R V L P C A A Y L N G E Y G
UniRef90_D4MZM0 UniRef90_Q2GCH6	I G K K S T E F G T G T A L S E T V K S T V Y D E K R T W P L S V H L D G E Y G V K T G S A Y Y T P A A S V L E M A E A Y L L D Q K K T L V C S V M M R G R Y G
UniRef90_UPI00037950E5 UniRef90_Q30RQ5	L K K G S A F Y A P A S S A V Q M A E S F L K N K K M M L P C A A Y L N G E Y G V K T G S A Y Y A P A K A T A L M V E A L L K D T K Q L H P C A V F L E G E Y G
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UniRef90_K9QZ17 UniRef90_H8FW05 UniRef90_UPI00036C504F	V B T G S A Y F A P G L S T T L MV E S V L K D E R L L L S V S A Q T P D L E G
UniRef90_Q67LB8 UniRef90_L0L1F9	D R K G Y T N A G V V A R V R A L S D Q R S V Q P V S V R P G G A Y G L K T G G A Y F A P A S S L R M V E S I L R Q Q L R L L P A C S Y L Q G E Y G L L G T S A W Y A P G I A S C A V V E A I I R D E K K V I P S S V Y L N G E Y G V K T G S A F F A P A A A G V L M A E A Y L K D R K R V L P C A A Y L N G E Y G L K T G G A Y F A P A S S A C I M V E A I L R N Q S R L L P A A A Y L N G E Y G V K T G S A Y Y T P A A S V L E M A E A Y L L D Q K K T L V C S V M M R G R Y G L K K G S A F Y A P A S S A V Q M A E S F L K N K K M M L P C A A Y L N G E Y G V K T G S A Y Y Y A P A K A T A L M V E A I L K D T K Q I H P C A V F L E G E Y G V K T G S A Y Y A P A S A A V E M E A I L K D T K Q I H P C A V F L E G E Y G I D G K G T N Y A I G L A T T R I V E A V L N N E H R V L P V S T L A T G F E G V E L M Q T F F A P A S A T S V M V E S I L L N Q S R L L P V A A T Y L Q G E Y G I D G K G T N Y A P G M S A I S R I V R A I N K D E R L L S V S A Q T P D I E G V E L M Q T F F A P A S A T S V M V E S I L L N Q S R L L P V A T Y L Q G E Y G I D G K G T N Y A P G M S L V E M I D A I L N D R K R I L P S I A Y L S G E I G V K I C K K R V L T V P A Y L S G E I G V K L C S V S A Y F A P G M A L V E M I D A I L N D R K R I L P S I A Y L E G E Y G L K E G S A F Y A P S A A I V S M V D A I I N D S G R V V P V S V Y L E G E Y G L C C A I S N N E Y A I L T V S T H H D D N K Y G V S L L E T G S A Y Y A P A S A V Y E A I I K D Q N R V L P A I A Y L E G E Y G L G G K S T E F G I G A T I A E V T R A I F G D E N R V L P A S V Y L D G G Y G V K L L Q M F Y A P A S A V C Y M V E V L L Q D Q A H L L P A S V Y L D G G Y G V K L L Q M F Y A P A S A V C Y M V E V L L Q D Q A H L L P A S V Y L D G G Y G V K L L Q M F Y A P A S A V C Y M V E V L L Q D Q A H L L P A S V Y L Q G G Y G V K L L Q M F Y A P A S A V C Y M V E V L L Q D Q A H L L P A S V Y L Q G Q Y G V K L L Q M F Y A P A S A V C Y M V E V L L Q D Q A H L L P A S V Y L Q G Q Y G V K L L Q M F Y A P A S A V C Y M V E V L L Q D Q A H L L P A S V Y L Q G Q Y G V K L L Q M F Y A P A S A V C
UniRef90_R6IS26 UniRef90_UPI00037A65D8	I D G K G T F Y G T A G A L C Q T C Q A I S N N E Y A I L T V S T H H D D V E G I D C K N S T Y Y I G M A L A R I T Q A V L E N E S S I L T V S S Y L D N K Y G
UniRef90_K9AMN8 UniRef90_R7N1E6	V S L L E T G S A Y Y A P A A A V Y E A I L K D Q N R V L P A I A Y L E G E Y G L G G K S T E F G L G A T L A E V T R A I F G D E N R V L P V S V L L N G E Y G
UniRef90_UPI000426689E UniRef90_Q8CQ25	VIAILIGS AYYAPATAII IYETII IDAII IFN DRKKILLIPSII IAYILIEGEYG
UniRef90_S2JRE9 UniRef90_L5MHF2 UniRef90_Q27797	IRLKGTFYGIGA <mark>C</mark> AADLVHTIVLNKKVVHPVSVYVE VRLGSAYYAPALSAITMAQAFLKDEKRVLP <mark>C</mark> SVY <mark>C</mark> QGEYG
UniRef90_Q27797 UniRef90_U6LMS9 UniRef90_G8ZQV5	VKAGSAFFAPAASGVI MAFAYII KDQKRVI PCAAYII T GQYG
UniRef90_UPI00047DCF94 UniRef90_V9L6V7	I K R K G Y T Y G T A E G L T Y I V S A T L K D E G A L L T V S T V G E Y Y I K R K G T Y Y A V A L A I T R I V E A I L G D E H S I L T V S S L L E G E Y G T S L K G C A S W A T A A V T N I S Q A I M K N L R T I N L V S T F A K D Q H G
UniRef90_H1PY92 UniRef90_F5S9P7	L CGKSTEFGTACTEV VKAI FHDEKKVMPCSAFLQGEYG I EGKGATYYLAMGLARLTQAI LRNQDV <u>V</u> LTVS <u>T</u> LLQGEYG
UniRef90_W1I7S5 UniRef90_R5W846	L C G K S T E F G I A C T C T E V V K A I F H D E K K V M P C S A F L Q G E Y G I E G K G A T Y Y I A M G L A R I T Q A I L R N Q D V V L T V S T L L Q G E Y G V K G T S G Y Y A P A R A I A Y M V E A I L T D A D I M V S C S V L L N G E Y G M L G T S A W Y A P G A A A A R I V E S I I N D E K K V F P S C V H L E G Q Y G L G T G S A Y Y A P A A S V V Q M A E A I L K D K K R I L P S I A Y L E G E Y G
UniRef90_J2HW09 UniRef90_E3BSH2	L G T G S A Y Y A P A A S V V Q M A E A I L K D K K R I L P S I A Y L E G E Y G R G K G Y T S Y A L A T C A V K L V L A L F S D A H L F A P V S V Y L E

UniRef90_K9TQZ6	290 300 310 320 L RD F G V P C Q L G C Q G L T Q V L E L E L D E E R A S A S S S S S S S S S S
UniRef90_K0YP12 UniRef90_I2F537 UniRef90_E0U8U5	IS DVCMAAPTIVGRSGAGRVLNPPLTLNERDGLTASATRGLKDVPFSVPTILGREGVERILKVGLSSAELKGLSNSAGLNDIYLGVPCHLGCRGVEKIFEVNLTEEERSALHVSAES
UniRef90_D5V1Z2 UniRef90_Q39VY0 UniRef90_I3QFU8	YKDIVS GVPIML GKNGVEKI I EL NL T DE QKELFKKSVTS VN GYYVGVPAV L GENGVEQI I QFNL DA E E QA MMDKSVA A LKDM CLGVPVI LGNNGLEKI VELQLNQKENNL LKRSAFH VD GVALSVPSVVSAAGAVPIHETRFDTHELELFHRSADA I KGR YI GVPI VI GENGVERI I EI ELNKAEQA MLDKSVAS LN DICIGVPVI LGKNGLESI VELELNDAEKAKIKESAEA
UniRef90_UPI0003661EA3 UniRef90_UPI0003A1A218	VD GVAL SVPSVVSAAGAVPI HETREDTHELELEHRSADAIKGR YIGVPIVI GENGVERI I EI ELNKAEQAMLDKSVAS LN DICI GVPVILGKNGLESI VELELNDAEKAKIKESAEG
UniRef90_H2BY90 UniRef90_W0EUD1 UniRef90_P80040	LN DICI GVPVILGKNGLESI VELELNDAEKAKLKESAEG QKDISLVVPVTLGRKGWEKI I DFKLSETEQAAFNKSADA LN DIYFGVPVILGAGGVEKI LELPLNEEEMALLNASAKA
UniRef90_E0RDM2 UniRef90_K9P6L6 UniRef90_B3CM44	QKDI SLVVPVTL GRKGWEKI I DFKL SETEQAAFNKSADA LN DI YFGVPVI LGRKGWEKI I DFKL SETEQAAFNKSADA LN DI YFGVPVI LGAGGVEKI LELPL NEEEMAL LNASAKA HTDVCTGVPAI I GSRGLQEVI ELEL SPEERAKFDASCHF LP DVCLSLPTI VNDSGAAAL VQMALTEKEMGQLRHSAEV VK DLFI GVPTI I GKNGVEKV LEVKMNDSEQEMFYKSVSA QKDLCI GVPC VGRNGVEEI VDVKLNDLERELFI KSSAA
UniRef90_G8X5F5 UniRef90_B1LZN1	QKDLCIGVPCIVGRNGVEEIVDVKLNDLERELFLKSSAA VKGM FLGVPLVIGANGVERVLEVTFDDAEKAMFDKSVAS
UniRef90_F7MKS5 UniRef90_A6LX59 UniRef90_V9TW88	VKGM FIGVPIVIGANGVERVLEVTFDDAEKAMFDKSVAS EKDIYAGVPAIIGKNGVEKVIELELTDKENVNLK EENVFASVPVILGKNGVEEIVEINLTEKEKLQFNHTCGI LD GLYIGVPIILGAAGVEKIVEIDLNDEEKKMFDNSVNA TKYGYFISTPTVVGSDGATQILTLPLNENEQNRFNNSFDT
UniRef90_UPI000374DBEB UniRef90_D2QMR3 UniRef90_UPI0003F15038	
UniRef90_F0Z5G7 UniRef90_L7KUV7 UniRef90_F0M8H8	H H C G P T V V G R N G A E D E P L N A Q E K E A L R E S A Q A L E D V C L S L P T V V D R G G A Q T R L E V P L S P D E E A G L L A S A E T L S P C V V G R G G W H T V L E M P M P O G E L A A L D H S A D T
UniRef90_P0C0J2 UniRef90_D1AUS3	IS GVALSLPCVVGRGGVHTVLEMPMDQGELAALQHSADT FHGVNIGVPVVLGANGIEKIIEISLNDKEKEKFAKSVAI VS DLFVGVPVVIGKGGVEEVIEFPLTAEEQAVFDQSVKL VNDGLMVGVLAKLGGAGMEQIIDFKMNADEKAEFDKSVEA
UniRef90_M4VF97 UniRef90_F7XQC3 UniRef90_C7RSB0	YD GVYAGVPAKI GREGVEDI I DLKLSDKQKELLITKSVVN VK GIYVGVPVI LGAGGVERI VEI ELDAEEQAMFDHSVKS
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UniRef90_L0K5P2 UniRef90_Q8PVJ7 UniRef90_I7KHN4	Q K G Y F G V P V K L G A N G E E L E L K L E D S Q C E L K K S S E T V K
UniRef90_D7N2G1 UniRef90_UPI000306DB93 UniRef90_U6KZN5	FS DICLGVPTI LGENGI ERI LELALS DEELK QLQLS ANA
UniRef90_D5UDQ4 UniRef90_UPI0003F145D9 UniRef90_UPI00036F51AE	QSGV <mark>C</mark> VGVP <u>A</u> LIGEGGIEEVLELQLSPEEQLLFERS <mark>C</mark> GI
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UniRef90_Q67LB8 UniRef90_L0L1F9 UniRef90_R6IS26	Y T D M
UniRef90_UPI00037A65D8 UniRef90_K9AMN8 UniRef90_R7N1E6	QEDII NL GV PVI I NKNGWDRI VPLELS DEES QKFNASAEA N DL YL GTLAI I DGNGI QQVI EVPL TAEEG QVKFNQS CNI IK DL YL GTPAVI NSSGI QQVI EVPL TAEEG QVKFNQS CNI IK DL YL GTPAVI NSSGI AQVI QTHL SPEEHEKMKRSAEQ LP DV CL SL PAVL GL GGVETL VEP DV S DAEA EAL ME CSTS QKDL CL GVPVI GRNGWEKI VNI RSEG QAAFAKSADA VKDM YV GVP CVI GRNGWEKI VNI NQEEQAAAFAKSADA VKDM YV GVP CVI GRNGWEKI VNI TPAERE SLHISAES QKDL CL GVPV CI GRNGWEKI VNI TPAERE SLHISAES QKDL CL GVPPVI GRNGWEKI VEL DL TPAERE SLHISAES QKDL CL GVP CRI GC R GVER VI EL DL TPAERE SLHISAES QKDVAAAGVP CRI GC R GVER VI EL DL TPAERE SLHISAES QKDVAAAGVP CRI GC R GVER VI EL DL TP DE R R MF E N S V AA VK GL YVGVP VI GSSGGVER VI EL DL TP DE R R MF E N S V AA VK GL YVGVP VI I GSSKGVEK VI KL QL TALEKK QF N N S V K T H S DV V S G V P V ML GS A G GVE K VI KL QL TALEK K QF N N S V K T H S DV V S G V P V ML GS A G GVE K VI KL QL TALEK K QF N S A A G L H DV TL S L P S L V D R T G C A QR L D V S V D D T E R A G L MAS A A D T LK DV V I GVP CRI GS G G U E K VI EL DL T D E E K V A L S A S A S A YT D M CL G V M T V L G G G G L E K V I EL DL T D E E K V A L S K S E K S VK D V C L S L P S L V G A G G V L E T L K P D F T P E E R K L WD L S A S A A YT D M CL G V M T V L G G G G L E K V I EL DL T D E E K V A L S K S E K S VK D V C L S L P S V V N E T G V R E V I EL DL T D E E K V A L S K S E K S VK D V C L S L P T V V G K R G V H G I I Y F K L S E S E H N D L R Y S A Q K YN D I C L G V P T I L G A E G V K R V V E L K L T E E E Q K Q L D E S A A S C S D I C F G V P T I L G A E G V K R V V E L S L N E E E E E R L Q A S A D A K Y G V T L S M P A K I G WE G I Q Q V Y D V P L S E E E E E R L Q A S A D A
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UniRef90_E3BSH2	E F G T Y I G Y P A I V G K N G I E R V V K L E L P D N E Y A Q L A K S A D L

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UniRef90_E0U8U5	V R E <u>N</u> L K
UniRef90_D5V1Z2 UniRef90_Q39VY0	V K E L V D T L N V K S L V D S L K
UniRef90_I3QFU8	V K N M L K K L
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UniRef90_K9P6L6 UniRef90_B3CM44	L R G M L D E V K E L <mark>C</mark> Q
UniRef90_G8X5F5 UniRef90_B1LZN1	$V R N \overline{M} N D T L$
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	UniRef90_E2AWM9 UniRef90_O67655 UniRef90_D8IMU5 UniRef90_V8NIF8 UniRef90_T0LHY4 UniRef90_K1YRZ3 UniRef90_UPI0004721177 UniRef90_F6A2N6 UniRef90_L0DSI4 UniRef90_J9HTX8 UniRef90_J9HTX8 UniRef90_A3MWU9 UniRef90_A0UCM2 UniRef90_B9LZ61 UniRef90_F5TZL9 UniRef90_F5TZL9 UniRef90_F4FXF8 UniRef90_G7SI97 UniRef90_H7F6C3 UniRef90_UPI00021A6FA8 UniRef90_UPI00046915FB UniRef90_UPI00035D2DF5 UniRef90_UPI0003792010 UniRef90_UPI0003792010 UniRef90_UPI0003792010	LKELGD VYLFDVVDGVPEGKALDIAEGNPHWKGFTTIDE LLGVAREIAIVDSNVQKASGESLDLNHGISFVNPTSIYQA TENLVDELVLIDKNEKLAMSEQYDLLDAQVFLTGKTTIII IGGHVDDLYLYDSNEAKVKADALDFEDSMDNVPFNVNITV ESDLAREIALLDVREGAAAGAALDIQETAPLLGFARLIGD LRSRAAEIVLIDTNVRKANGEVLDMQHGLPFVGGSRIWV IMRIDKKILLIDIVKGLPQGEALDLNHMSAILGDVEYEGS MDPVASEILMIDPKKEVRDAQLQDLSDATFHGNTSTRIRA

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UNIRE90_R9VWGV3 UNIRE90_SECTZ9 UNIRE90_R6QNK9 UNIRE90_X0PRM6 N Y A D C R D A D I V V I T A G A Q M K P G Q T R L D M D D S I R M L K D V UNIRE90_X0PRM6 N Y A D C R D A D I I V N S I G I P R K P G Q T R L D M D D D S I R M L K D V UNIRE90_V0PRM6 N Y A D C R Y A D L I V I T A G A Q R P G Q T R L D M L D D S I R M L K D V UNIRE90_V1PRM6 UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G T R I T R I V I V I T A G I R R R P Q R T R I T R I V I T A G R P Q R T R I T R I T R I V I T A G I T R
UNIRE90_R9VWGV3 UNIRE90_SECTZ9 UNIRE90_R6QNK9 UNIRE90_X0PRM6 N Y A D C R D A D I V V I T A G A Q M K P G Q T R L D M D D S I R M L K D V UNIRE90_X0PRM6 N Y A D C R D A D I I V N S I G I P R K P G Q T R L D M D D D S I R M L K D V UNIRE90_V0PRM6 N Y A D C R Y A D L I V I T A G A Q R P G Q T R L D M L D D S I R M L K D V UNIRE90_V1PRM6 UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G T R I T R I V I V I T A G I R R R P Q R T R I T R I V I T A G R P Q R T R I T R I T R I V I T A G I T R
UNIRE90_R9VWGV3 UNIRE90_SECTZ9 UNIRE90_R6QNK9 UNIRE90_X0PRM6 N Y A D C R D A D I V V I T A G A Q M K P G Q T R L D M D D S I R M L K D V UNIRE90_X0PRM6 N Y A D C R D A D I I V N S I G I P R K P G Q T R L D M D D D S I R M L K D V UNIRE90_V0PRM6 N Y A D C R Y A D L I V I T A G A Q R P G Q T R L D M L D D S I R M L K D V UNIRE90_V1PRM6 UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D M L D T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I UNIRE90_UATJK7 N Y H D C Q Y A D L I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R L D L I T N T A K I V K S I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G Q T R I T R I V I V I T A G A Q R P G T R I T R I V I V I T A G I R R R P Q R T R I T R I V I T A G R P Q R T R I T R I T R I V I T A G I T R
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UniRef90_UPI00036C466C	A D U V R E H A P U A MIV I V V I N P IV II A II I H II V A IV K IV IG I P K A R II IF G
UniRef90_B7JVP2 UniRef90_M5TN84	V P K I E H A P D A I L L I A T N P V D I M T H Q F A I S <mark>C</mark> G T A V S R V I G
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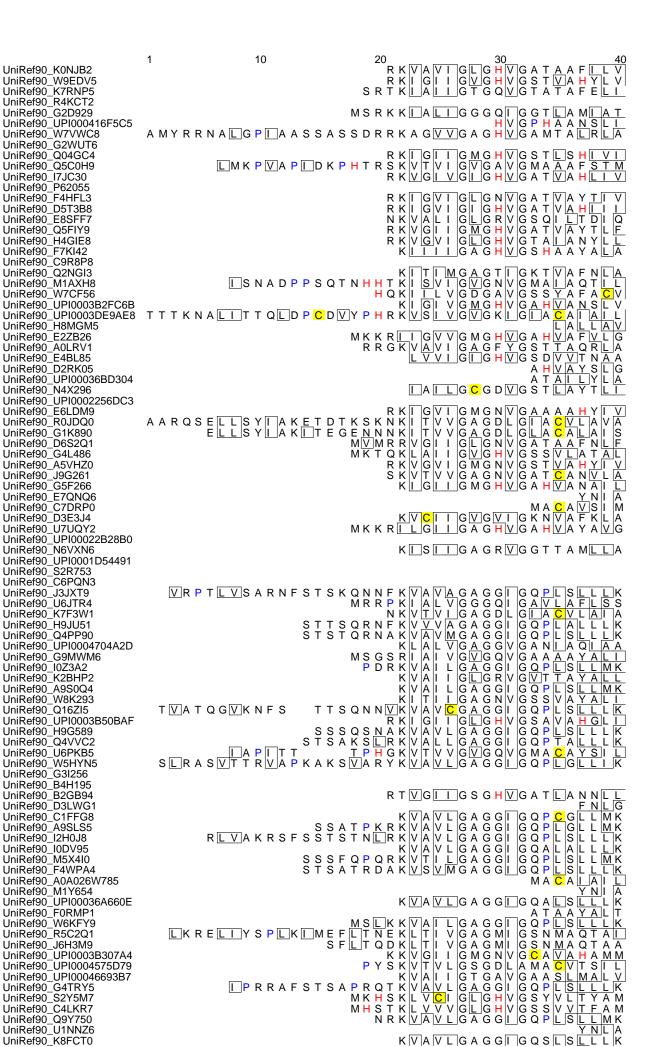
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UniRef90_K7SF38 UniRef90_UPI000361B85D UniRef90_H9ULD2	S G T L D T S R L R Y L S Q W A N V A T P H V H A A I G E H G D S E F P V
UniRef90_UPI0003F908A1 UniRef90_R6RGV3 UniRef90_Q55383 UniRef90_UPI000413445E	S G T V L D T A R L R Y K V G E Y F D L S S R N C H V Y Y M G E H G A G G F V A S G T T L D S A R L R H M M S D Y F K I N P R N V H A Y V I G E H G D S E F V P M A G V L D S A R L K A F I A M K L G A C P S D I N T L V L G G H G D L M L P L T G V W L D T T R L R R T L A E T L E I G P Q S I D A F I L G E H G D S Q F P V
UniRef90_F8AVQ4 UniRef90_B1YKA6 UniRef90_I7CIJ0	T G V W L D T T R L R R T L A E T L E I G P Q S I D A F I L G E H G D S Q F P V Q A G L L D T A R F T N F V A V E L G V P V K S V R T L T L G S H G D T M V P V Q S G V L D T A R F R T F V A M E L N V S V K D I S G F V L G G H G D D M V P L S G T V L D S A R L R L E V S K A L E I P A S L E G A F V I G E H G D S S L V T
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UniRef90_UPI000363135A UniRef90_UPI00036C466C UniRef90_B7JVP2 UniRef90_M5TN84	T G T T L E T L R F K R L L A D H Y N V D A K D V Q G Y M L G E H G N S A F P A M G G I L D S A R F R H F L A S E L G V A Q A D V D A M V L G G H G D D M V P L M A G V L D S S R L Q S F I S L E L G I S S A N I T A L V L G G H G D L M L P L S G T M L D T A R F R T L L G G H F G V D S Q H V H G Y V I G E H G D S E V L T
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UniRef90_R6QWX2 UniRef90_UPI000473A96F UniRef90_I7L6N0 UniRef90_R9WGV3	T G T G L D S A R F R T V L A R E T G I D H K S L VA Y T M G E H G D S Q M A P T G T L L D S S R L R R V V A N E L K V K P H D V H A Y M L G E H G D S Q F A L T G T F L D T A R M Q R I V A E E L D E D P R N V Q G F V L G E H G A S Q F T A T G T S L D S M R L R V L L S K K L H L S V N V I D A L M L G E H G D T S F A A
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UniRef90_Q8EUG3	FSQASVGSI PLSKYRK FSDSQKRALHKDVMRKAYKI
UniRef90_K9X2X6 UniRef90_U1ECV7	FSQASVGSI PLSKYRK FSDSQKRAI HKDVMRKAYKI PRYATVNGI PVTELLDQATI ERMLARTRNGGAEI VEL VRSTNVNGVPLAELLA QDKI EAI VERTRKGGAEI PRYARVEGI PI TQL LPKEKINKI IKHTREAGTEI
UniRef90_X1EZU1	PRYARVEGIPLITQLE LPKEKINKI IKHTREAGTEI
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UniRef90_UPI000473A96F	WS HSTUFGOKLDYYQHEQSTLDKEKTEKEV LKÜĞFELY
UniRef90_I7L6N0 UniRef90_R9WGV3	WSIVSVINGK KAIELIF DEEKLEELISAQPNKNSMKV FNEFTII GGKALNTIT ALISNT DKSEITEKAVI <mark>H</mark> FA GSOITI
UniRef90_B2V8I8	IISVS NVG GOPLKKL
UniRef90_S6ETZ9 UniRef90_R6QNK9	WSI VNI AGQKI DDF <mark>C</mark> QQNDVPMLDPQELLKAIKAIGLEVF
UniRef90_X0PRM6	WDFTTIGGQPIRKWI PENRQDEVLEEIATTVKDAAYSI
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UniRef90_B6IX40	PRESTVAGI PITEL LPADKIAALCQRTAQGGAEI WSNAEAGGLNVAVVEQVGRPLTEAVKARIDDEVRCVAYRI FSRLNVQEFGEKELDKVFEGKEPLDREVFREKVVKTAFDV
UniRef90_UPI00036345EF UniRef90_F7NEE8	F S R L N V Q E F G E K E L D K V F E G K E P L D R E V F R E K V V K T A F D V I A S N I K I K G L S L E Q F P A Y S D K I L T D L I D H V I A T S G E V
UniRef90_A0A023CZG0	WSTVEVKGHTIEDAAAVCGLDLADLDHRARRGGWLIWSTVRVLGQPISKIADERDLDLAELDQEAR RGGFTVFSRLATIGGVPLSSL LSKEELIAIENRTRVGGGEIFSQIRVGGRTINRCEEDHFEGSPFCCSDYEEKVRRKAYEISSLAMTGG ERFYPSDTSRRMFEETKAMGYEV
UniRef90_W6T8D7 UniRef90_UPI00039B06BA	WSTVRVLGQPIISKII ADERDLDLAELDQEAR RGGFTVF SRIATIGGVPIISSII ISKEELJALENRTRVGGGEI
UniRef90_U5ND34	F S Q I R V G G R T I N R C E E D H F E G S P F C C S D Y E E K V R R K A Y E I
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UniRef90_D8IMU5	WSTIVIRIVINNKPII ITEFFTEEEILIEEILIGKKPAE GGFKIVIA
UniRef90_V8NIF8 UniRef90_T0LHY4	WŚ GVNVA GVS L Q D L P Q M G T D Q D P E E WK K V H K Q V V E Ś A Y E V L R Y S S V S G L P L S N L L S K E K L D E L V K R T R E G G G E L
UniRef90_K1YRZ3	WS NAQI GGVT LEKYLKS CSNKNSKPYKEI HEDVKNSAYKI WS SVT VGDRPLLS W DRELDLEILDEAVRAGGWNAWS TVKV LEQPI T DLAEEKNLDLDAVDDE TREGGFTV
UniRef90_UPI0004721177 UniRef90_F6A2N6	WSTVKVLEQPITDLAEEKNIDLDAVDDETREGGFTV
UniRef90_L0DSI4	LRYSGII MGII PLI HAF MDQDAI DRII VERIRAGGAEII
UniRef90_J9HTX8 UniRef90_A3MWU9	WSTANVVGTLID LTAEKRRRVALQTRKAAYEI PSKSFVHGVPLSKL LSEDQLREVVEETVKAGAKI
UniRef90_Q0UCM2	WSLARI GGMPLDSALPKDVKLDREALAEETKN KATELI
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UniRef90_S6C167	ARFCTVNGVPVSHF LEEDRLEELVQRTRDGGAEL
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UniRef90_H7F6C3	WS HS SLYGKPVNEYSLEKLGESLDLKRVGELARDTGFELY
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UniRef90_UPI00046915FB	WSTVRANNKPIT ELLTAAELDSKPSEGAWTV
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UniRef90_UPI00035D2DF5	WS TVNI GG C P VS E LAVE G E A N WLQLES A V R GG G WAI WS A A T I Q N T P L LD H P K L K G V E LD S I R Q E VMR K A Y A I MR Y C A V G C V P L S N F LS A Q Q I G H I V E R T R N G G G E I I K E T K V D G V P L D E V L N E N E I K N I I Q K T R N G G I E I WS G V N V A G V S L K S L P A L G T D G H L E H WK D V H K Q V V E S A Y E V WS W B V C G M S V C P L N E N E I K N I P V C P L N E N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E I R N E
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UniRef90_G2HYX1	IKETKVDGVPLD EVLNENELKNI LQKTRNGGÜEL
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UniRef90_D3ANQ4 UniRef90_E8LT55	WSQAMIATKPILSL <mark>C</mark> EE KSLISIAGQPADYY <mark>C</mark> DTHHIERI <mark>C</mark> ADELLDSVKQAGYEL
UniRef90_B9V2Z4	WSGANIVIAGIVINILI
UniRef90_U2EXK3 UniRef90_K9PZR7	WGLVDVAGVPVDKLHTAFDLPAPLNREDLLEKTKAAGFEI WSSATLGGTDLRSWPDWTTEKEEHVATE VRTAAYEI
UniRef90_C2CYB4	WSSATLGGTDLRSWPDWTTEKEEHVATE WRTAAYEI WSTVRVLGKPITDIAKEKGLDLDALDQE ARTGGYTV WSSIHVAGKIRDINPRMGEADDPEKWRDISVAVNKIDDEL WSRVNLAGLPLLEYCAACGKSLAARKKSIEDDVRNAAYHV
UniRef90_E2AWM8 UniRef90_S7ULC7	WS SILINIVIA GKI KUJI IN PRIMGE A DUPEK WRUJI ISVJAVIN KILID DELI WS RIVINI IA GILIPIL LEY <mark>C</mark> A A <mark>C</mark> GKSITA A RKKSI IF D DIVIR N A A Y HIV
UniRef90_C4LFJ3	WSLATYRGQSLREIC PALDEELKATLLHQTKRAGWDLR WSHVSLGCLTLDEVAAQTGKTFDLSELEQAGR MGGYVTY
UniRef90_C8W8Q2 UniRef90_F7VQR5	W S
UIIII VUINU	WOEN THE OWNED TO MONTH OF A WIDALIGHT IN LAATER

	250 260 270 280
UniRef90_A5CF61	VSLLQAYYAPAAATMTMVESYLKDQKQILA <mark>C</mark> SVYVENYYS
UniRef90_B3QX21 UniRef90_K7SF38	I E G K G A T Y Y I G A V L A R I S E A L I R N H R A V L T V S A N I P I D G K G A T N Y I G L T G A R L T E V L L S A T R S V L P L S G I V H G T H G V K T G S A Y Y A P A A S S A R M V Q A I L K D E K A L L P C A V Y T Q G E Y G
UniRef90_UPI000361B85D UniRef90_H9ULD2	V K T G S A Y Y A P A A S S A R M V Q A II L K D E K A L L P <mark>C</mark> A V Y T Q G E Y G L K A K S T Y Y A V A Q A V A L L T Q A V L R D E R R L L P L T A V M S G E E
UniRef90_UPI0003F908A1	I EYKSAYYAI GÜĞLÜRI VRAI VRNENSVVT I GAHLDGEYG
UniRef90_R6RGV3 UniRef90_Q55383	LIQTGTAYYAPASSAAVIMIVIESILLRNQSRILLPAATYILIDGAYG
UniRef90_UPI000413445E	V K T G S A Y Y A P A A S S A R M V Q A I L K D E R A L L P I T A V M S G F E I E Y K S A Y Y A I G L G L R I V R A I V R N E N S V V T I G A H L D G E Y G I K A K K A T Y Y I G M V L A R L T R A I L F D E N S I F T V S T Y L K G E Y G L Q T G T A Y Y A P A S S A A V M V E S I L R N Q S R I L P A A T Y L D G A Y G A R K G C T E F G L A G T L A E L C R N I F T G S H R A L A V S C V L Q G E Y G V K T G S A Y Y A P S A A A A R M V K A V A E D S G A V I P A C A W V D G E F G V G S A Y Y A P S A A A A W W M V E A I L R D C R R I L P A Y V E G E Y G C C C C C S A Y Y A P S A A A A W W M V E A I L R D C R R I L P A Y V E G E Y G C C C C C C C C C C C C C C C C C C
UniRef90_F8AVQ4 UniRef90_B1YKA6	VQLGSAYYAPSAAARMVRAVAEDSGAVIPACAWVDGEFG VQLGSAYYA <u>P</u> AAAIVEMVEALLKDQRRILP <u>AI</u> AYLEGEYG
UniRef90_I7CIJ0 UniRef90_N4XSB7	V QLGSAYYAPAAAI VEMVEAI LKDQRRI LPATAYLEGEYG INRKRTHYGIGAALVKI LQAMI FDKNEI LPVSALLNGEYG QSKGATNYGLGGVAASI CKSI LFDQRNI RPVS HYQ
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UniRef90_R6QWX2	AGKGATEFGI CSTLARL VFCVFHDEKAVMPVSTQLNGQYG
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UniRef90_S6ETZ9	VNLMGTYHAPGASVVEMVEAILKDKKEIMPCSIYLEGEFY SLKLNTNHAIAASVFRIIRAISINEYSVLPVGTMLNGEYG INGKSTEFGIGAACADICKAIFHDEKRVIPASVLLEGEYG
UniRef90_R6QNK9 UniRef90_X0PRM6	I S Q K G T F Y G I A A S L T R I T Q A I L N D D L T P F A L S I H L T G E Y G I A L K G T V Y A P G N A V A T M L E S A I R D K K L V I P V S A L L E G E Y G
UniRef90_K0lC78 UniRef90_U4TJK7	I A L K G T V Y A P G N A V A T M L E S A J R D K K L V J P V S A L E G E Y G L D K K G T F V G T A V L G D Q R S A F A M S V H L D G F Y G G T T T T T T T T
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UniRef90_UPI000249100E UniRef90_E1QGP1	FEGKYTNFAVAT <mark>C</mark> AVKLAMAVFSDAK <u>LA</u> CPVSA <u>YS</u> D VKTGSAYYA <u>P</u> ASAAVEMAEAI LKDKKKI LP <mark>C</mark> AAYLQGQYG
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UniRef90_F7NEE8 UniRef90_A0A023CZG0	TALK GTVFAPAVSA <mark>CIVLEAIVHNASAILPVCTVNERY</mark> FSGKHY <mark>C</mark> YAITT <mark>C</mark> AIKLA <u>LA</u> VLSDA <u>HLAC</u> P <u>T</u> SVYLE
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UniRef90_Q7UY63 UniRef90_I3DJX3	FRUKGHTSYI AMATUTI LDSTAYDURHTMPVSVLVDGYUG
UniRef90_UPI00036CF85A	A G K N C T E F G L G C T C A N L V K A I F H N E R R V L P C S A Y L D G E Y G I K R K G G A G Y A G I A I R D V I H S I A L D Q Q R I L P V S S L V Q G A Y N I T K K G Y H S W V G L C A S E L V D A I V R N T C A C F T V S T F L K G C H G
UniRef90_E2AWM9 UniRef90_O67655	VINILIMGIYYAPAAAII VIDMII IEAIL VIQNSKRII LIPCSIVIYILIDGEAG
UniRef90_D8IMU5 UniRef90_V8NIF8	NGKGYTSYALIATCGVKLIAQAVLISNAHFFGPVSTYVE
UniRef90_T0LHY4	VKTGSAYYAPGASITAMVESIIRDKKRVIP <mark>C</mark> AAYIFSKHY
UniRef90_K1YRZ3 UniRef90_UPI0004721177	VKTGSAYYAPGASITAMVESIIRDKKRVIPCAAYIFSKHY LAAKSTYYAIALSICSIIKAIVRNEQTIMPVSTFLDDYYG FAGKGYTSYIATCAARLIRMILNDSKTLVPVSAYNKQA FYGKKYTNYLAAAAVRLVNAVMTDSREQMPVSNYRE
UniRef90_F6A2N6 UniRef90_L0DSI4	FYGKKYTNYLAAAAVRLVNAVMTDSREQMPVSNYRE
UniRef90_J9HTX8	I E S K G Y T S Y LALAL D R C T A L L Y D E H A V L N V S T L L H E Y R G
UniRef90_A3MWU9 UniRef90_Q0UCM2	NNKGVTNYGIGAVVASL <mark>C</mark> K <u>SI</u> LFDKRDVVPVS <u>H</u> WQ
UniRef90_B9LZ61 UniRef90_F5TZL9	LISGKQATYYII GSALANI VEVMVYDRRSI LITVCTPLPEVEG YGKKYTSYGII ASAAI RII AVAI VISDSHEFII PVIS
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UniRef90_Q7SI97	FYGKKYTNYLAAAAVRLVNAVMTDSREQMPVSNYRE LALKQTSSAPAAAIKAMVEAIVLDRRRVLPTVALLNGEY IESKGYTSYLALALDRICTAILYDEHAVLNVSTLLHEYRG LRGFSSNWGPGAGLAIMADSVKRDARRSLIASVVLKGEYG NNKGVTNYGIGAVVASLCKSILFDKRDVVPVS HWQ ISGKQATYYIGSALANIVEVMVYDRRSLLTVCTPLPEVEG YGKKYTSYGIASAAIRLAVALVSDSHEELPVS NYY LSLRKISSAPGAAVAEMVDAIARNRRLLPVSNYRE NLHASPYVAPAAAIIEMAESYIRDLRKVLICSTLEGEYG HQKGCTEYGIGGTIVEICRHIFSGSQRALTVSCILEGEYG IKGKGTWYGIGGGLARIVQAISDDERAVVTCSIVNPSVAG EEKKGSCCWWAVSTAEIVDAIVRNTKVVLPASTHLSCAHG
UniRef90_H7F6C3 UniRef90_W9H5U0	HQKGCTEYGIIGGTII VEIICRHIIFSGSQRALITVISCI LEGEYG IKGKGTWYGIIGGGLARII VQAIISDDERAVVITCSI VNPSVAG
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UniRef90_B9V2Z4 UniRef90_U2EXK3	TTRK <u>G</u> YTSATA <u>ASV</u> ARVVKGTL <u>L</u> DER <mark>C</mark> TLPLSTA <u>Q</u> NGA <mark>C</mark> G
UniRef90_K9PZR7 UniRef90_C2CYB4	T R K G Y T S A T A A S V A R V V K G T L L D E R C T L P L S T A Q N G A C G L Q R K V T N H A I G L V T A T L V K W I L R G D R R I L T V S R V Q N G M F F H K K Y T N Y G V S T A A V R I A Y T I M S D A R T F I P V S N Y R F
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UniRef90_F8AVQ4 UniRef90_B1YKA6 UniRef90_I7CIJ0		
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UniRef90_E6LDM9 UniRef90_R0JDQ0 UniRef90_G1K890 UniRef90_D6S2Q1 UniRef90_G4L486 UniRef90_A5VHZ0 UniRef90_J9G261 UniRef90_G5F266 UniRef90_E7QNQ6 UniRef90_D3E3J4 UniRef90_U7UQY2 UniRef90_U710Q22B28B0	N D Y D A L A D A D V I I S A I G N D N P N N D R F A E L P F T S V E A T K V K D F S A S A D S K V V V L T V N S L G S A Q T Y L D V I Q S N V D L F R G I K D F S A S A H S K L V V L T V N S L G S A Q T Y L D V V Q S N V E L F R N I G D W D K L R D A D L I I A G F G V K V T S S E E L A I N S R N A Q S V G D Y T D L A D A D I V I V A A T H V Y P N G E D R Q E L T E N L P I I H E I S D Y S A L K D A D V I V S A L G N I D N P N A D R F A E L P F T R R A V K E V N D Y E K T A N S D V V V I T S G I P R K P G M T R E E L I G V N A G I V K S V E N Y E E L L G C D V I V N A A G H V A Q A A G N R D G E L F C T A E E T K K W G T Y E D T A G S D V V V I T A G V R Q R E G E S R L S L V Q R N V E I F K G I S D Y K D M A G S Q I I L I T A G A P R K E G M E R S D L A H T N A Q I V Y N Y A T W A D L R D C D L L V N A L G P T R Y V T E D R N D E M D Y T V K A A A L C
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UniRef90_UPI0004575D79 UniRef90_UPI00046693B7 UniRef90_G4TRY5 UniRef90_S2Y5M7 UniRef90_C4LKR7 UniRef90_Q9Y750 UniRef90_U1NNZ6 UniRef90_K8FCT0	G D F S A L S G C E A V V V A A G A N Q Q P G E T R L E L L G R N A A I F Q E L E M K T T L K D M D L V L I P A G V P R K P G M S R D D L F D S N A R I V R D L D I K E A L T G A K Y V V S S G G A A R K A G M T R E D L L K G N A A I A E E F D L K E A L T G A K Y I V S S G G A P R K D G M T R E D L L K G N A E I A A Q L N D W S A L A D A D V L I S T L G N I S Q T S G D R L A E L Q F T S Q M V A Q V K D M S A S A G S N V V V V T A N T L G K E G S Y V N V L Q S N V E L F R S L G D Y A D L K G A A L V I I T A G V N E K A G G G R L R L L D T N V A V Y K D I K L E D A L K G V E V V V I P A G V P R K P G M T R D D L F N T N A S I V R D V G T Y D D T R D A D M I I V A A G A S I L P D P D D P D L A K L S G E V V R D V G T Y D D T R D A D V I I C A A G A S L V P D P D R P D L A K V G A Q A A R D V D L E G A V D G A E I V L I P A G M P R K P G M T R D D L F N S N A S I V R D L G T Y A E T E D S D V V V V T A G I P R G P G Q T R I D L A S D N A P I M A D I E E L E A L K G C D L V I I P A G V P R K P G M T R D D L F S I N A G I V R D L

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UniRef90_B3H195 UniRef90_B2GB94 UniRef90_D3LWG1 UniRef90_D3LWG1 UniRef90_C1FFG8 UniRef90_A9SLS5 UniRef90_I2H0J8 UniRef90_I0DV95 UniRef90_M5X4I0 UniRef90_M5X4I0 UniRef90_A0A026W785 UniRef90_A0A026W785 UniRef90_A0H0036A660E UniRef90_UPI00036A660E UniRef90_FORMP1 UniRef90_W6KFY9 UniRef90_W6KFY9 UniRef90_UPI0003B307A4 UniRef90_UPI0003B307A4 UniRef90_UPI00046693B7 UniRef90_UPI00046693B7 UniRef90_UPI00046693B7 UniRef90_C4LKR7 UniRef90_C2Y5M7 UniRef90_C9Y750 UniRef90_Q9Y750 UniRef90_UNNZ6 UniRef90_UNNZ6 UniRef90_UNNZ6 UniRef90_UNNZ6	Y S P D T I L L M V S N P V D I M T Y V A W K L S G L P K N R V I G G T K L R E V G F D G V L V S I S N P C D V V A A L F Q H Y T G L P R D Q V I G I P K I M A A G F D G I F V N I T N P C D V I T N L I R E K S G L P S H R V V G T E A C A A H C P K A M I N M I S N P V N S T V P I I L K K K G V Y D P K K L F A S A I A E H C P G A L V N M I S N P V N S T V P I A A K Q K G T Y D P K R L F T Q Q I A D T C P K A L I G L I T N P V N S T V P I A A K G K G V Y D F K K L F T Q Q I A D T C P K A L I G L I T N P V N S T V P I A A K G W Y D P N R V F G S A A I A K F C P N A L V N M I S N P V N S T V P I A A K K A G W Y D P N R V F G I P I I A K Y A Y K A V L L V V T Q P I D Y M S Y L T W K L S K F P S S R V L G G A S L D E H N D E Y V S I T T S N P V N S T V P I A A K K A G T Y N P K R L F I P I I A K Y A Y K A V L L V V T Q P I D Y M S Y L T W K L S K F P S S R V L G G A S L D E H N D E Y V S I T T S N P V N T T V A I V A K K A G T Y N P K R L F I P I I A A R Y A R A R A R V Y D P N R V F G G G N D R H K V I G A E E I V Q Q C P N A M V G I I T N P V N T T V A I V A K K A G T Y N P K R L F I P Q I C E A A P L A A L V I A T N P V D L L N R H L Y E S G D R D R H K V I G G K N V K A Y C P D V K V V V I F N P A D I T G L V T L L Y S G L R P E Q V T A D Q L K Q S G F K G T L I V V S N P L D V L A T L F Q S L T G L P A N Q V I G I S Q L D A V V P E M L T L V I S N P V D S T V P I V A E K A G T F D P A R L F M P G I V K H T R D A I V L F I T N P L D A V V H L A H T E F D Y P A S K V L G M K N V S E R T K E P V I I F I T N P L D A V V H L A H T E F D Y P A S K V L G M K N V S E R T K E P V I I F I T N P L D A V V H L A H T E F D Y P A S K V L G M K N V S E R T K E P V I I F I T N P L D A V V H L A H T E F D Y P A S K V L G E S V A E Y N D D F V S I T T S N P V N S T V P I V A K K A G V Y D P K K I F E S S V A E Y N D D F V S I T T S N P V N S T V C E V M K Q N G K F D K K I L G T C G S V A D H C P N A V V A L I S N P V N S T V C E V M K Q N G K F D K K I L G T C G S V A D H C P N A V A L I S N P V N S T V C E V M K Q N G K F D K K	

	470 400 400
UniRef90_K0NJB2	170 180 190 200 T G T F L D T A R M Q R V V G E K L G Q D P R N V S G F N L G E H G S S Q F T A
UniRef90_W9EDV5	T G T II I I D S A R M K R A IVIS F R II IKII ID P R A IVIS G Y N II IG F H G N S O F T A
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UniRef90_UPI000416F5C5 UniRef90_W7VWC8	T G T C L D S A R L R T V I S L T T K L A P E S I Q A Y MI G E H G N T Q I A A M A G V L D S A R F C A L V G L T G K A R P Q D V R A V A L G S H G P E M V I P
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UniRef90_Q5C0H9 UniRef90_I7JC30	T G T Y L D T A R L K R V F G E A L G V D P R S V N G Y V L G E H G A S Q F A A
UniRef90_P62055 UniRef90_F4HFL3	S G T I L D T A R F R A L L A E H L R V A P Q S V H A Y V L G E H G D S E V L V T G T F L D T A R M Q R A V S Q A L R Q N P H N I E G Y V L G E H G E S Q F A A
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UniRef90_E8SFF7 UniRef90_Q5FIY9	T G T L L D T A R L R R T I A K N Y S V D T K N V H G Y L L G E H G G S A F A A M A G A L D T A R F R T Y I A M E T G L S V K D V S C L V M G G H G P T M I P V T G T C L D S A R L R T V I S L T T K L A P E S I Q A Y M I G E H G N T Q I A A G V L D S A R F C A L V G L T G K A R P Q D V R A V A L G S H G P E M V I P T G T S L D T T R F R R E L G H H F G I S P R S V H A F I I G E H G D S Q L P V T G T F L D S S R L K K E I G E R F K I D P R S V S G F V I G E H G D S Q P A A S G T I L D T A R L K R V F G E A L G V D P R S V N G Y V L G E H G D S S V P R T G T Y L D T A R L K R V F G E A L G V D P R S V N G Y V L G E H G D S E V L V T G T F L D T A R L K R V L G E H L R V A P Q S V H A Y V L G E H G D S Q F A A T G T Y L D T A R L K R V L G E T L H V D P R S V Q G Y M L G E H G D S Q F A A T G T Y L D T A R L K R V L G E T L H V D P R S V Q G Y M L G E H G D S Q F A A T G T Y L D T A R M Q R A V S Q A L R Q N P H N I E G Y V L G E H G S S Q F A A T G T Y L D T A R M Q R I I G E K L G Q D P K N V E A F V I G E H G S S Q F L A T G T Y L D T A R M Q R I I G E K L G Q D P K N V E G W V L G E H G S S Q F L A T G T L L D S A R M K K A V G Q A L D I D P R S V T G Y N L G E H G S S Q F L A T G T L L D S A R F R Y A L S Q H T G V D A R N L H A Y V I G E H G D T A V L L G T L L D S A R F R Y A L S Q H T G V D A R N L H A Y V I G E H G D T A V L L G N H L D S L R L K T L L S K H F H I N S R E I H T R V I G E H G D T A V L L S K H F H I N S R E I H T R V I G E H G D H M V P L S G T N L D S S R F R F L I A D H L D V N A Q D V Q V
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UniRef90_Q2NGI3	LGNHLDSLRLKTLLSKHFHINSREI HTRVIGEHGDHMVPL
UniRef90_M1AXH8 UniRef90_W7CF56	SGTNLDSSRFRFLIADHLDVNAQDVQV SGTSLDTARFRMSIADFLKVDARNVHGYLLGEHGDTEFPA
UniRef90_UPI0003B2FC6B	TGTAILIDSSRILIKYAILISRATGYDOHSILI <mark>C</mark> AYMILIGEHGSSMEAA
UniRef90_UPI0003DE9AE8 UniRef90_H8MGM5	GTLIDCARLQDFVSRRYHPPSPYFFPYHPCPHPFAVPLW MAGVLDTSRFKCFVAEALGVSIRDVEALVLGGHGDDMVPL TGTGLDTSRLVSAUSQQTGIDHHSFTAFMFGEHGNSQMTP
UniRef90_E2ZB26	T G T G L D T S R L V S A I S Q Q T G I D H H S F T A F M F G E H G N S Q M T P
UniRef90_A0LRV1 UniRef90_E4BL85	Q A G ML D T A R F S H F V A E E L G V P L R A V R T L T L G S H G D T M V P V T G T A L D S A R L R R H L A D W A G V S P D P V Q A F M L G E H G A T A F P Y
UniRef90_D2RK05	T G T L L D S A R L C H A L S D A T G L D S R S F N A F M L G Q H G N A Q F V P
UniRef90_UPI00036BD304 UniRef90_N4X296	MÁGVLDT <mark>C</mark> RFRYFVÁEELGVRPGDVSAMVLGG <mark>H</mark> GDSM <u>VPL</u> TGTSLDSARLRGVLAEKAEVAPNSLDAYVLGEHGDSQFEK
UniRef90_UPI0002256DC3	
UniRef90_E6LDM9 UniRef90_R0JDQ0	T GT L L DS A R MK R A V G R QL A L D P R S V Q G Y N L G E H G N S Q F T A V G G N L D T E R F Q Y T L A N L L Q V Q A L G K D A W V V G E Q G E D K V L S I G C N L D S S R F Q H I I T N V L K A Q T R D K G H W I V G E Q G E N K V T A L G T M L D S V R L R R V I S E K L E L N S K Q I G G F V L G E H G L C D F I A T G T M L D S S R L R Q L L G Q R Y Q V D P K S V S G Y M M G E H G F A A F P V T G T L L D S A R M K R A V A E R L N L D P R S V D G Y N L G E H G N S Q F T A
UniRef90_G1K890 UniRef90_D6S2Q1	
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UniRef90_A5VHZ0 UniRef90_J9G261	T G T L L D S A R M K R A V A E R L N L D P R S V D G Y N L G E H G N S Q F T A M G G A L D S S R F K Y F L S Q A L G C N A N E V E G M V I G G H G D T T M I P
UniRef90_G5F266	S G T A L D S A R F R HAL WD A T G Y N P N S I T S WMI G E H G A S Q F A A
UniRef90_E7QNQ6 UniRef90_C7DRP0	F G G R L D S A R F R Y V L S Q R F D A P V Q N V E A T I M G E H G D A Q V P V S G T N L D S A R F R F L L S E K L G I A P T S C H G WI I G E H G D S S V P V
UniRef90_D3E3J4	LGNHLDSLRLKTYFARRLDINSSEVHTRVVGEHGERMVPL
UniRef90_U7UQY2 UniRef90_UPI00022B28B0	T G T G L D T A R L I N F L A Q S T G L S H G S L T A Y M M G E H G F A Q M V P S G C N L D S A R F R Y L I G E K L S V H S A S C H G WI I G E H G D S S V P L
UniRef90_N6VXN6	LGTHLDSLRFKVAIAKFFKVHLDEVRTRIIGEHGETMVPL
UniRef90_UPI0001D54491 UniRef90_S2R753	S G <mark>C</mark> N L D S A R F R Y F I G Q R L G H S E S <mark>C</mark> H G L I L L G E H G D S S V P V S G T A L D S A R L R S E I G <u>L R</u> Y N V D A R <u>I</u> V H G Y <u>I</u> M G E H G D S E F P V
UniRef90_C6PQN3	T G T M L D S A R L R K T V A N L Y H I D P K S V T G Y M M G E H G M T A F P V
UniRef90_J3JXT9 UniRef90_U6JTR4	MAGVLDSARFRSFVAEKLQVSVEDVQAMVMGGHGDAMVPL
UniDaton K7E2\\\\\	GCNLDTERFQY I TNLLKAQTIGKEAWI I GEQGEGK V PAGVT TLDV V RAAT FVGELNGVDPT SVAVPVI GGH
UniRef90_Q4PP90	GVTTLDLVRSNAFI GEAKGLDPQKVAVPVI GGHSG
UniRef90_UPI0004704A2D UniRef90_G9MWM6	MSGTILDSARILRQAILAQAARVDAGDIIDAIIALGSHGREMIPI SGTYLDSVRIRGIIADKTEVAAKSIIDVEVLGVOGESOVTA
UniRef90_I0Z3A2	GVTTLDVVRARTFYAEKKGLPVADVEVPVVGGHGVTLLPF
UniRef90_K2BHP2 UniRef90_A9S0Q4	S G I L L D I A R F R L H L S K S I S I S A K S I H T Y I L G E H G D S S F A T GVT T L DV V R A N T F I V A D V I G V D P K M V D V P V I G G H
UniRef90_W8K293	MAGVLDNARFKYEVAKKLKARLSSVDTRLIĞFHNDDMVLV
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UniRef90_H9G589	GVTTLDIVRANTFVAQLKGLDPARVNVPVIGGHA
UniRef90_Q4VVC2 UniRef90_U6PKB5	SGTNLDSARFRFLLSEKLHIAPSSCHGWIIGEHGDSSVAV
UniRef90_W5HYN5 UniRef90_G3I256	GVTTLDVVRAAATFVGELNGVDPTSVAVPVIGGH GWTTLDIVVRSNAFIGEAKGLDPQKVAVPVIGGH GGH GWTTLDIVVRSNAFIGEAKGLDPQKVAVPVIGGH SGH GSGTYLDSSVRLRGLLADKTEVAAKSIDVFVLGVQGESQVTA GVTTLDVVRAATFVADKTEVAAKSIDVFVLGVQGESQVTA GVTTLDVVRAATFYAAEKKGLEVAAKSIDVFVLGVQGESQVTA GVTTLDDVVRAATFYAAEKKGLEGEHGDSSFAT GVTTLDVVRAANTFVADVIGGEHGDSFAT GVTTLDVVRAANTFVADVIGGEHGDSFAT GVTTLDVVRAANTFVADVIGGEHGDSFAT GVTTLDVVRAANTFVAQVVDPVLGGHGNSQFTA GVTTLDVVRAANTFVAQVALKKARLSSVDTRLIGGHASG GVTTLDIVRAANTFIGEAAKGLDVQKVNVPVIGGHA GVSTLDDTARRANTFVAQVALKKARLSSVDTRLIGGHASG GVTTLDIVRAANTFIGEAAKGLDVQKVNVPVVGGGHGGHA GVTTLDIVRAANTFVAQVALKGLDPARVNVPVVGGHAGHA GVTTLDIVRAANTFVAQVKKGLKLIDVNDVPVVGGHA GVSTLDDVVRAANTFVAQVKKGLKLIDVNDVPVVGGHA GVSTLDDVVRAANTFVAQVKKGLKLIDVNDVPVVGGHA GVSTLDDVVRAANTFVAQKKGLKLIDVNDVPVVGGHA GVSTLDDVVRAANTFVAQKKGLKLIDVNDVPVVGGHA GVTTLDIVVRAANTFVAQKKGLKLIDVNDVPVVGGHA GVSTLDVVRAANTFVAQKKGLKLIDVNDVPVVGGHA GVTTLDDVVRAANTFVAQKKGLKLIDVNDVPVVGGHA GVTTLDDVVRAANTFVAQKKGLKLIDVNDVPVVGGHGH SGTNLDSSRFRFRILSEKKGKVDVPVVGGHGHGIT LP GTTLLDTSRMKKVVVGQRFELDDPRSVSGYNLGEHGNSQMAA GVTTLDVVRAAKTFVAEKNGLETAKKVDVPVVGGHGGH GVTTLDVVRAAKTFYAEKNGLETAKKOVDVPVVGGHGGHGIT LP GVTTLDVVRAAKTFYAEKNGLETAKKOVDVPVVGGHGGHGIT LP GVTTLDVVRAAKTFYAEKNGLETAKKOVDVPVVGGHGGHGIT LP GVTTLDVVRAAKTFYAEKNGLETAKKOVDVPVVGGHGGHGIT LP GVTTLDVVRAAKTFYAEKNGLETAKKOVDVPVVGGHGGHGIT LP GVTTLDVVRAAKTFYAEKNGLETAKKOVDVPVVGGHGGHGIT LP GVTTLDVVRAAKTFYAEKNGLETAKKOVDVPVVGGHGGHGIT LP GVTTLDVVRAAKTFYAEKNGLETAKKOVDVPVVGGHGGHGIT LP GTTLLDVVRAAKTFYAGEKNGLETAKKOVDVPVVGGHGGHGIT LP GVTTLDVVRAAKTFYAGEKNGLETAKKOVDVPVVGGHGGHGIT LP GTTLLDVVRAAKTFYAGEKNGLDDPRSGVEGHGGGGAGGVVAAVYF TGTLLDDVARANAFILAEAKNLDSQKVNNVPVVGGHGGHGGIT SEVLA GTTLLDVARANAFILAEAKNLDSQKVNNVPVVGGHGGHGGTT SEVLA GTTLLDVARANAFILAEAKNLDSQKVNNVPVVGGHGGHGGTT SEVLA GTTLLDVARANAFILAGAGNDPRGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
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UniRef90_B2GB94 UniRef90_D3LWG1	T G T L D T S R M K K V V G Q R F E L D P R S V S G Y N L G E H G N S Q F T A T G T L D S A R L H V A A H T G L D A R G F T A F M L G F H G N S O M A A
UniRef90_C1FFG8	GVTTLDVVRAKTFYAEKNGLETAKVDVPVVGGH
UniRef90_A9SLS5 UniRef90_I2H0J8	G V T T L D V V R A R T F L A H R K G L N V R D V D V P V V G G H G T L P L G V T T L D S V R A S R F I S E L Q N T D P T K E F V S I G G H S G
UniRef90_I0DV95	GVT TLDTIRSNT FVA ELKGKKPHETEVPV I GGH
UniRef90_M5X4I0 UniRef90_F4WPA4	V T L D V K A K F Y A G K A N V E A S E V D V P V V G G H G L T L D L T L D L T T L D L T T T T T T T T T
UniRef90_A0A026W785	T GT L D S S R F Q D L L S Q K L G L A R T S I S C V N I G A Q G D S V S L W
UniRef90_M1Y654 UniRef90_UPI00036A660E	GVT T L DV I R A E T FVA E K K GL N P A E II T VPV I G G H S G T
UniRef90_F0RMP1	S G T V L D S A R F R H L I A Q R A G V D A T H V H G Y V L G E H G D S E V L A
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UniRef90_J6H3M9	TLIA AL DSTRIL QSEL AKHFGVAQSEVVARTYGGHGEAMAVF
UniRef90_UPI0003B307A4 UniRef90_UPI0004575D79	T GCNLDTQRLRYLL RPLCQPPAHQPWLIGEHGENQVAV
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UniRef90_S2Y5M7	ŢĞŢMLDŠĂRLRWVVAKQLGIDPKSVTĞYMMĞEHGLTAVPI
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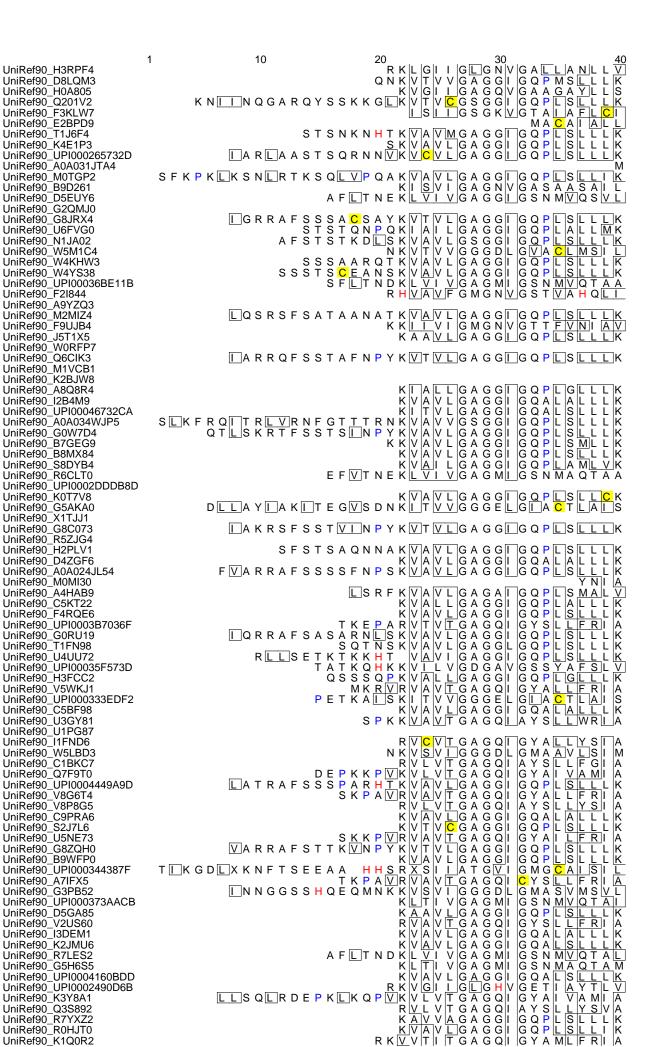
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UniRef90_F9UJB4	A R G L Q A E <u>F V F I</u> D <u>K</u> N E A L <u>C</u> E A <u>H</u> A H D <u>F</u> Q D <u>M V A L M P R</u> N N T F R Q
UniRef90_J5T1X5 UniRef90_W0RFP7	ENPNVTELALYDVR NAPGVAADISHVNTNSLVKGFEQE AGELLLSDLRAELAEGEAMDLAHGAAFYPAA TVRA LNHKVTDLRLYDL KGAKGVAADLSHIPTFTPESKESQA
UniRef90_Q6CIK3 UniRef90_M1VCB1	LNHKVT DLRLYDL KGAKGVA A DLSHIPTFTPESKESQA MDLQHGGAFYS TRIRAA
UniRef90_K2BJW8 UniRef90_A8Q8R4	\overline{M} T A T
UniRef90_I2B4M9	OIL PSGSFILISILIY DILIAP IVIT PGIVIAIVIDILIS HILIPT NIVIRILIS GESGE
UniRef90_UPI00046732CA UniRef90_A0A034WJP5	R N K L V S K L S I Y D I K K
UniRef90_G0W7D4 UniRef90_B7GEG9	LNHNVTDLRLYDLR NAKGVATDLSHIPTNSTVKGFAPD
UniRef90_B8MX84	L S P A I G E L A C Y D I V G T P G V A A D L S H I P T R A R W P P R G N E L N P R V S E L A L Y D I R G G P G V A A D L S H I N T N S T V S G Y T P S M N P L V S L L H L Y D V V N S P G V T A D L S H M D T A S M V R G F L G Q
UniRef90_S8DYB4 UniRef90_R6CLT0	MLIRLIPNI CLYDVYE PGLEGVCEEMRHCG FEGVNFIYII
UniRef90_UPI0002DDDB8D UniRef90_K0T7V8	E I I I D V A R I R A E G Q V L D L A H A A A F W G H N R F Y P L S P E V S E L S C Y D I V G T P G V A A D L S H I P T P V S W P L R G N G
UniRef90_G5AKA0 UniRef90_X1TJJ1	AKGLADKLVLLDFSEG TKGGTMDLDLFSLPN VEIS
UniRef90_G8C073	LNDKVTDLRLYDLR GAKGVAADLSHLPTNSTVKGFTPD
UniRef90_R5ZJG4 UniRef90_H2PLV1	A M H N V E G D A L D M N D G A S F W S D E P G K E G N S P L V S R L T L Y D I A H T P G V A A D L S H I E T K A A V K G Y L G P
UniRef90_D4ZGF6 UniRef90_A0A024JL54	N S P L V S R L T L Y D I A H T P G V A A D L S H I E T K A A V K G Y L G P T Q L P A S K L S L Y D I A P V T P G V A V D L S H I P T A V E V K G F A G Q L N K D V T G L S L Y D L R G T P G V A A D L S H I P T N S K V T G Y T K G
UniRef90_M0MI30	L R G A D E V F V D P E D T T V G Q A A D V N H G V A Y D T N T
UniRef90_A4HAB9 UniRef90_C5KT22	QNKRVSDLALYDI VQ PRGTAVDLSH FPRKVKI A GYPTK MNPMI TELALYDI PQARTPGVAADVSHI NTPAQVK GYAGM
UniRef90_F4RQE6 UniRef90_UPI0003B7036F	MNPMITELALYDIPQARTPGVAADVSHINTPAQVKGYAGMQNPHITELALFDVA TMVKGVAVDIAHLNTPSTVCGYSADSGDMLGQLLEITPALKALNGVVMELRDCAFPLLHDIVVITD
UniRef90_G0RU19 UniRef90_T1FN98	LNTRVTELALYDIRGGPGVAADISHVNTKSLVKGYEATPS INPHISHLALYDIVQ VPGVAADLSHCSTRAKVSSHLGP
UniRef90_U4UU72	LNPGLGELRLHDIV NLPGVAMDLSHLETASKVTHFTEK
UniRef90_UPI00035F573D UniRef90_H3FCC2	LNPGIGELRLHDIV NIPGVAMDLSHIETASKVTHFTEKNQGIAQELGIIEIPQEKAVGDALDLSHALAFTSPKKIYSAQDSNIANLALYDLV GTPGVAADLSHIDSNVRVKAYTGA
UniRef90_V5WKJ1 UniRef90_UPI000333EDF2	S G Q M F G E D T Q V D L Q L L E L K G V V M E L E D C A F P L L S S V T P T S A K G II A D K L V L L D F S E G T K G G M M D L D II F S L P N V E II S
UniRef90_C5BF98 UniRef90_U3GY81	QLPSGSELSLYDIAP VTPGVAVDLSHIPTAVKVCGFGGENGDVYGELNLLEITPGATEGVAMELLDSAFPLVSKITITDVADEVVFVDIPEDVTVGQAADTNHSIAYDSNT TVRK
UniRef90_U1PG87	VADEVVETVOI PEDVITVIGAAADTNHSTAYDSNT TVRK SGSVFGELTLLDII TPMMLKGVVMELQDCALNLLKDVVATD
UniRef90_I1FND6 UniRef90_W5LBD3	S G S V F G E L T L L D I T P M M L K G V V M E L Q D C A L N L L K D V V A T D A K S P V D K L V L I D I P E S S T K G G T M D L E L F S L P N V E V S
UniRef90_C1BKC7 UniRef90_Q7F9T0	K G D V F G A L V L L D I T P M V L D G V V M E L Q D C A L P L L K E V I P T D R Q P V V L H L L D L P V A A N A L N G V R M E L I D A A L P L L R G V V A T S
UniRef90_UPI0004449A9D UniRef90_V8G6T4	L N T R V T E L ALL Y DI
UniRef90_V8P8G5	K G D V F G T L V L L D I T P M M L D G V L M E L Q D C A L P L L R E V L A T D
UniRef90_C9PRA6 UniRef90_S2J7L6	QSELITHUSLIY DU V NTPGVA A DIVSHUNT QSKVT GHVG A
UniRef90_U5NE73 UniRef90 G8ZQH0	A G E M A D Q P V V N D K A Q Q A M Q G V M M E L Q D C A F P L L A G M E A H S L N H K V T D L R L Y D L K G A A G V A A D L S H I P T N S V V K G F T P D
UniRef90_B9WFP0 UniRef90_UPI000344387F	L N H K V T D L A L Y D I R G A P G V A A D V S H V P T N S T V K G Y N P D V K G I S G E V A E V D V D E G K II T G E T M A I O H G S P E P K M I N I V S S
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UniRef90_G3PB52 UniRef90_UPI000373AACB	SKUKVUKL VIFILIVINUSSIKGGSI DILIE I FRI PQVEVS MMGL TPNI <mark>C</mark> AYD <u>PY</u> APALEGVAEEMFH <mark>C</mark> G FEGVNLTYTS
UniRef90_D5GA85 UniRef90_V2US60	A S P L V D E L A L Y D V V N S P G V A A D L S H I S S P A K V T G Y K D H S G E M L G K L Q L L E I A Q O A L O G V K M E L D D C A F P I I N F I I L C T D
UniRef90_I3DEM1	LQLPASALSLYDVAP VTPGVAKDISHIPTEVĀVEGFAGT
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UniRef90_G5H6S5 UniRef90_UPI0004160BDD	MMRILIPNICILYDPFAPALIEGVAEELFH <mark>C</mark> G FENVNLTFTS TQLPASDLALYDVAPVVPG VAVDLISHIPTAVISVKGYGKD
UniRef90_UPI0002490D6B UniRef90_K3Y8A1	SKGTVDQLVLIDVDDKRALAQQYDLVNTITSLNTSTKIII
UniRef90_Q3S892	K G DV F G PL V L LD LQP GV LE GV V M E M M D C A L P L LR EV LPS V
UniRef90_R7YXZ2 UniRef90_R0HJT0	NTPG VATD L S H L S S P A K V T G F L P K MS P L V S T L H L Y D A _ N V K G V A A D L S H C N T P S Q V R D F T G S
UniRef90_K1Q0R2	S G E V F G E NVEI DIL K L LE L E G V K M E L D D G A F P N L A S L T T T S

UniRef90_H3RPF4 UniRef90_D8LQM3	90 100 110 120 Q D Y A A L K D A D A V V L A L G N A E L L K E Q R F A E L T D V G K M M R Q I E E M A T L D G A D V V V I P A G V P R K P G M T R D D L F N T N A S I V K G I
UniRef90_H0A805 UniRef90_Q201V2 UniRef90_F3KLW7 UniRef90_E2BPD9	E E MATL D G A DV V V I PA G V P K P G M T R D D L F N T N A S I V K G I G T Y A D L A G A A V V V V T A G T S L K P G Q T R L D L L A A N I H V V S S V N L K D A V A D T D V V I I P A G L P R K P G M T R D D L F N T N I S I V C D I D D F S K I S G S N I V V I T A S T G T Y L K S R T E M M D A Q V K M I K E I S D L Y K I R D S S V V V I A A C E K K P G E K L D V K N N V D V F K R I K G F D S L R G C D V V V I P A G V P R K P G M T R Q D L F N T N A T I V R D L I K G F D S L R G C D V V V I P A G V P R K P G M T R Q D L F N T N A T I V R D L I
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UniRef90_A0A031JTA4 UniRef90_M0TGP2 UniRef90_B9D261 UniRef90_D5EUY6	GEYADVAKADI LVLTAGAATHGDETRTSI AGKSAEI VRAC SELANLKDVDVVVI PAGVPRKSGMTRDDLENVNANI VKTL DDFELIADSDI VVVTAGSPRKEGQTREDLLLKNAGI VKGT DPKEAFTGAKYI I SSGGAPRKEGMTREDLLKGNCQI AADF
UniRef90_G2QMJ0 UniRef90_G8JRX4 UniRef90_U6FVG0 UniRef90_N1JA02	GLRNALDNADVVLIPAGVPRKPGMTRDDLFALNAGIVRDL
UniRef90_W5M1C4 UniRef90_W4KHW3 UniRef90_W4YS38 UniRef90_UPI00036BE11B	E D A E A L T N S E I V I I P A G V P R K P G M S R D D L F N N A S I V R D L R D L S A S A D S K V V V V T S N A W S D D E S F V S V V Q T N V D L Y Q G I Q L D Q A L E G V K V V V I P A G V P R K P G M T R D D L F N T N A S I V R D L D Q L E A L Q G C D V V L I P A G V P R K P G M T R D D L F N T N A S I V R D L D I A E A L K D A K Y I I S S G G A P R K E G M T R E D L L K G N S E I A A G L N D Q A A L K S A E V I V S A L G N G L I G P D R F G E L K H N R E Q V K K V
UniRef90_F2I844 UniRef90_A9YZQ3 UniRef90_M2MIZ4	KDYSVIANSKVVVVIAGARQQEGESRLINLVQRNILNI FKFI GIKE <mark>C</mark> LTGAQIVLIPAGVPRKPGMTRDDLFNTNASIVRDL
UniRef90_F9UJB4 UniRef90_J5T1X5 UniRef90_W0RFP7 UniRef90_Q6CIK3	GTFADAKGADIVVVAASVPADKLTDRLALAGANAKLMKTFALQGALEGADVVIIPAGVPRKPGMTRDDLFNTNASIVQGLAPFDELLATNALVIAAGRGKPGESRLDLLRDNARVMRDVLESYEDTAHSAVCIITAGVRQRPGESRLELMDRNAALFKGIDKFEDLSGTDLVIFTAGSSQQPGQTRLDLTKQNCEIVAKLNEDEALQDADIVVIPAGLPRKPGMTRDDLFNTNASIVRDL
UniRef90_M1VCB1 UniRef90_K2BJW8 UniRef90_A8Q8R4 UniRef90_I2B4M9	E S Y E D T A H S A V C I I T A G V R Q R P G E S R L E L M D R N A A L F K G I D K F E D L S G T D L V I F T A G S S Q Q P G Q T R L D L T K Q N C E I V A K L N E D E A L Q D A D I V V I P A G L P R K P G M T R D D L F N T N A S I V R D L L D A T P A L E G A D I V L I S A G V A R K P G M D R S D L F N V N A G I V K N L
UniRef90_UPI00046732CA UniRef90_A0A034WJP5 UniRef90_G0W7D4 UniRef90_B7GEG9	D L P K A L D G S N V V V I C A G L A R K P G M D R S D L F K F N A T V I Q N L N L P A A L E K A H V V M V V G G T A R K P G M K R E D L F N K N A S V V E E I Q Q Q D T I K D S D L I L I P A G V P R K P G M T R D D L F N I N A G I V H D L G L G E A L T G A D V V V I P A G V P R K P G M T R D D L F N T N A G I V K T L
UniRef90_B8MX84 UniRef90_S8DYB4 UniRef90_R6CLT0 UniRef90_UPl0002DDDB8D	DATPALEGADIVLISAGVARKPGMIRDDLFNINASIVRDLDATPALEGADIVLISAGVARKPGMDRSDLFKFNAGIVKNLDLPKALDGSNVVVICAGLARKPGMDRSDLFKFNATVIQNLNLPAALEKAHVVMVVGGTARKPGMDRSDLFKFNATVIQNLNLPAALEKAHVVMVVGGTARKPGMKREDLFNKNASVVEEIIQQQDTIKDSDLILIPAGVPRKPGMTRDDLFNINAGIVKTLGLRDALKGSEIVLIPAGVPRKPGMTRDDLFNINAGIVKTLGLRDALKGSEIVLIPAGVPRKPGMTRDDLFNINAGIVKTLNLSDALKGSEIVIPAGVPRKPGMTRDDLFNINAGIVKTLNLSDALKGNAGVAEQLUDVKVAFTDAKYIISSGGAPRKQGMTRDDLFNINAGIVKTL
UniRef90_K0T7V8 UniRef90_G5AKA0 UniRef90_X1TJJ1	GLEETLSGADVVVIPAGVPRKPGMTRDDLENTNASIVKTL KDLSASAHSK VVIFTVNSLGNAESYLDVVQSNVDMFRTL LIQRNADIVKSI
UniRef90_G8C073 UniRef90_R5ZJG4 UniRef90_H2PLV1 UniRef90_D4ZGF6	CDYSICDDADAVVITSGAPQKPGQTRLELLGANASIVAGV
UniRef90_A0A024JL54 UniRef90_M0Ml30 UniRef90_A4HAB9 UniRef90_C5KT22	DPSAALEGADVVLISAGVARKPGMDRSDLFNINAGIVKNLGLKEALAGVEVVVIPAGVPRKPGMTRDDLFNTNASIVRDLGTYEDTAGSDVVVIIPAGVPRKPGMTRDDLFNTNASIVRDLGTYEDTAGSDVVVIITAGLPREPGGSRLDLGEDNAPIMEEIWIHKALDGADVVLMPAGMPRRPGMTHDDLFNTNALTVHELEELEALKGSDVVIITAGVPRKPGMTRDDLFSINAGIVRDLDESKALKGADLVVIPAGVPRKPGMTRDDLFNINAGIVRDL
UniRef90_F4RQE6 UniRef90_UPI0003B7036F UniRef90_G0RU19 UniRef90_T1FN98	DPMVAFKDADLVVIPAGVPRKPGMIRDDLFNINAGIVRDL DPMVAFKDADYALLVGAMPRKAGMERGDLLSANGGIFKPQ GLAAALKGSDIVLIPAGVPRKPGMTRDDLFNTNASIVRDL DQLKTCDGAKVVVMPAGVHRKPGMTRDDLFQTNAAVVRHL SSCAALKGGVDIIIVAGLPRKPGMQRSDLFKANAQIIFDI KYEDCADADLVVITAGAPQKPGETRLDLVGKNLAINKSI KELTACEGADVVVIPAGVPRKPGMTRDDLFNTNAGIVRDL
UniRef90_U4UU72 UniRef90_UPI00035F573D UniRef90_H3FCC2 UniRef90_V5WKJ1	S C A A L K G G V DI I I V A G L P R K P G M Q R S D L E K A N A Q I I F D I I K Y E D C A D A D L V I T A G A P Q K P G E T R L D L V G K N L A I N K S I K E L T A C E G A D V V V I P A G V P R K P G M T R D D L E N T N A G I V R D L E M S V A F K D A D WAL L V G S L P R K K G M E R A D L L K K N G G L F V E Q
UniRef90_UPI000333EDF2 UniRef90_C5BF98 UniRef90_U3GY81 UniRef90_U1PG87	E MSVAFK DADWAL L VGS PRKKGMERADL LKKNGGIFVEQKDMSASAHSKVVILTV NSLGNSQSYLDVVQSNVDMFRALDASPALVGADIVLISAGVARKPGMDRSDLFNVNAGIIRNLKAEEAFDGASAFLVGAKPRGAGEERSALLAANGKIFGPQGEYADTAGSDVVVITAGLPRGPGDSRLDLAGDNAPIMEGIKPEEAFKDLDVAILVGSMPRREGMERSDLLKANAKIFETQ
UniRef90_I1FND6 UniRef90_W5LBD3 UniRef90_C1BKC7 UniRef90_Q7F9T0	K P E E A F K DIL D V AII L V G S M P R R E G M E R S D L L K A N A K I F E T Q K D L S A S A G S K V V V V T A N A W S E E Q S Y V S V V Q T N V D M Y R R I K E E V A F K D L D A A I L V G S M P R R D G M E R K D L L K A N V A I F K S Q D E A E A F K G V N V A I V I G G W P R R D G M E R K D L L S K N V T I Y K S Q Q L D A A L E G V K V V V I P A G V P R K P G M T R D D L F N T N A S I V R D L D P M T A F K D V D I A L L V G A R P R G P G M E R K D L L Q A N A Q I F T V Q K E D V A F K D L D V A I L V G S M P R K E G M E R K D L L K A N V K I F K S Q
UniRef90_UPI0004449A9D UniRef90_V8G6T4 UniRef90_V8P8G5 UniRef90_C9PRA6	QLDAALEGVKVVVI PAGVPRKPGMTRDDLENTNASI VRDL DPMTAFKDVDI ALLVGARPRGPGMERKDLLQANAQI FTVQ KEDVAFKDLDVAI LVGSMPRKEGMERKDLLKANVKI FKSQ DPTLALQGADVVLI SAGVARKPGMDRSDLFNI NAGI VRNL
UniRef90_S2J7L6 UniRef90_U5NE73 UniRef90_G8ZQH0 UniRef90_B9WFP0	DPTLALQGADVVLISAGVARKPGMDRSDLFNINAGIVRNL AQLEEAKDSAVVVIPAGVPRKPGMTRDDLFKINAGIVRDL DPQQAFRDVDYAMLVGSRPRGPGMERAELLNINGQIFVGQ QDHKALENTDVVLIPAGVPRKPGMTRDDLFAINAGIVRDL QIEEALTGSDVIVIPAGVPRKPGMTRDDLFAINAGIVRDL KVYLVTANSNIVIITD ACQRKGETCLDLVQRNVSMFKLM
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UniRef90_D5GA85 UniRef90_V2US60 UniRef90_I3DEM1	GLIRNILE GADVI VIPAGIIPRKPGMIRDDLE KLINAGII VRDL DPNVAFKDADVAL LVGARPRGPGMERADLLQENAKIFTVQ DPSDATKGADIVI ISAGVARKPGMTRADLEDVNANI IRSI
UniRef90_K2JMU6 UniRef90_R7LES2 UniRef90_G5H6S5 UniRef90_UPI0004160BDD	KLADALTGADVVLIPAGVPRKPGMDRSDLENVNAGIVRAL DVAEAFKDAKYIISSGGAPRKEGMTREDLLKGNCEIAEQL DIAEAFKDAKYIVSSGGAARKAGMTREDLLKGNAQIAEQL DLASALVGADIVLIPAGVPRKPGMDRSDLFNINAGIVANL QDYAALKNADVIITSFRSTESKQNGNLDDFASSVTIAQQV
UniRef90_UPI0002490D6B UniRef90_K3Y8A1 UniRef90_Q3S892 UniRef90_R7YXZ2	QDYAALKNADVIITSFRSTESKQNGNLDDFASSIVTIAQQV DEAEAFQGVNFAVLIGGWPRKDGMERKDLIAKNVAIYKSQ NEMEAFKDVDVAMLVGAMPRREGMERKDLLAANVKIFKSM DDKNAFTGADVVVIPAGIPRKPGMTRDDLFKINAGIVRDL ELADCLKDVNVVVIPAGVPRKPGMTRDDLFNINAGIVKDL
UniRef90_R0HJT0 UniRef90_K1Q0R2	ELAD <mark>C</mark> LK DVNVVVI PAGVPRKPGMTRDDLFNI NAGI VKSL SLDVAFGDSDWAFL VGSVPRKAGMERNDLLNINGGIFTGQ

UniRef90_H3RPF4 UniRef90_D8LQM3	130 140 150 A P Q I K Q S G F S G V L L N L A N P N E A A T A Y L Q Y L T E L P R P K V I A E Q C S K S C P K A C F L I I S N P V N S T V P I F A K A N G V Y N P Q K L L E R V L A V A P E T V L L F A T N P V D V M P A V A V R R F G V P P G R A I I K V I G Q V S P H A L V G I I S N P V N S A V P E I L K K L N V Y D P K R L	160 G M
UniRef90_H0A805 UniRef90_Q201V2 UniRef90_F3KLW7 UniRef90_E2BPD9	I PLI AKLAGKAV LLVVS QPI DVMS YVT WKLSKFPS HRV L	_ G
UniRef90_T1J6F4 UniRef90_K4E1P3 UniRef90_UPI000265732D UniRef90_A0A031JTA4	A E A CVQV C P K T ML CI I IS N P V N S T V P I A A K K G N C F D P K R L V I A C A K V C P K A F I G V V S N P V N S T V P I T L K K A G V F D P A R L A T A C A Q V C P K A M L A I I S N P V N S T V P I T L K K A G V Y D P N R I I D E V K A V G F D G V I V V A S N P A D A M A Q V A Q Q A S G L P P E R V I	- F - F - G
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UniRef90_G8JRX4 UniRef90_U6FVG0 UniRef90_N1JA02 UniRef90_W5M1C4	A S A I G D Y S P K A S V L V I S N P V N S T V P I V A K S K N V Y N P K K L S R A C G K Y C S D A M I C I V T N P V N S T V P I I L K K E G V Y N P R R L A S A I S K S A P N A N L L I L S N P V N S T V P I V A K K A G C Y N P K R L I P C L A R C S P S A V L L I A S Q P V D I M T H V A W K Q S G L P P S R V L	- F - F - G
UniRef90_W4KHW3 UniRef90_W4YS38 UniRef90_UPI00036BE11B UniRef90_F2I844	A E A C V Q V C P K T M L C I I S N P V N S T V P I A A K K G N C F D P K R L Y I A C A K V C P K A F I G V V S N P V N S T V P I T L K K A G V F D P A R L A T A C A Q V C P K A M L A I I S N P V N S T V P I T L K K A G V F D P A R L I D E V K A V G F D G V I V V A S N P A D A M A Q V A Q Q A S G L P P E R V I V E A V A D N A P D A F I H L I S N P V N S T V P E V L K Q K G V Y D P N K I V E K I A K F A P N C V I I N V T N P L D A L T Y L V Y K T S G F D K N R V L G E N L K K Y C P D V K H V V V I F N P A D V T A L T A L I H S G L K P N Q L M R D M T P F R S D A I V I V V S N P V D L L T S I A Q E L S G L P R F Q V F A S A I G D Y S P K A S V L V I S N P V N S T V P I V L K K E G V Y N P K R L A S A I S K S A P N A N L L I I S N P V N S T V P I V A K K A G C Y N P K R L L P C L A R C S P S A V L L I A S Q P V D I M T H V A W K Q S G L P P S R V I A S A I A R V S P E A H I L V I S N P V N S T V P I V A Q K A G V Y D P R R L C K A A A E T C P E A M L G I I T N P V N S T V P I V A Q K A G V Y D P R R L C K A A A E T C P E A M L G I I T N P V N S T V P I V A Q K A G V Y N P S K I G Q N I K K F C P D V K H V I I F N P A D I T G L V T M L H A G I D P R R V I P N V K Y S P N C L L M V V S N P V D I L T Y V A W K L S G F P R H R V I	- F F T G
UniRef90_A9YZQ3 UniRef90_M2MIZ4 UniRef90_F9UJB4 UniRef90_J5T1X5	I P N I VK Y S P N C I L MV V S N P V D I L T Y V A WKL S G F P R H R V I A K A A A D A C P D A N M L I I S N P V N S T V P I T A K S K G V Y N P K R L G D E L V K N G F N G V V V V A A N P C D V M A S V F S Y A S G I P A E K V I A E A V A K Y A P K A L V G I I S N P V N S T V P I F A K K A G V Y D P K R I	G F S
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UniRef90_R6CLT0 UniRef90_UPI0002DDDB8D UniRef90_K0T7V8 UniRef90_G5AKA0	V D R T A <u>V L </u> A P D A <u>Y V I</u> A S N P <mark>C</mark> D <u>V L </u> A G V <u>V </u> H D R <u>L Q C A R E R <u>V I</u> V E G <u>C</u> A E F <u>C</u> P E A V I <u>A</u> I </u>	S S V G
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UniRef90_C5KT22 UniRef90_F4RQE6 UniRef90_UPI0003B7036F UniRef90_G0RU19 UniRef90_T1FN98	S A A V A R Y S P K A I L A I I S N P L N S L V P E T L R R A G V Y D P R K V A K A S A Q Y A P K A L L L I V T N P V N S T V P I V Y K K A G V Y D H R K V A N G M V A H C P K A F I L V I S N P V N S T V P V V A K K A G V F D P K R L G E A I N A V A K R D I V V V V G N P A N T N A L I A Q Q N A P D I D P K Q F A K A V A E S A P K A K L L I I S N P V N S T V P I V F K Y R G V Y D P N K L A D A V A K F S P G A I L C I I T D P I N S T V P I V F K Y R G V Y D P N R I	. F . T
UniRef90_U4UU72 UniRef90_UPI00035F573D UniRef90_H3FCC2 UniRef90_V5WKJ1	AKNMAELISPEAI LLIVINPVNPIIACEVLKDAGKL <mark>C</mark> ARRV VITEVIKSGFNGL <u>FL</u> VAANPVDVLTYATWKFSGFPKERVI VFTLAKAAPKAFLAU LTNPVNSTVPIVMKNNGIDAKKRU	/ L G F
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UniRef90_I1FND6 UniRef90_W5LBD3 UniRef90_C1BKC7 UniRef90_Q7F9T0	QSSLAAHTEEFVTVTTSNPVDLLNRHLYESGDRSREQVIGKALDQFAKKTVVLVVGNPANTNCLLAIKSASSLPKENFIPSLARLSPTAVLLIVSQPVDIMTHVAWRQSCLPPTHVIGTALENYAKKTVVLVVGNPANTNCLIAAKSAPSIPKENFASALHQHAPNCKVLVVANPANTNALVLKEFAPALPAKNI	_ G ⋷S □T
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UniRef90_UPI000344387F UniRef90_A7IFX5 UniRef90_UPI000373AACB	IPNLAHYSPKAVLIIASQPVDIMTHVAWRQSGLPPTQVI	_Ġ
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UniRef90_Q3S892 UniRef90_R7YXZ2 UniRef90_R0HJT0 UniRef90_K1Q0R2	GNALDTQAKKNIVVVVGNPANTNAYICKKYAPSINPANFIKGAAEYCPKAYFLIISNPVNSTVPIAAKGAGVFDPKKLVEAVADNCPNAFIHIISNPVNSTVPIAAE VLKKKVIGKALDKNAPTCKVLVVGNPCNTNALIAKSMCKNLEEKNF	- I - F - G

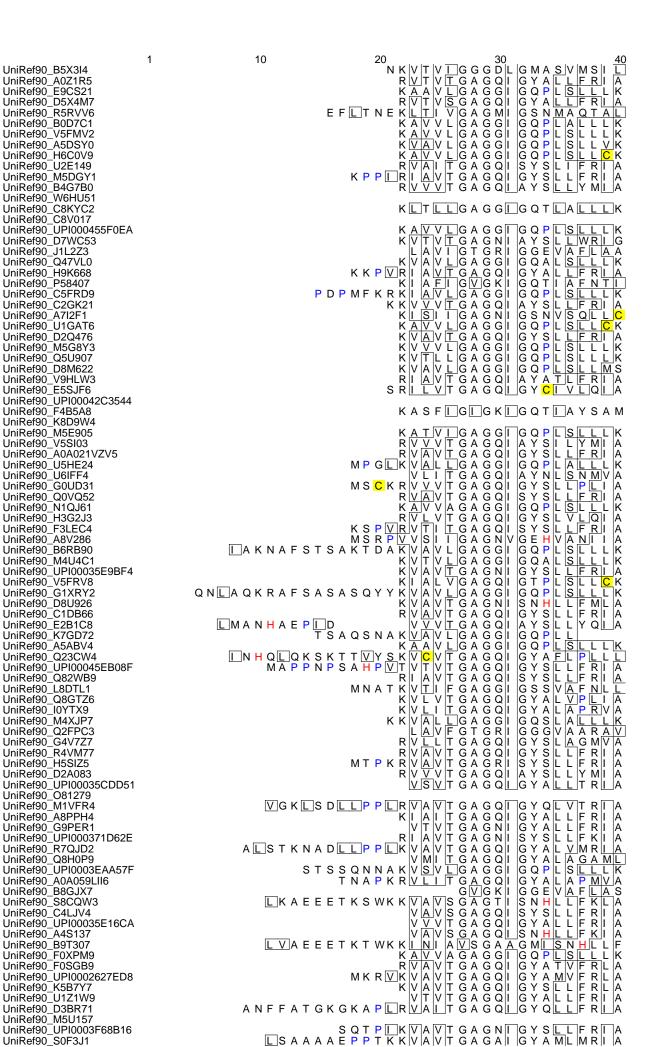
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UniRef90_M1VCB1	RS GITVGGVPLRTCFERMTDAAS DLVKGVHQQVVAAAYEV
UniRef90_K2BJW8 UniRef90_A8Q8R4	VTTATIGGKPLLSFPEMSPDHLAWSLAE TRKDAGKLI IITIIPLLSQAKPFCKFSNDEVKKLTERIQNAGTEV
UniRef90_I2B4M9	S GVT L PLES QIP GVS F T D E EVA F L T K R I Q N A G T E V
UniRef90_UPI00046732CA UniRef90_A0A034WJP5	S G K T I L P V M S Q V G G F E F T D E E A A Q L V R H I Q D A G T E V S G Q T L P V L S Q C K P A L K L D K E K A T K L K R I Q E A G T E V
UniRef90_G0W7D4	TI PLESQUENCSTLSQEQKNELIHRUQFGGDEV
UniRef90_B7GEG9 UniRef90_B8MX84	RSGILT V G G V P L RT C F E R M T D A A S D L V K G V H Q Q V V A A A Y E V V T A T I G G K P L L S F P E M S P D H I A W S L A E T R K D A G K I I I I I I I P L L S Q A K P F C K F S N D E V K K L T E R I Q N A G T E V S G V T I L P V M S Q V G G F E F T D E E A A Q L V R H I Q D A G T E V S G X T I L P V M S Q V G G F E F T D E E A A Q L V R H I Q D A G T E V S G X T I L P V M S Q V G G F E F T D E E A A Q L V R H I Q D A G T E V S G X T I L P V L S Q C K P A L K L D K E K A T K L I K R I Q E A G T E V G I T I P L S Q L E N C S T L S Q E Q K N E L I H R L Q F G G D E V G I T I L P L Y S Q L E G F A P S D A E R E A I T V R T Q F G G D E V S G V T I V P L L S Q S S H P S I E G K T R D E L V N R I Q F G G D E V A S S V M I Q G T P L T S L I G T D K L T A E Q W E E I K Q K T I Q G G S N I I W S G A T V S G M P L E T F L A R S G K E L G P A S R D L L L R S V H E A A K L I T I L P L F S R V G A K F S D E E L E A I T V R T Q F G G D E V
UniRef90_S8DYB4	AGVTILPLLSQAKPPCSLTEEETKVLTYRIQNGGTEV
UniRef90_R6CLT0 UniRef90_UPI0002DDDB8D	A S S V M I Q G T P L T S L I G T D K L T A E Q W E E I K Q K T I Q G G S N I I W S G A T V S G M P L E T F L A R S G K E L G P A S R D L I L R S V H E A A K L
UniRef90_K0T7V8	T L P L F S R V G A K F S D E E L E A L T V R T Q F G G D E V
UniRef90_G5AKA0 UniRef90_X1TJJ1	WGGQEVINHSSR VQLSNRAVEL WSMTHVAGVLMDYCVICRGCDSKKGHEDIIHRVRDSAYHI
UniRef90_G8C073	WSMTHVAGVLMDYCVICRGCDSKKGHEDIIHRVRDSAYHI ITIPLLSKTKYYKSLSDEQREQLIHRIQFGGDEV YSAASIGTTPIEEYKGISGAELDAHLEKIHYNVWHSAYDV GKTIIPLISQVEGVSETDEGHVPGFGRAPVVDSPA
UniRef90_R5ZJG4 UniRef90_H2PLV1	GKTI I PLI I SQV I PVD WRRPGHVPGFGRAPV VDSPA
UniRef90_D4ZGF6	
UniRef90_A0A024JL54 UniRef90_M0MI30	S G H T V P L I S Q S G H P D S G E T L D A L V N R I Q F G G D E V F S K V R I D G E D R S F G D D E R A D I L E G L Q E S A M N V
UniRef90_A4HAB9	S G Q T I V P L F S Q S G V A L T R E Q A E Y L T H R V R V G G D E V
UniRef90_C5KT22 UniRef90_F4RQE6	A GVTI MPVF S QCT PTVKI DHETVLA L DSHVQNA GT DV L L S Q S S P S L P S S L L S D E T K L K E L I N R I Q F G G D E V
UniRef90_UPI0003B7036F	II IS Q A TIVIN G Q P AII ID QIVID R T WY F T F YII IP TIVIA K R G A AII
UniRef90_G0RU19 UniRef90_T1FN98	S G V T I V P L F S Q S N H P E L S S N A E L V N R V Q F G G D E V S G V T I V P L I S Q C Q P F V S F P H D E R V A M T T R I Q K A G T E V
UniRef90_U4UU72	S G N T L L P L I S K A N P K V S L E G E K L M K L I K R L Q Q G G T E V
UniRef90_UPI00035F573D UniRef90_H3FCC2	A GITTTPVLSQVTPSVKFSEDEIKKLTPRIQDAG <u>TEV</u>
UniRef90_V5WKJ1	
UniRef90_UPI000333EDF2 UniRef90_C5BF98	S G V T I L P L L S Q I P G V S L S E R E V A E L T K R I Q N A G T E V
UniRef90_U3GY81	DQQWYLEEFVPRVAKRGAEI
UniRef90_U1PG87 UniRef90_I1FND6	VA HANVQTASGSIGAYEAVKDDSWIKGDFIKTVQQRGAAV
UniRef90_W5LBD3 UniRef90_C1BKC7	WS G T S V D K H Q M L A P V T S S T K P L I E R G L E M
UniRef90_Q7F9T0	WSGQ SGVTI LPLLSQIPGVSLSEREVAELTKRIQNAGTEV ISYATIGGQNVSDLV FSKVRADGCDLTVSEDERTEILADLQESAM NVI VAHANVQTASGSIGAYEAVKDDSWIKGDFIKTVQQRGAAV WSGTSVDKHQMIAPVTSSTKPLIERGLEM VHCKVNMAGSDLACFEAVKDDTWLKGEFIATVQQRGAAV ASHATVSTDRGERPVRELIADEIWLREEFVTDVQQRGAAV HSGPTIVPLLSQTSYGKAVKGEAYEAIVKRIQFGGDEV URFATVNGGSIEKKINDDVWN KDTFIPTVGKRGAAIIFA
UniRef90_UPI0004449A9D UniRef90_V8G6T4	HSGPTI VPLLSQTSYGKAVKGEAYEALVKRLQFGGDEV IRFATVNGESLEKKINDDVWN KDTFLPTVGKRGAALLEA
UniRef90_V8P8G5	VNHAKVKIQGKYTGVYEAVKDDNWLKGDFIKTVQQRGAAV
UniRef90_C9PRA6 UniRef90_S2J7L6	S GIVITII LIPILLIS QIVIQ YIVIE WKEEEII A PILIT K RII QN A G T E V
UniRef90_U5NE73	VNHAKVKIQGKYTGVYEAVKDDNWLKGDFLKTVQQRGAAV SGVTI LPLLSQVQYVEWKEEIAPLTKRIQNAGTEV VTILPLLSQVEGTEKLSQEQIEKVTNRIQFGGDEV YRFANVGGQSIKDLINDHDWNVNTFLPTVGKRGAALIAA
UniRef90_G8ZQH0 UniRef90_B9WFP0	
UniRef90_UPI000344387F	S G V T I V P L L S Q T K H K D L S G E T R D A L V H R I Q F G G D E V X S G V N I D G V S L K D L N L D T G T D E D P E Q WE N V Q T V Y R F A T A N G K P L P E L I N D E T WY R E T L L P K V G K R G A A I L E A M S S S G V Q P E L A A G S N S T K P L L D R A F G M M
UniRef90_A7IFX5 UniRef90_G3PB52	Y R F A I A N G K P L P E L I N D E T WY R E T L L P K V G K R G A A I I E A M S S S G V O P E I A A G S N S T K P I I D R A F G M M
UniRef90_UPI000373AACB	ASTATIVIDGK PILIAKILTIGTP EILITGGQWDDII IR QRIVTIQGGK RITT
UniRef90_D5GA85 UniRef90_V2US60	VPL LSLAKPPVSTPEDRLAGLVNRI QFGGDEV YRFATVNGERL KDKINDDAWNKDDFLPTVGKRGAAI
UniRef90_I3DEM1	V T L P L L S Q V Q N V E WS S A E E E T L T K R Q N A G T E V
UniRef90_K2JMU6 UniRef90_R7LES2	S G V T
UniRef90_G5H6S5	A S T T E L H G K K L S E L I G T Q I P A G D W E A L R Q R V I Q G G K H I
UniRef90_UPI0004160BDD UniRef90_UPI0002490D6B	WSTESVSGRSMN DUHDDYQUNEEKUEMTAKQQAWSSE
UniRef90_K3Y8A1	ASHATARTEHGEKPVTELVADEKWLREEFVSTVQQRGAAV VNQAVVDLNGKSMPVREAVKDDNWLNNDFIKTVQQRGAAV
UniRef90_Q3S892 UniRef90_R7YXZ2	SGETIL VIPILIFS QSEPK A DIT PED KILDDILLY RIVIDEGGDEV
UniRef90_R0HJT0	S G E T I VPL F S Q S E P K A D I P E D K L D D L I Y R V Q F G G D E V H A G I T I L P L L S K T K P S V N F T D E E I E Q L T V R I Q N A G T E V F Y H A T L K G K P A T E V L A D E N W L K G D F L S T V Q Q R I L K A R G A S
UniRef90_K1Q0R2	FYHAILKGKPATEVLADENWLKGDFLSTVQQRIILKARGAS

UniRef90_H3RPF4 UniRef90_D8LQM3 UniRef90_D8LQM3 UniRef90_Q201V2 UniRef90_F3KLW7 UniRef90_E2BPD9 UniRef90_T1J6F4 UniRef90_K4E1P3 UniRef90_UPl000265732D UniRef90_A0A031JTA4 UniRef90_M0TGP2 UniRef90_B9D261 UniRef90_D5EUY6 UniRef90_D5EUY6 UniRef90_G2QMJ0 UniRef90_G8JRX4	250 K G Q G Q D V S G M A L W T M R L Q A V L S D E Q V S F P V A V Q A K D G A G S A T L S M A H F A G K V L D G L N G V E G V T E C A F V E S D K E G K G V S N F I G G C I A R L A R A I V N D E H V V F S V S T F M E E L L G V Q A K A G A G S M A Y A G A K F T T S M C R A I L G E P N V V E C S F V E S T R L L K T R E F G I A K N T F D V I R A I I N N D E L V I P A S I V L N G E Y G N R R K D D C W A L G F C T A E I I D A I I R N T K I V L P V S T Y I H R S H R V K A K A G S G S A T L S M A F A G A R F L K A I T G Q E G V I E C A Y V K S D V Q A K D G A G S A T L S M A Y A G A E W S N S V L K A L R G D S G V V E Y T F V Q A K A G S G S A T L S M A Y A G A E W S N S V L K A L R G D S G V V E Y T F V Q A K A G S G S A T L S M A F A G A R F V F S L V S A I K G K P D V V E C A Y N H G K G F T S Y V A T A I V R I C E A V H R D E R V V L P I S A R L T G A F G V E A K A G A G S M A Y A A A R F V E S S L R A L D G D G D V Y E C S F V Q S D L L G T S A Y Y A P G A A A A K M C E A L K T D S E Q W L S C C V I E G E C A G I K L R G R S S F P A Y Q A V K M I E G A M G G E P F K W P A G C Y V N A F I R A K G T P F G I G S V V A S L C S T V L R D K G D V R P V S V Q A K N G A G S A T L S M A Y A G A R F A N S V L A G N G E K D V V E P A F V N A K A G A G S A T L S M A Y A G A R F A N S V L A G N G E K D V V E P A F V N A K A G A G S A T L S M A Y A G A R F A N S V L A G L N G E K D V V E P A F V N A K A G A G S A T L S M A Y A G A R F A N S L L H A M K G H A D I V E C A F
UniRef90_U6FVG0 UniRef90_N1JA02 UniRef90_W5M1C4 UniRef90_W4KHW3 UniRef90_W4YS38 UniRef90_E2I844 UniRef90_F2I844 UniRef90_A9YZQ3 UniRef90_M2MIZ4 UniRef90_F9UJB4 UniRef90_J5T1X5 UniRef90_U6FP7	V K A K N G G G S A T L S M A M A G A R F A D S L L K A A Q G Q K E I V E P A F L K G R G Q R S S V G L S V A D I V H S I L A D Q R K T H S V S T L A Q G W G G V Q A K D G A G S A T L S M A Y A G A K F A H A L L R G L S G E K G V V T P T F V E A K A G A G S A T L S M A Y A A A R F C F S L L A A I E G K E G V I E C A Y L R G R S S F Q S P A Y C S V E M I A A A M G G K E F P W P V G T F V N N D K Y F S G K K Y T N Y I T A A A D R L V D A V L S D S H E E L P V S N Y R E I K L K V Q A K G G A G S A T L S M A M A G A R F A E S L L K A A Q G Q S G V I E P T F S R K G N T Q F G I G T S I Y E I T D A V L N N K R S V M N V G V K L P Q G Y V Q A K A G T G S A T L S M A Y A G A R F A D A L L R G L A G E A N V I E P S Y L R R K G T N H A I G L V T A A L L R S S A R G E R R V Q T V S R V Q R G A L G
UniRef90_Q6CIK3 UniRef90_M1VCB1 UniRef90_K2BJW8 UniRef90_A8Q8R4 UniRef90_I2B4M9 UniRef90_UPl00046732CA UniRef90_G0W7D4 UniRef90_B7GEG9 UniRef90_B8MX84 UniRef90_B8MX84 UniRef90_B8MX84 UniRef90_C5DDDB8D UniRef90_UPl0002DDDB8D UniRef90_UPl0003B003B7036F UniRef90_UPl0003B7036F UniRef90_UPl0003B7036F UniRef90_UT1FN98	V Q A K N G A G S A T L S M A E A G A R F A N S V L A G F E G E R D V V E S T F L K L K G Y T N W I G S R V G S I V T T I V H D R R K V L P I T T H A G S L R G S K G A T Y Y G I A T A V S H I V E T I MR N S R K V L P L S T V L L T G Q Y G V K A K A G A G S M A L A A S K F V E S L L R G L R G E K S I Q C A Y V A S D A V E A K A G G G S M G L A A A R F G L A L T R A L L G E Q G V V E C A Y V E G D V E A K A G N G S M A A A A Y R F V N A V Y R G L M G E D N V V E C A Y V E G D V E A K A G N G S M A A A A Y R F V N A V Y R G L M G E D N V V E C A Y V A S D O V K A K D Q D G S M A H A A L L F T E A L L K G D G K P V K C S F V A S D V K A K D G A G S A T L S M A Y A G A T F A D A V M R G L N D E K N V V M S S F V Q A K A G S G S M A Y A G Y F T E K V L Q G L N G E K V T Q C A Y V Q S D V K A K D G A G S A T L S M A M A G A R M A E S L L K A A Q G E K G V V E P T F V E A K V G A G S S P A Y V S V R M I E A A M G G A E F Q W P A G R Y V S F A L K K G A T H Y G L A S A I C G R L C Q A L V H N T D L I L L T V G T V H A E V E V A A K A G A G S A T L S M A Y A G Y L F T E N V M R G E G V V Q C A F V E S D L R V K G A T H Y G L A S A I C R L C Q A L V H N T D L I L L T V G T V H A E V E V A A K A G A G S A T L S M A Y A G Y L F T E N V M R G E G V V Q C A F V E S D L R V K G A T H Y G L A S A I C R L C Q A L V H N T D L L L T V S L L L Q G E Y D V K A K D G A G S A T L S M A Y A G A R F A D S V L R G F A G E K N V L E P T F L N L K R T N Y A L A L S L T R L C K A I L T D E K V L L P V S V L C D K H V G P L L Q G G V S S A T L S M A Y A G A R F A D S V L R G F A G E K N V L E P T Y K L L R C S F V E A K A G G G S A T L S M A Y A G A R F A G S L V R G L R G S T L S M A Y A G A R F A G S L V R G L R G S T T L S M A Y A G A R F A G S L V R G L R G S T T S A C A F P V E A K A G G G S S A T L S M A Y A G A R F A G S L V R G L R G S T T S A C A F P V E A K A G G G S S A T L S M A Q A G A R F A G S L V R G L R G S T T L S M A L A A A K F E G V L R G L R G S T T S A C A F P V E A K A G G G S S A T L S M A Y A G R R F A D S L L K A K
UniRef90_U4UU72 UniRef90_UPI00035F573D UniRef90_H3FCC2 UniRef90_V5WKJ1 UniRef90_UPI000333EDF2 UniRef90_U3GY81 UniRef90_U1PG87 UniRef90_U1PG87 UniRef90_U1FND6 UniRef90_U5LBD3 UniRef90_C1BKC7 UniRef90_C7F9T0 UniRef90_UPI0004449A9D UniRef90_UPI0004449A9D UniRef90_UPI0004449A9D UniRef90_UPI0004449A9D UniRef90_UPI0004449A9D UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5 UniRef90_USBG5	VEAKAGKGSATLSTAYATSRLVFALLRAFGGESNLVECAY VNAKAGAGSATLSMALAGARFANYLVRAVKGEKIEACSYAARGASSAASAANAVVDTVRTTPTPEGEFFSVAVSSDGSYGLRVKGQKSWVGLSVADLVDSLVNNKKKVHSVSVLAKGYHDVEAKAGGGSATLAMGQAAARFALSLVRAMQGDENVVECGYLRGKSSAASAANAVVDTVRTTPTPEGEFFSVAVSSVLAKGYHDVEAKAGGGSATLAMGQAAARFALSLVRAMQGDENVVECGYLRGKSSAASASAASAASAARFALSLVRAMQGDENVVSDGSYGERKGATEWGPARGVAHVVSALLNDTGEVLPCSVPLQGEYGEKGRGATEWGPARGVAHVVSALLNDTGEVLPCSVPLQGEYGEKGRGATEWGPARGVAHVVSALLNDTGEVLPCSVPLQGEYGEKGRGATEWGPARGVAHVVSALLNDTGEVLPCSVPLQGEYGEKGRGATEWGPARGVAHVVSALLNDTGEVLPCSVPLQGEYGEKGRGATEWGPARGVAHVVSALLNDTGEVLPCSVPLQGEYGEKGRGATEWGPARGVAHVVSALLNDTGEVLPCSVPLQGEYGEKGRGATEWGPARGVAHVVSALLNDTTGEVLPCSVPLQGEYGEKGATTLAMGVAGAKALCDHMRDLWSGTPEGEFLSMGVYLTKAKKLSSAMSAAKALCDHMRDLWSGTPEGEFLSMGVYLTKAKKUNTAMGVAGAGAKTTNALLRGLKGEKGVLTTPTFRGLSSAASAANAALDHVRDWVLGSNGKWVTMGVPSDGSYGUKAKDGAGSATLSMAYAGAKFTNALLRGLKGEKGVLTTPTFRGLSSAASAANAALDHVRDWVLGSNGKWVTMGVPSDGSYGUKAKAGGGSATLSMAQAAARFALSLVKGENVVECTYVDLEACAGGCVKAKDGAGSATLSMAQAARFALSLVKGENVVECTYVDLEACAGGCVKAKDGAGSATLSMAQAARFALSLVKGENVVECTYVDLEACAGGCCVKAKDGAGSATLSMAQAARFALSLVKGENVVTMGIPSNGEYGVKAKDGAGSATLSMAQAARFALSLVKGENVVTMGIPSNGEYGVKAKDGAGSATLSMAQAARFALSLVKGENVVTMGIPSNGEYGVKAKDGAGSATLSMAQAARFALSLVKGENVVTMGIPSNGEYGVKAKDGAGSATLSMAQAARFAALNECTYVDLEACAGGASGRGVSSAANAAIDHMRDWVLGTQGKWVTMGIPSNGEYGVKAKDGAGSATLSMAQAARFAALNECTYVDLEACAGGASGRGVSSAATLSMAQAARFAALSLVKGENVVTMGIPSNGEYGVKAKDGAGSATLSMAQAARFAAGARFAALNECTYVDLEACAGGASGRGVSSAATLSMAQAARFAAGARFAALNECTYVDLEACAGGASGRGVSSAATLSMAQAARFAAGARFAALNECTYVDLEACAGGASGRGVGNANGAGARFAAGAVLDGLAGEKODVIECTF
UniRef90_UPI000344387F UniRef90_A7IFX5 UniRef90_G3PB52 UniRef90_UPI000373AACB UniRef90_D5GA85 UniRef90_V2US60 UniRef90_I3DEM1 UniRef90_K2JMU6 UniRef90_R7LES2 UniRef90_G5H6S5 UniRef90_UPI0002490D6B UniRef90_UPI0002490D6B UniRef90_Q3S892 UniRef90_Q3S892 UniRef90_R7VXZ2 UniRef90_R0HJT0 UniRef90_R0HJT0 UniRef90_R0HZ	R G L S S A A S A A N A A V D H M H D W I H G T D G K W V S M G V A S D G S Y G K T R G Q R S W S V G L S I A D I A D S V L T N K M K T H S V S T L A Q G W G G L R G R S S F Q S P A Y L S I E M I R A A M G G E P F R W P A G V Y V D D D R F V K A K D G A G S A T L S M A F A G F R F A E A K G I V E P S Y I Y L P D V P G I N A R S A A S A A N A A I D H I H D W A L G T Q G K W V T M G I P S D G S Y G V E A K A G G G S A T L S M A Q A A A R F C L S L V K G L N G A E C S Y V E G D V E A K A G G G S A T L S M G Q A A A R F G L S L I R G L N G E A N V V E C A Y L R R R S S F Q S P A Y L S V E M I R S V M G G E A F R W P A G V Y V H S E Y I R G R S S F Q S P A Y L S V E M I A A A M G G E A F R W P A G V Y V H S E Y E A K A G G G S A T L S M G Q A A A R F C K A L Q G D N S V V E C T Y V E T D S G R G Y S N F S V A T C T V K L I Q A V L S D E R L V M P V A V Y H P G I K A R K Q S S S L S A A S A A C D H M R D W P K G T W V S M G V Y S D G S Y G I K A R K L S S A M S A A I V D H V R D W W N G V P D G T Y V S V P S D G S Y N V K A K D G A G S A T L S M A F A G Y R F A E K I I K A V N G E S G I V E P T Y V D A K A G A G S M A Y A A A R F V E S S L R A L D G D G D V Y E C S Y V E S T S A A S A A N A A I E T A K R L S C R T P D G Q W F S V A V S T N A A K H A Y G

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UniRef90_A9Y UniRef90_M2N UniRef90_P9U UniRef90_J5T' UniRef90_M0F UniRef90_M1N UniRef90_M1N UniRef90_A8Q UniRef90_L2B UniRef90_L2B UniRef90_UPI UniRef90_B7G UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_B8M UniRef90_UPI UniRef90_C5K UniRef90_A0A UniRef90_A0A UniRef90_C5K UniRef90_C5K UniRef90_C5K UniRef90_C5K UniRef90_G5A UniRef90_C5K UniRef90_UPI UniRef90_UPI UniRef90_UPI UniRef90_UPI UniRef90_UPI UniRef90_UPI	MIZ4 JB4 JB4 JB4 IX5 RFP7 CIK3 /CB1 JW8 B8R4 BM9 00046732CA 034WJP5 V7D4 EGG9 IX84 YB4 ECT0 0002DDDB8D 7V8 IKA0 JJ1 2073 JG4 ILV1 GF6 024JL54 MI30 AB9	LLCGSSVVLVVGGLIIIVKVSD VV	YYEAYEAYEFYEYYEWC FEFE CEYYFYOREFYLYYYFYOLD A B X P G C A V G C L L G P A D			L L R Q T E E R T V R V S L L T K E C	<u>LF</u> LLLLFLLIVFLVLLLLLV	KRKKKKPPP REGPTKTAKKPSKRNSN NEN NN DKANSTNNK NEDER	\\\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	VEELAY EEEEEEER ESEEEEEK E.	V	DGPPGEF///LAGAPDPL	P	SSSTSNSNNNNSSSSSSSSSSSSSSSSSSSSSSSSSSS	DEYFADHYYYEAYKDEEFFYYY	CTCCFEENCEEEEEEEDEEEEEE		HAD VE DE LE QUE LE LE QUE LE LE QUE LE LE QUE LE LE LE LE LE LE LE LE LE LE LE LE LE	SAAGALTKAKKRKSATKDA QRL	AVLLVK LKYAMAAKAILAAL <mark>K</mark> LETTQTMDE <mark>H</mark> LESTTTETARDV	
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UniRef90_R7YXZ2	LKN <u>LE</u> KG <u>L</u> E
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	50 60 70 80
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UniRef90_V5SI03 UniRef90_A0A021VZV5	K G D V F G R L H L L D V P P M M L E G V V M E L A D C A L P L L K E V V P T S S G E M L G E L P L E K A Q A A L K G V I M E L E D C A F P L L A G V V G T D Q N P A V T E L A L F D V V P V V K G V A A D I S H V D S P A V T T G Y T K D N G N L F G K L H L L D I A A E A L K G V V M E L E D C A F D V L E K V V P T C S G R M L G E L Q L L D I T P K A L E G V R A E L H D C A F P L L D N V I I T D C S G R M L G E L Q L L D I T P K A L E G V R A E L H D C A F P L L D N V I I T D C S G R M L G E L Q L L D I T P K A L E G V R A E L H D C A F P L L D N V I I T D C S G R M L G E L Q L L D I T P K A L E G V R A E L H D C A F P L L D N V I I T D C C S G R M L G E L Q L L D I T P K A L E G V R A E L H D C A F P L L D N V I I T D C C C C C C C C C C C C C C C C C C
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UniRef90_A8V286 UniRef90_B6RB90	IN ELA DVR M F D D K V F E I V K G K A L D I K Q M A T S L G K D V N V E G E S P L V T Q L S L Y D I A H T P G V A A D L S H I E T K A K V Q G F L G A
UniRef90_M4U4C1 UniRef90_UPI00035E9BF4	II IDII IP E S DII IAII IY DIVIA PERILIT P GIVIA K DII IS HII IP T SIVINIVIE G YIVIG D
UniRef90_V5FRV8	A S DI I F D F I I S I Y D I V H V P G I A T D I M H I D T K A K V S G Y D N G
UniRef90_G1XRY2 UniRef90_D8U926	LSPKVTELALYDVR GAPGVAADISHVNTNSVVKGYAPG SQPLALQLLGSERSKEALEGVAMELEDSLYPLLREVSIGT
UniRef90_C1DB66 UniRef90_E2B1C8	LSPKVTELALYDVR GAPGVAADISHVNTNSVVKGYAPGSQPIALQLLGSERSKEALEGVAMELEDSLYPLLREVSIGTSGEMLGQLQLLDLAQNAVKGVMMELEDCAFPLLAGMVATDAGTIFGNLRLLDIPPKVLDGVVMELEDLALPLLREVLPTA
UniRef90_K7GD72 UniRef90_A5ABV4	S H L S L Y D I <u>A</u>
UniRef90_Q23CW4 UniRef90_UPI00045EB08F	T G Q C F G D L R L L D V A E S I L Q G V E L E L Q D G A Y P L L K S I K T G S S G A M I G R I R I L E L P O G M A F G T A M F I H D C A F P I L E S V E L Y D
UniRef90_Q82WB9 UniRef90_L8DTL1	A G D M L G S L Q L L D I P E K V L D G V L M E L Q D C A F P L L T D I I V T H
UniRef90_Q8GTZ6	RGHLLGPLHMLDIAPCMLKGVEMELLDAAYPLLRGIVATS
UniRef90_I0YTX9 UniRef90_M4XJP7	UNLPASELSLYDUS POTPGLAVDLSHIPT DVKVTGFAGE
UniRef90_Q2FPC3 UniRef90_G4V7Z7	R G D M F G P L H L F D L M V E S L K G L E M E L Q D C G F R L L K N V V V T H
UniRef90_R4VM77 UniRef90_H5SIZ5	T S P L V D D L A L Y D V V N T P G V A A D L S H S V A K I S G F L P K T G Q C F G D L R L L D V A E S I L Q G V E L E L Q D G A Y P L L K S I K T G S S G A M L G R L R L L E I P Q G M A E G T A M E L H D C A F P L L E S V E I Y D A G D M L G S L Q L D L P E K V L D G V L M E L Q D C A F P L L T D L I V T H L R P S T Y D V V L V D T K P N M V T S H V M D L Q D V A G I D G S S T V R G R G H L L G P L H M L D I A P C M L K G V E M E L L D A A Y P L L R G I V A T S S G S M L G A L H L L D I P P Q S L D G V K M E L I D S A F P L L H G V V A T T L N L P A S E L S L Y D L S P V T P G L A V D L S H I P T D V K V T G F A G E S S G L I N H L V L Y D C N Q A L L E A Q R L D I E H M R C P V T T S I R G D M F G P L H L F D L M V E S L K G L E M E L Q D C G F R L L K N V V V T H S G D M L G Q L L E V P P A M D A V Q G V V M E L D D C A F P L L A G V V A T H K G D V F G P L H L L D I P P M M L E G V V M E L D D C A F P L L R G V V P T A S G S M F G R L I E I E P A M G A L E G T V M E L N D C A F S S L L N E I V P T C
UniRef90_D2A083 UniRef90_UPI00035CDD51	K G DIVIF G PIL IHIL L IDIL IP P M MIL E GIV VIMEIL IA D C A L PIL L R GIV VIP T A S G S M F G R L I E I E P A M G A L E G T VIMEIL IN D C A F S L L IN E I VIP T C
UniRef90_O81279 UniRef90_M1VFR4	S G E MILIGHILIS <mark>C</mark> ILIE T P Q G MILIR GIV VIM EILIE D <mark>C</mark> A F PILLIK SIVIS A T D
UniRef90_A8PPH4 UniRef90_G9PER1	S G Q M F G H L L E L E K S L P M L N G V A M E L E D C A F P L L K N I I C T S S G A L L G R L L E I P Q A V K A A E G T A M E L F D S A F P T L G S V D I F D A G E M L G Q L V E I P Q A M D K L R G V A M E L E D C A F P L V H G I S L H D
UniRef90_UPI000371D62E	A GEMLGQLVEI PQAMDKLRGVAMELEDCAFPLVHGISLHD
UniRef90_R7QJD2 UniRef90_Q8H0P9	GPDVPVLHLLDIAETALKGVMMELEDGAFPLLSSVIAIS
UniRef90_UPI0003EAA57F UniRef90_A0A059LII6	N S P L V S Q L S L Y D L A H T P G V A A D L S H L E T R A H V T G H M G P R Q P V I L H L L D L A P A E E S L K G V R M E L I D A A L P L L V D V V T T T
UniRef90_B8GJX7 UniRef90_S8CQW3	V L G L V D E L I L H D T S V P L L E A Q R L D L L H T G L D I E V S S Q P I A L K L L G S E R S F Q A L E G V A M E L E D S L Y P L L R E V S I G I
UniRef90_C4LJV4 UniRef90_UPI00035E16CA	S G D V F G H L R L L D L P Q A V A Q G V A M E L F D A A F P L V T G L T V T D S G Q L L G E L L D G V D V Y D
UniRef90_A4S137	S G S V F G H L L G S E R S R Q A L E G V A M E L E D C L F P L L R E V D I G I
UniRef90_B9T307 UniRef90_F0XPM9	C PL VD E LAL Y DV V NT P GV A A DL S HI S S N A KVT GYL P A
UniRef90_F0SGB9 UniRef90_UPI0002627ED8	S G A I F G Q L L E L E Q A L P A L D G V K M E L D D C A F P T L A G V V K E S S G A I F G Q L L E L E Q A L P A L D G V K M E L D D C A F P Q L E K V T C T S
UniRef90_K5B7Y7 UniRef90_U1Z1W9	S G S L G E L R L E I E P K A L E G V V M E L D D C A F P L L A G V E I G A S G Q M L G R L R L E I P Q G V A E G T A M E L D D C A F P L A G I D I F D
UniRef90_D3BR71 UniRef90_M5U157	A G E M L G Q L V E I P Q A M D K L R G V A M E L E D C A F P L V H G I S L H D S G E M L G K D Q L I D L N M S P L R G V M M E L E D G A F P L L S S V T A T S G P D V P V V L H L L D I A E T A L K G V A M E L V D A A Y P L L K G L V A T T T N S P L V S Q L S L Y D I A H T P G V A A D L S H L E T R A H V T G H M G P R Q P V I L H L L D I A P A E E S L K G V R M E L I D A A L P L L V D V V T T T V L G L V D E L I L H D T S V P L L E A Q R L D L L H T G L D I E V S S Q P I A L K L L G S E R S F Q A L E G V A M E L E D S L Y P L L R E V S I G I S G D V F G H L R L L D I P Q A V A Q G Q V A M E L E D G A F F L V T G I T V T D S G Q L L G E L L E I P Q A V K A A E G T A L E L E D G A F F L L D G V D V Y D S G S V F G H L L G S E R S R Q A L E G V A M E L E D S L Y P L L R E V D I G I K T Q L I R H F L L S C L L H S T T T G V A M E L E D S L Y P L L R E V D I G I K T Q L I R H F L L S C L L H S T T T G V A M E L E D S L Y P L L R E V S I G I L C P L V D E L A L Y D V V N T P G V A A D L S H I S S N A K V T G Y L P A S G E V F G H L V E L P Q A M G A L D G V H M E L D D C A F P T L A G V V K E S S G S L L G E L R L L E I P Q G V A E G T A M E L D D C A F P L L A G V E I G A S G Q M L G R L R L L E I P Q G V A E G T A M E L D D C A F P L L A G I V Q S D S G D M L G K V I L Q C L A M N A L K G V S M E L D D C A F P L L K G I V Q S D S G D M L G K V I L Q C L A M N A L K G V S M E L D D C A F P L L K G I V Q S D S G D M L G K V I L Q C L A M N A L K G V S M E L D D C A F P L L K G I V Q S D S D S G D M L G K V I L Q C L A M N A L K G V S M E L D D C A F P L L K G I V Q S D S D S G D M L G K V I L Q C L A M N A L K G V S M E L D D C A F P L L K G I V Q S D S D S D S D C A F P L L K G I V Q S D S D S D C A F P L L K G I V Q S D S D S D S D C A F P L L K G I V Q S D S D S D C A F P L L K G I V Q S D S D S D C A F P L L K G I V Q S D S D C A F P L L K G I V Q S D S D S D C A F P L L K G I V Q S D S D S D C A F P L L K G I V Q S D S D C A F P L L K G I V Q S D S D C A F P L L K G I V Q S D S D C A F P L L K G I V Q S D S D C
UniRef90_UPI0003F68B16 UniRef90_S0F3J1	A G E V F G Q L R L L E I T P Q A L E G T V M E L D D C A L P L L D S V V I G D S G Q M F G Q L L E T E Q G L K P L K G V A M E I K D G A F P L V R G I T Q T A
JIIIKEI3U_3UF3J I	S G Q M F G Q L L L E T E Q G L N F L N G IV IA M E IT IN D G A F F L V IN G IT IT Q T A

UniRef90_B5X3I4 UniRef90_AOZ1R5 UniRef90_E9CS21 UniRef90_D5X4M7 UniRef90_BDD7C1 UniRef90_BDD7C1 UniRef90_BDD7C1 UniRef90_A5DSY0 UniRef90_H6C0V9 UniRef90_U2E149 UniRef90_U5FMV2 UniRef90_W6HU51 UniRef90_W6HU51 UniRef90_C8KYC2 UniRef90_C8KYC2 UniRef90_UPI000455F0EA UniRef90_UPI00042C3544 UniRef90_F4B5A8	N
UniRef90_K8D9W4 UniRef90_M5E905 UniRef90_V5SI03 UniRef90_V5SI03 UniRef90_U5HE24 UniRef90_U6IFF4 UniRef90_U6IFF4 UniRef90_G0UD31 UniRef90_H3G2J3 UniRef90_H3G2J3 UniRef90_F3LEC4 UniRef90_B6RB90 UniRef90_B6RB90 UniRef90_W4V4C1 UniRef90_UPI00035E9BF4 UniRef90_UPI00035E9BF4 UniRef90_UFI00035E9BF4 UniRef90_C1DB66 UniRef90_E2B1C8 UniRef90_E2B1C8 UniRef90_C1DB66 UniRef90_Q23CW4 UniRef90_Q23CW4 UniRef90_Q23CW4 UniRef90_UPI00045EB08F UniRef90_UPI00045EB08F UniRef90_Q8WB9 UniRef90_Q8WB9 UniRef90_Q8WB9 UniRef90_Q8WB9 UniRef90_W4XJP7 UniRef90_W4XJP7 UniRef90_M4XJP7 UniRef90_M5SIZ5 UniRef90_B4C5PC3 UniRef90_B4C5PC3 UniRef90_W1PI00035CDD51 UniRef90_W1PI0003T1D62E UniRef90_W1PI0003T1D62E UniRef90_W1PI0003T1D62E UniRef90_W1PI0003T1D62E UniRef90_W1PI0003FAA57F UniRef90_W1PI0003FAA57F UniRef90_W1PI0003FB16CA UniRef90_W5B777 UniRef90_W5B777 UniRef90_UPI0003F68B16 UniRef90_UPI0003F68B16 UniRef90_UPI0003F68B16	M A K A L Q G T E L V I I P A G M P R K P G M T R R K D D L E N A N A S I V K V Q Q D P N V A F K D Q Q T E L V I I P A G M P R K P G M T R R K D D L L E N A N Y K K I F S A Q Q D A E V A A G Q V A I L V P A G M P R K P G M T R R K D D L L L L L R A N Y X K I F S A Q Q D A E V A A G Q V A I M Y K V P A G M P R K P G M T R R K D D L L L L L R A N Y M K I F S A Q Q D A E V A A G Q V A I M Y P A G M P R K P G M T R R K D D L L L L L A A N A A I F R R K D D L D A E V A A A A A I F R R K D D L L S A M P R K P G M T R R K D D L L S A M A A I F R R K D D L L S A M P R K P G M T R R K D D L L S A M P R K P G M T R R K D D L L S A M P R K P G M T R R K D D L L S A M P R K P G M T R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R K D D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R R M D L L S A M P R K P G M T R R M D L L S A M P R M P

	130 140 150 160
UniRef90_B5X3I4	TPGLVRUSPNAVLLIASQPVDUMTHVAWRQSGLPPSRVIG
UniRef90_A0Z1R5 UniRef90_E9CS21	GKALNDHSRNAKVLVVGNPANTNALITQRNAPDLDPRNFT VQGVADYCPKAFVLIISNPVNSTVPIIAAKAAGVFDPKKLF
UniRef90_D5X4M7	G K A L N A V A K R T V T L V V G N P A N T N A Y I A M K S A P D L P A K N F T
UniRef90_R5RVV6 UniRef90_B0D7C1	GKDIRQY <mark>C</mark> PDVKVVVVFNPADITGLIVLLYAGLKPSQXXA ATGIAATAPKAFVLVISNPVNSTVPIVAKKAGVYDPKRLF
UniRef90_V5FMV2	VKGI ADYAPKAFTI I ISNPIVNSTIVIJI AAKKAGIVIFDPKRI IF
UniRef90_A5DSY0	AEGLAENSPKAFVLVISNPVNSTVPIFAKKKGVYDPARLF
UniRef90_H6C0V9 UniRef90_U2E149	AEGIAENSPKAFVLVISNPVNSTVPIFAKKKGVYDPARLF LVACTKYCPKAFICVISNPVNSTVPIAAKEAGVFDPKRLF GKAINDHASRDVVLVVGNPANTNALIAASNAPDLDKGQFT
UniRef90_M5DGY1	GRAILIDEIVIA RRDIV V LI VIGNPANINA YII IAMKNA PGILIKPENES
UniRef90_B4G7B0 UniRef90_W6HU51	ĠQAIENFAKKDVVLVVĠNPANTNAFV <mark>C</mark> ANYAPŚIPRENFŚ GGHIKN <mark>CC</mark> PNAFI <u>I</u> VVTNPVDVMVQLLFEHSRVPKNKLIG
UniRef90_C8KYC2	VIEKIVIA DIVI <mark>C PKACI</mark> I IGII VITN PIVIN TIL VIPII IAARKKGIVIY DKRKIL IF
UniRef90_C8V017 UniRef90_UPI000455F0EA	I NEMKPFRSDTVLLI VANPVDLMTSLAKELSNLPSAQVLG ATGIAEHAPKAFVLVISNPVNSTVPI VAKNKGVFDPKRLF
UniRef90_D7WC53	GRSII NDHAADDIVVLVI IGNPANTNTYII IANKAAPDIVIGPEHFN
UniRef90_J1L2Z3 UniRef90_Q47VL0	CDHLP SFGGIMITVTNPMDVNNYYLHRCLDIEPARCIG AEGIVASCPKALVGVITNPVNGTVPIVAKKAGTYDAARLF
UniRef90_H9K668	G A AIL IN KIVIA S R DIV V L V VIG N P A N T N A YII IA M K S A P DIL IP A K N F T
UniRef90_P58407 UniRef90_C5FRD9	ANKLPKKNHGAVÝI MVSNPVD MMASVFARÝS REFVIS VQGVADFCPKAFVLVISNPVNSTIPI AAKKAGVFDPKRLF
UniRef90_C2GK21	GKAII IN DNAADDIVI LVVIGNPANTNAILI IAQQHAPDIVIPASRFT
UniRef90_A7I2F1 UniRef90_U1GAT6	AKNVAKYAPEALIILITNPVDTLAFVAYKASGFKKEKLIA IKGIAEFCPNSFILVISNPVNSTVPITLKQAGVFNPKKLF
UniRef90_D2Q476	GKALNDHAADDI RVTVTNPANTNALI AKSNAPDI PAFRES
UniRef90_M5G8Y3 UniRef90_Q5U907	ATGIATTAPKAFVLVISNPVNSTVPIVFKKHGVFDPKRIF VEKVAQVCPQACVCIITNPVNSLIPIAAKKAGVYDKRKLE
UniRef90_D8M622	AKACATYCPQACAILVI ITN PIVIN STIVIPII IFYKK MGIVIH DPRKII LI
UniRef90_V9HLW3 UniRef90_E5SJF6	G A A L N K V A S R D V V V V V G N P A N T N A Y I V M K S A P D L P A K N F T G M A L A K Y A P K I P A R N I T
UniRef90_UPI00042C3544	
UniRef90_F4B5A8 UniRef90_K8D9W4	NKELPKRNPGAVYVMVTNPVDMMASVFAKYSKEY VPQMMAGGFNGLFLVATNPCDLITWQVWKLSGLPRNQVIG
UniRef90_M5E905	A E A I A K N A P K A F V L V I S N P V N S M V P I F A K A H N T Y D P K R L F
UniRef90_V5SI03 UniRef90_A0A021VZV5	GEALNAYAKKDVVLVVGNPANTNALI <mark>C</mark> SHYAPSIPRENFT GAALNK <u>VA</u> SRN <u>V</u> V <u>L</u> VVGNP <u>A</u> NTN <u>A</u> YIAMKSAP <u>D</u> LPAKN <u>F</u> T
UniRef90_U5HE24	A T A II A E V C P Q A F V C I S N P V N S T V P I A A K N A N V F D P K R V F
UniRef90_U6IFF4 UniRef90_G0UD31	GQALDKYAKKTVVLVVGNPANTN <mark>CLMMS</mark> KFAPSIPKENFT GRVLGEVSPG <mark>C</mark> KV <mark>C</mark> VVGNPANTNALV <u>LL</u> RSQGKINPKNVT
UniRef90_Q0VQ52	G K A I N D N A S K G I V L V V G N P A N T N A L I A Q R N A P D I D P R Q F T
UniRef90_N1QJ61 UniRef90_H3G2J3	VQGIAENCPDAFILIISNPVNSTVPIAAKKAGVFNPKKLF GAALAEFAPTTKVIVVGNPANTNAFICAKYAGKIPARNFS
UniRef90_F3LEC4	GKAMNETASRDIVLVVGNPANTNSLIAQRNAPDLNPRNFT
UniRef90_A8V286 UniRef90_B6RB90	SERIKQFAPDAI VIVVSNPVDVMTYAAFKITGFEKNRVLG ADVCAQVCPKALMGIVTNPVNSTVPIVSKRRGVYDPNRIF
UniRef90_M4U4C1	<u> </u>
UniRef90_UPI00035E9BF4 UniRef90_V5FRV8	GKALNEVAADDIKVTVTNPANTNALIAMNNAPDIPRERFT FSEVAVTCPNALCCVVTNPVNSTVPETLKKAGTFEPTRLF
UniRef90_G1XRY2	A D A T A K A N P T A KIL I <mark>C</mark> II. I IA N PIVIN S TIVIPII. IC Y K R H NIVIY N P K TIL IF
UniRef90_D8U926 UniRef90_C1DB66	GRALNESSRN <mark>CKVTVVGNPC</mark> NTNALIAMENAPNIPRKNFH GKAIAENAKEDVVLVVGNPANTNAYIARKKVGRTNPANYT
UniRef90_E2B1C8	G E A L D K Y A R K D V V L V V G N P A N T N A I I <mark>C</mark> S H Y A P S I P K E N F T
UniRef90_K7GD72 UniRef90_A5ABV4	TTACAKHCPEAMICIIANPVNSTIPITSKKHGVYNPNKIF VKGIAEYCPKAFVLIISNPVNSTVPIAAKAAGVFDPKRLF
UniRef90_Q23CW4	G Q A II D T V A K K <mark>C</mark> K S II V V A N P A N T N <mark>C </mark> I I I A F T A K S II P K Q N F S
UniRef90_UPI00045EB08F UniRef90_Q82WB9	GEAINGAADDVRVLVVGNPANTNALIAQAHAPDVPAERFT GRALNQVKRDAKILVVGNPANTNTLITMKNAPDLSPENFS
UniRef90_L8DTL1	A <u> </u>
UniRef90_Q8GTZ6 UniRef90_I0YTX9	A T A L E K Y A D K D V V V V I A N P A N T N A L V L K E Y A P G I P S K N I T A S A L E K N A P G V K V L V V A N P A N T N A L I L K E N A P S I P P E N I T
UniRef90_M4XJP7	<u>V E K A A K V C P K A C I A I I T N P V N T I P I A A K K A G V Y D K N K L F</u>
UniRef90_Q2FPC3 UniRef90_G4V7Z7	ATLIPDY KGIITVVTNPADILTYYLWKSLGILKNRIIG GQALDKYAKKTVKVVVVNPANTNALALMKNAPSIPKENFS
UniRef90_R4VM77	GKAMNDVASRNVVLAVGNPANTNALIAQRNAPDLDPNCFT
UniRef90_H5SIZ5 UniRef90_D2A083	G E A L D K H A D K N V V L V V G N P A N T N A L I <mark>C</mark> S R F A P S I P R E N F T
UniRef90_UPI00035CDD51 UniRef90_O81279	GOALIAANAASGIVITII V VIGNP <mark>C</mark> NTN <mark>C</mark> LLIAMNNAAGII PKEOFF
UniRef90_M1VFR4	CTAIAKYCPHALVNMITNPVNSTVPIAAKKAGTYDEKRLF GRALNKVASREVVLVVGNPANTNALVAAANAPDIWAEQIT
UniRef90_A8PPH4 UniRef90_G9PER1	GKAMNAYASDVKI FVVGNP <mark>C</mark> NTN <mark>C</mark> LI TMHHAPDI PKSRFF GAAINAVAADDI <u>V</u> LVVGNPANTNALI <u>A</u> ANHAPDVPSSRF <u>T</u>
UniRef90_UPI000371D62E	G K A L N E V A N R D V A L V V G N P A N T N <mark>C </mark> L I L S R N A P N L A P S Q F <mark>C</mark>
UniRef90_R7QJD2 UniRef90_Q8H0P9	G K A L N T S A A N A K V L V V G N P A N T N A L V A S E N A P D M W E E Q F L A S A L E E H A P G C K V L V V A N P A N T N A L I L S N Y A P K L P K E N V T
UniRef90_UPI0003EAA57F	ADA <mark>C</mark> ARH <mark>C</mark> PEAM I
UniRef90_A0A059LII6 UniRef90_B8GJX7	A A A L E K H S K T A K V L V V A N P A N T N A L I L S E N A P S I P R E N I T I R T I S R F D G I L I T V T N P M D V N N Y Y I C N K S G I D R H R C I G
UniRef90_S8CQW3	GKA L NA V ASRN VVIVV GNP <mark>C</mark> NTNA LI <mark>C</mark> L KNAPN PPKNFH
UniRef90_C4LJV4 UniRef90_UPI00035E16CA	GKAINDHAAKDVVLVVGNPANTN <mark>C</mark> LIAKASAPDIPANHFT GEALNG <u>A</u> ADD <u>VK</u> VLVVGNPANTNALIA <u>A</u> SNSD <u>VP</u> KDR FT
UniRef90_A4S137	GKALNEVAPT <mark>C</mark> KVIVVGNP <mark>C</mark> NTNALIALSHAPNLDPRNFH
UniRef90_B9T307 UniRef90_F0XPM9	GKALNAVASRNVVI VVGNP <mark>C</mark> NTNALI <mark>C</mark> LKNAPNIPAKNFH
UniRef90_F0SGB9	I E V A A D V A P K A F I L V I S N P V N S T V V I S A K A K G V F N P Q R L F G K A L D S A A A K D V V V V V G N P C N T N C L I A M E N A P S V P R D R W F
UniRef90_UPI0002627ED8 UniRef90_K5B7Y7	GKAINDNAGENVVII <u>TV</u> GNP <mark>C</mark> NTNALIAMNNAPKIIGADRWF GKAINEVAADDIVIVTGNPANTNALIAMSNAPDIIPKERES
UniRef90_U1Z1W9	G Q A I N G A A D D V R V L V V G N P A N T N A L I A A S N A P D V P K D R F T
UniRef90_D3BR71 UniRef90_M5U157	GKALDKTANRDRVLVVGNPANTNALIAARNAPNIDPKRFS SPDAVLIMVTNPVDVMTYEAIRLTGFPPERVIG
UniRef90_UPI0003F68B16	G K A L N D H A A D D V V L V T G N P A N T N A L I A S V S A P D I P T E R F T
UniRef90_S0F3J1	G K A I N D A A K K D V V L V V G N P A N T N A L V A A A N A P D I D P A Q F M

170	YPD VPM YAD
UniRef90_A0Z1R5 UniRef90_E9CS21 UniRef90_D5X4M7 UniRef90_D5X4M7 UniRef90_B0D7C1 UniRef90_B0D7C1 UniRef90_V5FMV2 A M T R L D H N R A A T Q L A Q K T G T T V N D V T C M I WG N H S A T Q C V U G G H G E T L D V V R A E T F S Q F N G Q K N P A D T V I P V I G G H G E T L D V V R A E T F S Q F N G Q K N P A D T V I P V I G G H G E T L D V V R A E T F S Q F N G Q K N P A D T V I P V I G G H G E Q M G L K A L D S T R L Q N E V K Y L H I P A S E I V N C R T Y G G H G E Q M G V T T L D V V R A E T F V Q E Y S G Q D P S Q T E L P V V G G H	YPD VPM YAD
UniRef90_D5X4M7	YAD
UniRef90_B0D/C1 G V I L D V V R S S I F V A E K L G D L S L S K D V V V P V V G G H	A <u>V</u> F
Unikef90 V5FMV2 GVIT TIL DIV VIR A E T F V Q F Y S Q D P S Q T F I P V Q G H	
UniRef90_A5DSY0 UniRef90_H6C0V9 UniRef90_U2E149 UniRef90_M5DGY1 A M M R L D H N R A L S Q L A Q K T G T Q V T D L D K M I W G N H S A T Q UniRef90_M5DGY1 A M M R L D H N R A L S Q L A A K V G Q P V S L R K V L L W G N H S A T Q	I P
UniRef90_U2E149 A M M R L D H N R A L S Q L A Q K T G T Q V T D L D K M I W G N H S A T Q	Ϋ́РD̈́
UniRef90_M5DGY1	Y P D Y P D
l IniRef90 W6HU51	VLL
UniRef90_C8KYC2 GIVT TL DV VR A K T F M S E L K D K H V E T V R V P V I G G H G P T I UniRef90_C8V017 S G T F L D S I R L R G L L A D E T G L A P N S L D L Y V L G T H G D S A UniRef90_UPI000455F0EA GVT T L DV VR A S T F V S E L I G D R G L A T S V T V P V V G G H	V A A
UniRef90_UPI000455F0EA GVTTLDVVRASTFVSEIIGDRGLATSVTVPVVGGH UniRef90_D7WC53 ALMRLDHNRTISMLSQKDEHSSRFESIAVWGNHGDTM	— E D D
UniRef90_J1L2Z3 FGGQLDSARFALRLGKEGISGA ASVLGEHGEHQ	VPV
UniRef90_Q47VL0	YTD
UniRef90 P58407 T G D Q V E T M R L R A Y I A K K L K I P V Y R V N G F V G G E H G E D A	VVL
UniRef90_C5FRD9 GVTTLDLRAETFAQKYTEKDPSNATIHVIGGH UniRef90_C2GK21 A MVRLDHNRAMSQLATKLGCSSTAENIVVWGNHSGTQ	F P D
UniRef90_A7l2F1	Q
UniRef90_U1GAT6	YPD
UniRef90_D2Q476 UniRef90_M5G8Y3 UniRef90_Q5U907 GI T T L D T I R S E K F I VQ A K N E I N R N D I S V I G G H	
UniRef90_D8M622 GVTLLDTLRASTFIGRELHTKEKIEDLPLVGGHA	V A 5
UniRef90_D8M622 GVTILDTLRASTFIGRELHTKEKIEDIPIVGGHA UniRef90_V9HLW3 ALLRLDHHRAVSQVADKIQRSVTSIEKMCWGNHSPTM UniRef90_E5SJF6 AMTRLDHNRALSMIAKRCKVPICCKNVIIWGNHSATQ	Y A D F P D
UniRef90_UPI00042C3544 UniRef90_F4B5A8 UniRef90_K8D9W4 UniRef9	V P V
UniRef90_K8D9W4 TGVWLDTTRLRRTLAEALELGPQSLDAFILGEHGDTQ	FPV
UNIRE190_M5E905 GV I I L DV V R A S I F V A E A E G R P A E A P H F H I PV V G G H UNIRE190_V5SI03 A M T R I D Q N R A Q A H I A T K V G V P V F C K N V I I W G N H S A T Q	F P D
IUniRef90_A0A021VZV5	YPD
UniRef90_U5HE24 GVTTLDVVRSSTMTAQAIIGEPTHKYKIPVIGGH UniRef90_U6IFF4 ALSRLDHNRAIFQVAHKCGVPNKCKNVAVYGNHSNKQ UniRef90_G0UD31 ALTRLDHNRATALVAQRARSRVDTKNCVIWGNHSGTQ	F P D
UniRef90_U6IFF4	V P D
UniRef90_N1QJ61 GVTTLDVVRSETFVQSLTEKDPSKTVIPVIGGHGETL	VPL
UniRef90_H3G2J3	F P D Y P D
UniRef90_A8V286	
UniRef90_M4U4C1	
UniRef90_UPI00035E9BF4 A L T R L D H N R A L A Q L A A K V D A T V D L K H M T I WG N H S A T Q UniRef90_V5FRV8 G V T T L D V V R A S T F V A Q A L G G S P K H F K V P V I G G H	Y P D
UniRef90_G1XRY2 GV T T L DV V R A S R F I S E L K S T N P S D E R V T V V G G H	
UniRef90_D8U926	Y A D
Office of the contract of the	
UniRef90_A5ABV4	
UniRef90_Q23CW4	Y P D Y P D
UniRei90_Q82WB9 GMLRLDHNRALSQVAMKLNQPVSHIRKMIWGNHSSTQ	F P D
UniRef90_L8DTL1	YPD
UniRef90_I0YTX9	Y P D
UniReigo WASH TO UNIREIGO Q2FPC3 F G G L D S A R F Q Y E L S L R S L R D D G I L L G E H G E H Q	V P L
UniRef90_G4V7Z7	Y P D
UniRef90_H5SIZ5 A M T R L D H N R A V S L L A E A C R V P V T D R R V A I W G N H S A T Q UniRef90_D2A083 A M T R L D Q N R A Q A Q I A A R N V P V A N V N N I V I W G N H S S T Q	F P D F P D
UniRef90_UPI00035CDD51	YPD
UniRef90_O81279	Y P D
UniRef90_A8PPH4 A M T L L D E N R A R A Q L A K K A A V S V S E V T Q M V W G N H S S T Q	YPD
UniRef90_G9PER1	YPD
UniRef90_R7QJD2	Y P D Y P D
Unikel90_UP10003EAA57F L D P A R V N V P V V G G H A G K T C	ÜĘ
UniRef90_A0A059LII6 A L T R L D H N R A L G Q L A E R G V H C G K V R N A L I W G N H S S T Q UniRef90_B8GJX7 F G G Q L D S A R F N L A L S E R C L S G E G W V F G E H G E H Q	Y P V
UniRef90_S8CQW3 A LT R L D E N R A K C Q L A L K G V F Y D K V S N V T L W G N H S T T Q	V P D
UniRef90_C4LJV4	Y P D
UniRef90_A4S137	V P D V P D
Unikerso FOXPM9 GVT TL DE VR A E T F V A L A G K S N P Q E L T V P V V G G H	<u>.</u>
UniRef90_F0SGB9	Y P D
UniRef90_K5B7Y7 ALTRLDHNRAIISQLARKTGAKVTELKKMI WGNHSATQ	YPD
UniRef90_U1Z1W9 A M T R L D H N R A L T Q V A K R A G V P V E V R K V T L W G N H S A T Q UniRef90_D3BR71 A M T R L D H N R G L A Q L S Q K A N C S V T D L T D F C W G N H S A T Q	Y P D
UniRef90_D3BR71 A M T R L D H N R A L L Q L A K A N C S V T D L T D F C WG N H S A T Q UniRef90_M5U157 T G T L V D S L R Y R S L L S A E L Q L H A D D L R A Y I L G E H G D D Q UniRef90_UPI0003F68B16 A L T R L D H N R A K A Q L A K K T G A P V T D L T R T V WG N H S D T Q	F A A Y P D
UniRef90_S0F3J1 A M T R L D Q N R A M G Q V A T K T G T P V R D E R V V I W G N H S S T Q	YPD

UniRef90_B5X3I4	210 220 230 240 L SN L MGASYQHPE APRSKATKP L DRAFEM
UniRef90_A0Z1R5	L FNAR V KN DKA I D LI DQAWYEDSF I PT V QQRGAA I
UniRef90_E9CS21	FSQA KPAFTVPADRYDALVNRLQFGGDEV
UniRef90_D5X4M7 UniRef90_R5RVV6	Y R F A T V G G Q S V K D M I H D D A WN R D V F L P T V G K R G A A T I E A A S T T K V Q G E A L T K I I D T P R M P M Q D W E D L K V R V I Q G G K H I I
UniRef90_B0D7C1	S GVT I VPL LIS Q S S H P L P A S VD T A S L D A L V N R I Q F G G D E V
UniRef90_V5FMV2	S G E T I V P L F S K A K P S F Q I P T D K Y D A L V N R V Q F G G D E V
UniRef90_A5DSY0 UniRef90_H6C0V9	S G V T I V P L L S Q S S H P L P A S V D T A S L D A L V N R I Q F G G D E V S G E T I V P L F S K A K P S F Q I P T D K Y D A L V N R V Q F G G D E V V P L Y S L G K T K K Y Y D E L N E E Q K K A L I H R V Q F G G D E V F S Q T Q P S V N I P S D K L D A L V H R V Q F G G D E V I S Q A T V N G K P A L D L V D R D W Y E N D F L P T V Q K R G A A I I E
UniRef90_U2E149	I S Q A T V N G K P A L D L V D R D W Y E N D F I P T V Q K R G A A I I E
UniRef90_M5DGY1	LNHAETDGNKISLLINDPAWIEDYFI PTVQKRGAVVIE
UniRef90_B4G7B0 UniRef90_W6HU51	L N H A E T D G N K I S L L I N D P A W I E D Y F I P T V Q K R G A V V I E A G Q G K V V I N G E T K S V A D A V N D N A Y L Q G A F V E T V Q K R G A A V K R Y I T V G G I P L Q E F I N N K K I T D E E V E G I F D R T V N T A L E I V L S Q A A V C C V R I K D A E G R K V E L T Q E E I E K L T Y R I Q N A G T E V
UniRef90_C8KYC2	LS QA _ LS EGRKVELT QE EI EKLTYRLQNAGT EV
UniRef90_C8V017	WSCAAVGGVPLKDALGLEKRVEESLVEE <mark>C</mark> KHR SQSIV SGITIVPILSQSSHPLPASLTGDARAALINRIQFGGDEV
UniRef90_UPI000455F0EA UniRef90_D7WC53	II IE Y A TIVIG G O PIVIK D RIVIE R D WYIVIE E E II IP RIVIA K R G S E II
UniRef90_J1L2Z3	FS <u>RLETAVPALKREELLADKRGASMEV</u>
UniRef90_Q47VL0	TILPLLSQVEGATFSDEEVAALTPRIQNAGTEV
UniRef90_H9K668 UniRef90_P58407	Y R F A QI D N E N V A E L I N D Q D WY V K E Y L P K V G K R G S A I I E A WS T V T V N G K P F S E D L G V T K A E V E D Y V K K I P G E I I S G E T I V P V Y S L A K P A A D I P D S E Y A D L I K R V Q F G G D E V L T N A T V N G E S V M D K I D Q D WY T G E F I P K V A G R G G A I
UniRef90_C5FRD9	SGETI VPVYSLAKPAADIPDSEYADI I KRVQFGGDEV
UniRef90_C2GK21 UniRef90_A7I2F1	LT N A T V N G E S V M D K L D Q D W Y T G E F L P K V A G R G G A L I L E D E L Y K F G K K F K P Q N L S L I K E N T L N S G S K L
UniRef90_U1GAT6	F S Q A K P T V E I P Q D K Y D D L V H R V Q F G G D E V
UniRef90_D2Q476	I I F H A F I V I A G K N A A F I V V IN D Q T WII I F N D F I I P T I V I Q K R G A A I I I I F
UniRef90_M5G8Y3 UniRef90_Q5U907	S GVT I LPI F S Q A Q P PLP A S F N K E T L E A I T H R V R Y G G D E V S GVT I LP L LS Q I P H V E F T E Q E L K D L T H R I Q N A G T E V V E A
UniRef90_D8M622	G K T I I I I I I I E S O I I P N N O M T MIL ID II I P A IL IT H R IL IO E G G D E IV
UniRef90_V9HLW3 UniRef90_E5SJF6	Y R Y A I S N G E S IV IQ N MII IT E P N W N T E IV IF M P N V A K R G A A II I A A
UniRef90_UPI00042C3544	Y R Y A T S N G E S V Q N M I T E P N W N T E V F M P N V A K R G A A I I A A V A H A K V Q I G G K E S D V Y A A V N D N A W L Q G E F L S L I Q K R G A E V W S G M N I A V S P K V L N S D K G A D K X P E Q X E N V C K V V V A S G C E V
UniRef90_F4B5A8	WSTVAVNGKQVEDLPKEQLEKYVKSLPGDLIRVMGGT
UniRef90_K8D9W4 UniRef90_M5E905	WSTVAVNGKQVEDLPKEQIEKYVKSIPGDIIRVMGGT WSHSSVYGSPVAQVYERKTGKALDTAALAERVRRLGFEIY SGTTI IPLLSQSEPKFNGDQKTIEEVTHHIQFGGDDV
UniRef90_V5SI03	IVIK HATII IQTAS GEQSIVIY DAIVINNS NYII IQTDEIVITAII IQKRGAAIV
UniRef90_A0A021VZV5	Y R F A T V N G Q S L K D K I N D A D W N A N T F I P Q V G K R G A A I I E A
UniRef90_U5HE24 UniRef90_U6IFF4	S GVT I LPLLS Q S A P A LP S L N D Q D K L S K L I T R I Q Q G G D E V L A H A V V C K D G K E Y N A K T L I N D E D WVK K V F T P C I Q N R G A A V
UniRef90_G0UD31	L N N A T V G G <u> </u> A A R E A L K <u>D</u> D A <u>F </u> D N D F M K
UniRef90_Q0VQ52 UniRef90_N1QJ61	LHHCEVDGK VAIDQVEQDWYENDYIPTVQQRGAAI FSQA KPAVKIPEDKLDALTHRVQFGGDEV
UniRef90_H3G2J3	V S
UniRef90_F3LEC4 UniRef90_A8V286	LHHTAVDGK QAMSLIDQAWYEGDFLPTVQQRGAAL
UniRef90_B6RB90	GAT <mark>IIPIISQC</mark> TP <u> </u>
UniRef90_M4U4C1	T I L IPIL L IS QIV IQ GIV IQ F S H Q E IV I IDIL IT E R II IQ N A G T E IV
UniRef90_UPI00035E9BF4 UniRef90_V5FRV8	S G A T I L P L Y S Q A H P A V D L H D E Q L A P L I H R V Q F G G D E I
UniRef90_G1XRY2	S G V T I V P L L S Q S N H P E I S G E V R D A L V N R I Q F G G D E V
UniRef90_D8U926 UniRef90_C1DB66	Y ÎN A RI GGI PAT DVI R DMK WFREEFT PKVALR GGAL Y R F A T V N G E S V K S MI N D E A WN R D V F L P T V G K R G A A II I E A
UniRef90_E2B1C8	Y R F A T V N G E S V K S M I N D E A WN R D V F L P T V G K R G A A I I E A A H A T V T L S S G V K P V P S E I N D D E W L N N F V S T I Q K R G A A V
UniRef90_K7GD72 UniRef90_A5ABV4	GKIII I IPILI ISQ <mark>C</mark> I PKIVI — EFPQDQILIE I ILIA GRII IQEA GI EIV
UniRef90_Q23CW4	S G E T I VP L F S K A A P A F Q I P A D K Y D A L V N R V Q F G G D E V V N H G T V L G K R I R Q F I N D E A Y L N N A F I E R V Q K R G G E V I F H A T I G G R P A V D V V G D S G W E H V F I P T V Q N R G A V I E S H A E I D H Q K V I D L I K D Q T W V E N S F I P T V Q N R G A V V I E Y D S L L V D G S P V H L D D E Q R A V A Q N Y I D T W Y V E H V A L V N H G V V K T T G V E K S I R E A V A D D E W L N G E F I K V V Q Q R G A A I V A H G T V A G K P I K E A V A D D A W L A G D F I S T V Q Q R G A A I V S Q A T V N G L K L E F T Q E Q I E Q L T H R I Q N A G T E V F S Q A T V N G L K L E F T Q E Q I E Q L T H R I Q N A G T E V E S Q A T V N G L K L E F T Q E Q I E Q L T H R I Q N A G T E V I S H A Q V D G K A A S D L V D Q S W L E E S F I P T V Q Q R G A A I V I D A Q V Q G E P A L T R V A W D W Y E K E F I P K V Q R R G E A I U L H A Q V Q G E P A L T R V A W D W Y E K E F I P K V Q R R G E A I G S H G Q V M D S G K T V S V R E A V G D D A W L R S I F V E T V Q K R G A A V F T N A K I K G Q L V A N V I T D R E W L E G E F I S T V Q Q R G A A I F S Q A T V R G E W I P K A I F D D D V I E T L T K R T Q V G G T E F C S H A L V R G E W I P C A N V E F D D R N W E F D F I H R V Q K R G A A V L T H A T V K G Q P L T E L L A D R A W V E G D F I P T V A K R G A A L E F D D R N W L E N D F I H R V Q K R G A A V L T H A T V K G Q P L T E L L A D R A W V E G D F I P T V A K R G A A L E F D T V C C R G A A V L T H A T V K G Q P L T E L L A D R A W V E G D F I P T V A K R G A A L E F D T V C C R G A A V L E T C T C T C T C T C T C T C T C T C T
UniRef90_UPI00045EB08F	I F H A T I G G R P A V D V V G D S G WL E HV F P T V A K R G A A I I E
UniRef90_Q82WB9 UniRef90_L8DTL1	YDSLLVDGSPVHLDDEQRAVAQNYIDTWYVEHV
UniRef90_Q8GTZ6	VNHGVVKTTGVEKSLREAVADDEWLNGEFIKVVQQRGAAI
UniRef90_I0YTX9 UniRef90_M4XJP7	I S Q A T V N G
UniRef90_Q2FPC3	FSKTGLDVE TPTRDDLLVTLKNASMEN
UniRef90_G4V7Z7 UniRef90_R4VM77	V S H A V V K Q D G K E I P V T A A I N D D N WI K N E F L S A I Q K R G A A V
UniRef90_H5SIZ5	LIHAQVQGEPALTRVA WDWYEKEFIIPKVQRRGEAI
UniRef90_D2A083 UniRef90_UPI00035CDD51	GSHGQVMDSGKTVSVREAVGDDAWLRSLFVETVQKRGAAV
UniRef90_081279	FSQAT PKAIIFDDDVIETLITKRTQVGGTEF
UniRef90_M1VFR4	LS HALVRGE WILL RPRIDED WYRNEFIPRIQKRGAEV
UniRef90_A8PPH4 UniRef90_G9PER1	FYHAKIIAHQAVIDVI PDKNWLENDFIIHRVQKRGAAV LTHATVKGQPITELLADRAWVEGDFI PTVAKRGAAIIE
UniRef90_UPI000371D62E	
UniRef90_R7QJD2 UniRef90_Q8H0P9	L S H A R L G G K WA K S L V K D D D K W K D E F L P R V Q K R G A E V
UniRef90_UPI0003EAA57F	I S Q C T P K V E F P E D K L T A L T L R L Q E A G T E V
UniRef90_A0A059LII6	VN HATIDGK PAREVVADDĀYLNDQFVK DVQQRGAALIKAR
UniRef90_B8GJX7 UniRef90_S8CQW3	FUNARI HGI PVKDVIRDTRWLEEEFTFKV OKRGGAIIO
UniRef90_C4LJV4	L S H A RIL G G K WA K S L V K V N H G T A G G K P I R E A L G D D A Y L D G E F I A T V Q Q R G A A L I A P K V E F P E D K L T A L T L R L Q E A G T E V V N H A T I D G K P A R E V V A D D A Y L N D Q F V K D V Q Q R G A A L I K A R F G R L S E G V L P F L N A R I H G I P V K D V I R D T R W L E E E F T E K V Q K R G G A L I Q V T Y A T V N G E S V A D K V D E K W L A D E F R P R V A K R G A E I V S N V L I D G K P V A D Q I D Q G W L T D F V N A K I D G K K A T E V I T D Q D W L E N D F T F L N A K I N G L P V K E V I K D N K W L E E E F T E K V S G E T I V P L F S Q V Q P A V T I P D D K Y D A L V N R V Q F G G D E V F Y Q A R I D G K P V T D V I S D Q A W L Q G E F I E F Y N A L I Q G Q P A T D M I T D H E W L K G E F I S V V Q Q R G A A I I K A R I F H A E I N G K N A A E V V N D Q N W I E N D F I P T V A Q R G A A I
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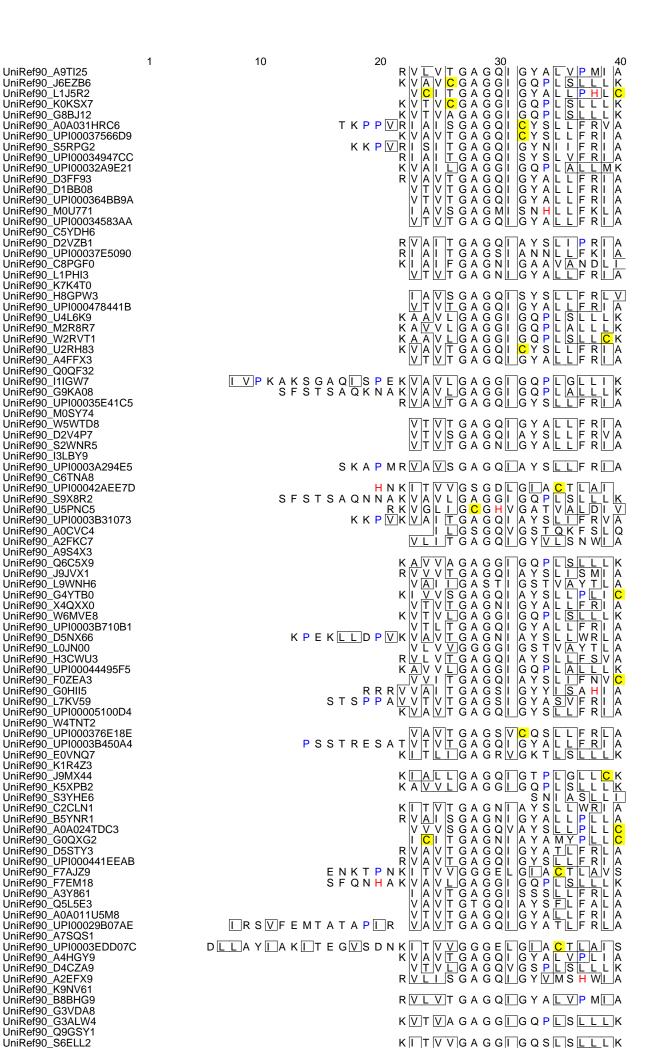
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UniRef90_A9TI25 UniRef90_J6EZB6 UniRef90_L1J5R2 UniRef90_K0KSX7 UniRef90_G8BJ12 UniRef90_A0A031HRC6 UniRef90_UPI00037566D9 UniRef90_UPI00034947CC UniRef90_UPI00032A9E21 UniRef90_UPI000364B9A UniRef90_D3FF93 UniRef90_UPI000364B9A UniRef90_UPI000364B9A UniRef90_UPI00034583AA UniRef90_UPI00034583AA UniRef90_UPI00037E5090 UniRef90_UPI00037E5090 UniRef90_C8PGF0 UniRef90_L1PHI3	RGI ML G P L H ML D I P P E S L N G V K M E L T D A A F P L L K G V V A T T L N P L V T E L A L Y D V V N S P G V A A D L S H I N T A A Q V E G Y L P K S G K T F G K L H L L D L N I E G V Q G V K M E L E D A T Y P L L K G V V C T G L S P L V D E L S L F D V V N A P G V G A D L S H I D T N A K V T S H L P D D N L N T N V T E L A L F D I V N A K G V A A D L S H I N T P A V V T G Y Q P K Q G D V F G P L Q L D V P Q D A V R G V V M E L E D C A F P L L A D V I I T D S G A L L G E L R L L E I T P K A L E G V V M E L E D C A F P L L S K V E I G D N G D L L D Q P I I L Q L L E K A I K G V I M E I E D C I F P L L V D V S V H E A G D M L G Q L L E I P P A M D A L N G V V M E L N D C A F P L L Q D I V A S D I N P L V S V L H L Y D V V N N T P G V T A D V S H M D T G A V V R G F L G Q S G A L L G R L L E I T P A L K A V E G V I M E L E D C A F P L L A G I D I F D S G Q L L G R L E I P Q G V A E G T A M E L E D G A F G L L H G I D I F D S G Q L L G R L E I P Q A V K A A E G T A M E L E D S L Y P L L R G V V S I G K S G Q L L G R L E I P Q A V K A A E G T A M E L E D S L Y P L L R G V V A T S S G E M L G H I V L I D P D S M V E G V V M E L Q D C A F P L L Q G I D I F D S G Q L L G R L E I P Q A V K A A E G T A M E L E D S L Y P L L R G V V A T S S G E M M G Q L I E V P Q A M E A L R G I A M E L D D C A F P L L Q G I D I F D S G G M L G R L E I P Q A V K A A E G T A M E L D D C A F P L L R G V V A T S S G E M M G Q L I E V P Q A M E A L R G I A M E L D D C A F P L L Q G I D I F D S G G M M G Q L I E V P Q A M E A L R G I A M E L D D C A F P L L R G V V A T S S G E M M G Q L I E V P Q A M E A L R G I A M E L D D C A F P L L R G V V A T S S G E M M G Q L I E V P Q A M E A L R G I A M E L D D C A F P L L R G V V A T S S G E M M G Q L I E V P Q A M E A L R G I A M E L D D C A F P L L A G V D I Y D S G G A V F G K L N L L E I P Q G V A E G T A M E L D D C A F P L L A G V D I Y D S G G A V F G K L N L L E I P Q G V A E G T A M E L D D C A F P L L A G V D I Y D S G G A V F G K L N L L E I P Q G V A E G T A M E L D D C A F P L L A G
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UniRef90_E0VNQ7 UniRef90_K1R4Z3 UniRef90_K1R4Z3 UniRef90_J9MX44 UniRef90_K5XPB2 UniRef90_C2CLN1 UniRef90_B5YNR1 UniRef90_B5YNR1 UniRef90_G0QXG2 UniRef90_D5STY3 UniRef90_UPl000441EEAB UniRef90_F7AJZ9 UniRef90_F7EM18 UniRef90_A3Y861 UniRef90_Q5L5E3 UniRef90_Q5L5E3 UniRef90_Q0L5E3 UniRef90_UPl00029B07AE UniRef90_UPl00029B07AE UniRef90_UPl00029B07AE	MHTPGVAADLSHI DTKCCVSYVCGM MHTPGVAADLSHI DTKCCVSYVCGM MHTPGVAADLSHI STKAKVTGHLGS CNPLVTELGLYDI V HTPGVAADLAHI STPAKVEGNLPD SQDLASEI LLI DI NEKLALGKMLDLSTLSVI LDKNI KI NS AGDVYGELAL LEI PQGAAEGVAMELADSAFPLLRGI TVTD SGYVEGELRL LEI PQGAAEGVAMELADSAFPLLRGI TVTD SGYVEGELRL LEI PHKALAGVRMELI DCAFPLT TVTT SGRVLGHLRL LDI PQEVLSGVVMELHDCAFELVNSI EYGF SGELFGHL I ELPQAQGALDGI HMELDDCAFATGVEKFSSD SGEMLGKLQL LEI AQQALKGVMMELDDCAFATGVEKFSSD SGEMLGKLQL LEI AQQALKGVMMELDDCAFPLLAGMI GTD AKGI ADRLVL LDLSEG TKGGMMDLE NSPLVSRLTLYDI A HTPGVAADLSHI ETRANAKGKWPA DQPL I LQLVEVSQAMTSLAGLALELEDCAYPLLQDI RI FD HGDVFGSDCGI DLRERVLSGVRMEL DDGAYPLL QSLRVTT AGAMLGRLRL LEI PQGSAEGAALELQDCAFPTLAGVKKFD VGVAADLSHI STRANVKFD
UniRef90_UPI0003EDD07C UniRef90_A4HGY9 UniRef90_D4CZA9 UniRef90_A2EFX9 UniRef90_K9NV61 UniRef90_B8BHG9 UniRef90_G3VDA8 UniRef90_G3ALW4 UniRef90_Q9GSY1 UniRef90_Q9GSY1 UniRef90_S6ELL2	A K V C F D S L R G L L G E L R L L D L E P Q A L A G V E A E L D D C A F P L L D K V I V T A L C P L V D E L V L Y D V V N S P G V T A D L S H L S T N P K H A D T S P P D G M L F G H L F E S T S A Q S R L D A L A M E L Q D S S F R Y L D G V V A T T L S L Y D I N H T P G V A A D L S H I E T R A T V T G H M G P R G V M L G A L H M L D I P P E S L N G L K M E L V D A A F P L L K G I V A T T L N P L V T E L A L Y D I V N A H G V A A D L S H I N T P A V V T G H Q P S L N G V V M E L T D C A F P A L A K I I P T D T Q H R H A H L A L Y D V N A D A V R G V T A D L S H I D T G V S V S G Y E G D

	90 100 110 120
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UniRef90_G8BJ12	DIVEALK GT DIVI PAGVPRKPGMTRADLENINASI IRDL
UniRef90_A0A031HRC6 UniRef90_UPI00037566D9	D P MIVIA F K DII D A A MIL V G S R P R S K G M E R R DIL L A A N A A II F K T Q D A N K V F D G V N L A M L V G A R P R T A G M E R G D L L S A N G A II F T A Q
UniRef90_S5RPG2 UniRef90_UPI00034947CC	DI VEALKGT DL VII PAGVPRKPGMTRADLLFNINASII RDL DPMVAFKDIDAAML VGSRPRSKGMERRDLLAANAAI FKTQ DANKVFDGVNLAML VGARPRTAGMERGDLLSANGAI FTAQ NPITAFKDANIAI LIGSFPRKSNMERSELLAINSSI FLEQ DPNVAFKDADFALLVGSRPRGPGMERKDLLEANAAI FSVQ PQLDNLTGMDLVII PAGVPRKPGMTRADILEANAGI VRTL
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UniRef90_D2VZB1 UniRef90_UPI00037E5090	N <u>V</u> EDG <u>F</u> KNI <u>HFA</u> LL <u>I</u> GARPRGAGMERSDL <u>L</u> E <u>V</u> NAE I <u>F</u> IR <u>Q</u>
UniRef90_C8PGF0 UniRef90_L1PHI3	D P K A A F Q G T N A A F IL V IG A M P R R A G M E R A D IL L IE A N A G II IF G P Q
UniRef90_K7K4T0 UniRef90_H8GPW3	DPRTAFKNADYVELVGARPRGPGMERKDLLEVNAEIFSVQ
UniRef90_UPI000478441B UniRef90_U4L6K9	DPVK AFDGVNVAL L VGARPRGAGMERADL LEANGGI FGPQDDEKALTGCDI VVI PAGI PRKPGMTRQDLFTI NAGI VRTLDDKKALTGADI VVI PAGVPRKPGWCRDDLFKI NAGI VRDL
UniRef90_M2R8R7 UniRef90_W2RVT1	D D K K A L T G A D I V V I P A G V P R K P G W C R D D L F K I N A G I V R D L F K G K A A L T G V D I A I I P A G V P R K P G M T R D D L F K T N A G I V Q G L
UniRef90_U2RH83 UniRef90_A4FFX3	DPEKVFDGVDLAMLVGAMPRKEGMDRSDLLSANGKIFTAQ DARTAFDGTNVALLVGARPRTKGMERGDLLEANGGIFKPQ
UniRef90_Q0QF32 UniRef90_I1IGW7	K G K A A L T G V D I A I I P A G V P R K P G M T R D D L F K T N A G I V Q G L D P E K V F D G V D L A M L V G A M P R K E G M D R S D L L S A N G K I F T A Q D A R T A F D G T N V A L L V G A R P R T K G M E R G D L L E A N G G I F K P Q E Q P D C L K G C D V V V I P A G V P R K P G M T R D D L F N T N A T I V A T L G E L S C L K G V D V V V I P A G V P R K P G M T R D D L F N T N A G I V K S L E Q P D C L K G C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L C C C C C C C C C C C C C C C C C C
UniRef90_G9KA08 UniRef90_UPI00035E41C5	E Q P D C L K G C D V V V I P A G V P R K P G M T R D D L F N T N A S I V A T L D L N E G F K G V N WAL L V G S V P R K Q G M E R Q D L L G I N G K I F I G Q
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UniRef90_D2V4P7	SESEAERGIDYAIVIIIGGKPRGPGMERADIVIMKDNAAII IEKKO
UniRef90_S2WNR5 UniRef90_I3LBY9	DANKAFAGTNAAFLVGARPRTKGMERADLLEANGGIFGPQ KEELAFKDLDVAILVGSMPRRDGMERKDLLKANVKIFKCQ
UniRef90_UPI0003A294E5 UniRef90_C6TNA8	DPNVAFKDADV <mark>C</mark> LLVGARPRTKGMERADLLSANGAIFKAL DV <u>VEACKDVNLVVMV</u> GGFP <u>R</u> KEGMER <u>KDVM</u> SKNVSLYKAQ
UniRef90_UPI00042AEE7D UniRef90_S9X8R2	KVYLSASAHSKVVIFTANSLGGŠESYLHAVQSNVDMFRAL RATVKGMTRDDLFNTNATLVATL
UniRef90_U5PNC5 UniRef90_UPI0003B31073	RATVKGMTRDDLFNTNATIVATL GEYTDLVNADI LSTLGHI I KPGGDRFTELKANIPEI KEV DPMTAFEGTDYALLVGARPRGPGMERKDLLTANGGI FGPQ
UniRef90_A0CVC4 UniRef90_A2FKC7	DSAVAFKDADVALFLGAMPRKPGMERSDLLQMNREIFIQQ EPEKAFKDLDCAFLVASMPLKPGQVRSDLISSNSVIFKNT EPEEVFADADWALLIGAKPRGPGMERADLLDLNGQIFANQ
UniRef90_A9S4X3 UniRef90_Q6C5X9	E P E E V F A D A D WAL L I G A K P R G P G M E R A D L L D L N G Q I F A N Q D D K N A L T G A N I V V I P A G I P R K P G M T R D D L F K I N A G I V R D L
UniRef90_J9JVX1 UniRef90_L9WNH6	DDKNALTGANIVVIPAGIPRKPGMTRDDLFKINAGIVRDL EPEVAFKDVDAAFLVGAMPRREGMERKDLLSANVKIFKVQ DEIGDLDPQPDLAVFTAAAPRPDDAREAELEANRGIVDDV
UniRef90_G4YTB0 UniRef90_X4QXX0	NLETAFKDADVALLVGGFPRKQGMQRKDLIEKNVTIFKAQDANKAFDGASVGLLVGARPRTKGMERADLLEANGGIFGPQQLQQALVGSDVVVIPAGLPRKPGMTRDDLFKLNAGIVAGL
UniRef90_W6MVE8	QÊQQÂÊVGS DÎVÎVÎ PA GÊPRKPGMTRDDE FKÊN A GÎ VA GÊ DARVAFSDANVAL LVGARPRAAGMERGDE LAANGGI FGPQ
UniRef90_UPI0003B710B1 UniRef90_D5NX66	DPREA <u>F</u> ÉDVSÄ <u>AF</u> LVGAQPRSKGMER <u>S</u> DLLMANÁÁI FSE <u>Q</u>
UniRef90_L0JN00 UniRef90_H3CWU3	DPPDPIDAADAI VVTASAARDPDSFRLSNLEQNLEI AADI KEELAFKDLDAAI LVGSMPRKEGMERKDLLKANVAI FKSQ
UniRef90_UPI00044495F5 UniRef90_F0ZEA3	KEELAFKOLDAAI LVGSMPRKEGMERKOLLKANVAI FKSQDDKKALTGADLVVI PAGVPRKPGVH DLFKLNAGI VRDLDLKEAFTGANYVI LVGAMPRKDGMERADLLKANASI FKVQ
UniRef90_G0HII5 UniRef90_L7KV59	DPRAAFCEADAVELVGAAPRRAGMERRDLLARNAAIFREH DPRKAFDGAGFALLIGARPRSKGMERADLLAANSDIFAVQ SAEHIFDGVNLALLVGARPRSQAMERSDLLEANGAIFTAQ
UniRef90_UPI00005100D4 UniRef90_W4TNT2	S A E HILF D GVNLAL L VG A R P R S Q A M E R S DL L E A N G A I F T A Q A D Y D A <mark>C</mark> R S <u>A</u> D <u>V I</u> I V <u>S</u> A G P S <u>V L</u> P D D S R <u>N</u> S L <u>A</u> Q <u>V</u> N S K <u>V I</u> R E <u>V</u>
UniRef90_UPI000376E18E UniRef90_UPI0003B450A4	A D Y D A C R S A D V I I V S A G P S V L P D D S R N S L A Q V N S K V I R E V S P E T G F V D C D Y A L L V G A K P R S A G M Q R I D L L K D N A E I F A K Q A P A T A F D G A N V A L L V G A R P R T A G M E R G D L L E A N A G I F G P Q
UniRef90_E0VNQ7 UniRef90_K1R4Z3	NI QKALENPOVVVI AAGYPISPKLNGKKL FEKNAPII JANL DOLADAKGADI VI IPAGVPRKPGMTRODI FNTNAGI VRDI
UniRef90_J9MX44 UniRef90_K5XPB2	DDAKAIISGADIIVVVIIAGIIARKPGMIRD
UniRef90_S3YHE6 UniRef90_C2CLN1	T D Y S K L K D F D L V V I T A G L T R K E G Q S R E E L A K L N A S I V G E T
UniRef90_B5YNR1 UniRef90_A0A024TDC3	E P E E A F E G A D V I V L V G G F P R K Q G M E R K D L I H A N T K I F T T M D I Q T A F Q D A D L A L L G G F P R K Q G M E R K F L L S K N G S I F K A Q
UniRef90_G0QXG2 UniRef90_D5STY3	E P E E A F E G A D V I V L V G G F P R K Q G M E R K D L I H A N T K I F T T M D L Q T A F Q D A D I A I L L G G F P R K Q G M E R K E L I S K N G S I F K A Q E P E K M F K D I D I G I F L G G E S R R P G M E R R D L L Q V N Y K I F K N Q N L E L A F K D V D W V L C I G S I P R G K G M E R S D L I R I N G P I F T N T D P K V A F K D A D Y A L L V G S R P R G P G M E R A D L L K V N G E I F I G Q K D L S A S A H S K V V I F T V N S L G S S Q S Y L D V V Q S N V D M F R A L
UniRef90_D53173 UniRef90_UPI000441EEAB UniRef90_F7AJZ9	DPKVAFKDADYAL L VGSRPRGPGMERADL LKVNGELFLGQ
UniRef90_F7EM18	HTPFSSSSNSLVLVSPDSPLTPLTHLLPRAWNALN
UniRef90_A3Y861 UniRef90_Q5L5E3	HTPFSSSSNSLVLVISPDSPLTPLTHLLPRAWNALN NPEEGFNGADYALLIGARPRSAGMERNDLLTANAQIFERQ SLEDAFDGLDAAFLIGAAPRGPGMERSDLLKRNGEIFSLQ
UniRef90_A0A011U5M8 UniRef90_UPI00029B07AE	DPRVAFDGANLAML VGARPRGAGMERADL LAANAGI FGPQSDHDAFRDVNFVI LVGSVPRKQGMERADL IRINGPI FTSTDDKAALEGCSVVAI PAGVPRKPGMTRDDLFNTNASI VKNL
UniRef90_A7SQS1 UniRef90_UPI0003EDD07C	D D K A A L E G C S V V A I P A G V P R K P G M T R D D L F N T N A S L V K N L L P D L S A S A H S K V V I F T V N S L G S S Q S Y L D V V Q S N V D M F R A L D P R V A F Y E V T I A I M C G A L P R K A G M E R K D L L E I N A R I F K E H
UniRef90_A4HGY9 UniRef90_D4CZA9	PPFFG VL FR LV F V SNNPAKGKPGMIRDD L FI V NAG IV RD L
UniRef90_A2EFX9 UniRef90_K9NV61	NPFFGFKDIVIDIVIA FILLI <mark>CTCFTRPGOKRILIDILLIA NNA KILIY KOO</mark>
UniRef90_B8BHG9 UniRef90_G3VDA8	DQDAALQGCDVVVIPAGVPRKPGMTRDDLFNTNATI VATL DVVEACTGVNVAVMVGGFPRKEGMERKDVMSKNVSLYNPK VVIFTVNSLGNSQTYLDVVQNNVDMFREL
UniRef90_G3ALW4 UniRef90_Q9GSY1	VVIFTVNSLGNSQTYLDVVQNNVDMFRELGKEDNLKNTDLVVIPAGVPRKPGMTRADLFNINASIVRDLDPAVAFKDCDYAFLVGSFPRKDGMDRSQLLEKNGGIFKVQGLGGALEHADVVLIPAGVPRKPGMTREDLLAINAKIIKSL
UniRef90_S6ELL2	GIGGALEHADVVLIPAGVPRKPGMTREDLLAINAKIIKSL

UniRef90_A9TI25 UniRef90_J6EZB6	130 A S A L E Q H A K D V K V L V V A N P A N T N A L I L K E F A P S L P E K N I A Q A I A D A C P E A F I L V I S N P V N S T V P V F A K K A G S Y D P R R L	160 I T L F
UniRef90_L1J5R2 UniRef90_K0KSX7 UniRef90_G8BJ12 UniRef90_A0A031HRC6	A Q A I A D A C P E A F I L V I S N P V N S T V P V F A K K A G S Y D P R R I G E L L N T V A S K T V V L V V G N P A N T N C L I A A E C A P N I P R E N F A Q G V A E N A P N A F V L V I S N P V N S T V P I F A K K N G V F N A R K I V A N I G R T A P N A A I L I I S N P V N S T V P Q V L K K L G V F N P K K I G A A L D A V A K R A K I L V V G N P A N T N A W I I A Q S A P G F P A E N I G K A L N A V A A D D I V L V T G N P A N T N A L I A M S N A P D I P N D R F	FS LF LF T
UniRef90_UPI00037566D9 UniRef90_S5RPG2 UniRef90_UPI00034947CC UniRef90_UPI00032A9E21	G K A L N A V A A D D T V L V T G N P A N T N A L I A M S N A P D T P N D R F G K A L N S V A S R D V V L V V G N P V N T N T Y I T M K S A P D L S Y K N F G K A L N D A A S R D V V L V V G N P A N T N A L I A S C N A P D L D A G Q F C E G I A R A C P N A I V N L I S N P V N S T V A I A A K K A G T Y D P K R I	F I F T
UniRef90_D3FF93 UniRef90_D1BB08 UniRef90_UPI000364BB9A	G Q A N A H A A D D V L V V G N P A N T N A L I A A S N A P D V P K D R F G A A N G A A D D V R I L V V G N P A N T N A L I A A S H A P D V P S D R F G F A N G A A D D V K V I V V G N P A N T N A L I A Q A H A P D V P A F R F	FH FT FT
UniRef90_M0U771 UniRef90_UPI00034583AA UniRef90_C5YDH6 UniRef90_D2VZB1	G K A L N D V A S R N V V I V V G N P C N T N A L I C L K N A P N I P A K N F G E A I N A G A A D D I V L V V G N P A N T N A L I A Q A H A P D V P T E R F A S A L Q Q H A P N C K V L V V A N P A N T N A L V L K E F A P A V P A K N I G K A L G K H A K S N N L L V V G N P A N T N A L I A A S N A S N I D P K Q F	
UniRef90_UPI00037E5090 UniRef90_C8PGF0 UniRef90_L1PHI3 UniRef90_K7K4T0	G R A L N N F A N R D V V L V V G N P A N T N A L I A S R N A P D L S P S Q F A R D A A K Y A P S S I I I V V T N P L D M M V Y A A L K A S G F A K E R V I	F T I G F T
UniRef90_H8GPW3 UniRef90_UPI000478441B UniRef90_U4L6K9	G K A L N E V A S R K V V L V I G N P A N I N A L I A L K N A P E L G P E N F G R A I N D A A D D V R V L V V G N P A N T N A L I A A S N A P D V P A T R F L Q G V A K F C P K A Y V L I I S N P V N S T V P I T L K E A G V F D A K K	FS FT VF
UniRef90_M2R8R7 UniRef90_W2RVT1 UniRef90_U2RH83 UniRef90_A4FFX3	ATGI ATVAPKAFVLVI SNPVNSTVPI VAKKHGVFDPKRI IEAI AKYSPDAYI LVI SNPVNSTVPI AAEKAGVFNPKKI GAALNKVASDVKVLVTGNPANTNALI AMDNAPDI PNERI GEALNGAADDVRVLVVGNPANTNALI AQAHAPDVPAERI	L F F S F T
UniRef90_Q0QF32 UniRef90_I1IGW7 UniRef90_G9KA08 UniRef90_UPI00035E41C5	A T G I A T V A P K A F V L V I S N P V N S T V P I V A K K H G V F N P K K I G A A L N K Y S P D A Y I L V I S N P V N S T V P I A A E K A G V F N P K K I G A A L N K W A S D V K V L V T G N P A N T N A L I A M D N A P D I P N E R F G E A I N G A A D D V R V L V V G N P A N T N A L I A Q A H A P D V P A E R F T A A C A Q H C P E A M V C I I S N P V N S T I P I T A K K H G V Y N P D K I T E A V A D N C P E A F I H I I S N P V N S T V P I A A E T A A C A Q H C P E A M I C I I S N P V N S T I P I V F K K H G A Y N P N K I G Q A I Q N N A A S D V T L V V G N P C N T N C L I A M N N A P D V P R D R N A S A L E Q Y A A N C K V L V V A N P A N T N A L I L K E F A P S I P A K N I G E A I N S N A N G D V I V I V A N P A N T N A M I T S I N A P D I P Q E N I G E A I N S N A N G D V I V I V A N P A N T N A M I T S I N A P D I P Q E N I	∐F ∐F WF
UniRef90_M0SY74 UniRef90_W5WTD8 UniRef90_D2V4P7	A S A L E Q Y A A N C K V L V V A N P A N T N A L I L K E F A P S I P A K N I G E A I N G A A E D V R V L V V G N P A N T N A L I A Q S H A P D V P A E R F G E A L N S N A N G D V L V I V A N P A N T N A M I T S L N A P D I P Q E N I	F T □ T
UniRef90_S2WNR5 UniRef90_I3LBY9 UniRef90_UPI0003A294E5 UniRef90_C6TNA8	GEALNSNANGDVLVIVANPANTNAMITSLNAPDIPQENIGKAINDNAADDVVLVVGNPANTNALIASAAAPDVPASRFGAALDKYAKKSVVIVVGNPANTNCLTASKSAPSIPKENFAENAKEDVRVLVVGNPCNTNALIAASAAKKVGRTNPDNYASALEQHATDCKVLVVANPANTNALILKEFAPSIPEKNI	Y_H I ∃T
UniRef90_UPI00042AEE7D UniRef90_S9X8R2 UniRef90_U5PNC5 UniRef90_UPI0003B31073	VPALGHYSQHAVFLVASQPVEIMSYVTWKLSTFPANQVI TAACAQHCPEAMICIISNPVNSTIPITAKKHGVYNPDKI SEQLNRINFKGILIATTNPNDVIVNLYSQLLNLPQSHI GTAAAKASKNVKVLVVGNPANTNALIAATAAGGLDPKQI	I F I G I H
UniRef90_A0CVC4 UniRef90_A2FKC7 UniRef90_A9S4X3 UniRef90_Q6C5X9	G Q L N E Q A K T T V V L V V A N P S N T N C A T L A N Q C T K I P Q Q N F G E Y L S Q Y A P T V K V L V I G N P D N T N C E I A M L H A K N L K P E N F G K A L N K V S P D V K V L V V G N P C N T N A L I A L K N A P R L N P R N F V T G V A Q Y A P D A F V L I I S N P V N S T V P I A A K K H N V F N P K K I	FT FS FH
UniRef90_J9JVX1 UniRef90_L9WNH6 UniRef90_G4YTB0	GEALNKYAKKDIVVLVVGNPANTNALICSFYAPSIIPKENF AFOURSIDPIPULIVM TNPIDDRITYRIJWRRIJEWPRGHEI	F_T I∷G
UniRef90_X4QXX0 UniRef90_W6MVE8 UniRef90_UPI0003B710B1 UniRef90_D5NX66	G A A I D K Y A S R D V V L V V A N P A N T N C L I A M E N A P S I P R K N F G K A I N D N A A D D L V L V V G N P A N T N A V I A M Q N A P D V P K E R F V N A I S I H S P K A S V C I I S N P V N S M V P K I L K Q N G V F D P R K I G E A I N A V A A D D L V V V V G N P A N T N A L I A A A H A P D V P A D R F G A A L N E V A R R D V R V V V V N P A N T N V L I A S S N A P D L D P Q R F G E W F G E A D P T P T V V A A N P T D R L T Y R L W E A S G W P R E R F I	F T F T
UniRef90_L0JN00 UniRef90_H3CWU3 UniRef90_UPI00044495F5 UniRef90_F0ZEA3	G S A L E K F S K K T IV V L V V G N P A N T N C L I I A A K S A P S II P K A N F A T G I A T T A P K A F V L V I S N P V N S T V P I V A K K H G V F D P K K I G K A I N D Y A N K N V V I V V G N P A N T N C I I A M H Y A P D I A K F N F	FS LF FT
UniRef90_G0HII5 UniRef90_L7KV59 UniRef90_UPI00005100D4 UniRef90_W4TNT2	G Q A M R D V S F E A K L L V V G N P V N T N A Y V L A R Y A P N I Q R D N I G A A I N E V A A D D I V L V V G N P A N T N A A V A S A H A P E V P P Q R F G K A I N A V A A N D V L G V T G N P A N T N A L L A M H N A P D I P A F R F	VIT FT FS
UniRef90_UPI000376E18E UniRef90_UPI0003B450A4 UniRef90_E0VNQ7	GKALGQYAPTVKVLVVGNPANTNALIAWANAERLSPSQLGKALNEHAASDVVLVVGNPANTNALIASANAPDVPRERE	T F T L F
UniRef90_K1R4Z3 UniRef90_J9MX44 UniRef90_K5XPB2 UniRef90_S3YHE6	S E A C A K F C P Q A C V V L I T N P L P L M S E I Y Q A I N R N V P S K K I C E V C A E V C P D A I M G I I T N P V N S T V P I A E E V Y K R K N A F N I F T Q V A K T C P K A L S C I I T N P V N S T V P E T L R T A G V F E P A R I A T G I A T Y S P K A F V L V I S N P V N S T V P L V A K K H G V Y D P K R I S K K I A E F S P N A I I I V V T N P L D L M V Y A C Y K N S G F N K N K L I	L F I G
UniRef90_C2CLN1 UniRef90_B5YNR1 UniRef90_A0A024TDC3 UniRef90_G0QXG2	GKAIINDNAARDVVLVVGNPANINAFIIAANSAPDLIDPSQF GRAIIEEVSPNVKVLVVANPANINCLVALNEASRIIPSKNF GEALELYARKSVVLVVANPANINCLIAMKHAPSIIPIENE	FN F <mark>C</mark> FS
UniRef90_D5STY3 UniRef90_UPl000441EEAB UniRef90_F7AJZ9 UniRef90_F7EM18	GKALNEVAKRAKI FVVGNPANTNALI ASRNAPDI PAKNI GQALNEVAKRDVVLVVGNPANTNAYI AMKSASDLPAKNI VPALGHYSPHSLLLVASQPVEI MTYVTWKLSAFPANRVI GGTVTSPSTPPPPPQVNSTLPLTSEVFKKHGVYNPNRLI GKALNDFSPDVKVLVVGNPANTNALI ASRNAPDLDPKQI GSVLNTSAKRAKI FVVGNPVNTNCWI AMSQAPRLNRRNI	WF F T I G
UniRef90_A3Y861 UniRef90_Q5L5E3 UniRef90_A0A011U5M8	GKALNDFSPDVKVLVVGNPANTNALI ASRNAPDLDPKQFGSVLNTSAKRAKI FVVGNPVNTNCWI AMSQAPRLNRRNFGAALNEVAAAGDI VVVVGNPANTNALI AAAAAPDI PGERF	FS FH FA
UniRef90_UPI00029B07AE UniRef90_A7SQS1 UniRef90_UPI0003EDD07C UniRef90_A4HGY9	G A A L N E V A A G D I V V V V G N P A N T N A L I A A A A A P D I P G E R F G K A I Q A A A A K D V I V V V G N P C N T N C L I A M S H A P D V P R D R N S E A C A K H C P K A I I C I I S N P V N S T V P I V Y K K A G V Y D P A R N Y P A L G H Y S Q H G V L V A S Q P V E I M T Y V T W K L S A F P V N R V I G E A I A A V A S D C R V V V V G N P A N T N A L I L L K S Q G K L N P R H N Y Q G V A E V C P K A F V L I I S N P V N S T V P I A A K K A G V F D A K R L	U G V T
UniRef90_D4CZA9 UniRef90_A2EFX9 UniRef90_K9NV61 UniRef90_B8BHG9	G E Y L N K Y A P T C K V L V T G N P A N T N A L V T L L N A P N L K P E N F A D A C A R N C P E A L I C I I A N P V N S T I P I T M K K H G V Y N P N K N L L L S R L M Q P T A K V L V V A N P A N T N A L I L K E F A P S I P E K N I	F T V F I T
UniRef90_G3VDA8 UniRef90_G3ALW4 UniRef90_Q9GSY1 UniRef90_S6ELL2	V P A L G H Y S P Q S V I L V A S Q P V E [M T Y A A W K L S A F P E N R V I V A N I A R T A P N A A I L I I S N P V N S T V P I A A K K L G V F N P R K L G E A L S N H A K K T V V L V V G N P A N T N A L I A L H F A K N L G P Q N F G A S I A K Y C D K V F V L L L S N P I N S L V P V L V K E P G L P V E R R N	I G L F F S

	17 <u>0</u> 180 190 200
UniRef90_A9TI25 UniRef90_J6EZB6	CLTRLDHNRALGQVAERLNVPVTVKNVIIWGNHSSSQYPD GVTTLDVVRAATFAATVAGKPAGKYKVPVIGGH
UniRef90_J0L2B0 UniRef90_L1J5R2	A IL IT R IL ID H N R A II IA Q IL IA II IK A S IV IP IV IE Q Q N S II I I W G N H S S T Q Y P D
UniRef90_K0KSX7	GIVIT TILIDIL VIR ANT FILIS QILID S SN P SNILINIVIPIV LIG G H
UniRef90_G8BJ12 UniRef90_A0A031HRC6	GVTTLDSVRAETFFGELTNTNPNTLKGKISVIGGH SMIRLDHNRAQGQLAAKAGVGVDAITKVVWGNHSPTMFAD
UniRef90_A0A031ARC6 UniRef90_UPI00037566D9	
UniRef90_S5RPG2	A MLIRIL ID H N R AII IA KIL IA S KILIN E PIVISILIK KI <u>VIFI</u> VIWG N H SILIS M Y P D
UniRef90_UPI00034947CC UniRef90_UPI00032A9E21	A M T R L D H N R A L T Q L A Q Q T G K H V N D V E S I V W G N H S A T Q Y P D G V T T L D V V R A N T F V A E V L G V D P R E V D V P V V G G H
UniRef90_D7F00032A9E2T	A MT R L D H N R A T A QLS K K T G A A V K D I N V T I W G N H S A T Q Y P D
UniRef90_D1BB08	A M T R L D H N R A L S Q A A T K A G V P V S Q V R R T I W G N H S A T Q Y P D
UniRef90_UPI000364BB9A UniRef90_M0U771	A M T R L D H N R A L A Q L A K K L D V A V A D V K K M I W G N H S A T Q Y P D A L T R L D E N R A K C Q L A L K G V F Y D K V S N M T I W G N H S T T Q V P D
UniRef90 UPI00034583AA	A MT R L D H N R A L S Q L A K K L G V S I N E I K K T I W G N H S A T Q Y P D
UniRef90_C5YDH6	CLT RL DHNRALGQI SEKLGVHVDVRNALVWGNHSSTQFPD
UniRef90_D2VZB1 UniRef90_UPI00037E5090	ALTRL DENRAKCQL ALKGVFYDKVSNMTI WGNHSTTQVPD AMTRL DHNRALSQL AKKLGVSINEIKKTI WGNHSATQYPD CLTRL DHNRALGQI SEKLGVHVDVRNALVWGNHSSTQFPD AMTRL DHDRALAQVANKLKVPVRSLSKFI WGNHSATQYPD SLTRL DQNRARGI LANHTGASPRDRRVVI WGNHSATQYPD MAGEL DGARLKFEL ARESGKEI SSMRSAI VGPHSEEM
UniRef90_C8PGF0	MAGELDGARLKFELARESGKELSSMRSAIVGPHSEEM
UniRef90_L1PHI3	
UniRef90_K7K4T0 UniRef90_H8GPW3	GVT ML SVVR ANT FVA EVLGVD PR DVDVPV VG G H S M S R L D H N R A V S L L A E K C G V T T D V K N M T V W G N H S T T Q Y P D
UniRef90_UPI000478441B	A MT R L D H N R A L S Q V A A R T G T P V S E I K R T I W G N H S A S Q Y P D
UniRef90_U4L6K9	GVTTLDVVRASTFTAAVVTEVDPRKLTUPVVGGHGETLVPL
UniRef90_M2R8R7 UniRef90_W2RVT1	A MT RL D H N R A L S QVA A R T G T P V S E I K R T I WG N H S A S Q Y P D G V T T L D V V R A S T F T A A V T E V D P R K I T I P V V G G H G E T I V P L G V T T L D V V R A S T F V A E I L G D L S L A P S I S V P V V G G H G L T T L D V V R A E T F V G E I S G K E P A K T T I P V V G G H A L T R L D H N R A K T Q L A K K L G V N V E V T N M T I WG N H S N T Q Y P D A M T R L D H N R A L T Q L A Q K L G V S V N D I K K T I WG N H S A T Q Y P D C V T N M T T T T T T T T T T T T T T T T T
UniRef90_U2RH83	ALT RLDHNRAKT QLAKKLGVNVEVTNMTI WGNHSNTQYPD
UniRef90_A4FFX3 UniRef90_Q0QF32	A M T R L D
UniRef90_I1IGW7	LKQKAQKKNLKLIDVDVPVVGGHA
UniRef90_G9KA08	GIVIT TIL IDII. VIR ANT FII IA
UniRef90_UPI00035E41C5 UniRef90_M0SY74	AMTRLDENRAKSQLAKKAGVDVTEVSRGVWGNHSATQYPD CLTRLDHNRALGGIAQRLNIHVDVKNVIIWGNHSSTQYPD
UniRef90_W5WTD8	AMTRILIDHNRALISQILIATKILIGIVISIVISEITTKMILIWGNHSATQYPD
UniRef90_D2V4P7	A T R L D H D R A L A Q I S N K L G C T V S D I S R F I WG N H S A T Q Y P D A MMR L D H N R A M S Q L S H K L Q V P S R I K D M V V WG N H S A D Q F P D
UniRef90_S2WNR5 UniRef90_I3LBY9	
UniRef90_UPI0003A294E5	A ML R L D H N R A L S Q L A A K I G R D V S S K Q L V V W G N H S P T M F A D
UniRef90_C6TNA8 UniRef90_UPI00042AEE7D	A MLRL DHNRALSQL A A KI GRDVSSKQL V V WGNHSPTMFADCLTRL DHNRASGQI SERLNVL V DVKNVI V WGNHSSTQYPDIGCNL DSQRLQYIITNVLKAQTSGKEVWVIGEQGENKVCS
UniRef90_S9X8R2	G V T T L D I V R A N T F V A E L K <mark>C</mark> T P
UniRef90_U5PNC5	T G T VII ID T A R M K A OIVIS K A II IKII ID G R A II IE G VIV I IG E H G N S O E T A
UniRef90_UPI0003B31073 UniRef90_A0CVC4	A MVRL DHNRAVSQLSSKTVHGNDIDQVII WGNHSSTQYPD SLMQLDHNR <mark>C</mark> VSTLAREANTTIDQLRVII WGNHSLTQ <u>Y</u> PD
UniRef90_A2FKC7	S L S M L D H N R A Y Y E V A H K L G V S I E D H D I I V W G N H G E S M V A D
UniRef90_A9S4X3 UniRef90_Q6C5X9	ALTRLDENRAK <mark>C</mark> QLALKGVFYDNVSNMTIWGNHSTTQVPD GVTTLDVVRAQTF <u>T</u> AVVGESDPTKLNIPVVGGHSGDTI
UniRef90_J9JVX1	AMTRLDQNRAQSAI AKRGL <mark>C</mark> VSNVKNVTI WGNHSSTQFPD
UniRef90_L9WNH6	Y SLSETARTAHRI GELRDVDPETVYCPVMGEHGNGLVPL
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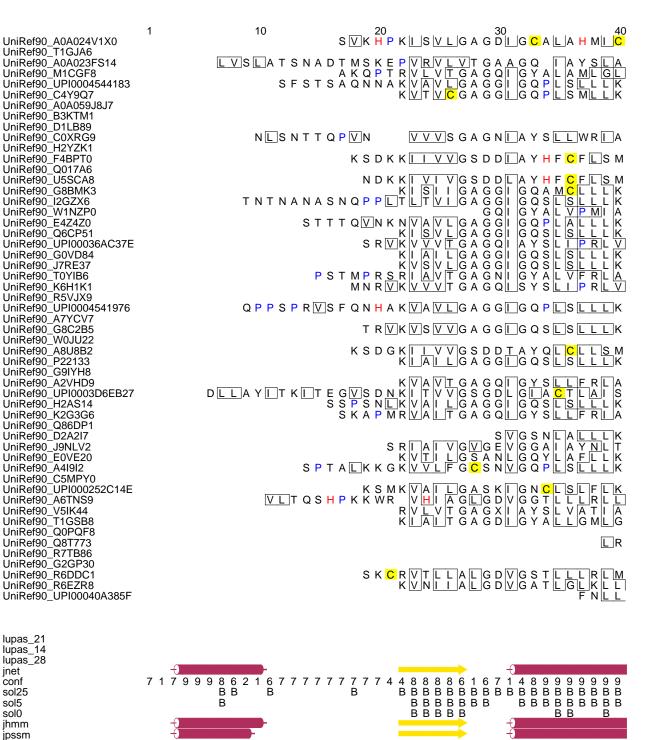
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James	UniRef90_A0A031HRC6	WGNAELDGGKLADRIGNEAWYRETLIPTVAQR GTAILEA
JARRESO DEPODO 23-249E21 JARRESO DEPODO 23-	UniRef90_S5RPG2	YRYATIVINGIVI I IRDMII INNNSEWNKNIVIFII IPAII ISR RGEEII I IS
This in the content of the content	UniRef90_UPI00032A9E21	A GIVITIL LIPILLIS QIVIK P.P.S.S.F.T.A.F.F.A.F.YII.IT N.R.II.IQ.N.G.G.T.F.IV
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JAIRGE90 MOSYY4 JAIRGE90 MOSYY6 JAIRGE90 DSVWTOB JAIRGE90 DSVWTOB JAIRGE90 DSVWTOB JAIRGE90 DSVWTOB JAIRGE90 DSVWTOB JAIRGE90 JSWWTOB JAIRGE90 JSWWTOB JAIRGE90 JSWWTOB JAIRGE90 JSWWTOB JAIRGE90 JSWWTOB JAIRGE90 JSWTOB JAIR	UniRef90_G9KA08 UniRef90_UPI00035E41C5	F T N A RIIG A K A VIT D VIIS D S D W LE G E F LIS T V Q Q R G A A I I K
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Junkergo Octomas Junkergo SaysR2 Junkergo Says	UniRef90_I3LBY9 UniRef90_UPI0003A294E5	Y R F T T S N G F S IV IK D II I I IN D Q A W Y N D IV IF II I P T IV IG K R G A A II I I F
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S F D S G E D P S T L M A N D L E WT N D D F V Q L V Q N R G K H V I E V D A A A H V V I Q M A D G S V A P L A D F L Q D P D WI D R P L V Q N R G A A I I Q Q E K A I N M F D E Q WI N N H F I P K I Q K R G G E V D N R G S A V I A A R V N G E S L K D K N N D A E W N K D W S G G K T I P L I S Q C T P K V D F P Q D Q L T A L T G R I Q E A G T E V D N R G S A V I E A R D T S F D D D F V R G S A V I E A R D T S F D D D F V R G S A V I K A R A M E L D G K P A T S V I T D H A W L K G D F I T T V Q Q R G A A V I K A R A M E L D G K P A T S V I T D H A W L K G D F I T T V Q Q R G A A V I K A R A M E L D G K P A T S V I T D D D D F V K G V R G R G T E I V P V Y S L A K P A A E I P E N E Y S E I I K R V Q F G G D E V D I S I P E K D G E K P V E F P A D Q L A A L T G R I Q E A G T E V D I S I P E K D G E K P V E F P A D Q L A A L T G R I Q E A G T E V D I S I P E K D G E K P I F V S S L L E E K Y L H E E L P D Y L S K R G W Q I L I S I S I S C E K P V E F P A D Q L A A L T G R I Q E A G T E V D I S I P E K D G E K P V E F P A D Q L A A L T G R I Q E A G T E V D I S I P E K D G E K P D D E V K G V R G R G T E I V P V Y S L A K P A A E I P E N E Y S E I I K R V Q F G G D E V D I S I P E K D G E K P D D E V K G V R G R G T E V D I S I P E K D G E K P D D E V R I R T G R I Q E A G T E V D I S I P E I V A D D E W I N T E E I S T V Q P G G D E V D I S I P E I V A D D E W I N T E E I S T V D D R G A A D I P E I V A D D E V I D D E V R I D D E V R I D D E I P E I V A D D E V I D D E I V A D D E V I D D E I P E I V A D D E V I D D E I V A D D E V I D D D E I V A D D E V I D D D D D D D D D D D D D D D D D D	UniRef90_S3YHE6 UniRef90_C2CLN1	Í Í ŤŸ∇N E E ∇D Q D W Y T G E M∏P K∇IA N R G A E I
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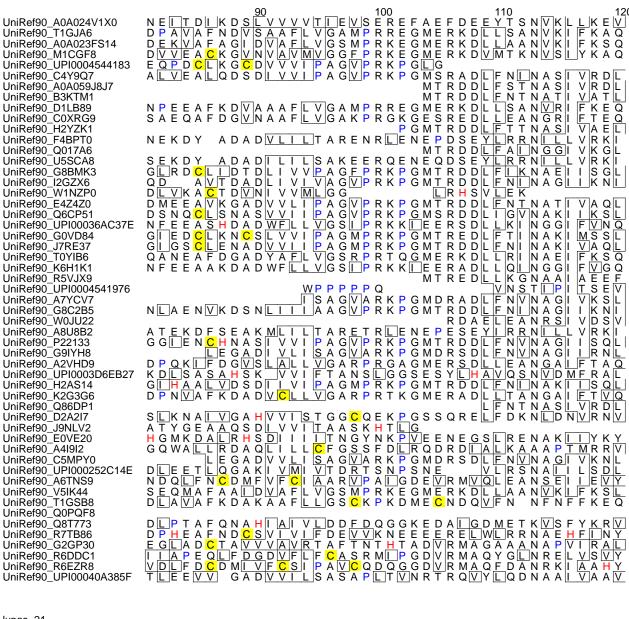
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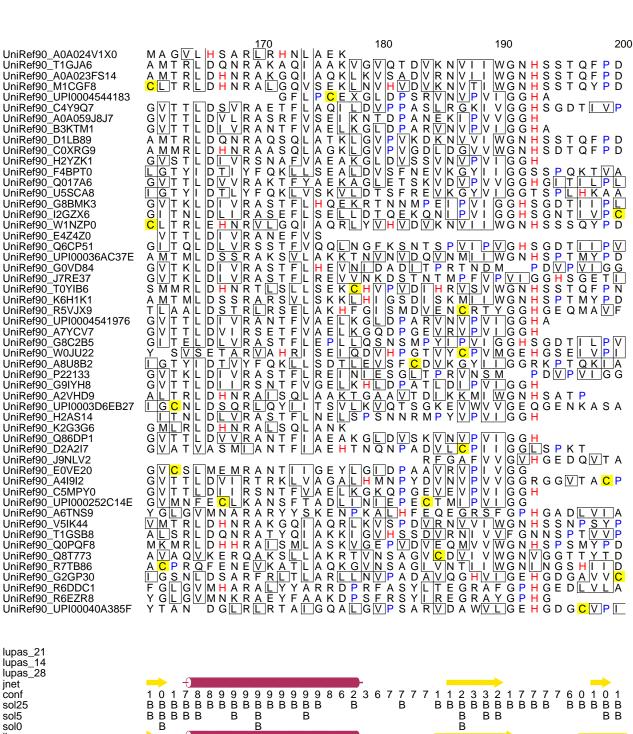
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 I K A R K L V S A F A S A V C D H I R D W I L G T P K D T W V S V Y S D G S Y G

 UniRef90_D1LB89 UniRef90_C0XRG9 UniRef90_H2YZK1 UniRef90_F4BPT0 UniRef90_Q017A6 UniRef90_U5SCA8 UniRef90_G8BMK3 UniRef90_I2GZX6 UniRef90_W1NZP0 UniRef90_E4Z4Z0 VKAKNGNGSATLSMVMYVPLTNRNHQEIAPGSNELRS RYGASSATSAAKAALDTVIACENPTDSNDSFSAAVESDGSYGVKAKNGLGSATLSMAHAA VKAKNGKGSATLSMAHAA UniRef90_Q6CP51 UniRef90_UPI00036AC37E UniRef90_G0VD84 UniRef90_J7RE37 UniRef90_T0YIB6 UniRef90_K6H1K1 GASSATSAAKAALDTVVACENPTASGDCFSAAVISDGSYDLRGRSSFQSPSYVSIEMIGAAMGGKAFRWPAGTYVSNEKYVKAKAGAGSATLSMAYAGARFVFSVVDAMNGKEGVVECSFVEAKAGGGSATLSMGQAACRFGLALVKALQGEEVIEYAYNVEAKNGKGSATLSMAYSATSR WVTSAGVVRIIRKMMANDPSPTCLSTPLAGEYGNENSELTVTTATAVLKLVQFILTNEKAVVPL VHLMDIGVKAKNGKGSATLSMAHVEAKAGGGSATLSMAHVEAKAVVPL VHLMDIGVKAKNGKGSATLSMAH UniRef90_R5VJX9 UniRef90_UPI0004541976 UniRef90_A7YCV7 UniRef90_G8C2B5 UniRef90_W0JU22 UniRef90_A8U8B2 UniRef90_P22133 UniRef90_G9IYH8 UniRef90_A2VHD9 UniRef90_UPl0003D6EB27 UniRef90_H2AS14 UniRef90_K2G3G6 UniRef90_Q86DP1 UniRef90_D2A2I7 UniRef90_J9NLV2 UniRef90_BV20 UniRef90_E0VE20 UniRef90_A4I9I2 UniRef90_C5MPY0 UniRef90_G8C2B5 VKAKNGKGSAT LSMAHAA<mark>C</mark>K IVTN VEAKAGAGSMAYAAAQFAFSVLEALGGVEGKVE<mark>C</mark>AYVASD LKGAMF<mark>C</mark>YSKAVAISRFIHLVVKALKGEKH<mark>C</mark>VESAFVAHI QGKGSAVFGIASISANLCCSILLDKREISPV EVA PPVALGLA Y A A C D F S T S L L K A L R G D V G I V E C A L V E S T V E A K A G G G S A T L S M G Q A A A R F N N K E K N S F A L S Y A A A R F C M S L C K A L R H Q G N V V E C A Y R S C A R Q L G F K P Y I A P A L S S G A L S I L S T I K G E W H Y S A T Y M UniRef90_A4f912 UniRef90_C5MPY0 UniRef90_UPI000252C14E UniRef90_A6TNS9 UniRef90_V5IK44 UniRef90_T1GSB8 UniRef90_Q0PQF8 LAKKK SPPALSVAKAACDHMHDWWHFISMGVPSKGSYCIKARSAASAANAIIAHTRDWALGSSGRWVTMGVVSDGSYGQDSLQHSMAAAISSTLSYWWNGSPEGQLFSLAVCSEGFYNNHPKSMSQGAAVATLLNHWWTGSPEGHVFSLGLLSEGAFDGVGRTRSGPAGAVLSALRKALGLVDGTEELTAEHRGDWLGRKLGYKPYVAPALSSGALSLLALLRGQWHYSSVY UniRef90_Q8T773 UniRef90_R7TB86 UniRef90_G2GP30 UniRef90_R6DDC1 UniRef90_R6EZR8 UniRef90_UPI00040A385F GRSSTWTTGHGVARMVAALTGASGLSELWPASVVVDGEYG lupas_21 lupas_14 lupas_28 inet 3 2 7 8 98516788 0 2 7 2 0 5 7 8 conf 1 4 BBBBBBB ВВВ BBBBBBB

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