	1 10 20 30 40
QUERY	SLSSKLSVQDLDLKDKRVFIRVDFNVPLDGKKITSNQRIV
UniRef90_P29407 UniRef90_S8ACQ2	S
UniRef90_B2ZBW7	S L S N K L S V K D L N V T G K R V <u>F</u> I R V D F N V P <u>L</u> D G K K I T N N Q R I V
UniRef90_G4TEE4 UniRef90_D5G9D1	SLSNKLSITDLDLKGKRVLIRVDFNVPMKDGAITNPARIV SLSNKLAITDLDLKGKRVLIRVDFNVPLEGTLITNNQRIV
UniRef90_V4ADA9	N K L S I D K L D L K G K R V L M R V D F N V P L K D G N I T N N Q R I E
UniRef90_P29405	SILIS N KILISILIR DILINILIK D K RIV LLIRIVID F NIVIP M K D G A LIT N N N R LI VI
UniRef90_U6P3G2 UniRef90_U9SVR8	KLSI DKVDVKGKRVLI RVDFNVPQKDGKI TNNQRI V SISNKI SI QDVDVKDKNVLI RVDFNVPLQDGKI SNNQRI V
UniRef90_M7X689	SILIS N KILISILIR DILIDILIK G K RIV VIM RIVID F NIVIP F D Q G NILIT N N Q RILIT
UniRef90_E6R9I3 UniRef90_A8QDB7	SILIS T KILIAILIT DIVIDILIT D K RIV LIMRIVID F NIVIPILID G F KILIT N N Q RIL VI
UniRef90_J5QST5	LSIKDVDLKDKRVLIRVDFNVPQDKGEITNPARIT
UniRef90_I1GE34 UniRef90_L8G700	L S I K D V D L K D K R V L I R V D F N V P Q D K G E I T N P A R I T K L S V D E I D V K G K R V L V R V D F N V P L D G K T V T S N Q R I V S L S N K L S I T D V T V K D K K V L I R V D F N V P L D K K N V T N T Q R I A
UniRef90_F0ZP38	N KILISII ID QIVIDIVIK G K RIV L I IRIVID Y NIVIPILIN G T EII IT N T Q RII ID
UniRef90_T1JGK5 UniRef90_O60101	KKLGLNSLDVANKRVIIRVDFNVPMKNGQITNNQRIV SLSTKLAITDVDLKGKNVLIRVDFNVPLDGDRITNNARIV
UniRef90_E3L4A0	SLSSKKTI T DLEI K GKRVLI RVDFNVPQDKGQI TNNARI V MEKMTI R DVDLKGKRVI MRVDFNVPVK DGVVQDDTRI R
UniRef90_P36204 UniRef90_F6YND1	MEKMTI R DV DL K G K R V I M R V D F N V P V K D G V V Q D D T R I R K K L S I D K L D V K D K R V L M R V D F N V P L K D K K I S N N Q R I V
UniRef90_T1G902	NKLSI DKV DLK QK RI LI RV DF NV P QK D GKI T N N Q RI V
UniRef90_B6AFB0 UniRef90_B5DFX8	LSKKLSIKDIELRDKRIFIRVDFNVPTKNGVVSDKTRIV SLSNKLTLDKVDVKGKRVIMRVDFNVPMKDHNITNNQRIK
UniRef90_UPI00026580F3	SKLGLDKLALSGKRVI IIRVDFNVPIKEGKI TNNQRI V
UniRef90_A0A024UQQ6 UniRef90_C5KYR5	S L S T K L A I T D V D L K G K N V L I R V D F N V P L D G D R I T N N A R I V S L S S K K T I T D L E I K G K R V L I R V D F N V P Q D K G Q I T N N A R I V M R K M T I R D V D L K G K R V L I R V D F N V P V K D G V V Q D D T R I R K K L S I D K L D V K D K R V L M R V D F N V P L K D K K I S N N Q R I V N K L S I D K V D L K Q K R I L I R V D F N V P L K D K K I S N N Q R I V L S K K L S I K D I E L R D K R I F I R V D F N V P L K N G V V S D K T R I V S L S N K L T L D K V D V K G K R V I M R V D F N V P M K D H N I T N N Q R I V S L S N K L T L D K V D V Q G K R V I M R V D F N V P M K E G K I T N N Q R I V L S C K R V L M R V D F N V P L K E G K I T N N Q R I V L S C K R V L M R V D F N V P V K D G K V A D K T R I V S L K D V D V Q G K R V L M R V D F N V P V K D G K V A D K T R I V S L S D K A T L K D L P I K G K R V L M R V D F N V P L D G T T I T N N Q R I V S L S N K L A I T D V D V K D K R V L I R V D F N V P L D G T T I T N N Q R I V L S C K R V L M R V D F N V P L D G T T I T N N Q R I V L S L S N K L A I T D L D L K G K R V L I R V D F N V P L D G N I T D D T R I Q S L S S K L A I T D L D L K G K R V L I R V D F N V P M H D G Q V S N D A R I V L G N K L T I S D I P V K N K K V L V R A D Y N V P I E N G E V K D N T R I V
UniRef90_U4LP89	SLSNKLAIT DVDVKDKRVLIRVDFNVPLDGTTITNNQRIV
UniRef90_UPI0003693517 UniRef90_M5GEV9	MNKKTVRDIDVRGKRVFVRVDFNVPLEDGNITDDTRIQ SLSSKLAITDLDLKGKRVLIRVDFNVPMHDGQVSNDARIV
UniRef90_Q7RG04	S L S S K L A I T D L D L K G K R V L I R V D F N V P M H D G Q V S N D A R I V L G N K L T I S D I P V K N K K V L V R A D Y N V P I E N G E V K D N T R I V N K L S I D S L S L L N K R V L M R V D F N V P L K D G K I T N N Q R I V
UniRef90_R4WDR4 UniRef90_E9IUG2	N K I I S I I D K I V I E I I A D K R I V I I I R I V I D E N I V I P I I K E G K I I T N N O R I I V I
UniRef90_A0A023B4I5	All IS N KIL IS II IR DIVIEIL IK G K RIV L IM RIVID F NIVIPIL VID G KIVIT D A T RII IN
UniRef90_V5SKG9 UniRef90_UPI00037E0656	N K L S V E K V D V A G K R V L I R V D F N V P M K E G K I T S N Q R I V M N K K T I K D L D L K G K R V F C R V D F N V P M K D G G V T D D T R I R
UniRef90_I7J4T0	MNKKTVRDLDVKGKKVLVRCDFNVPQDDGNITDDRRIV
UniRef90_M7NQE6 UniRef90_I7A1P3	MNKKTVRDIDVKGKKVIVRCDFNVPQDDGNITDDRRIVSLSNKLSVRETVLKGKRVFIRVDFNVPLNNKEITNNQRITMKKLSIDKVDLKGKRVLVRVDFNVPYDENMITDDLRIR
UniRef90_Q2RLU1	MAKILILI KDILIELINNKRIVI VIRIVIDENIVIPILIEAGRIVILDNI RILIR
UniRef90_UPI000378ACD5 UniRef90_G8LY94	MTKLFI E DL DL A GKRVL I RVD F NVPVK N GVVE S DKRI R A MMNKKTI E DI DVK G KKVI VRVD F NVPL D E N RI T D D K RI V
UniRef90_B0TGK4	M N K Q T V R D I D V R G K G V L V R V D F N V P V N E G V L T D D T R I R
UniRef90_R5XP17 UniRef90_A0A024G5J3	S MLN K K T I E D I N V A G K K V L V R C D F N V P L Q D G V I T D E N R L V K K S I R Q L D L E G K R V L I R V D F N V P F H N G A I S N T K R I D
UniRef90_F6CN84	I K TI R D M F IVIT G K R IV I V IR IVID F N IVIPII ID Q G N IVIA D D T R II IR
UniRef90_G2FZ20 UniRef90_L1K2C4	9
UniRef90_Q66PT3	T SLINKLQL K DADVK G K RV FI RVD F NV P F D K K DI T NLA RVQ
UniRef90_K8DXV1	M R K <u>K T V K D I A V Q G K R V L V R V D F N V P L A G Q A I T D D T R I R</u>
UniRef90_B9QI15 UniRef90_A0PYP1	N K K I IVIE DII IQIVIK G K KIV L VIR <mark>C</mark> D F NIVI <mark>P</mark> IL IK D GIV I II D E N RIL VI
UniRef90_G9QJP4	MNKKTI KDVDVKGKR <u>VFC</u> RVDFNVPMKDGNVTDDTRI R
UniRef90_L8H831 UniRef90_U4WMD8	K L S I D Q L K L E G K R A L I R V D F N V P F D E G K I S N T Q R I E M N K K S I R D I E L A G K R V E C R V D F N V P M Q D G V I T D D T R I R
UniRef90_D1AKU8 UniRef90_M7NEC7	MNKKSI RDI EL AGKRVFCRVDFNVPMQDGVI TDDTRI R MAKKTVKDLDVKGKKVLMRVDFNVPMKDGKI TDENRI V MIRKKSI NDLDVAGKRVFVRVDFNVPLDGGHI TDDTRI R MAKLSI EDLELAGKRVFI RVDFNVPQDKGEI TNTKRI E MNKKTVKDLAVTGKKVFVRVDYNVPMDKGHI TDDTRI R
UniRef90_C9RL46	MAKLSI E DLELAGKRVFI RVDFNVPQDKGEI TNTKRI E MNKKTVKDLAVTGKKVFVRVDYNVPMDKGHI TDDTRI R
UniRef90_A1HSR2 UniRef90_R1AVS9	M N K K T V K D L A V T G K K V F V R V D Y N V P M D K G H I T D D T R I R M L N K K S I T D M E L K D K R V L V R C D F N I P M N N G E I T D D R R I R
UniRef90_S0EYZ3	MNKKTI R DVDVNGKRVLTRVDFNVPQDTGAI T D D T RI I
UniRef90_R5KIN8 UniRef90_R9NF74	N K K T E D D V S G K K V L V R C D F N V P L K D G E T N D K R V M L N K K S V D D N V K G K K V L V R C D F N V P L I D G K T D E N R L V
UniRef90_W7TJY6	T MĀK KS ŠL A DĀDL K G K R V F V R C D L N V P L D G K T I T D D T R I R
UniRef90_M1URZ1 UniRef90_B5YE95	S R D Q D A E R G K R V F V R S D L N V P L D G K R I T D D T R I R M A K K T L D L E L K G K R V L V R V D F N V P I K N G V I T D D R R I R
UniRef90_Q5ENR8	MAKKSVGDLDLEGKRVLVRCDLNVPLDGKTITDDTRIR
UniRef90_UPI0003FC1479 UniRef90_W0IVA5	MNKKSI R DL DL K GKT V F C R V D F N V P M S E G K V T D D T R I R MAR F K T I R DL DL A G K R V F I R V D F N V P Q D K G A I T N N Q R I V
UniRef90_N1ZQZ4	MENKKSVEDLVVKGKKVLVRCDFNVPLQDGVITDENRIV
UniRef90_M2X7X4 UniRef90_U7PHZ5	T S S K K K S L K D L D L K G K R V L V R C D L N V P L D G K S I T D D T R I K S L A D K L S I E D V E L K G K R V L I R V D F N V P L N E D K V T N T Q R I A
UniRef90_UPI0004691029	MQKKTVKDI DLKGKRVFCRVDFNVPMDGTTI TDDTRI R
UniRef90_Q833I9 UniRef90_R5F4A4	MAKKTI K DV DL K DKKV L VRVD F NV PL K D GV I T N D N R I V ML N K K T V D DL DL Q G K K V L V R C D F N V PL K E G V I Q N Y N R I D
UniRef90_F0T1Q4	MNKKSIDQVDVKGKRVLVRVDFNVPLDDGKITDDTRIT
UniRef90_B1HVS1 UniRef90_R6YMC2	MLNKKTMKDI DVKGKRVFVRVDFNVPMADGVI T DETRI R SFILSKKTI DDI DVKGKRVL VRVDFNVPMKDGV I T NDNRI V
UniRef90_Q31P73	MSKRTLASLDLEGKRVLVRVDFNVPLDNGKITDDTRIR
UniRef90_I2F1G6	MSKTLTLKDIDLAGKRVLVRVDFNVPLDKGEVSDDTRIV LSSKFGLSDVQLPGKRVLMRVDFNVPIKEGVVTDATRIK
UniRef90_L1LFJ1 UniRef90_M1X0X8	MSRKTLANLDLFGKRALVRADFNVPLDDGMITDDTRIR
UniRef90_U2S5X8	THKKTVRDVEVRGKKVLLRCDFNVPQDKGAITSDKRIV PKKLSLKNVDVAGKRVFMRVDFNVPMKDGKITNNQRIV
UniRef90_Q29KX1 UniRef90_B9E6B4	NKKTI E DVDVKGKRVL VR CDFNVPLQEGKI T DENRLI
UniRef90_UPI0003700EC8	MAREITENDIVENICORRIVERA REPRINCARRIVENI
UniRef90_C4L5H7 UniRef90_R5B0T1	M N K Q S I R D I D V K G K R V F C R V D F N V P L K D G V Q D E T R I Q N K M T V R D V P L S G K K V L L R C D F N V Q D K G E I T S D K R I V
UniRef90_D5WR90	MDKÄTIRDVEVQGKRVEVRVDFNVPTEDGRVVDDGRIR
UniRef90_Q8DGP7 UniRef90_UPI00035D7EE5	M S K K S V A Q L D L E G K R V L V R V D F N V P V D K G V T D E T R I R M A K K T V E D L Q L D G K T V L V R A D F N V P M K D G K I T N D N R I Q

QUERY UniRef90_P29407 UniRef90_S8ACQ2 UniRef90_B2ZBW7 UniRef90_G4TEE4 UniRef90_D5G9D1 UniRef90_P29405 UniRef90_U6P3G2 UniRef90_U9SVR8 UniRef90_M7X689 UniRef90_M7X689 UniRef90_J6ER913 UniRef90_J6QST5 UniRef90_J6QST5 UniRef90_J1GE34 UniRef90_J1GE34 UniRef90_J1GE34 UniRef90_T1JGK5 UniRef90_T1JGK5 UniRef90_P02P38 UniRef90_F0ZP38 UniRef90_F0ZP38 UniRef90_T3GK5 UniRef90_T1JGK5 UniRef90_F6YND1 UniRef90_F6YND1 UniRef90_F6YND1 UniRef90_F6YND1 UniRef90_T6YND1 UniRef90_T1G902 UniRef90_B6AFB0 UniRef90_UP100026580F3 UniRef90_UP100026580F3 UniRef90_UP10003693517 UniRef90_UP10003693517 UniRef90_UP10003780F0560 UniRef90_UP100037E0656 UniRef90_UP100037E0656 UniRef90_UP100037E0656 UniRef90_UP100037BACD5 UniRef90_UP100037		KKKKKKKKRQKKKKKKKKKKKKKQKQRKNNKKKQKEKEKKQK-QEKQRCRKRKKKKKKENXQRKKKKKRNKQRKKKKKRNKQRKKKKKRRQKCRKKKKKKKKRNKQRKKKKKRNKQRKKKKKRNKQRKKKKKRNKQRKKKKKRNKQRKKKKKKKRNKQRKKKKRNKQRKKKKKKKK	HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	

QUERY UniRef90_P29407 UniRef90_S8ACQ2 UniRef90_B2ZBW7 UniRef90_G4TEE4 UniRef90_D5G9D1 UniRef90_V4ADA9	K E L L L L L S E K S S K K S S K K S S K K S S K K S S K K S S K K S S K K S S K K S S K K S S S K S S S K S S S K S S S K S S S K S S S K S S	90 L L G K D V L L G K P V L L D K K V Q L G K D V Q L G K D V L L K R P V	T T T T T R Q F L L L L L L L L L L L L L L L L L L	100 V G P E V E A A V G P K V E E E V G K E I E E A V G S E V E S A V G S E I E Q R	V K A S A P G S V S K A K D G S D G S V N S G S D G S V N S A S D G S V N S A S D G S A N A P D G A	120 V L L E N L V L L E N L F L E N L V L L E N L I L L E N L V L L E N L V L L E N L
UniRef90_P29405 UniRef90_U6P3G2 UniRef90_U9SVR8 UniRef90_M7X689 UniRef90_E6R9I3 UniRef90_J5QST5 UniRef90_J1GE34 UniRef90_L8G700 UniRef90_F0ZP38 UniRef90_T1JGK5 UniRef90_T1JGK5 UniRef90_O60101	SSESHERKSESSESESESSESESESSESSESSESSESSESSESSESS	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		V G P E V E A A A R E A A A R E V G P E E V E E K R A A A R E V G A A E E K V A E E K V G P E E K V E E K V G P E E E K V A A E E K V A A E E K V A E E K V A A E E K V B E E E K V B E E E K V B E E E K V B E E E K V B E E E K V B E E E K V B E E E K V B E E E K V B E E E K V B E E E K V B E E E K V B E E E E K V B E E E E K V B E E E E E E E E E E E E E E E E E E	SHASSAT KSCHCACSHISSHICHISSSSSSSSHIDT SST SST DCCHILLING COSDING CHORD COSDING CHORD COSDING CHORD COSDING CHORD COSDING CHORD COSDING CHORD CHORD COSDING CHORD C	
UniRef90_E3L4A0 UniRef90_P36204 UniRef90_P36204 UniRef90_F6YND1 UniRef90_B6AFB0 UniRef90_B5DFX8 UniRef90_UP1000265 UniRef90_C5KYR5 UniRef90_U4LP89 UniRef90_U4LP89 UniRef90_U1000369 UniRef90_M5GEV9	PELEK PVLEK A ELK K E EL C K K R L S K K R L S E E E L K K D E L K K P I L E S 80F3 G6 DL L K K P V L T E K E S 3517 PV V S K	V		V G P E E K A A A A A A A A A A A A A A A A A	V E E L P Q A G G G G G G G G G G G G G G G G G G	V F L L E N L V L L E N L V L L E N L V L L E N L V L E N L V L E N L L E N L L E N L L E N L L E N L L E N L L E N L V L L E E N L V L L E N L V F L L E N L V F L L E N L V F L L E N L V F L L E N L V F L L E N L V F L L E N L V F L L E N L V F L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V F L L E N L V L L E N L V L L E N L V L L E N L V L E N L L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L V L E N L L E N L V
UniRef90_Q7RG04 UniRef90_R4WDR4 UniRef90_E9IUG2 UniRef90_A0A023B4I UniRef90_V5SKG9 UniRef90_UP100037E UniRef90_I7J4T0 UniRef90_M7NQE6 UniRef90_I7A1P3 UniRef90_Q2RLU1 UniRef90_UP1000378 UniRef90_G8LY94	5 PIL LEE EELKK KRLESG EELEG ARLSS RELESG ACD5 KRLSS	LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL	LLLTTTKLKKKNDDDDDDDDDDDDDDDDDDDDDDDDDDDD	V G P E V E T A A A A A A A A A A A A A A A A A A	LNNAKEGGSST CQDPGGSSDCCANPAAPGGSSDCCANPAAPGGSSDCCANPAAPGGSSCDCCASSEMKENGGDCCASSEMKENGGDCCAAAALKTAD	
UniRef90_B0TGK4 UniRef90_R5XP17 UniRef90_A0A024G5 UniRef90_F6CN84 UniRef90_G2FZ20 UniRef90_L1K2C4 UniRef90_Q66PT3 UniRef90_K8DXV1 UniRef90_B9Q115 UniRef90_G9QJP4 UniRef90_G9QJP4 UniRef90_B31	RALEG RRLSE AALQE KRLSE	L L G R P V [M L G Q E V K L G <mark>C</mark> K V [K	I G P E T E A A A V G E N A K A A E A E A E A E A E A E A E A E A	VRAMEAGDDS TENMKPPGGS CSNPPQPGGS VAAAAKDDGC VAAAKDDGC	V
Uniref90_U4WMD8 Uniref90_D1AKU8 Uniref90_D1AKU8 Uniref90_M7NEC7 Uniref90_C9RL46 Uniref90_A1HSR2 Uniref90_R1AVS9 Uniref90_S0EYZ3 Uniref90_R5KIN8 Uniref90_R9NF74 Uniref90_W7TJY6 Uniref90_M1URZ1	SASTESESSSSTE KHRRKKRRRRR KHRRKKRRRRRR LLLLLLLLLLLLLL		X K R K L Y P K K A R K L Y P K K A P E A A P E A A P E A E K A P E A E K A P E A E K A R K R K F A F E L A A P E A E K A R K R K F A F E L A A P E A E K A R K A	G A E V E S A A	V Q A A L Q D G D D Q V A A A A L Q D G D D G D D Q D G D D Q V A A A A C L Q D G D D D G D D Q A A A A C L Q D G D D G D D Q D G D D Q D G D D D G D D D G D D D G D D D G D D D G D D D G D D D G D D D D G D	V
UniRef90_B5YE95 UniRef90_Q5ENR8 UniRef90_UPI0003F UniRef90_W0IVA5 UniRef90_N1ZQZ4 UniRef90_M2X7X4 UniRef90_UPHZ5 UniRef90_UPI000469 UniRef90_Q833I9 UniRef90_R5F4A4 UniRef90_F0T1Q4	D E L A R K R L S E E R L G G P E L E K	L L G K P V L L L G K K P V V L L L G K K P V V L L L G G K K K V V L L L G G V P V C L L G V C P V C C C C C C C C C C C C C C C C	K T K K V R T A T K L V C C V C V C V C V C V C V C V C V C	A A A A A A A A A A A A A A A A A A H M A A E E C A A A M H A V Q A A Q A E K K A A V A K A H A Q E A A Q E K A E S K E A A K A T A T T K D K A K N K E D K E K A A K A A A D A S E A Q A H R A E E K K S E E E N E N N A V V V L T V V A Z A K V V V L T V V A A L A A V V V V A V V A Z A K V V V L T V V A A L A A A V V V V A Z A K A S E A Q A H A A C P A V V V A Z A C P A C	S N M K E G D V T K M A N G D V T K M A N G D V E G D V A E M K D G D V A E M N N D G A M K E L S G G C A K E L S G G C	V
UniRef90_B1HVS1 UniRef90_R6YMC2 UniRef90_Q31P73 UniRef90_I2F1G6 UniRef90_L1LFJ1 UniRef90_U2S5X8 UniRef90_U2S5X8 UniRef90_Q29KX1 UniRef90_B9E6B4 UniRef90_UPl000370 UniRef90_C4L5H7 UniRef90_R5B0T1	L L L L L L L L L L L L L L L L L L L	LLMGGRPV LLLGRGRREV LLLGRGRREV LLLLGRGRREV LLLGRGREV LLGRGREV LLGRGR	K	G Q A V E K A A V G E N A K A A Q A V E A C A Q A K A C A C A C A C A C A C A C A C A C	V A A C C C C C C C C	L L L L L L L L L L L L L L L L L L L
UniRef90_N3D077 UniRef90_D5WR90 UniRef90_Q8DGP7 UniRef90_UPI00035D	R R L R E Q R L S E 07EE5 E R L S E	L L G R P V L L H K P V L L N K E V	HKVDAV AKLDD <mark>C</mark> TFLPQT	V G P E V E Q A G D A V A H R G E A L E H A	VA QUQP G F	V L L L E N V V C L L E N V

QUERY UniRef90_P29407 UniRef90_S8ACQ2 UniRef90_B2ZBW7 UniRef90_G4TEE4 UniRef90_D5G9D1 UniRef90_V4ADA9	130 R Y H L E E E G S R K V D G Q K V K A S K E D V Q K F R H E L S S L A D V Y R F H P E E E G S K D A D G K K I K A D P A K V E E F R K S L T S L A D V Y R F H I E E E G K G V N E G E K V K A D K A A V A E F R K G L T A L G D V Y R F H I E E E G S Q K T G G Q K I K A S P E A V Q K F R S Q L T A L A D V Y R F H I E E E G S G K D K D G K K T K A S E A D V K K F R E G L T N L G D V Y R F H L E E E G S S K P D G K K V K A D T E K V K E F R R S L T S L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F R L E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F H L E E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F R L E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R F R L E E G K G D M Q G K K A K A S L E N V T K F R N S L S K L G D V Y R T R T R T T T T T T T T T T T T T T
UniRef90_P29405 UniRef90_U6P3G2 UniRef90_U9SVR8 UniRef90_M7X689 UniRef90_E6R9I3 UniRef90_A8QDB7 UniRef90_J5QST5 UniRef90_I1GE34 UniRef90_L8G700 UniRef90_F0ZP38 UniRef90_T1JGK5 UniRef90_T1JGK5 UniRef90_G60101 UniRef90_E3L4A0 UniRef90_E3L4A0 UniRef90_P36204	R F H I E E E G S A K V D G Q K V K A D A E A I K K F R A S L T T L A D I Y R F Y I E E E G K C T N E G E K I K A K D E D V E K F R A S L T K L G D I Y R F H I E E E G S K D D E G N K I K A S P E D I D K F R A S L T K L G D V F R F H I E E E G S K D K E G N K T K A D A E K V K A F R A S L T K L G D V Y R F H I E E E G K G K K G D E K V K A D P E A V K K F R Q Q L T E L G T V Y R F H I E E E G K G N G N K V K A D P K K V E E F R K E L T K L G D V Y R F H L E E E G K G D A N G N K V K A S Q E N V D A F R A S L M K L G D V Y R F H L E E E G K G D S E G K K V K A S Q E N V D A F R A S L M K L A D I F R F H A E E E G S G V G D G K K F K P S G E D V K K F R D S L T K L G D V Y R F H A E E E G S G V G D G K K V K A D P A A V E A F R S S L T K L G D V Y R F H K E E E G S G L D E G N K I K A D P A A V E A F R K S L T K L G D V Y R F H L E E E G S K K D E G E K T K A S A V E A F R K S L T K L G D V Y R F H L E E E G S K K D E G E K T K A S A V E A F R K S L T K L G D V Y R F H L E E E G S K K D E G E K T K A S A V E A F R K S L T K L A D L Y R F H L E E E G S K K D E G E K T K A S A V E A F R A S L T K L A D L Y R F H P G R F H V E E E G K G V N E G E K V K A D P A K V E E F R A S L T K L G D L Y T C T C T C T C T C T C T C T C T C T
UniRef90_F6YND1 UniRef90_T1G902 UniRef90_B6AFB0 UniRef90_B5DFX8 UniRef90_UPl00026580F3 UniRef90_A0A024UQQ6 UniRef90_C5KYR5 UniRef90_U4LP89 UniRef90_UPl0003693517 UniRef90_M5GEV9 UniRef90_Q7RG04 UniRef90_R4WDR4 UniRef90_R4WDR4 UniRef90_E9IUG2 UniRef90_A0A023B4I5	140 140 140 140 140 140 140 140
UniRef90_UPI00037E0656 UniRef90_I7J4T0 UniRef90_I7J4T0 UniRef90_M7NQE6 UniRef90_Q2RLU1 UniRef90_UPI000378ACD5 UniRef90_G8LY94 UniRef90_B0TGK4 UniRef90_R5XP17 UniRef90_A0A024G5J3 UniRef90_F6CN84 UniRef90_G2FZ20 UniRef90_L1K2C4	R F Y K G R F Y K G R F H V E E E G S K D A E G N K I K A D P K D I E K F R K S L T S L G E I Y R F H P E R F H V E E E G S K D A E G N K I K A D P K D I E K F R K S L T S L G E I Y R F H P E R F Y L E E E G K K D A E G N T V K A D K A K V E E F R A A L T R L G D V Y R F H K E R F Y L E R F H V E E E G K K D A H G N K I V A S D E D V E R F R E S L S K L G D I Y R F Y P G R F H A E R F H V E E E G K G E V N G E K I K A D P A K V K D F R A S L R K L A D V Y
UniRef90_Q66PT3 UniRef90_K8DXV1 UniRef90_B9QI15 UniRef90_A0PYP1 UniRef90_G9QJP4 UniRef90_L8H831 UniRef90_U4WMD8 UniRef90_D1AKU8 UniRef90_M7NEC7 UniRef90_C9RL46 UniRef90_A1HSR2 UniRef90_A1HSR2 UniRef90_R1AVS9 UniRef90_S0EYZ3	R Y R K K G A A A A A A A A A A A A A A A A A
UniRef90_R5KIN8 UniRef90_R9NF74 UniRef90_W7TJY6 UniRef90_M1URZ1 UniRef90_B5YE95 UniRef90_Q5ENR8 UniRef90_UPI0003FC1479 UniRef90_W0IVA5 UniRef90_N1ZQZ4 UniRef90_M2X7X4 UniRef90_U7PHZ5 UniRef90_U7PHZ5 UniRef90_UPI0004691029	RFRKE RYRIE RFYPE RFYPE RFYPE RFYKE RFEPG RFEPG RFEPG RFHIEEEGKKNEDGTSTKADKAAVEAFASLSKLADVY RYRKE RFYKE ETKNDPDFARKLAANADLY EEKNDPDFARKLAANADLY EEKNDPDFARKLAANADLY EEKNDPFFAEKLAANADVY EEKNDPFFAEKLAANADVY EEKNDPFFAEKLAANADVY EEKNDPFFAEKLAANADVY RYRKE RFYTE RFYTE RFYTE RFYTE RFYPG RFFDVD GKKESGNDAFLGKYWASLGDVY
UniRef90_Q833I9 UniRef90_R5F4A4 UniRef90_B1HVS1 UniRef90_B1HVS1 UniRef90_R6YMC2 UniRef90_Q31P73 UniRef90_I2F1G6 UniRef90_L1LFJ1 UniRef90_M1X0X8 UniRef90_U2S5X8 UniRef90_Q29KX1 UniRef90_B9E6B4 UniRef90_UP10003700EC8	R F E D V D R Y R V E E T K F K D G D R F Y E E R F H A G R F R K E R F H A
UniRef90_C4L5H7 UniRef90_R5B0T1 UniRef90_D5WR90 UniRef90_Q8DGP7 UniRef90_UP100035D7EE5	R F Y P G E T K N D P E L A K G F A A L A D V Y Y R F D P R E E K N D P E F A R E L A S M A E L Y Y R F E P G E E K N D P A L A R A W A G L A D L Y Y R F H P G E E K N D P E F A K Q L A A C A E V Y Y S R F E D L D G K K E S K N D P E L G K Y W A S L G D V F Y

QUERY	DAFGTAH	170 R A H S S M	VGFDLP	180 Q R A A G F	190 L L E K E [I	KYFGKALEN
UniRef90_P29407 UniRef90_S8ACQ2 UniRef90_B2ZBW7 UniRef90_G4TEE4	DAFGTAH DAFGTAH DAFGTAH DAFGTAH			QRAAGF QKASGF QKAAGF QRAAGF		
UniRef90_D5G9D1 UniRef90_V4ADA9 UniRef90_P29405	DAFGTAH DAFGTAH DAFGTAH DAFGTAH	R A H S S M R A H S S M R A H S S M	V G V Q L P V G C E L E V G V D L S V G V K L D V G V N L P	QRAAGF QKASGF QRASGF QRAAGF	L M K K E I L L K K E I L M Q K E I	E Y F A K V L E N L E Y F A K A L E S L E Y F A K A L D N L E Y F A K A L E N L V Y F G K A L S D
UniRef90_U6P3G2 UniRef90_U9SVR8 UniRef90_M7X689	DAFGIAH DAFGTAH DAFGTAH	RAHSSM RPHSSM RAHSSM	V G V N L P V G V D L P	DRAAGE QKAAGL		L
UniRef90_E6R9I3 UniRef90_A8QDB7 UniRef90_J5QST5 UniRef90_I1GE34	DAFGSAH DAFGTAH DAFGTAH	RAHSSW RAHSSM RAHSSM	V G V N L P V G V E L P V G I K F P	QRASGF QRAAGF	L MKKEI L MKKEI	D F F S K A L E S D Y F A K V L E H E Y F G K A L G N
UniRef90_L8G700 UniRef90_F0ZP38 UniRef90_T1JGK5	DAFGTAH DAFGTAH DAFGTAH	RAHSSM RAHSSM RAHSSM	V G V N T P V G V N L P V G V K L D	QKASGF QKAAGF RR <u>A</u> AGF	L M K K E I L M K K E I L M K K E I	L E Y F A K A I E S L E Y F A K A L E S L D Y F A K A L E N L D Y F S K A L E N
UniRef90_O60101 UniRef90_E3L4A0 UniRef90_P36204	DAFGTAH DAFGTAH DAFGTAH	RAHSSM RAHSSV RAHASN	V G V D L P V G F K G E V G J A Q F	R VSGF PRLAGF PSVAGF	L MKKEL L MEKEL	
UniRef90_F6YND1 UniRef90_T1G902 UniRef90_B6AFB0 UniRef90_B5DFX8	DAFGTAH DAFGTAH	RAHSSM RAHSSM RAHSSM	V G C K L P V G V N L P	QRAAGE QRAAGE HKVAGL	T F K K E I	_ N Y F A K A L D N L E Y F A K A L E K _ E Y F G K A L E N _ D Y F A M A L E K
UniRef90_UPI00026580F3 UniRef90_A0A024UQQ6 UniRef90_C5KYR5	DAFGTAH DAFGTAH DAFGTAH	RAHSSM RAHSSM RAHSSM	V G C D L P	ERAAGF VKAAGF IRAAGL	L M K K E I L M D K E I L L A K E I	D Y F A K A L D N L V Y F S K A L D A L Q Y F G K A L E N
UniRef90_U4LP89 UniRef90_UPl0003693517 UniRef90_M5GEV9	DAFGTAH DAFGAAH DAFGTAH	$\begin{array}{c} R \ G \ H \ S \ S \ M \\ R \ A \ H \ A \ S \ T \\ R \ A \ H \ S \ S \ M \end{array}$	V G V D L P A G I E H L V G V K L D	Q R A S G F P A V A G F K R A A G F	L V K K E I L M E K E I L M K K E I	L E Y F A K A L E N T V M G N A L A N L E F F A K A L E S
UniRef90_Q7RG04 UniRef90_R4WDR4 UniRef90_E9IUG2	DAFGTAH DAFGTAH DAFGTAH	RAHSSM RAHSSM RAHSSM	V G L K L N M G D G F E M G D G F D	VKASGF ERAAGF IRASGF		EYFSKALEN TYFSKALEN - EYFSKALDN
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UniRef90_M7NQE6 UniRef90_I7A1P3 UniRef90_Q2RLU1	DAFGTAH DAFGSAH DAFGAAH	RAHSSI RAHAST RAHAST	VGVDLP VTKYID EGVHYL	QRAAGF V <mark>C</mark> AAGY PAAAGF	L M K K E I L M Q K E I L L Q K E I	D F F A K A L E N D Y L G G A I A N E T L G K A L A D D F L G E A V N K E I M G K A L S N
UniRef90_UPI000378ACD5 UniRef90_G8LY94 UniRef90_B0TGK4	HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	RAHSSM RAHAST RAHAST	V G V N L P A G A D Y L A G V A A L	RAA GY PAVCGY PAVAGF	L L K K E I	LDFLGEAVNK EIMGKALSN SIMGKALAS
UniRef90_R5XP17 UniRef90_A0A024G5J3 UniRef90_F6CN84 UniRef90_G2FZ20	DAFGTAH DAFGTAH DAFGTAH	RAHUSI RAHSSM RAHAST	V G V R V P E G V H F L E G T H V I	I RVAGL		L K F L G E A V A N L S Y F A K A L V A I T V L S Q A L S N V E F M G N A L E R L E N F S K V L D N
UniRef90_L1K2C4 UniRef90_Q66PT3 UniRef90_K8DXV1	DAFGTAH DAFGTAH DAFGAAH	RAHSSM RAHSSM RAHAST	VGEGLP AGVAAL	VKCAGF REASGF PAVAGL	L VAKEL L MEQEL	E N F S K V L D N D A F A K V L N N L N L G Q A V N N
UniRef90_B9QI15 UniRef90_A0PYP1 UniRef90_G9QJP4	DAFGTAH DAFGTAH DAFGAAH	RAHASM RAH <mark>C</mark> ST RAHAST	V G L E V P V G D F L N E G I K Y L	VRAAGL EAA <mark>C</mark> GY PAVAGF	L M K K E I L I Q K E I L M E K E I	L D Y F S K A L E C L K F L G D A V E T L E A L G N A L S N
UniRef90_L8H831 UniRef90_U4WMD8 UniRef90_D1AKU8 UniRef90_M7NEC7	DAFGTAH DAFGTAH	R P H S S M R A H A T T R A H A S N	VGVDLP AGIQHI VGISHL	PAVAGL ETAAGF	L M E K E I L M E K E I L M E K E I	LKHFAELLEK QFMGGALSK LEFIGGVVNN
UniRef90_C9RL46 UniRef90_A1HSR2 UniRef90_R1AVS9	DAFGTAH DAFGVSH DAFGTAH	RDHSSM RAHASV RAHASN	T G V E L P E G I T K F V G V E H L	Q R A A G F P MV A G F P S A A G F		VEFNGNALLER LENFSKVLDNNN CHIPSKALLET LDNLGSKALLET LLSKHFGGVVLSKN EFULGNALLSKN EFULGNALLSKN EFULGNALLSKN EFULGNALLSN LENFGGQGAAVSSS LKAFLGGNALLSN EFULGNALLSN EFULNSN
UniRef90_S0EYZ3 UniRef90_R5KIN8 UniRef90_R9NF74	D A F G T A H D A F G T A H D A F G T A H	RAHAST RAHCST RAHCSN	A G V Q Y L T G V A A L V G Q F V D	PAVAGF PAV <mark>C</mark> GY TAVVGY	L M E K E I L I Q K E I L M Q K E I	L DYLGDALAN TFMGGALSD DFLGNAVNN
UniRef90_W7TJY6 UniRef90_M1URZ1 UniRef90_B5YE95 UniRef90_Q5ENR8	DAFGTAH DAFGTAH DAFGTAH	RAHGST RAHAST RAHAST	V A K F L K V T A F L K A G V Q Y I	PAVAGF PAVAGE PGVAGL		L D Y L D G A V S Q L D Y L S N A I E S I E I M G K A L E S
UniRef90_UPI0003FC1479 UniRef90_W0IVA5 UniRef90_N1ZQZ4	DAFGAAH DAFGTAH DAFGSSH	RAHAST RAHSSM RAHCST	E G V R H L V G V N L P V G K Y V K	PSVSGL AKAAGV ESAVGY		_ D V L G Q A L T T _ T A F A K V L D N _ N F L G N A V N N
UniRef90_M2X7X4 UniRef90_U7PHZ5 UniRef90_UPI0004691029	DAFGSAH DAFGTAH DAFGAAH	RAHAST RAHSSM RAHAST	VTQFIR VGIDLP EGIHHL	P A V A G F Q K A A G F P A V A G F	L L E K E I L L K K E I L M G K E I	_
UniRef90_Q833I9 UniRef90_R5F4A4 UniRef90_F0T1Q4 UniRef90_B1HVS1	D A F G A A H D A F G T A H D A F G T A H D A F G T A H D A F G A A H D A F G S A H	KAHASN RAH <mark>C</mark> SN RAHAST RAHAST	V G V T R F E G I G F L	T K V V G Y P A Y A G F	L MEKEI L MKKEI	KFI GEAVEN RFLGQAVEN VEI MGKALEN LDVLGKALSN
UniRef90_R6YMC2 UniRef90_Q31P73 UniRef90_I2F1G6	DAFGSAH DAFGSAH DAFGTAH	RAHCST RAHAST RSHASN	VTDHIK VTEYLS VGVRYI	DTAVGY PCVAGY	L MSKEI L LEKEI L MOKFI	L D V L G K A L S N E F L G N A V E N L Q Y L Q A A I D N E M L G M A I E N
UniRef90_L1LFJ1 UniRef90_M1X0X8 UniRef90_U2S5X8	DAFGTAH DAFGTAH DAFGAVH	RAHAST RAHAST	V G V D L P V T K Y L S A G V A A L	LRVAGH PSVAGY PAVSGF	L M K R E I L I E K E I L I Q K E I	E F L G N A V E N
UniRef90_Q29KX1 UniRef90_B9E6B4 UniRef90_UPI0003700EC8	DAFGTAH DAFGTAH DAFGSSH	RAHSSM RAHCST RAHASV	MGEGYK VGKFLP VTRFLQ	VRAAGF TAV <mark>C</mark> GY PAVSGY	L M D K E I	LEYFAKALQE LEFLGNAIEN KYLEESIND
UniRef90_C4L5H7 UniRef90_R5B0T1 UniRef90_D5WR90 UniRef90_Q8DGP7	DAFGAAH DAFGTVH DAFGAAH	RAHAST RAHAST RAHAST	EGHHVD AGVAAL AGAQFL	PAYAGL PAVAGL		_ E V
UniRef90_Q8DGP7 UniRef90_UPI00035D7EE5	DAFGTAH DAFGTAH	R E H A S N	V G I S H L	DSAVGF	LIQKEI	K F L G G A V D H

QUERY UniRef90_P29407 UniRef90_S8ACQ2	PTRPFLA PERPFLA PERPFLA	210 L G G A K V A D K L G G A K V S D K L G G A K V S D K L G G A K V S D K	220 Q	L L D K V N A L I L I P K V D K L I	240 I G G G M A F T I G G G M A F T I G G G M A F T
UniRef90_B2ZBW7 UniRef90_G4TEE4 UniRef90_D5G9D1 UniRef90_V4ADA9 UniRef90_P29405 UniRef90_U6P3G2 UniRef90_U9SVR8 UniRef90_M7X689	AAAAAAAAAAAAAAAAAAAA	I L G G A K V S D K I L G G A K V S D K I L G G A K V S D K I L G G A K V S D K I L G G A K V S D K I L G G A K V S D K I L G G A K V S D K		L L D K V D L L I ML D K V D S L I L I P K V D S L I L L D K V N E MI ML D K V N E MI ML D K V N E MI	V G G G M S F T V T G G M A F T I C G G M A F T I A G G M A F T I C G G M A F T
UniRef90_E6R9I3 UniRef90_A8QDB7 UniRef90_J5QST5 UniRef90_I1GE34 UniRef90_L8G700 UniRef90_F0ZP38 UniRef90_T1JGK5	P E R P F L A P D R P F L A P E R P F L A P E R P F L A P E R P F L A P D R P F L A P D R P F L A	I L G G A K V S D K I L G G A K V A D K I L G G A K I S D K I L G G A K V K D K I L G G A K V H D K I L G G A K V S D K I L G G A K V S D K I L G G A K V A D K	Q	L L D K V D S M I M L D Q V N T L I M L D K V N M L I M L D K V N K L I L L D K V D I M I L L G K V D E M I M L D Q V N E M I	
UniRef90_O60101 UniRef90_E3L4A0 UniRef90_P36204 UniRef90_F6YND1 UniRef90_T1G902 UniRef90_B6AFB0 UniRef90_B5DFX8 UniRef90_UP100026580F3	P A R P F L A P E P P F L A P E R P F L A P E R P F L A P N R P F L A P A R P F L A	I L G G A K V A D K I L G G A K I S D K V L G G A K V S D K I L G G A K V A D K I L G G A K V K D K I L G G A K V K D K I L G G A K V K D K	I Q L I E N I G V I T N I Q L I K N I Q L I E N I Q L I K N	ML S K V N E M I L L D K V D E M I L L S K V N M M I	I G G G M A F T I A G G M A F T
UniRef90_A0A024UQQ6 UniRef90_C5KYR5 UniRef90_U4LP89 UniRef90_UPI0003693517 UniRef90_M5GEV9 UniRef90_Q7RG04 UniRef90_R4WDR4	P E R P F L S P E R P F L A P E R P F T A P E R P F T A P Q R P V L A P E K P F L A	I L G G A K V K D K I L G G A K V K D K V L G G A K V K D K I L G G A K V S D K I L G G A K V S D K I L G G A K V S D K I L G G A K V S D K I L G G A K V A D K I L G G A K V A D K		ML D K V D E MI ML D K V D M MI L I P K V D S L I L L T K V D R L I ML D K V D R MI L L D K V S E MI	IGGGMAFT
UniRef90_E9IUG2 UniRef90_A0A023B4I5 UniRef90_V5SKG9 UniRef90_UPI00037E0656 UniRef90_I7J4T0 UniRef90_M7NQE6 UniRef90_I7A1P3 UniRef90_Q2RLU1	P E R P F L A P K R P F L A P E R P F T A P E R P F T A P E R P F T T A P E R P F T T A	I L G G A K I A D K I L G G A K I R D K I L G G A K V A D K I I G G A K V S D K I L G G A K V S D K I L G G S K I S G K I L G G A K V S D K	I Q L I E N I Q L I E N I G V I D H I G V I N N I Q L I D N	ML D K V D E MI L L D K V D E MI L L D K V D N L I L L E K V D K L I L L P K V D N L I	I G G G M A Y T I G G G M A F T I G G G L A Y T I G G G M A Y T I C G G M A Y T I G G G M A Y T I G G G M A Y T
UniRef90_UPI000378ACD5 UniRef90_G8LY94 UniRef90_B0TGK4 UniRef90_R5XP17 UniRef90_A0A024G5J3 UniRef90_F6CN84 UniRef90_G2FZ20	P V R P F V A P E R P F V A P E R P F T A P D R P F L S P T R P F V A P E R P F V A P T K P V L A	I MGGAKVADK I L GGAKVSDK I L GGAKVSDK I L GGAKVSDK	DV E A AV E N AV D N NV NQ QL LN GV E N	L L P K V D K L L L I D K V D T L I L L T K V D T L I L L D K V D N L I ML D K V D A L I	I G G G M A F T I G G G M A Y T I G G G M A Y T I G G G M A Y T I G G G M A Y T I G G G M A Y T
UniRef90_L1K2C4 UniRef90_Q66PT3 UniRef90_K8DXV1 UniRef90_B9QI15 UniRef90_A0PYP1 UniRef90_G9QJP4 UniRef90_L8H831 UniRef90_U4WMD8	P V R P V L A P A R P F V A P E K P F L A P V R P F T A P E R P F L S	I	I	L L D K V D K M I L L N K V D T L I M L D R V Q M M I L L E K V D T L I L L D K V D N L I L L D K V D E M I	I G G G M A F T I G G G M A N T V A G G M A F T I G G G M A Y T I G G G L A Y T I G G G M A Y T
UniRef90_D1AKU8 UniRef90_M7NEC7 UniRef90_C9RL46 UniRef90_A1HSR2 UniRef90_R1AVS9 UniRef90_S0EYZ3 UniRef90_R5KIN8	P A R P L V A P E R P F T A P P R P F V A P E K P F V A P K R P F V A P K R P L V A	I L G G A K V S D K I I G G A K V K D K I L G G A K V S D K I L G G A K V S D K I L G G A K V K D K I L G G A K V S D K	GV EN GV DH QL NN GV EN GV RS GV TN	L E K A D K L L L D K V D H L L L L D K A D K I L L D K V D T L I L L D K V D A L V L L D K V D T L I	. L G G G <u>L</u> S Y T I G G G M A F T I G G G M A N T 'I G G G M M F T I G G G M A Y T
UniRef90_R9NF74 UniRef90_W7TJY6 UniRef90_M1URZ1 UniRef90_B5YE95 UniRef90_Q5ENR8 UniRef90_UPl0003FC1479 UniRef90_W0IVA5 UniRef90_N1ZQZ4	P E R P F V A P K R P F A A P E R P F I C P K R P F A A P E R P F T A P O R P I L A	V GGSKV STK V GGSKV STK L GGAK V SDK V GGSKV SSK V GGAK V KDK	I T V I E T I A V L E K I G V I K N I G V I E S I G V I D N	L I N K V D K L V L L Q K C D T I I L M T K V D G F L L M E K V D K I V L L D K V D N L I	/ I G G G M V F T I G G G M V F T T I G G G M V F T T I G G G M V F T I G G G M A F T T V G G G M A F T T V G G G M A F T T T T T T T T T T
UniRef90_M2X7X4 UniRef90_U7PHZ5 UniRef90_UPI0004691029 UniRef90_Q833I9 UniRef90_R5F4A4 UniRef90_F0T1Q4 UniRef90_B1HVS1	P E R P F A A P K R P F L A P E R P F V A P F V A P E R P F V A P E R P F V A P E R P F T A P E H P F T A	I I G G S K V S S K I L G G A K V R D K I I G G A K V S D K I L G G A K V S D K I I G G A K V S D K I I G G A K V S D K	I	L	I VIG GILIS Y I I I G G G M A Y T
UniRef90_R6YMC2 UniRef90_Q31P73 UniRef90_Q12F1G6 UniRef90_L1LFJ1 UniRef90_M1X0X8 UniRef90_U2S5X8 UniRef90_Q29KX1 UniRef90_R9E6E4	P V R P F V A P Q R P L A A P E H P Y V V P Q R P F V S P Q R P L T A P K R P L V A P V K P F L A	I L G G A K V A D K I V G G S K V S S K I L G G A K V R D K I I G G S K V S S K I L G G S K V A D K	GV	L L D K C D K L L L L E K A D R I L L I E K V D A L I L L E K C D K L I L L N I A D T I I L L N N V S V MI	I GGGMIFT I GGAMMFT I GGGMAYT I GGGMAYT VAGGMAYT
UniRef90_B9E6B4 UniRef90_UPI0003700EC8 UniRef90_C4L5H7 UniRef90_R5B0T1 UniRef90_D5WR90 UniRef90_Q8DGP7 UniRef90_UPI00035D7EE5	PERPFVA	I	I G V I E N		I G G G M A Y T I G G G M A N T I G G G M F T

QUERY UniRef90_P29407	280 280 280 280 280 280 280 280 280 280
UniRef90_S8ACQ2 UniRef90_B2ZBW7 UniRef90_G4TEE4 UniRef90_D5G9D1	FKKVLNGMNIGKSLYDQAGAEKVESLMKKAKEHNVEVLLPFKKVLDNMAIGDSLFDEAGSKNVEHLVAKAKKNGVKIVLPFKKTLNGMKIGNSLFDEPGSEKVAALVEKAKSKNVKLVFPFKKTLEGVKIGNSLFDEEGARTVGEVIEKARKHGVEVVLP
UniRef90_V4ADA9 UniRef90_P29405 UniRef90_U6P3G2 UniRef90_U9SVR8	FIKVLEDMEI GTSLFDSDGAKIVKKLMEI AEKNKVTI HLP FKKTLDNVKI GKSLFDEPGSKLVQNLVKKAAEKNVKI VFP FLKVDKNVEI GNSLFDEEGAKI VKDLLAKAKEKNVQI HLP
UniRef90_093VR8 UniRef90_M7X689 UniRef90_E6R9I3 UniRef90_A8QDB7	F K K T L D G V S I G N S L F D E P G S Q K V K A L V E K A K Q K G V E L V F P F K K T L N N V E I G T S L F D E A G S K Q V K D L V E K A K K N N V K L V F P F K K V V N N M A I G N S L Y D E E G A K K V N D L M A K A K Q N N V E V F F P
UniRef90_J5QST5 UniRef90_I1GE34 UniRef90_L8G700 UniRef90_F0ZP38	FKKTLEGVNI GSSLFDEDGAKVVGDI VKKAKEKNVELT LPFLKKLNGMEI GDSLFDQDGSNI VDDVMSKAKAKGVKMVEPFKKTLEGVKI GNSLFDEAGSKI VGDL VEKAKKNNVKL VLPFKKYLENLEGSSL FKDAFOLTKNI LAKAOKNNVKL HEP
UniRef90_T1JGK5 UniRef90_O60101 UniRef90_E3L4A0	FLKVLNGMNI GSSLFDDDGAKI VQRLMDKAKSNNVTMHLP FLKVLNGMKI GDSLFDEAGSKNVESMMAKAKKNNVEVFLP FKKMLDSVEI GNSLFDEDGSKKVHDLVAKAKKNNVELIFP
UniRef90_P36204 UniRef90_F6YND1 UniRef90_T1G902 UniRef90_B6AFB0	F K K M L D S V E I G N S L F D E D G S K K V H D L V A K A K K N N V E V I L F P F L K A L G K E V G S S R V E E D K L D L A K E L L E K A K E K G V E I V L P F L K V L N N M K I G S S L Y D E E G A K I V Q E L M D K A K E L N V K I H L P F K K V I D E M Q I G E S L Y D E E G A K I V K D I L E T A A L R K V Q I I L P F L K V L N N M E I G N S L Y D E E G A K I V K D I L E T A A L R K V Q I I L P F L K V L N N M E I G N S L Y D D E G A K I V K D I L E T A A L R K V Q I I L P F L K V L N N M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N C M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N C M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N C M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N C M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N C M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N C M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N C M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N C M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N M E I G N S L Y D D E G A K I V K E L M A K A E K N K V K I N L P F L K V L N N M E I C N N N N M E I C N N N M E I C N N N M E I C N N N M E I C
UniRef90_B5DFX8 UniRef90_UPI00026580F3 UniRef90_A0A024UQQ6 UniRef90_C5KYR5	FLKVLNNMEI GNSLYDDEGAKI VKELMAKAEKNKVKI NLP FLKI NKGMKI GTSLFDEDGAAI VEKLLAKAKQNNVTI HLP FKKVI DSMDI GSSLFDEDGAKI VEDI VAKAKERGVKLH P FIKTI YNTPI GNSLFDEFGSKI VPDI MKKAKDKGVKL L
UniRef90_U4LP89 UniRef90_UPl0003693517 UniRef90_M5GEV9	FKKTLEGVAI GNSLEDEAGSKTVGDLVQKAKEHNVKI I LPFLAGLGY QLGKSLVETDKI GQAKELVDRAKERGVDLLLPFKKVLENVAI GNSLEDKDGAEKVAALMEKAKSRNI KVVEP
UniRef90_Q7RG04 UniRef90_R4WDR4 UniRef90_E9IUG2 UniRef90_A0A023B4I5	F K R V L K N M E I G D S L F D E A G S K I V N E I M E K A K S K N V Q I C L P F L K Q L H S M N I G N S L Y D E K G A E I V P K L M N K A K T N G V T I H L P F L K V S K D M K I G N S L F D E E G A K I V N D L L D K A K K N N V Q I H L P F L K E L E G M K I G T S L Y D E E G A K I V P K I M E K A K A K N V K I T L P
UniRef90_V5SKG9 UniRef90_UPl00037E0656 UniRef90_I7J4T0 UniRef90_M7NQE6	FLKVLNNMNI GSSLFDEEGAKI VPKLVEKAKAKNVQLHLPFVK AQGHEVGKSLLEEDKLDLARQFMKKAEEKGVKFLMPFLK AQGKSLLEEDKLEYAKEMLEKAQTKGVKI YLPFKLK AQGKOLNI GNSLLEEDKI EYAKEMLEKAKNNNVKI VEP
UniRef90_I7A1P3 UniRef90_Q2RLU1 UniRef90_UPI000378ACD5	FKKILEDMEI GTSLFDKVGAENVKFLVEKAKNNNVKIVFPFYK AMGYELGKSLLEEEKIDLAKEMLEKFKTSGKNVLLPFLK AQGYAMGKSLVEEDQVPLAQELIQLAAQKGVKMLLPFLK AQGKEIGNSICENDKIELAKALMAKAG DKLVLPFLK AQGKEIGNSICENDKIELAKALMAKAG DKLVLP
UniRef90_G8LY94 UniRef90_B0TGK4 UniRef90_R5XP17 UniRef90_A0A024G5J3	FFK AKGYNI GTSI CEDDKVELAKSL LEKAQSKGVKL LLPFF YALGREVGRSLCEKDKADTARQL LNKAKASGVRFLLPFLKS QGYEI GDSL LEADKVDYAKEMI EKAEAKGVKLYLPFKKVMDGMSI GDSLYDEEGAKI VTSI VEKAKAKNVSLHLP
UniRef90_F6CN84 UniRef90_G2FZ20 UniRef90_L1K2C4 UniRef90_Q66PT3	FLA ARGFALGKSLLEADRVVLARDLMARAEKAGVKLLLPFLK AQGYNVGKSLLEEDKVDLAKQLIEKAKAKGVELELPFLKVLDKMEIGTSLYDEEGAKIVPEIMSLAKEKNVEIVLPFOKVINNMALGSSLYDFAGAKIVPEIMAKAKAKGVEIVLP
UniRef90_K8DXV1 UniRef90_B9QI15 UniRef90_A0PYP1	F L R A Q G C P T G N S L V E E D K V E V A G E L M E R A R N R R V S L L L P F K K V L D N M P I G D S L F D E E G A K I V P D I M A K A K A K G V E M L F S F L K A Q G Y T I G K S L V E E D K V E Y A K E M M D K A K A K G V K L L L P
UniRef90_G9QJP4 UniRef90_L8H831 UniRef90_U4WMD8 UniRef90_D1AKU8	FKKVVYNVEI GKSI FDE GGAKI VKDI WAKAEKNGVIKLHFP FIK AQGYNVGASLCEEDKLDLARTLMEQAKERNVNLLMP FLK AQGKNI GSSLLEEDKVELAKQLLEKAKANGKELVLP
UniRef90_M7NEC7 UniRef90_C9RL46 UniRef90_A1HSR2 UniRef90_R1AVS9	FTK AQGHDVGNSLVEEDKIDLAKSFIQKAGEKGVKLHIPFKKVLNNIELGSSLFDEEGAKLVPDLMAKAKAAGKEIILPFLRAQGFATGKSLVEEDKVELAATLIDQAKAKGLKLLLPFLKAKGLNLGKSLLEEDKIDLAKELIKKAEEKGVKLLLP
UniRef90_S0EYZ3 UniRef90_R5KIN8 UniRef90_R9NF74 UniRef90_W7TJY6	FLK AKGLEVGRSLLDEQNLAFCQEVLEKAGSKLLPVDV FMKSLGH HIGTSLLEEDQVENAGKMMEEAKAKGVNFLIP FSK AQGGSVGGSLLEADYCEYALNMLKKAEKGVKLLLP
UniRef90_M1URZ1 UniRef90_B5YE95 UniRef90_Q5ENR8	FLR ARGUKTGSSLVEEDKIELARVIEEEARKRGIELLP FLKALGY ETGKSIVEDDKLELAKEIMNMAKERGVEFLLP FLK ARGUETGSSLVEEDQLELAKKLEVIAKEKGIDFLLP
UniRef90_UPI0003FC1479 UniRef90_W0IVA5 UniRef90_N1ZQZ4 UniRef90_M2X7X4	F V K A K G Y E I G K S L L E E D K L D L A K D F M K K A E D Q G V Q F Y M P F K K V I N H ME I G N S L F D A E G A K L V P E L V E K A R A R G V K I V L P F A V A Q G G K V G N S L L E A D K V E Y A K E M M K K A E E K G V K F L I P F L K A R G L S V G S S L V E E D K L Y L A K E I E Q M A A Q K K V E L I F P
UniRef90_U7PHZ5 UniRef90_UPl0004691029 UniRef90_Q833I9 UniRef90_R5F4A4	FKKVLDNVAII GNSLEDEEGAETVPELMAKAKKNNVKVVFPFIK AQGHSVGNSLLEEDKIELAKSFIAQAKEKGVNLMLPFMK AQGYSVGLSLLEEDKVDLAKSLMEKA GDKLVLPFAK AQGOFIGNSI GFADKI DYAIFMUKKAFFKGVKI I
UniRef90_F0T1Q4 UniRef90_B1HVS1 UniRef90_R6YMC2	F L K A G G V E L V L P P F L K A C G G V E L V L P P F L K A C G G V E L V L P P F L K K A C G G C P T G G K S S L V D E D K K D L V L P E D K K G G V E L V L P P F L K K V L D N N M C S S S L V D E D C K V L D L V R C G G C V E L V L P P F L K K V L D N N M C S S S L V D E D C K V L D L V L D E D C K V L L L L L P P F L K K V L D N C S S S L V D E D C K V L D L V L L L L L P P F L K K V L D N C S S S L V L D E D C K V L L L L L L L P P F L K K V L D C G C S S S L V L D E D C K V L L L L L L L P P F L K K V L D C G C C C C C C C C C C C C C C C C C
UniRef90_Q31P73 UniRef90_I2F1G6 UniRef90_L1LFJ1 UniRef90_M1X0X8	FYK AQGLSVGGSLVEEDKLDLARSLMAKAQEKGVQLLLPFLK AQGKSVGDSLVEEDKIDLARSLLMAKAQEKGVQLLLPFKKVLNGMPIGESLFDEESVEIIGKIVEKCKQFKVDLHLPFYK ARGLNVGKSLVEEDKLELAKSLEEKARAKKVTFLLP
UniRef90_U2S5X8 UniRef90_Q29KX1 UniRef90_B9E6B4 UniRef90_UPI0003700EC8	FSA AQGGKVGDSLLEADWESYANEMVEKAKEKGVKLLLPFLKVLNSMEIGKSLFDEKGAAMVPEIMAKAQEKKVNIILPFARAQGYTIGTSVVEEDKIEYAKEMIDKAKEKGIKLLLPFYKAKEMIDKAKEKGIKLLLP
UniRef90_C4L5H7 UniRef90_R5B0T1 UniRef90_D5WR90	FSKALGH EVGTSLLEEDKUDLARGEKAEDKGVKFLMP FIK AQGGELGTSLLEADKMDYALEMIRKAKDRGVKLLLP FLA ARGYRMGSSSVEEDRLETARETLRAAEGRGTALLLP
UniRef90_Q8DGP7 UniRef90_UPI00035D7EE5	FYK ARGLNVGKSLVEEDKLELAKHLETKAQEKGVELLLPFFK AQGKEVGNSLLEADKVDLAKSIMEKA GGKLVLP

QUERY	290 300 310 VD F I J A D A F S A S A N T K T VT D K E G I P A G W Q G L D N G P E S R	
UniRef90_P29407 UniRef90_S8ACQ2 UniRef90_B2ZBW7 UniRef90_G4TEE4	V D Y V T A D K F S K D A K V G H A T D A E G I P D G W Q G L D C G P K S L V D F V T A D K F A K D A E T G T A T E E D G I P D E W M G L D C G P K S L V D F V T A D K F D K D A N T S Y A T E E E G I P D K W Q G L D C G P K S L V D Y V T A D K F D K D A Q V G E A T D D S G I P D G W L G L D V G P K T S V D Y I T A D K F S K D A Q V G Y A T D E Q G I P D G W M G L D C G E K S L	E I E L K L
UniRef90_D5G9D1 UniRef90_V4ADA9 UniRef90_P29405 UniRef90_U6P3G2	V D Y I T A D K F S K D A Q V G Y A T D E Q G I P D G W M G L D C G E K S I V D F I T G D K F S E D A T V D T A T L I S G I S A G E M G L D I G L K T R V D F I T A D K F A P D A S T G Y A T D D D G I P D G W Q G L D C G E R S N V D F V I G D K F A E D A T A K T V T M E E G I P A G H M G L D V G P K S E V D Y V T G D K F D K D A N T G Y A T D E T G I P D G W L G L D S G K K T N	KL
UniRef90_U9SVR8 UniRef90_M7X689 UniRef90_E6R9I3	V D Y I T A D K F D K D A N T S T A T D S E G P D G W M G L D A G E E S R V D Y V T A D K F D K D A K T G S A T D E S G P S D W M G L D C G P K S R	E L K K E L
UniRef90_A8QDB7 UniRef90_J5QST5 UniRef90_I1GE34 UniRef90_L8G700	V D Y V A G S S F S N D A E R K T V T D K E G I P D G WM G L D C G P E T N V D F V T A D K F D K D A N T G S A T V E S G I P A G WM G L D C G P N S N V D Y II T G D K F S P D A K T G T A T D E L G II P D G WM G L D A G P K S II	K I T L
UniRef90_F0ZP38 UniRef90_T1JGK5 UniRef90_O60101 UniRef90_E3L4A0	VDFVLADKFAKDAQSKTVTQEEGI PAGWMGLDCGPKTNITDFVTGNKFSEKAETGTATLSTGI PDGWMGLDVGPEST	K V A K
UniRef90_P36204 UniRef90_F6YND1 UniRef90_T1G902	V D A V L A Q K L E P G V E K K V V R I D D G I P E G W M G L D I G P E T L V D F I T A D K F C E D A K V G A A T V E E G I P D S W L G L D I G P E S C V D F I T G D K F A E D A A V G C A C L E S G I N D D L L G M D V G P K T G	E L K N D <u>D</u>
UniRef90_B6AFB0 UniRef90_B5DFX8 UniRef90_UPI00026580F3 UniRef90_A0A024UQQ6	V D F II T A D K F D E H A Q T G T A T V A A G II P A G W M G IL D C G P E S N V D F V T A D K F D E N A T V G S A T V F T G II P D G W M G II D C G P K S II	E <u>Q</u>
UniRef90_C5KYR5 UniRef90_U4LP89 UniRef90_UPI0003693517 UniRef90_M5GEV9		A R
UniRef90_Q7RG04 UniRef90_R4WDR4 UniRef90_E9IUG2		E S R I D L
UniRef90_A0A023B4I5 UniRef90_V5SKG9 UniRef90_UPI00037E0656 UniRef90_I7J4T0	V D V T V A D D F G E H A N T K T V P V N E I P A D WE AL D V G P K T T V D V V A K E F K A D A E H M T V D V E I P E G Y M G L D U G P K T I	Q A E A E L K L
UniRef90_M7NQE6 UniRef90_I7A1P3 UniRef90_Q2RLU1 UniRef90_UPI000378ACD5	V D F II T A D K F D K D A K T G Y T T D K E G II A A D L M G L D C G H K S II K D N V V A P E F N N D A P A E V V D S D K II P A D K M G L D I G P K T L R D L V V A Q E F K A D A P H Q V V A V N A V P D G W M A L D I G P E T A	E L E A R A A Q
UniRef90_G8LY94 UniRef90_B0TGK4 UniRef90_R5XP17	V D N V V G L E F K N D T E F K V V A S D S	E A A L E K
UniRef90_A0A024G5J3 UniRef90_F6CN84 UniRef90_G2FZ20 UniRef90_L1K2C4	V DL V VA E A A R P E A E P R V V P A D A V P E E W M A L DI G P K T V I DV V V A K A F A A D A P H R T V S V S E I L D D E M A L DI G Q A S A V D E V V S S K F G F D G F D G F S E	E S A K
UniRef90_Q66PT3 UniRef90_K8DXV1 UniRef90_B9QI15 UniRef90_A0PYP1	V D F V T S S K F G E D G E G T A T E S G P D G M	A L A Q E K A I
UniRef90_G9QJP4 UniRef90_L8H831 UniRef90_U4WMD8	II DIV V VIA D D F S E T A N T KIV V S II D E E II P S D WE A L DII G P E T S V D Y V T A D K F S K D A Q V G Q A T D D E G II P E G W Q G L D V G P K S R V D V V V A D K F A A D A N T O V V S II D A D F G W M A II D II G P K T V	K K A L A N
UniRef90_D1AKU8 UniRef90_M7NEC7 UniRef90_C9RL46 UniRef90_A1HSR2	D T V V A K E F K N D T E F K T V S V D A I E D G WM G L D I G A D S I T D A V V A S E F K A D A E T R T V S T D S I P E G WM G L D I G P E T A V D Y I A A D K F A A D A A T K A V S D A E G I P A G WM G L D V G A E S T T D V V I A D R F A A D A A WR V A G V A E I D P E WM V L D I G P E T A V D T V V A K E F K N D T E F K T V S V E E I P E D M M G L D I G E E T C	A E K L K A
UniRef90_R1AVS9 UniRef90_S0EYZ3 UniRef90_R5KIN8 UniRef90_R9NF74	V VIT N A N F E T G E E A C Q T Q V V D V E H I P S D WE G A D I G P K T I U D N K V G K E Y D E N T E A M V V N S D E I P D G W M G L D I G P K T Q V D T V I A D D F S N D A N S K V V K A G F I P F G W O G I D I G P D T V	FV
UniRef90_W7TJY6 UniRef90_M1URZ1 UniRef90_B5YE95 UniRef90_Q5ENR8	T D V V I A D K F A P D A N S K V V A S T E I P E G W M G L D N G P E S T L D V V V A D K F A N D A N T K V V P V E E I P D G W M G L D N G P E T T K D A V V V K E I K E D A P T S I K D V D K F E K D D I G V D I G P K T I T D V I V A D K F A A D A A T Q I V S V D A I P E G W M G L D N G P E S T	K M
UniRef90_UPI0003FC1479 UniRef90_W0IVA5 UniRef90_N1ZQZ4	L DVTVADDFSRDANTKVV NI DNI PSDWEAL DI GPKTI VDYVI ADKFAADAASKTADDASGI PAGWMGL DI GPKSI	D T A L E I
UniRef90_M2X7X4 UniRef90_U7PHZ5 UniRef90_UPI0004691029 UniRef90_Q833I9	V D T V I T K E F K N D T E Y K T V P T K E I P D D W Q G L D I G E K S R L D L L V A D K F D N H A N V K T V S F S Q I E E G W M G L D C G P A T I V D Y V T A D K F D K E A K T G S A T D A E G I P D G W M G L D C G P Q S S V D A V V A D E F S K T A T T Q V V S V E D I P E G W E G L D C G P Q S I V D T V V S K E F S N D A P F H T V P S T E I P D D E E G L D I G E K T I V D H V E G K E F S N D T E H K V V D V I D A G W S G F D I G P K T I T D V V A A K D F A P D A Q S R I T S V K E I A L D E Q A L D I G P D S A	E M K L D L E L
UniRef90_R5F4A4 UniRef90_F0T1Q4 UniRef90_B1HVS1	DAVVANEFSQDAETKVV DVDAI PADWMGLDI GPKTA	A L A K A <mark>H</mark>
UniRef90_R6YMC2 UniRef90_Q31P73 UniRef90_I2F1G6 UniRef90_L1LFJ1	V D V V V A D K F A P D A N A K T V A I D A I P D G WM G L D I G P E S V V D T V I A K E I A A G S E S K V V D L E E G V P A G W K G L D I G P S T I V D F K V T T D F S N D T P T K F V D D S E G V P D G WM G L D C G P K T V	K Q E L E A
UniRef90_M1X0X8 UniRef90_U2S5X8 UniRef90_Q29KX1 UniRef90_B9E6B4	T DIV V VA D N F A P D A N Y K T V S A N D I I P D N WM GL DII G H E S V V D T V C A D A F A P D A K S Q V V K A G E I P D G W Q GL DII G P E T V V D F V C A N K D K N P R V E S V D A K Q G I P K E M M G L D V G K D S I D R V V T D K F D F S A F P I I I F D D K N I K D G Y M G M D I G P K T A	E I K L E I
UniRef90_UPI0003700EC8 UniRef90_C4L5H7 UniRef90_R5B0T1	MDSVVAKEFKNDAEHKVV DEKGIEDGWMALDIGPESA VDCVITKEFGEETYVGPV DIDSIPADHMGLDIGPKTV VDTMAGDQFAADCARKVVP TNAIPADWMGLDIGPKTI	L S E L Q L
UniRef90_D5WR90 UniRef90_Q8DGP7 UniRef90_UPI00035D7EE5	V D L V I A D R F S A D A Q R R T V R V E A G V P E G WM A L D I G P E T V T D V V V A D N F A N D A N S Q V V S I E A I P D D WM G L D I G P A S V V D T V V A Q A F D N D A P S K V V S G D I P E G F E G L D I G P E T L	KR

	330 340 350 360
QUERY	FAATVAKATVI LWNGPPGVFEFEKFAAGTKALLDEVVKSS FQKVI GESKTI LWNGPPGVFEFDNFAKGTKAVLDA <mark>C</mark> VKAV
UniRef90_P29407 UniRef90_S8ACQ2	FKKAII DESKTII LWNGPAGVIFEFDAFAKGTKAV LIDA OVIKAV
UniRef90_B2ZBW7	F N A T V A E A K T I V W N G P P G V F E F D K F A K G T K A L L D A A V K S A
UniRef90_G4TEE4 UniRef90_D5G9D1	Y R D T V L E S K T I L W N G P A G V F E F P N F A R G S K D L L D A N I E A A C K G T I A K A N T I L W N G P A G V F E F D N F A K G T K A M L D A T V E A A
UniRef90_V4ADA9	F S E V I G R A K T I V W N G P P G V F E F P N F S D G T K E M M K A V V A A T
UniRef90_P29405 UniRef90_U6P3G2	F R E E L K S K T V W N G P S G V F E F D A F S S G T K A V L D A V I N A T F A A A V A R A K T V W N G P P G V F E F D K F S H G T K A L M D A V V K A T
UniRef90_U9SVR8	FKKTI LEAKTI LWNGPTGVFEFDKFAAGTKSALDAVTEAT
UniRef90_M7X689 UniRef90_E6R9I3	F A E T
UniRef90_A8QDB7	FKDAVLKAKTI LWNGPPGVFEFDNFAGGSKAVLDACLEAE
UniRef90_J5QST5 UniRef90_I1GE34	F A K A IV IE D S K T I L W N G P A G V F E F P N F A Q G S L S L L N A <mark>C</mark> K A <mark>C</mark> F A E T I S T A A T I V W N G P V G V F E M E K F S T G S R V V L E A V V A A T
UniRef90_L8G700	INQTI NEAKTI LWNGPPGVFEFEAFANGTKTI LDCAVAAA
UniRef90_F0ZP38 UniRef90_T1JGK5	N K E T V L R A K T I V W N G P M G V F E F D K F E T G T K E V M N A V V E A T F T E A V Q R A K L I V W N G P V G V F E F D N F A K G T K A V M D A V V A A T
UniRef90_O60101 UniRef90_E3L4A0	FAEVITTSKTI VWNGPAGVFEFDNFAKGTKSMLDACVKTC FKKAILSSKTI LWNGPAGVFEFDNFAEGSKAMLDACIEAC
UniRef90_P36204	FKQKLSDAKTVVWNGPMGVFELDDFAEGTKQVALALALA
UniRef90_F6YND1 UniRef90_T1G902	F A K V G G A K V V W N G P P G V F E F P N F A S G T K C F M D E V V A V T F A E A I L R A R T I V W N G P P G V F E F K N F A N G T K K V L D A V V E A T
UniRef90_B6AFB0	CKEALLSAKTI VANGPPGVFEMDKFSKGSRSLVEALVAAT
UniRef90_B5DFX8 UniRef90_UPI00026580F3	F A A A V G R A K Q I V W N G P V G V F E F E N F A K G T K S L M D K V V E V T F K A A V G R A K T I V W N G P A G V F E F E K F A A G S K G I M D A V V E A T
UniRef90_A0A024UQQ6	FAAAV GRAKTV VWN GPMGV FEFDAFAQGTKNV MDAV VEAT
UniRef90_C5KYR5 UniRef90_U4LP89	NLELLSKAKTI I WNGPQGVFEFPNFAKGSFAL LDGVVAAT FKQAI SEAKTI LWNGPPGVFEFDKFANGTKA <u>TL</u> DA <u>AV</u> E <u>A</u> A
UniRef90_UPI0003693517 UniRef90_M5GEV9	Y Q D A I R S S K T V I W N G P M G V F E F E A F A K G T N E V A K A V A E V H F R E T V L Q A K T I L W N G P P G V F E F P A F A E G S K A L L A D T I E A S
UniRef90_Q7RG04	YKDVILGSKII I WNGPQGVFEMENFAKGSLQCLELVI QAT
UniRef90_R4WDR4 UniRef90_E9IUG2	FDEAL LRAKVI VWNGPPGVFEFEKFS <mark>C</mark> GTKGMLESVIKAT FAE <u>P</u> IKRAKVI VWNGPAGVFEFENFSKGT <u>KSLM</u> DNV <u>V</u> EAT
UniRef90_A0A023B4I5	A K E IV I IG R A K T II V IWN G P Q G IV IF E M P A F A K G S IL IA F IV ID A IV I <mark>C</mark> E A T
UniRef90_V5SKG9 UniRef90_UPI00037E0656	FSTVVTRAKLIVWNĠPPĠVFEFTNFANĠTKSLMDAIVSAT YKETIQQSKLVIWNGPMGVFELDKFA <u>T</u> GTKGVAQALAD <u>S</u> D
LiniPofOn IZ IATO	Y E E A L S D A K T V I WN G P M G V F E M P A F A V G T K A V A E A L S K L D F E E V I K Q A K T I L WN G P A G V F E F D S F A Y G T K K I L D A V V S S S
UniRef90_I7A1P3 UniRef90_I7A1P3	FRKVI LESKTI I WNGPLGVFEFDNFAKGTFAI AEALAEAT
UniRef90 Q2RLU1	Y A GALEGARTV V WNG P MGV F E ME A F A HGT E A V A R A V A A V D Y A D L V R G A K T V L WNG P MGV F E L K E S A V G T Y A V A N A L A E A T
UniRef90_G8LY94	Y A A EII K N A K T V V WN G P M G V F E F P N F E K G T K E V A R A V A E S
UniRef90_B0TGK4 UniRef90_R5XP17	FEQALIAKARTVLIWNGPMGAFELIAPFDRGTLIGVAKAMAKVQ
UniRef90_A0A024G5J3	Y E E AL S D A K T V I WN G P M G V F E M P A F A V G T K A V A E A L S K L D F E E V I K Q A K T I L WN G P A G V F E F D S F A Y G T K K I L D A V V S S S F R K V I L E S K T I I WN G P A G V F E F D S F A K G T F A I A E A L A E A T Y A G A L E G A R T V V WN G P M G V F E M E A F A H G T E A V A R A V A A Y D Y A D L V R G A K T V L WN G P M G V F E L K E S A V G T Y A V A N A L A E A T Y A A E I K N A K T V V WN G P M G V F E F P N F E K G T K E V A R A V A E S F E Q A L A K A R T V L WN G P M G V F E F E A F A G G T L A L A K A M A A L E F S K V V S S A K T I V WN G P M G V F E F E T F A A G T K Q M M E A V V Q V T F A A E V R D A G T V I WN G P M G V F E F E T F A A G T K Q M M E A V V Q V T F A A E V R D A G T V I WN G P M G V F E M A P F A A G T F G V A O A V A
UniRef90_F6CN84 UniRef90_G2FZ20	F A A E V R D A G T V I W N G P M G V F E M A P F A A G T F G L A K A L A D S K F E A R I S T A R T V I W N G P M G V F E M D A F A K G T E G V A Q A V A
UniRef90_L1K2C4	N R E A M S S K T W N G P M G V F E M S K F E G G T K A M M D D <u>M</u> V E <u>A</u> T
UniRef90_Q66PT3 UniRef90_K8DXV1	N A A T I Q A S K T I W N G P M G V F E M K K F E Q G T K Q M M D E V K V T F A A V I K Q A A T V V W N G P M G V F E M E P F A K G T E A V A R A L A D S P
UniRef90_B9QI15 UniRef90_A0PYP1	FAAVIKQAATVVWNGPMGVFEMEPFAKGTEAVARALADSPATEMILRAKTLVWNGPPGVFEMSNFAKGSIAFCGAVAKAT YADAVRTAKTVVWNGPMGVFEFANFAKGTLAVAEAMAEAD
UniRef90_G9QJP4	Y R F IV V I IN S K II V I IWN G P M G IV IF F M D K F A F G I K A IV IA D A II IA D
UniRef90_L8H831 UniRef90_U4WMD8	FREVVLRAKTI VWNGPVGVFEFPSFAEGSKOLLSAVVEAT YRDAI VPSKTVVWNGPMGVFEMDAFASGTIAVANAMEECQ
UniRef90_D1AKU8	F S E K L N G A K T V V WN G P M G V F E M P N F A K G T L G V C E A M A L H
UniRef90_M7NEC7 UniRef90_C9RL46	Y A DIVI IR Q S K TII L IWN G P M GIV IF E M D A F A E G T K K V A E A V A E T E F V N A II K S A K T II V W N G P A GIV IF E F E A F E K A T K A M A D A II V E A T
UniRef90_A1HSR2	F G E A V Q G A K T V V W N G P M G V F E F D A F A K G T E A V A K A V A
UniRef90_R1AVS9 UniRef90_S0EYZ3	F S E K L N G A K T I V V WN G P M G V F E M P N F A K G T L G V C E A T A H Y A D V I R Q S K T I L WN G P M G V F E M D A F A E G T K K V A E A V A E T E F V N A I K S A K T I V WN G P A G V F E F E A F E K A T K A M A D A I V E A T F G E A V Q G A K T V V WN G P M G V F E F D A F A K G T E A V A K A V A F A E E I K N A K T V V WN G P M G V F E M E N F A K G T E A V A K A M A E A D F S N A V Q G A G T V F WN G P M G I F E F A K F A E G T R A V A K A L A E
UniRef90_R5KIN8 UniRef90_R9NF74	FADAII ROBAUTIVI WN GEMIGOSE WD KEA GOTE AVIA KAVA DS
UniRef90_W7TJY6	TQAELADCKTI I WNGPMGVFEFDKFAAGTSAI AETLAELT
UniRef90_M1URZ1 UniRef90_B5YE95	I QEKLRTMKTVL WNGPLGVFEMPNFAKGTFAI AETLAELT FREELLKARTII WNGPMGI FELPAFANGTRRI AEAI AE
UniRef90_Q5ENR8	Q A E L A D C K T I I WN G P M G V F E F D K F A A G T S A I A E T L A E L T L Q E K L R T M K T V L WN G P M G V F E M P N F A K G T F A I A E T L A E L T F R E E I L K A R T I I WN G P M G I F E I P A F A N G T R R I A E A I A E L T Y K D I I Q Q S R L V L WN G P M G V F E F E A F A K G T F D V A D T L A E L T Y K D I I Q Q S R L V L WN G P M G V F E F E K F A E G T K A Q A A A V A A A T F S D A I K N A K T V V WN G P M G V F E F E N F A K G T E A V A E A L A K I D L S S A I A K C K T I V WN G P M G V F E F M N F A R G T F O V A R L I A K I D L S S A I A K C K T I V WN G P M G V F E F M N F A R G T F O V A R L I A K I D L S S A I A K C K T I V WN G P M G V F E F M N F A R G T F O V A R L I A K I D L S S A I A K C K T I V WN G P M G V F E F M N F A R G T F O V A R L I A K I D L S S A I A K C K T I V WN G P M G V F E F M N F A R G T F O V A R L I A K I D L S S A I A K C K T I V WN G P M G V F E F M N F A R G T F O V A R L I A K I D L S S A I A K C K T I V WN G P M G V F E F M F N F A R G T F O V A R L I A K I D L S S A I A K C K T I V WN G P M G V F E F M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E F M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E F M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E F M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E F M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E F M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E M F N F A R G T F O V A R I L A K I D L S S A I A K C K T I V WN G P M G V F E M F N F A R G T F O V A R I L A K I D L S S T T T T T T T T T T T T T T T T T
UniRef90_UPI0003FC1479 UniRef90_W0IVA5	FTETIKASKTII WNGPAGVFEFEKFAEGTKAQAAAVAAAT
UniRef90_N1ZQZ4 UniRef90_M2X7X4	F S D A I K N A K T V V W N G P M G V F E F A N F A K G T E A V A E A L A K I D I E S A L A K C K T I L W N G P M G V F E M E N F A R G T F Q V A R I L A K L T
UniRef90_U7PHZ5	FADTI DEAQTI VWNGPPGVFEYEKFADGTKAMLAAAVRAA
UniRef90_UPI0004691029 UniRef90_Q833I9	F R Q T V D S K L V W N G P A G V F E F D L F A Q G T N S A K A L A D <mark>C</mark> D F A N E L Q G A K T V V W N G P M G V F E M S N F A K G T G V <mark>C</mark> E A A N L E
UniRef90_R5F4A4	FANELQGAKTVVWNGPMGVFEMSNFAKGTIGVCEAIANLE YKEALQGAKTVVWNGPMGVFEFSNFAEGTLEVCRAVAELA
UniRef90_F0T1Q4 UniRef90_B1HVS1	FAEEI RPAKTLI WNGPMGVFEMPKFAQGTEKVALAVAE <mark>C</mark> Q YAE <u>V</u> INNSKLII WNGPMGVFEMD <u>KF</u> ANGTKTVADA <u>M</u> A
UniRef90_R6YMC2	Y A E U I N N S K L I I WN G P M G V F E M P K F A Q G I E K V A L A V A E C Q Y A E V I N N S K L I I WN G P M G V F E M D K F A N G T K T V A D A M A F G E A V K S A K T V V WN G P M G V F E P D Q F A V G T E A I A R S L A G L T F N K K L S D A K T V V WN G P M G V F E F D Q F A V G T E A I A R S L A G L T F N K K L S D A K T V V WN G P M G V F E F D D F A K G T E S I A R T L A S L N F G K V L G G A K T I V WN G P M G V F E F S N F A A G S T S V L D L V I E A T F Q E A L G D C K S V I WN G P M G V F E F D R F A V G T E A I A R T L A A I S Y C D A V A D A G T V I WN G P M G V F E F P A F A K G T E A V A E A L S R T D F A G A I C A S K T I V WN G P M G V F E F N F A N G T R A M L E A V I G A T Y A D A I K D S K T I I WN G P M G V F E F K N F A K G T F A V A K A M A E F S N O I K S A K T I V WN G P M G V F E F M F N F A D G T F A V A F A I A D A T
UniRef90_Q31P73 UniRef90_I2F1G6	FNKKLSDAKTVVWNGPMGVFELDDFAKGTESILARTLASLN
UniRef90_L1LFJ1 UniRef90_M1X0X8	F G K V L G G A K T I V W N G P L G V F E F S N F A A G S T S V L D L V I E A T E O F A I G D C K S V L W N G P M G V E F E D R F A V G T F A I A P T I A A I S
UniRef90_U2S5X8	YCDAVADAGIVIWNGPMGVFEFPAFAKGTEAVAEALSRTD
UniRef90_Q29KX1 UniRef90_B9E6B4	FAGAII CASKTII V W N G P P G L F E N E R F A N G T R A M L E A V I G A T Y A D A I K D S K T I I W N G P M G V F F F K N F A K G T F A V A K A M A F
UniRef90_UPI0003700EC8	F S N Q I K S A K T V V W N G P M G V F E M E N F A D G T F A V A E A L A D A T
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UniRef90_D5WR90	F R A M L A D <u>A</u> H T V I W N G P M G V F E M E P F A A G T <u> L </u> A V A Q A <u>M</u> A
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3	

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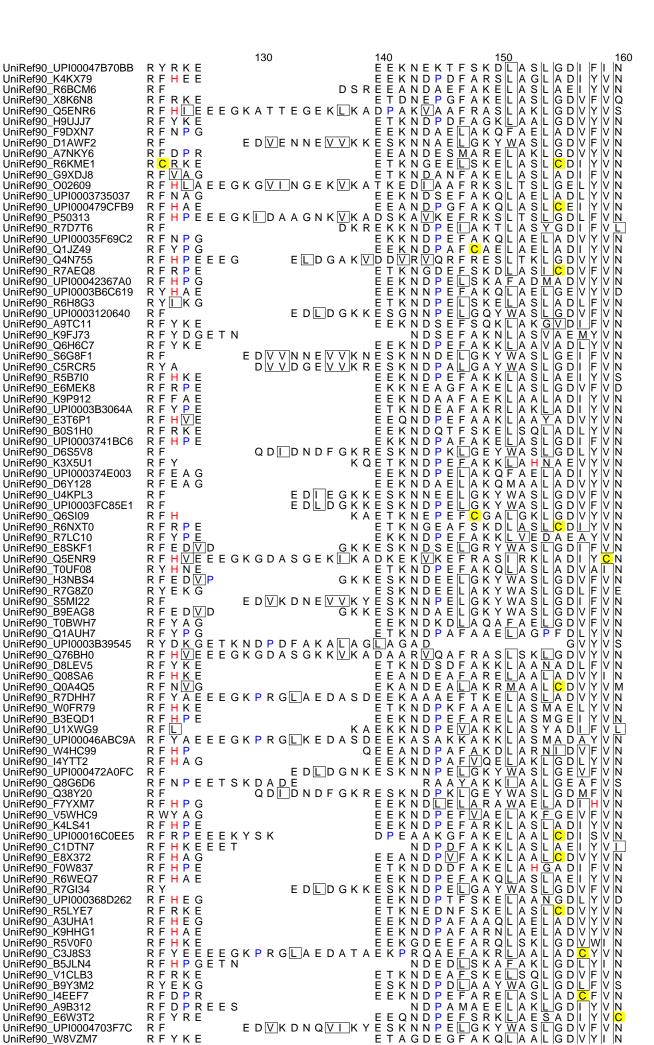
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UniRef90_B0S1H0	DAFGTSHRAHASNVGVKELPSAVGELVOKELELMGKALEN
UniRef90_UPI0003741BC6 UniRef90_D6S5V8	DAFGTAHRAHASNVGVEYLPSVAGFLIEKEI EYLNKALIH DAFGTAHRSHASNVGLATAMKAAGFLMEKEI KFLGNALAN
UniRef90_K3X5U1	DAFGTAHRAHASTIVITKYII IETNIVIAGFILIMEKEILIKYILIAGAIVIDA
UniRef90_UPI000374E003 UniRef90_D6Y128	DAFGAAHRAHASTEGIHHLPSAAGLLLEKELEVLGQALED DAFGAAHRAHASTEGIAKHPAVAGLLMEKELEVLGKAMAN
UniRef90_U4KPL3	DAFGAAHRAHASTEGI AKHPAVAGL LMEKELEV LGKAMAN DAFGTAHRAHASNVGI NIETTVAGEL LEKEI EFI GGAVSN
UniRef90_UPI0003FC85E1 UniRef90_Q6SI09	DAFGTAHRAHASNVGINIETTVAGFLLEKEIEFIGGAVSNDAFGTAHRAHASNVGVNIESAVAGFLLEKEINFIGGTLENDAFGTAHRAHASTVTGFIPESAVGYLIRKELQFLGGAVMN
UniRef90_R6NXT0	DAFGAAHRAHCSIIVIGIVII AFIVIKAIVIGYILIMGKEILIKYILIGNAIVIEN
UniRef90_R7LC10 UniRef90_E8SKF1	
UniRef90_Q5ENR9	D A F G <u>T</u> A H R A H S S <u>M</u> V G <u>E</u> G F <u>D V</u> K <mark>C</mark> S G G L <u>M</u> A K E L S A <u>F</u> A K <u> V</u> L <u> D</u> E
UniRef90_T0UF08 UniRef90_H3NBS4	D A F G V S H R N A A S V V G D Y L P M A A G F L L K K E D A L S A A V H D A F G T A H R A H A S N V G A S N E S A V G F L I E K E E F G G A V D E
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UniRef90_S5MI22 UniRef90_B9EAG8	D A F G T A H R A H A S N V G 1 A L N Q S C V G F L V Q K E L E M L S K G 1 D N D A F G T A H R E H A S N V G V T H L D T A A G F L M E K E 1 K F 1 G G V V E N
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UniRef90_Q1AUH7 UniRef90_UPI0003B39545	D A F G A A H R A H A T T V G V E R L P A A A G F L L E Q E L D Y L D G V L R S D A F G T V H R A H A S T A G V A A L P A V S G F L I Q K E L D I I G G A L A N
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UniRef90_Q0A4Q5 UniRef90_R7DHH7	DAFGTAHRAQASTÜĞQYAPÜACAĞPL LAAELEALĞKALEA DAFGTAHRAHASTDYFTP <u>E</u> NKMFGYL <u>M</u> EKEVKAVEK <u>VM</u> KD
UniRef90_W0FR79	DAFGTAHRAHASTAG <u>AN</u> YLPS <u>A</u> SGYLIQKEIDFIGGALSD
UniRef90_B3EQD1 UniRef90_U1XWG9	DAFGTAHRAHASTEGI <mark>C</mark> HYPSVAGFLIEKELKYLGQ <u>AL</u> NN DAFGTAHRAQGS <u>V</u> VGPAALPAVAGFLLEKEVDTLTSIFAD
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UniRef90_C1DTN7 UniRef90_E8X372	DAFGSAHRAHASTEGHFVKESAAGLLMESELEHLIGKALTE
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UniRef90_UPI000368D262	DAFSAAHRAHASTEGVR <u>LLP</u> AYAGRLMEAELKALSAALEN
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UniRef90_K9HHG1	DAFSTAHRAHASTEAVNLLIPSAAGRILIMQAELIEALITKALIQK
UniRef90_R5V0F0 UniRef90_C3J8S3	DAFGTAHRAHASTAVFFPNDKLFGYVMKGELDSVDKVMKN DAFGTAHRAHASTDSFPADRKMFGFLMEQEVNAVQRVLGD
UniRef90_B5JLN4	DAFGTAHRAHSSTVASFÜKPAVCGFLÜQKELEFLGDKTAN
UniRef90_V1CLB3 UniRef90_B9Y3M2	DAFGTAHRAH <mark>C</mark> STAGIAKFPAYSGFLIEKEVKYLGSAVEN DAFGSVHRAHASTVGITHLPSA <mark>C</mark> GFLVQKEIENLSAAIDN DAFGTAHRAHASTVGVALLPSAAGLLLEREIAALSRVTSE
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UniRef90_UPI0004703F7C	DAFGTSHRAHASNVGÜYÜPASÄVGLL VEKELQMLAKĞI DN
UniRef90_W8VZM7	DAFGTAHRAHASTWAQYFEKKAFGKLMLREI ESLNKVLET

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June	UniRef90_USENRO	P Q K P MV A V I G G A K V S S K II G V L E T L L P N C A S L I I G G G M T Y T	
JARREDO DANNES P	UniRef90_F9DXN7	P E R P F T A I G G A K V K D K G V D N L L D K V D N L L I G G G L S Y T	
June		PKRPFVAILLIGGAKVISDKII IGVI IENILLIDKADKVI I IGGGMMFT	
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June	UniRef90_UPI0003735037	PARPEIVIAII LIGGAKIVIS DKILIKIV LIDNILLIGKIVIDSILLLIGGGMAYT	
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JARRENO GALVES PK PF A V G G A K V G V D T L G K V D T L G G M V T M M T T M T		PKRPF V A I L GGSK V SDK I G V I DR L L DSADI V I V GGGMAY I	
Jurkengo, D-4N756 P	UniRef90_Q1JZ49	PKRPFAAVIGGAKVSDKIITVIDTLLIDKVNALLIGGGMAYT	
Junkergo UP10004236740 JUNKERGO UP10004368C619 JUNKERGO UP1000368C619 JUNKERGO UP1000374E003 JUNKE	UniRef90_Q4N755	P Q K P F L A I L G G A K V K D K V K L I L A L L E K I D V L I I G G G M A Y T	
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JAIRGESO UPI000374E056 JAIRGESO LOSS5V8 JAIRGESO LOSSV8	UniRef90_E3T6P1	PARPFAAI LIGGAKIVIS DIKI IKIVI DIHLLITIKIV DILLIV LIGGG MANT	
JORRESO CASSUS P P P N	UniRef90_B0S1H0 UniRef90_UPI0003741BC6	PKKPYTAII LIGGAKIVIS DKII IGIVI IE NILLIDKIVIDI II LI IGGAMAFI	
JAINGERSO DON'128	UniRef90_D6S5V8	PVHPFVTI LGGAKVSDKI SVITNLIPKSDHI LIGGGMAYT	
JAIRE910		PVR PLIGAVI GGAKVISTKII PV LIKSILLIEK <mark>C</mark> DKII LLIGGGMI FT	
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JAIRGE9D RENXTO PARP F VII L G G K V A D K D N L N K A D T L I G G M Y T		PERPFUALLIGGAKVISDKI EVI QNL LKI ADKIVLI GGGMAFI	
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JiniRef90_B3EQD1	UniRef90_D6LEV5 UniRef90_Q08SA6	PEKPFWAILGGSKVSDKI KVI ESLLPKVDALLI GGAMAYT	
JiniRef90_B3EQD1	UniRef90_Q0A4Q5	PARPMTAL VGGSKVSTKLDVLETLSEKVDQLIVGGGDANT	
JAIRE190_U1XWG9		PKRPEWALLGGAKWS DKI GWITNI I DKADTI I I GGMAYT	
Dilikef90_F7XM7	UniRef90_B3EQD1	PERPEVAL LIGGAKLISGKI DV LIENLENKŪDTV LIGGAMŪFT	
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Dilikef90_F7XM7	UniRef90_W4HC99	PKRPLAAI I GGAKVSTKII PVLESLLEKCDKVFLGGGMIFT	
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Dilikef90_F7XM7	UniRef90_Q38Y20	PERPFVAILGGAKVSDKIGVIEHLLLAKADKVIVGGGMTYT	
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IniRefON BOY3M2 PKR PILVIAILLIGGAKIVIS DKILIAIVLIE NILLINILIA DKIVL VIGGGMAYT	UniRef90_R6WEQ7	PDRPFVALLGGAKVADKLTVIENLLGKVDTLTIGGGMAYT	
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IniRefON BOY3M2 PKR PILVIAILLIGGAKIVIS DKILIAIVLIE NILLINILIA DKIVL VIGGGMAYT	UniRef90_A3UHA1	PNRPVLAVVGGAKVSTKI ELLKNLVKKVDRLEVGGAMANT	
IniRefON BOY3M2 PKR PILVIAILLIGGAKIVIS DKILIAIVLIE NILLINILIA DKIVL VIGGGMAYT		PERPETAL MGGSKVSSKI DI I MNI I IGKVDNI I I IGGGMTET	
IniRefON BOY3M2 PKRPILVIAILLIGGAKIVIS DKILIAIVLIENILLIA DKIVLVIGGGMAYT	UniRef90_C3J8S3	HRPFVAI MGGSKVSSKI DI I DNL LDKVDTLI I TGGMCFT	
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JniRef90_A9B312	UniRef90_I4EEF7	PEHPFALI LIĞĞAKIVIS DKI IĞIVI IDHIL LITRIVIDLI LIĞĞĞMANT	
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JRIREF90_D6Y128 FI K A K G Y E I G K S L L E E D K I D L A K Q F M Q K A E E K G V S F M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J N R N G Y E I G T S L L E E D K I D L A K D L L E Q A K G K I V L P J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L D J N R N S I G T S L Y D E S K I D Y C K D M L K K A E D K G V K L L L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G K S L V E E D K L E L A K E Y L A K A E G K L V L P J N R N G S S M S S L L E E D K I D L A K D L M B R G G D K L V L P J N R N G G G S S M S C E E D K V A L A K Q Y L E K S N G K I L P J N R N G G G G G G G G G G G G G G G G G	UniRef90_C5RCR5	F AAAKGEKII GNSILIFEEDKIVELIAKQILIIADAG DKILVLIP
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JRIREF90_D6Y128 FI K A K G Y E I G K S L L E E D K I D L A K Q F M Q K A E E K G V S F M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J N R N G Y E I G T S L L E E D K I D L A K D L L E Q A K G K I V L P J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L D J N R N S I G T S L Y D E S K I D Y C K D M L K K A E D K G V K L L L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G K S L V E E D K L E L A K E Y L A K A E G K L V L P J N R N G S S M S S L L E E D K I D L A K D L M B R G G D K L V L P J N R N G G G S S M S C E E D K V A L A K Q Y L E K S N G K I L P J N R N G G G G G G G G G G G G G G G G G	OHINEIBO_NBFB1Z	FYK ARGLAVGKSLVEEDKLELAKELEAKAAAKGVQLLLP
JRIREF90_D6Y128 FI K A K G Y E I G K S L L E E D K I D L A K Q F M Q K A E E K G V S F M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J N R N G Y E I G T S L L E E D K I D L A K D L L E Q A K G K I V L P J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L D J N R N S I G T S L Y D E S K I D Y C K D M L K K A E D K G V K L L L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G K S L V E E D K L E L A K E Y L A K A E G K L V L P J N R N G S S M S S L L E E D K I D L A K D L M B R G G D K L V L P J N R N G G G S S M S C E E D K V A L A K Q Y L E K S N G K I L P J N R N G G G G G G G G G G G G G G G G G	UniRef90_UPI0003B3064A UniRef90_E3T6P1	FILE AQGKAI GKSLAEPDRVEEARRI LTNAEKNGVOVVIP
JRIREF90_D6Y128 FI K A K G Y E I G K S L L E E D K I D L A K Q F M Q K A E E K G V S F M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J N R N G Y E I G T S L L E E D K I D L A K D L L E Q A K G K I V L P J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L D J N R N S I G T S L Y D E S K I D Y C K D M L K K A E D K G V K L L L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G K S L V E E D K L E L A K E Y L A K A E G K L V L P J N R N G S S M S S L L E E D K I D L A K D L M B R G G D K L V L P J N R N G G G S S M S C E E D K V A L A K Q Y L E K S N G K I L P J N R N G G G G G G G G G G G G G G G G G	UniRef90_B0S1H0	FIKS QGKNVGKSLTEEDKLDLAKSLLEKAQEKGVKI FLP
JRIREF90_D6Y128 FI K A K G Y E I G K S L L E E D K I D L A K Q F M Q K A E E K G V S F M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J N R N G Y E I G T S L L E E D K I D L A K D L L E Q A K G K I V L P J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D L A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L G J N R N G Y E I G K S L L E E D K I D T A K E L L E Q G K G K I V L D J N R N S I G T S L Y D E S K I D Y C K D M L K K A E D K G V K L L L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G L S L L E A D K I D F A K D L L E R A S D Q I V L P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G S S L F E E G Q E V I A T D L V M E A R V A G A K L L T P J N R N G Y E I G K S L V E E D K L E L A K E Y L A K A E G K L V L P J N R N G S S M S S L L E E D K I D L A K D L M B R G G D K L V L P J N R N G G G S S M S C E E D K V A L A K Q Y L E K S N G K I L P J N R N G G G G G G G G G G G G G G G G G		FILIK A Q G Y S I I G N S IL V E D D K II I P A A IL E I I M R E A K V K G V N L F L P
JRIREF90_D6Y128 FI K A K G Y E I G K S L L E E D K I D L A K Q F M Q K A E E K G V S F M P J J N R N G Y E I G T S L L E E D K I D L A K Q F M E K A E K N N V N F Y M P J J N R N G Y E I G T S L L E E D K I D L A K D L L E Q A K G K I V L P J N R N R N R G Y E I G K S L L E E D K I D L A K D L L E Q G K G K I V L G J N R N R N R N R N R N R N R N R N R N	UniRef90_K3X5U1	FYK AQGIDVGKSI I EEDKVELAKEL DEAAKRGVQL I LP
JNIREF90_B9EAG8 FLK AQGKEIGHSLLEEDKIDLAKDLMER GKDKLVLP		FIVIK AKGYELI GKSLLLEEDKI ELAREYMQKAEEKGIVISFHMP
JNIREF90_B9EAG8 FLK AQGKEIGHSLLEEDKIDLAKDLMER GKDKLVLP	UniRef90_D61126 UniRef90_U4KPL3	FILK AQGHKI GKSLCEIDKVDLAKDLLEQA KGKIVLP
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Jimireigo		FFK AQGHNI GKSL CEEDKVAL AKQYLEK SNGKI I LP
JAIRE990	UniRef90_B9EAG8	FIK AQGKELGHSLLEEDKI DLAKDLMER GKDKLVLP
Jinker90		FILIAIVIQ G N D M A K SIL VIE A D A IL ID T A R K IL LIDILIA K E H N S R IL L LIP
JniRef90	UniRef90_UPI0003B39545	F A A A Q G G K V G D S L L E A D WE Q Y A L D MINK K A Q E K G V K L L L P
Jinkef90		L L K V D R G M E I G N S L Y D E E G A K M V K D L M A K A E K N S V K I T L P
JAIRE990_GOAAQ5 JAIRE990_ROPHTY F T K A Q G G K I G N S I C E D D K L D L A L D L M K K A K E K G V N L V L D L D L A L D L M K K A K E K G V N L V L D L D L A L D L M K K A K E K G V N L V L D L D L A L D L M K K A K E K G V N L V L L P D JAIRE990_B3BQD1 JAIRE990_B3BQD1 JAIRE990_U1XWG9 F F K A Q G G K I G N S I C E D D K V E L A K E L M A K A E E K G V K L L L P D JAIRE990_U1XWG9 F F L A K G Y K T V G N S L F E A D K V E L A K E L M A K A E E K G V K L L L P D JAIRE990_U1XWG9 F F L A K G Y K T V G N S L V E D D K V E L A K E L M A K A E A K G K I V L P JAIRE990_U100046ABC9A F A K A G G G K I G N S I C E N D K L D L A L E I I A K A K E K G V N L V I S JAIRE990_U100046ABC9A F A K A G G G K I G N S I C E N D K L D L A L E I I A K A K E K G V N L V I S JAIRE990_U1000472A0FC JAIRE990_U	UniRef90_Q08SA6	FLK AQGIEVGKSRVEEDKLSLATKI LDAAQRIKTAI VLP
Jinkef90	UniRef90_Q0A4Q5	FLAAAGH PVGKSLYEADLVDKARQLMDTARANGGEI PVP
Jirker90		FING A MGGTIVIGN SILIFE A DKIVIELLA KELLIMA KA KE KGIVINILI VILIA
Jnikef90	UniRef90_B3EQD1	FFK AQGUSVGKSLVEDDKVELARHLLQTAKERKUNMLLP
JniRef90 W4HC99		F F IL IA K G Y K I IV IG I SIL IK E IL ID WIV E P A A K MIL E K A E A K G C K II L L IP F A K A G G G K II G N S II C F N D K II DI I A II I A K A K F K G IV N II V I S
JAIRE990_L14YTT2	UniRef90_W4HC99	FYR AQGUSVGKSI VEEDKIELAKSLLEKAKQKGVKFI LP
JiniRef90_Q86606 JiniRef90_Q88606 JiniRef90_Q88606 JiniRef90_Q88606 JiniRef90_Q88606 JiniRef90_F7YXM7 FLK A K G Y E V G T S L L E D K L E L A K E L L E K A G D K L V L P JiniRef90_V5WHC9 JiniRef90_V5WHC9 JiniRef90_V5WHC9 JiniRef90_V5WHC9 JiniRef90_U1000016C0EE5 FMK A Q G K E L G N S L L E D Y L E T A K S L L K Q A E K A G V E V L L P JiniRef90_U1000016C0EE5 JiniRef90_U1000016C0EE5 FMK A Q G K P V G N S L V D D M L E K A L E L E K A K Q K D V K F Y L P JiniRef90_E8X372 JiniRef90_E8X372 JiniRef90_R6WEQ7 JiniRef90_R6WEQ7 JiniRef90_R6WEQ7 JiniRef90_R7GI34 JiniRef90_R7GI34 FL K A M G Y N V G K S L V E D D T K L D Y O K E M L A K A E K N G V K L L P D JiniRef90_R7GI34 JiniRef90_R7GI34 FL K A M G Y N V G K S L V E D D T K L D Y O K E M L A K A E K N G V K L L P JiniRef90_R7GI34 JiniRef90_R7GI34 FL K A M G Y N V G K S L V E D D T K L D Y O K E M L A K A E K N G V K L L P JiniRef90_R7GI34 JiniRef90_R7GI34 FL K A K G Y E L G K S L V D D T K L D Y O K E M L A K A E K K G V K L L P JiniRef90_R7GI34 FL K A K G Y E L G K S L V E D D T K L D Y O K E M L A K A E K N G V K L L P JiniRef90_R7GI34 FL K A K G Y E L G K S L V E D D T K L D Y O K E M M A K A E E L G V K L L P JiniRef90_R7GI34 FL K A K G Y E L G K S L V E D D T K L D Y O K E M M A K A E K K G V K L L P JiniRef90_R7GI34 FL K A K G Y E L G K S L V E D D T K L D Y O K E M M A K A E K K G C E L V L P JiniRef90_R7GI34 FL K A K G Y E L G K S L V E D D T K L D Y O K E M M A K A E K K G C E L V L P JiniRef90_R7GI34 FL K A K G Y E L G K S L V E D D T K L D Y O K E M M A K A E K K G C E L V L P JiniRef90_R7GI34 FL K A K G Y E L G K S L V E D D T K L D Y O K E M M A K A E K K G C E L V L P JiniRef90_R7GI34 FL K A K G Y E L C E D D K M D V L A R E L M K A A E S L C E D D K M D V L A R E L M K A A E S L C E L D D K M D V L A R E L M K A A E S L C E D D K M D V L A R E L M K A A E S L C E L D D K M D V L A R E L M K A E L C E L D D K M D V L A R E L M K A K A K G V K L L P D JiniRef90_R7GI34 FL K A K G Y E V G M S L V E D D K M D V L A E A G R L N A K E L C E L V P JINIR R R R R M	UniRef90_I4YTT2	F VIHAMGLIGII GKSLAEKDILIAATAMRII I EKARTSN <mark>C</mark> AII L P
JniRef90_Q38Y20 F Y A A K G L S I G N S L V E E D K I E L A K E L L E K A G K L V L P JniRef90_F7YM7 F L K A Q G F S V G S S L V E D D K L E L A K D I MR M A K E K G V E L V L P JniRef90_V5WHC9 F L K A Q G K E I G N S L L E E D Y L E T A K S L L K Q A E K A G V E L V L P JniRef90_W5WHC9 JniRef90_UP100016C0EE5 F M K A Q G K P V G N S L L E A D K V E Y A G E M Q K A R Q R G V R V E L P JniRef90_E8X372 JniRef90_E8X372 F L K A M G Y N V G S S L V E D D M L E K A L E L I E K A K Q K D V K F Y L P JniRef90_F0W837 F L K A M G Y N V G K S L V E V D K V D V A G E T L K K A A A K G V R F L L P JniRef90_R6WEQ7 JniRef90_R6WEQ7 JniRef90_R7GI34 JniRef90_R7GI34 JniRef90_R7GI34 JniRef90_R5LYE7 JniRef90_R5LYER	UniRef90_Q8G6D6	FLK AKGYEVGTSL LEEDQLEKVKGYLETAEKNGVELVLP
Juirief90_V5WHC9	UniRef90_Q38Y20	FYA AKGLISII GNSL VIEEDKII ELAKELIJEKA GDKLVLP
JniRef90		FILK AQGKEII GNSIL VIEDDKILIELIAKDII IMKMAKEKGIVIEL V LIP
JRINERF90_C1DTN7 F K A M G Y N V G N S L E A D K V E Y A G E M L Q K A K D K G V N L L P JNIREF90_E8X372 JNIREF90_F6W837 F K A M G Y N V G N S L V E D D M L E K A L E L E K K A A A K G V R F L P JNIREF90_F6W837 F K A M G Y N V G K S V E N D K Q M A K S M K K A E E L G V E V L P JNIREF90_R6WEQ7 F L A A Q G K S G T S L F D D T K L D Y C K E M L A K A E K N G V K L L P JNIREF90_UP1000368D262 JNIREF90_UP1000368D262 F L A A E G V K V G K S L Q E G D M H E T A R T L A A R A K E K G C D L V L P JNIREF90_A3UHA1 F L A A R G H D V G G S L Y E R D L L D T A K A E D A A G E A Q C Q I L L P JNIREF90_R5V9F0 JNIREF90_R5V9F0 F K K A L G G H I G K S L C E D D K K D L A R E I M E K A E K A G V H L V L P JNIREF90_B5JLN4 F A K A Y G G K V G S S L C E D D K M D V A R A A I V E K A K A K G V K L L L P JNIREF90_B973M2 JNIREF90_B973M2 F L K A K G Y E I G K S L L D E D S I G L A R S V M D K A K E K K V E F L V P JNIREF90_A9B312 F L K A Q G K E I G T S L E D R I E M A K E F L A K E K K V E F L V P JNIREF90_B973M7 F L K A Q G K E I G T S L E D R I E M A K E F L A K E K K V E F L V P JNIREF90_B93M7 F L K A Q G K E I G T S L E D R I E M A K E F L A K E K K V E F L V P JNIREF90_B973M7 F L K A Q G K E I G T S L E E D R I E M A K E F L A K E K K V E F L V P JNIREF90_B973M7 F L K A Q G K E I G T S L E E D R I E M A K E F L A K E K K V E F L V P JNIREF90_B973M7 F L K A Q G K E I G T S L V E A D S V A E A G R L I D E A Q G R G V K L L L P JNIREF90_B973M7 F L K A Q G G N I G D S L V E A D S V A E A G R L I D E A Q G R G V K L L L P JNIREF90_B973M7 F L K A Q G G N I G D S L V E A D K A E A K R Y L E I A N G K I L P JNIREF90_B973M7 F L K A Q G G N I G D S L V E A D S V A E A G R L I D E A Q G R G V K L L L P JNIREF90_B973M7 F L K A Q G G N I G D S L V E D D K Q E L A L A C G L A T A Q R K G V K I L L P JNIREF90_B973M7 F L K A C G	UniRef90_K4LS41	FLL AQGRDVGDSLVDREHLDFAREFMQKARQRGVRVELP
JniRef90_F0W8372 JniRef90_F0W837 F R A M G Q D T G K S L V E V D K V D V A G E T L K K A A A K G V R F L L P J J R R A M G Q D T G K S L V E V D K V D V A G E T L K K A A A K G V R F L L P J J R R A M G Q D T G K S L V E N D K I Q M A K S I M K K A E E L G V E L V L P J J R R A M G Q D T G K S L V E D D T K L D Y C K E M L A K A E K N G V K L L L P J J R R A A L G K N V G K S K C E D D K V E L A S E L L K K A N G K I V L P J J R R A A L G K N V G K S K C E D D K V E L A S E L L K K A N G K I V L P J J R R A K E K G C D L V L P J J R R A K E K G C D L V L P J J R R A K E K G C D L V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I V L P J J R R A K E K A G C E I C E D D K L D L A R E I M G K A K A K G V K L L L P J J R R A K E K A G C E I C E D D K L D L A R E I M G K A K A K G V K L L L P J J R R A K E K A G C E I G T S L L E E D R I E M A K E F L A K G G D K L V L P J J R R A K E K G C D K L D L A R E I M G K A K E K A G C E L V L P J J R R A K E K G C D K L D L A R E I M G K A K E K K G C D K L L L L L P J J R R A K E K A G C E L C E D D K L D L A R E I M G K A K E K K G C D K L L L L P J J R R A K E K G C D K L L L L P J J R R A K E K G C D K L L L L P J J R R A K E K G C D K L L L L P J J R R A K E K G C D K L D L A R E I M G K A K E K G C D K L L L L P J J R R A K E K A G C E L C E D D K L D L A R E I M G K A K E K G C D K L L L L P J J R R A K E K G C D K L D L L L L L L L L L L L L L L L L	UniRef90_UPI00016C0EE5	FMK AQGKPIVIGNSILLIEADKIVIEYAGEMILIQKAKDKGIVINILLIP
JniRef90_F0W837 F Y K A M G Y N V G K S I V E N D K I Q M A K S M K K A E E G V E C V L P JniRef90_R6WEQ7 F L A A Q G K S I G T S L F D D T K L D Y C K E M L A K A E K N G V K L L L P JniRef90_UP1000368D262 JniRef90_R5LYE7 JniRef90_A3UHA1 JniRef90_A3UHA1 JniRef90_R5VYE7 F L K A K G Y E I G K S L V D D T K D Y C K E M M A K A E S L G K K L L L P JniRef90_R5VYE7 JniRef90_R5VYE7 F L K A K G Y E I G K S L V D D T K D Y C K E M M A K A E S L G K K L L L P JniRef90_R5VYE7 JniRef90_R5VYE7 F L K A K G Y E I G K S L V E R D L I D T A K A I E D A A G E A Q C Q I L L P JniRef90_R5VYE0 JniRef90_R5VYE0 JniRef90_R5VYE0 F K K A L G G H I G A S L C E S D M A G T A R E I M Q K A K E A G V N L V L S JniRef90_B5JLN4 F A K A Y G G K V G S S L C E D D K M D V A R A I V E K A K A K G V H L V L P JniRef90_B5JLN4 F A L A N G K T V G D S L K E D S M V E M T A E L Q K K A K A K G V H L V L P JniRef90_B9Y3M2 JniRef90_B9Y3M2 F L K A Q G K E I G T S L L E E D R I E M A K E F L A K G G D K L V L P JniRef90_B9Y3M2 JniRef90_B9312 F L K A Q G K E I G T S L L E E D R I E M A K E F L A K G G D K L V L P JniRef90_B6W3T2 JniRef90_UP10004703F7C JniRef90_W8VZM7 F I K A Q G G N II G D S L V E A D S V A E A G R L I D E A Q G R G V K L L P P I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L P P I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L P P I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L P P I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L P P I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L L P P I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L L P P I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L L P P I K A Q G G N II G D S L V E D D K Q E L A L E L L E K A Q S L L E L A L R I L E L L E K A Q S L L E L A L R I L E L L E K A Q S L L E L E L L E K A Q S L L E L E L L E K A Q S L L E L E L L E K A Q S L L E L E L L E K A Q S L L E L E L L E K A Q S L L E L E L L E K A Q S L L E L E L L E K A Q S L L	UniRef90_E8X372	FLIR AMGQDTGKSLVEVDKVDVAGETLKKAAAKKGVRFLLF
JniRef90_R7GI34	UniRef90_F0W837	FYK AMGYNVGKSI VENDKI QMAKSIMKKAEELGVELVLP
JniRef90_UPI000368D262 F	UniRef90_R6WEQ7 UniRef90_R7GI34	FLKALIG KNVGKSKCEDDKVELASELLKKA NGKIVIP
JRINEREYOU_RSJLYE/ JRINEREYOU_RSJLYE/ JRINEREYOU_RSJLYE/ JRINEREYOU_RSJUHA1 F L A A R G H D V G G S L Y E R D L I D T A K A I E D A A G E A Q C Q I L L P JRINEREYOU_RSJUHA1 F L A A R G H D V G G S L Y E R D L I D T A K A I E D A A G E A Q C Q I L L P JRINEREYOU_RSJUHA1 F R K A L G G H I G A S I C E D D K L D L A R E I M Q K A K E A G V N L V L S JRINEREYOU_RSJUHA1 F A K A Y G G K V G S S L C E D D K M D V A R A I V E K A K A K G V H L V L P JRINEREYOU_RSJUHA1 JRINEREYOU_RSJUHA1 F A K A Y G G K V G S S L C E D D K M D V A R A I V E K A K A K G V H L V L P JRINEREYOU_RSJUHA1 JRINEREYOU_RSJUHA1 F A K A Y G G K V G S S L C E D D K M D V A R A I V E K A K A K G V K L L L P JRINEREYOU_RSJUHA1 JRINEREYOU_RSJUHA1 F L K A Q G K E I G T S L L E E D R I E M A K E F L A K G G D K L V L P JRINEREYOU_RSJUHA1 JRINEREYOU_RSJUHA1 F L K A Q G G R G V K L L L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K L L L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSSJUHA1 F L K A Q G G R G V K V H L P JRINEREYOU_RSSJUHA1 F L K A C G G R G V K V H L P JRINEREY C R R G R L I D E A Q G R G V K V H L P JRINEREY C R R G R G V K V R R D R G R G V K V R R R I R G R G R G V K V R R R I R G R G R G V K V R R R R R R G M R R I R R R R R R R R R R R R R R R R	UniRef90_UPI000368D262	FLA AEGVKVGKSLQEGDMHETARTLAARAKEKG <mark>C</mark> DLVLP
JniRef90_K9HHG1 F		FILIK AKGYEJI GKSIL VIDDTKII IDY <mark>C</mark> KEMMAKAESILGKKIL L IP FILIA ARGHDIVIGGSI IVERDII I IDTAKAI I FDAAGEAO <mark>C</mark> OLLI ID
JniRef90_R5V0F0 F K K A L G G H I G A S I C E D D K L D L A R E I M Q K A K E A G V N L V L S JniRef90_C3J8S3 F A K A Y G G K V G S S L C E D D K M D V A R A I V E K A K A K G V H L V L P JniRef90_B5JLN4 F A L A N G K T V G D S L K E D S M V E M T A E L Q K K A K A K G V K L L L P JniRef90_B9Y3M2 F L K A Q G K E I G T S L L E E D R I E M A K E F L A K G G D K L V L P JniRef90_A9B312 JniRef90_B6W3T2 JniRef90_UP10004703F7C JniRef90_UP10004703F7C JniRef90_W8VZM7 F L K A Q G G N I G D S L V E A D K L A E A K R Y L E L A N G K I L P JniRef90_W8VZM7 F I K A Q G G N I G D S L V E A D K L A E A K R Y L E L A N G K I L P F I K A Q G G N I G D S L V E A D K L A E A K R Y L E L A N G K I L P JniRef90_W8VZM7	UniRef90_K9HHG1	FLI FAKĞÜEL ĞKSL <mark>C</mark> ESDMAĞTAREL MEKAEKAĞ <mark>C</mark> EL VL
JniRef90_B5JLN4 F A L A N G K T V G D S L K E D S M V E M T A E L Q K K A K A K G V K L L L P JniRef90_B9Y3M2 JniRef90_B9Y3M2 F L K A Q G K E I G T S L L E E D R I E M A K E F L A K G D K L V L P JniRef90_A9B312 F L K Q Q G V E I G R S L V E N D K L D V A E S A L N R A K E L G V N V L L P JniRef90_B98312 JniRef90_B98312 JniRef90_UP10004703F7C JniRef90_UP10004703F7C JniRef90_W8VZM7 F L K A Q G G N I G D S L V E A D S V A E A G R L I D E A Q G R G V K L L L P JniRef90_W8VZM7 F I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L P JniRef90 W8VZM7 F I K A Q G G N II G D S L V E A D K L A E A K R Y L E L A N G K I L P	UniRef90_R5V0F0	FKKALLGG HI GASI CEDDKLDLAREI MQKAKEAGVNLVLS
JniRef90_V1CLB3 F L K A K G Y E V G K S L L D E D S I G L A R S V M D K A K E K K V E F L V P JniRef90_B9Y3M2 F L K A Q G K E I G T S L L E E D R I E M A K E F L A K G G D K L V L P JniRef90_B9Y3M2 F L K A Q G K E I G T S L L E E D R I E M A K E F L A K G G D K L V L P JniRef90_B9Y3M2 F L K Q Q G V E I G R S L V E N D K L D V A E S A L N R A K E L G V N V L L P JniRef90_A9B312 F L L A Q N K A V G A S L V E A D S V A E A G R L I D E A Q G R G V K L L L P JniRef90_E6W3T2 F L S A Q G L R T G K S M V E E S M K E Y S L Q L L A T A Q R K G V K V H L P JniRef90_UP10004703F7C F F A A Q G H K I G T S L L E A D K A E A K R Y L E L A N G K I L P JniRef90 W8VZM7 F I K A Q G G N I G D S L V E D D K Q E L A L E L I E K A Q S L G T O I H I P	UniRef90_B5JLN4	F ALANGKTVGDSLKEDSMVEMTAELQKKAKAKGVKLLLIP
JNIRE19U_B9Y3M2	UniRef90_V1CLB3	FLK AKGYEVGKSLLDEDSI GLARSVMDKAKEKKVEFLVP
JniRef90_A9B312 FL L A Q N K A V G A S L V E A D S V A E A G R L I D E A Q G R G V K L L L P JniRef90_E6W3T2 FL S A Q G L R T G K S M V E E S M K E Y S L Q L L A T A Q R K G V K V H L P JniRef90_UP10004703F7C F F A A Q G H K I G T S L L E A D K A E A K R Y L E L A N G K I L P JniRef90 W8VZM7 F I K A Q G G N I G D S L V E D D K Q E L A L E L I E K A Q S L G T Q I H I P		FILIK A Q G K E II G I S IL LIE E D R II E M A K E FILIA K G G D K IL V L P FILIK V Q G V E II G R S II V E N D K II D V A E S A II N R A K E I G IV N V J I I P
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		FIK AQGGNIGDSL VEDDKQELALEL I FKAQSIGTQI HI P

	200
UniRef90 UPI00047B70BB	290 300 310 320 [L]D <u>S</u> V V A <u>S</u> H F A P D A E Y K <u>T V </u> T <u>N</u> E E P A E W L G V D G E K T <u> V </u> A L
UniRef90 K4KX79	ODIV V VITILIE E K A D A P E RIVIA EIVIS NILLIPE E MAILIDILIG P A S A EILI
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UniRef90 D1AWF2	ID IV VAKEFNNDVEHHI VSV DEVKEDEMGLDI GPASIEL
UniRef90_A7NKY6	IDTVVAKEFNNDVEHHIVSV DEVKEDEMGLDIGPASIEL TDVVIADAFSADANRKVVPV GEIPPGWRALDIGPETIRA VDHRIASEFKD VEATVTEDQNIPAGFMGLDIGPKTEAL
UniRef90_R6KME1	I D T V V A K E F N N D V E H H I V S V D E V K E D E M G L D I G P A S I E L T D V V I A D A F S A D A N R K V V P V G E I P P G W R A L D I G P E T I R A V D H R I A S E F K D V E A T V T E D Q N I P A G F M G L D I G P K T E A L I D H V V A K E F S N D A E A K N T D D E N I P D G W M G L D I G P K T V E O V D A V A A D K F F S S A A T O I V D K T G A I P D G W M G L D I G P K T V E O
UniRef90_G9XDJ8 UniRef90 O02609	I D H V V A K E F S N D A E A K N T D D E N I P D D F M G L D I G E K T V K M V D A V A A D K F E E S A A T Q L V D K T G A I P D G W M G L D I G P K T L E Q
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UniRef90_Q1JZ49	<u>V</u> D H V <u>T</u>
UniRef90_Q4N755	CDFIVVITTTFSNDGPII IKILIASETQGIVIPDGWMGILID <mark>C</mark> GPKSIVIEK
UniRef90_R7AEQ8 UniRef90_UPI00042367A0	VDTVVTKEFKNDTPFHVVEAGQQ EDDDMGMDIGPKT <mark>C</mark> AL VDVVVGDDFSNDANTQIV DLENIPADWEALDIGPKT <u>R</u> E <u>K</u>
UniRef90_UPI0003B6C619	VDHVVGDSFKENAQ <mark>C</mark> KVIT TIENGWMGLDIGPETIEL VDTTIAASFPNPLDAPLTVASDAIPQDQMGLDIGPKT <u>M</u> EL
UniRef90_R6H8G3	V D V V V G D D F S N D A N T Q I V D I E N I P A D W E A L D I G P K T R E K V D H V V G D S F K E N A Q C K V I T T I E N G W M G L D I G P E T I E L V D T T I A A S F P N P L D A P L T V A S D A I P Q D Q M G L D I G P K T M E L
UniRef90_UPI0003120640 UniRef90_A9TC11	I D S V V A K E F K N D S P A E T V D G S I P D G Y M A L D I G P K S V E L V D V T A A D K F S P E A N T Q V C S S S N I P A G W M G L D I G P K A I D Q
UniRef90_A9TCTT	T DIVI VIA D N F A P D A N D O T IVISIVI F A II IP D G WM GII IDII IG P D S II IKIVI
UniRef90_Q6H6C7	<u>I D V V V A D K F A A D A E S K I V A A S A I P D G W M G L D V G P D A I K I </u>
UniRef90_S6G8F1	I DVACNTDF ADTTPTYFENNI PDDWMGMDAGPKTI EA VDAVAADKFANDADSY <u>VA</u> EGDI KDGYMGLDI GPKSLEL
UniRef90_C5RCR5 UniRef90_R5B7I0	VID TIV VIA KAFAADAF H M TIVIAS NA II IPAG WOGII IDII IG F K T R F II I
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UniRef90_K9P912	
UniRef90_UPI0003B3064A UniRef90_E3T6P1	VDSMNAKEFKENTEVK LTTFKEI PEDMMGLDIGPATTKL VDVI VAKEVTRGTEYKTLPAEK LPASWHI VDLGKVSQEQ
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UniRef90_UPI0003741BC6	EDTVVAKEURKGTEFYTVLL NAUPDDMUGLDIGULTVRK
UniRef90_D6S5V8 UniRef90_K3X5U1	VDNVAATEFSNDASREVVGD DIPDNEMGLDIGPKTVEL TDVVVADRFDADANAKTV DPHTIPSDWMGLDIGPETRWQ
UniRef90_N3X301 UniRef90_UPI000374E003	QDVVVADDFGEDVNTKIVPIEE I PADWEALDI GTETVKT
UniRef90_D6Y128	V D A V A K E F G A D V E A D T V D I D K I P A D Q M S L D I G P K T L E T
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UniRef90_R7LC10	
UniRef90_E8SKF1 UniRef90 Q5ENR9	
UniRef90_T0UF08	I DAVVADAFSNDANTKIA DVDQI EDGWMILDI GPKTREL VDSVAATEFKNDAETK LFDEDI PEGYMGMDI GPKTI ER
UniRef90_H3NBS4	V D S V A A T E F K N D A E T K L F D E D I P E G Y M G M D I G P K T I E R V D H V C A D A F A E D A K T V V A D N E N I P A D Y M G L D I G P K S V A L
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UniRef90_B9EAG8	I I D A KIVIT K E F S N D G E II IE AIVI AII ID HII IP A DIL IQ SIL IDII IG P K TIVIE IL I
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UniRef90_Q08SA6 UniRef90_Q0A4Q5	TDVVVGREESADTOA VVKRVDEVDEDMUEDU GPETAOR
UniRef90_R7DHH7	VDAKI ADAFSNDANTKI VPVNQ I PDGWEGLDI GPESEKI
UniRef90_W0FR79	EDTIV VIATEFAPDAESKV VPS MEI PDGWEGLDI GPKT TET
UniRef90_B3EQD1 UniRef90_U1XWG9	EDVIAASEFSGDA TGEI VASDAI PEDBMGMDI GPKTII DT
UniRef90_UPI00046ABC9A	T D A KII A D S F S N D A K T Q Y A P N N E II P D G W E G L DII G P D S II E T
UniRef90_W4HC99	TDTVAANAFAPDAESKVVPTTGAIPDGWQGLDIGPETTKA IDFVTGDKFDENANTGVATVESGIPAGWMGLDCGPKSLKA TDVVLADAFSADANTQVASVDA IPDGWMGLDNGPDSTSL VDHVVANEPTEKG VKSETPDRAIPADLMGLDIGPETAQR VDAKIADAFSNDANTKIVPVNQ IPDGWEGLDIGPETAQR VDAKIADAFSNDANTKIVPVNQ IPDGWEGLDIGPETAQR VDAKIADAFSNDANTKIVPVNQ IPDGWEGLDIGPETAQR IDVVATEFAPDAESKVVPS MEIPDGWEGLDIGPETATEDVIAASEFSGDAETMAVPVGG IPENMMGLDIGPETTATEDVIAASEFSGDAETMAVVSGVBEGLDIGPETTATTDVVADAFSNDAKTQYAPNNE IPDGWEGLDIGPETQAVVDGGVGAYEFKAGAPNHTYGI DAIPEDGWEGLDIGPETQAVVDGGVGAYEFKAGAPNHTYGI DAIPEDGWEGLDIGPETQAVVDGGVGAYEFKAGAPNHTYGI DAIPEDQMILDVGPETQAVVDGGVGAYEFKAGAPNHTYGI DAIPEDEWLGLDVGPETQAVVDGGVGAYEFKAGAPNHTYGI DAIPEDEWLGLDVGPETQAVVDGGVGAYEFKAGAPNHTYGI DAIPEDEWLGLDVGPETQAVVDGGVGAYEFKAGAPNHTYGI DAIPEDEWLGLDVGPETQAVVDGAVARA
UniRef90_I4YTT2 UniRef90_UPI000472A0FC	VDGVCAYEFKAGAPNHTYGI DAI PEDQMILDVGSQSVER SDVVTGKAFDANTETNVRT FDAI PEDEMGLDI GPKTVER TDVVVNAGFPAGDTAPEVVAADAI PADKMGLDI GPESQKL
UniRef90_Q8G6D6	T D V V N A G F P A G D T A P E V V A A D A II P A D K M G L D II G P E S O K L
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UniRef90_F7YXM7 UniRef90_V5WHC9	V D A V A Q K M E P G V E K K V V K L S E G I P E G W M G L D I G P E T V S L U D H V V A A D F K E D A T P E P V D D V V P A G K L A M D I G P K S L Q K M T T T T T T T T T
UniRef90_V5VVHC9 UniRef90_K4LS41	EDLAI APADGNGSLR VVDSDAVPSGWRALDI GPRTAER
UniRef90_UPI00016C0EE5	V D T V V G K E F K N D T E F K V V E E I P D G W A G Y D I G P K S I A I
UniRef90_C1DTN7	
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UniRef90_R6WFQ7	VDTVVAKAFPDPIDAALTVSSDSI PADMMGLDI GEKTREL
UniRef90_R7GI34	VID TIV VIA KEFS N DIVP F K TIVISIVI D DIL A S D E MGL DLIG Q K S VEE
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UniRef90_R5V0F0 UniRef90_C3J8S3	T D A V V A K E F K A H A D R R V A E V D D II Q A T E MI L D C G P E T V D Q T D V V V A D K F E E G A A N E T V P A D A V P A D K MI L D I G P D S V E A D Q A V I A D S F S N D A N T K L A N P M D I P D G W E G L D I G P E T R E K V D A K V A D A F S N D A N T Q V A P V D N I P D G W M G L D V G P K T M A L
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UniRef90_V1CLB3	I DAVCGREFKNDTELITV DADKI PSDMMGLDI GEKTVEL
UniRef90_B9Y3M2	VDSVVANAFENATEVKTV SNDELPAGFMGLDI GPKSVEL
UniRef90_I4EEF7 UniRef90_A9B312	VDTVVAKEFSNDVPFKTVSV DDI ASDEMGL DI GQKSVEE VDAVVSREFKAGAESSVVPV DQVPDDTML DAGPKTAEL VDAVTI ADFPNPI DAPVVYDADKMPADREGCOI GPKTQAL TDAVVAKEFKAHADRRVAEV DDI QATEMI L DCGPETVDQ TDVVVADKFEGAANETVPA DAVPADKML L DCGPETVDQ TDVVVADKFEGAANETVPA DAVPADKML L DCGPETREK VDAKVADAFSNDANTKLANPMD I PDGWEGL DI GPETREK VDAKVADAFSNDANTKLANPMD I PDGWMGL DVGPKTMAL I DNVTVDSFDFSTMTGESDAEGNI PAGWEGVDI GPKTTEL I DAVCGREFKNDTEI I TV DADKI PSDMMGL DI GEKTVEL VDAVCGREFKNDTEI I TV DADKI PSDMMGL DI GEKTVEL VDAVVAGKLSADAPRRTVPI NEVGPD DAI FDI GPKSVEL VDAVVAGKLSADAPRRTVPI NEVGPD DAI FDI GPKTRQA SDVVVADAFSAEANTQVLSI DDVPDGWRL DI GPETRQT VDHVAGREFSE VTEKLITPDAHI PDGYMGL DI GPKTIEL VDSVTADSFSENA TRDI APIDNI PDGWMGL DI GPKTIEL
UniRef90_E6W3T2	VDHVAGREFSE VTEKLITPDAHIPDGYMGLDIGPRTRQA
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UniRef90_W8VZM7	VDSVTADSFSENA TRDITAPIDNI PDGWMGLDI GEESRKK

UniRef90_UPI00047B70BB	330 340 350 360 YADKI KNAKTVI WNGPMGVFEMPAFAVGTKAI AKALTESQ
UniRef90_K4KX79 UniRef90_R6BCM6	FAEAILPAKTVI WNGPMGVFEMENFARGTEQI ALAMAR <mark>C</mark> Q YQNELSKAKTVI WNGPLGLFEFDQFAIGTNAI AEYLG
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UniRef90_UPI00035F69C2 UniRef90_Q1JZ49	F E E V L K A A K T V V W N G P M G V F E M D A F A Q G T N K V A E V L A Y A A K M T E A A T V V W N G P M G V F E F P A F A K G T F A V A E A L A K S D
UniRef90_Q4N755 UniRef90_R7AEQ8	FSEPVLTAKTI VWNGPLGVFELPNFSKGSNEVLDLVVKAT
UniRef90_UPI00042367A0	Y S E V S D S K V I WN G P M G V F E L D L Y A N G T K A V A K A M A E T E
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UniRef90_UPI0003120640 UniRef90_A9TC11	FENTLRDAKTVVWNGPMGVFEFFKFADGTTAVAKTLAGIT
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UniRef90_C5RCR5 UniRef90_R5B7I0	F K S V L A D A K T V V W N G P M G V F E M P N F A K G T L A I G E E L V K V T F A A E I K N A K T V I W N G P M G V F E F P E F A K G T E A V A K A C A F C G
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UniRef90_UPI0003B3064A	FEEAMADAKTI VWNGPMGVFEMEKFRFGTMEI GKLVA S
UniRef90_E3T6P1 UniRef90_B0S1H0	FDEEI QKSKT VWNGPLGVFEI PSFAHGTNAVARMLADAA FDEEI QKSKT VWNGPMGVFEI EQFSKGTFEI ANSL VKSK
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UniRef90_U4KPL3 UniRef90_UPI0003FC85E1	FADII L KTAKTIV V WN G P M GIV F E M S N Y A A G T T G V C E A I A N F T A I I N T A K T V V WN G P M G V F E F P K F A F G T K D V A II A I I S K T K
UniRef90_Q6SI09	350 360 370 370 370 370 370 370 370 370 370 37
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UniRef90_E8SKF1 UniRef90_Q5ENR9	
UniRef90_T0UF08 UniRef90_H3NBS4	YVEALAPMKTI I WNGPMGVFEMENFAAGTNAVAKAVAESD
UniRef90_R7G8Z0	YKEAL A GAKTV VWN GPMGV FEMKPFANGTLEV CTAI SE
UniRef90_S5MI22 UniRef90_B9EAG8	F G K E L E G A K T V W N G P M G V F E F E N F K K G T V G V C E A T A N L N F G K E L E G A K T V V W N G P M G V F E M S N F A K G T V G V C K A T A E
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UniRef90_UPI000472A0FC	FKELIESAKTVVWNGPQGVFEMEAFANGTLETTKALANLN
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UniRef90_B5JLN4 UniRef90_V1CLB3	FTKA EKANT I WNGPMG FESDAUNKG FA V AKA AENQ FTKA EKANT I WNGPMG V FEMDNFENGT <u>R</u> K AEA L GK <u>S</u>
UniRef90_B9Y3M2 UniRef90_I4EEF7	FKKELLQGAKTIV VIWNGPMGIVIFENPAYANGTILEIV <mark>C</mark> KAII SELLP FAAALLANTRTIV VIWNGPMGIVIFEIVIAPFADGTRGIVIADAVIARST
UniRef90_A9B312	Y S Q V V S E A K T V I WN G P M G V F E L E P F A A G T R A V A Q A L A D
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		370 380 390 400
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UniRef90_UPI000479CFB9	E AIS	I VIG G G D SIVIA AIVIK Q A GIVIA D QIL IT <mark>H</mark> IL IS T G G G A SIL IF F IL I
UniRef90_P50313 UniRef90_R7D7T6	S Q G A T S D C D S	I I G G G D T V N L V Q Q E K A T Q K V S H V S T G G G A S L E L L V I G G G D S V A A V N K F G L A D K M T F I S T G G G A S M Q L V
UniRef90_UPI00035F69C2	GLDA <u>M</u> T	I
UniRef90_Q1JZ49 UniRef90_Q4N755	A L S E K G A T S	I I G G G D S V A A V N Q A G L N D Q M T H I S T G G G A S L E F L I I G G G D T A S L A E S T G K A P K L S H V S T G G G A S L E L L
UniRef90_R7AEQ8	D ATT	l
UniRef90_UPI00042367A0 UniRef90_UPI0003B6C619	G Y T A T S	VI GGGDSAAAVEKFGYAEQMDHVSTGGGASLEFM I VGGGDTASA <mark>V</mark> KE <u>FGL</u> ENK <u>M</u> SHISTGGGASLEFL
UniRef90_R6H8G3	ΑVT	I VGGGDSAAA <mark>Č</mark> EQLGFAGKÜTHI STGGGASLEFL I VGGGDS <u>T</u> AAVQQLGVADKLTHI STGGGASLEFL
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UniRef90_Q5ENR9		
UniRef90_T0UF08 UniRef90_H3NBS4	A M T A II T	VI GGGDS VA A LEKS GLADKUST GGGAS LEFL I I GGGDS A TA A ES L GFA EDFS HI STGGGAS LEFL VI GGGDS A TA A ES L GFA E KFS HI STGGGAS LEY L VI GGGDS A A A A I QL GFA E KFS HI STGGGAS LEY L LI GGGDS A A A A MOLGFA DKFT HI STGGGAS LEY L
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UniRef90_U1XWG9 UniRef90_UPI00046ABC9A	CTS HNGAFS	I I G G G D S A A A V Q Q L G Y A D K M T H I S T G G G A S L E F M I I G G G D T A T C C A K W G T E D K V S H V S T G G G A S L E L L I G G G G D T A T C C A K W G T E D K V S H V S T G G G A S L E L L I I G G G G K S V G A V E K A G L A D K M S H I S T G G G A S L E F L I I G G G D S A A A V Q Q M G Y G D K M S H V S T G G G A S L E F L I L V G G G D S V A C V N K F G L A D K I S Y I S T G G G A S L E F L L V G G G D S V A C V N K F G L A D K V S H I S T G G G A S L E F I I I V G G G D S A A A V M K A G L A S G L T H I S T G G G A S L E F L V L V G G G D S V A A I N K F N L A D K M S W I S T G G G A S L E F L V L V G G G D S V A A I N K F N L A D K M S W I S T G G G A S L E A I I I G G G D S V A A V E Q C G L A K E M S H I S T G G G A S L E L L V A G G G D S V A A L N H A G V A D D F T Y V S T A G G A F L E W L I V G G G D S A A A V A K F G L E D K F S H I S T G G G A S L E Y L V G G G D S A S A V A N L G F E D G F S H I S T G G G A S L E Y L V G G G D S A S A V A K K L G F E D K F S H I S T G G G A S L E Y L V I G G G D S T A A V K K L G V G D K L T H I S T G G G A S L E Y L V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E Y L V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E Y L V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T H I S T G G G A S L E F L V I V I G G G D T A A A V K K L G V G D K L T T T T T T T T T T T T T T T T T T
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UniRef90_Q38Y20 UniRef90_F7YXM7	LSGATT G <u>T</u> T	V G G G D S A A A V M K A G L A S G L I H I S I G G G A S L E F L I G G G D S V A A I N K F N L A D K M S W I S T G G G A S M E L V V G G G D S V A C V N K F G L A D Q M S Y V S T G G G A S L E A I I G G G D S V A A V E Q C G L A K E M S H I S T G G G A S L E L L V A G G G D T V A A L N H A G V A D D F T Y V S T A G G A F L E W L I V G G G D S A A A V A K F G L E D K F S H I S T G G G A S L E Y L V G G G D S T A A V K K L G V G D K L T H I S T G G G A S L E F L V G G G D T A A A V K F G L E S A Y S H V S T G G G A S L E F L V G G G D S V A A A N K F K L A D R M S H V S T G G G A S L E F L V G G G D S V A A A N K F K L A D R M S H V S T G G G A S L E F L
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NAT	UniRef90_U1Z3M2	1
NA	UniRef90_Q2LUS5 UniRef90_A0M6J2	SKKTI RELEFAGKRVI MRVDFNVPLKDGVI QDDTRI A
NA	UniRef90_B6IWR7 UniRef90_UPI00035F0BD3	MAFKTLDDLSVAGKTVLVRGDLNVPVQDGRVSDTTRLD KTLSDINFKDKKALIRVDFNVPLDENFVTDDNRIT
NA	UniRef90_M3X821 UniRef90_UPI00037FA31C	S L S N K L T L D K L N V K A K W L I M R V D F N V P M K N N E I T N N Q R L K I E N F D F K G K R V F V R V D F N V P M D E N K I T D D T R M R
NA	UniRef90_D2AVB9 UniRef90_B4SHF6	K D L S E L D V K G R R V L V R A D L N V P L D G D V I T D D G R l R M Q K K S L S D I A I Q G K R V L M R V D F N V P L D S N K I T D D K R I I
NA	UniRef90_R5LGL9 UniRef90_K1LWY3	MI_N K K S V E D I
NA	UniRef90_UPI00030C06DA UniRef90_UPI0003B44B4A	E G K K V L V R V D F N V P L N D G E I T D D T R I R N K K S V D D I N V S G Q R V L <mark>C</mark> R <u>C</u> D F N V P L K D G K I T D E N R L V
NA	UniRef90_Q7WTU1 UniRef90_UPI00040D6295	MTNKKELKDVQVKGKKVLVRVDFNVPMKDGQVTDDNRII TVDKLNFANKKALVRVDFNVPLDADFIITDDKRIIT
NA	UniRef90_A3HYI3 UniRef90_S5ZMT7	L K NI D N L S F E G K K A L V R V D F N V P L D G E F V T D D T R I Q K T V K D T E L K G K R I I M R V D F N V P M K D G K I Q D D T R I T
NA	UniRef90_D0WM12 UniRef90_Q1NR46	K I I D I L DL A GK K V F V R S D F N V P L D E N N I I D D G R I R K N I R D L D I R G K R V L I R V D F N V P I D Q G N I T D D L R I R
NA	UniRef90_R7CI29 UniRef90_UPI00047BAE4F	KKTLKDYNFDDKTVLLRCDFNVPMKDGVITDDTRIIQ
NA	UniRef90_A3XKI4 UniRef90_R1F485	N K R L L R S V S V A G K R V L I R C D F N V P Q D P S K I T N T A R L E
NA	UniRef90_Q01Y83	MSYLSLRDLDLKGKRVFIRVDFNVPLQKNDITSDKRIK
NA	UniRef90_UPI00046FAA3B	KTINDENKKALIRVDENVPLNEGEVTDTTRIE
NA	UniRef90_F8F3M0	I K T V R D V N L K G K R V V M R V D F N V P M K D G K V Q D D T R I V M S F I T I K D V D L K N K K V I V R V D F N V P V K D G K V T S K V R I F
NA	UniRef90_R7F1P8 UniRef90_R7.IFN8	I K DENFEGKRAL VRVDENVPL DNGHI T DDTRI R
NA	UniRef90_A7I8J6 UniRef90_UPI0002ECD28A	MQKKTVEDEEVYGKRVLVRADFNVPMRNGTIEDDTRIR KKTVEDVELKGRKVLLRADENVPMSDGDITNDNRIV
NA	UniRef90_E6S9K2 UniRef90_K7SCU8	K T I G D L D L R G K R V L V R S D L N V P L E Q T T I T D D G R I R F R T L D N L E A R G K R V L V R A D L N V P M H D G V I T D A T R I E
NA	UniRef90_X8IRC6 UniRef90_P41760	K K T V R D L D WA G K T A V V R C D F N V P F V D G K I S D E T R I V T L N E K K S I N E C D L K G K K T L V R V D F N V P V K G G V I T N D Y R I R
NAT	UniRef90_UPI000427E514 UniRef90_A9DRW9	MSAFKTLDDVDVRGKTVLVRGDLNVPVEDGHVSDTTRLD KTLNDFNFKDKKALIRVDFNVPLNDQYVTDDTRIR
JAIRGE90 FACEG4 JAIRGE90 B1GZE7 JAIRGE90 B1GZE7 JAIRGE90 B1GZE7 JAIRGE90 E4RTX5 JAIRGE90 E4RTX	UniRef90_A1APN7 UniRef90_Q7NI70	
JAIRRÉ90 DE 16ZE7 JAIRRÉ90 CAYMSP1 JAIRRÉ90 CAYMSP1 JAIRRÉ90 CAYMSP1 JAIRRÉ90 CAYMSP3 JAIRRÉ90 CA	UniRef90_F4CEG4 UniRef90_B8LCH6	K T E D F N F S G K K A L V R V D F N V P L D E N F I T D D N R I K M A T K <mark>C C</mark> S D L D L K G K K V L V R <mark>C</mark> D L N V P L D G K T I T D D T R I R
JAINERGY LERINS JAINERGY LERIN	UniRef90_B1GZE7 UniRef90_C7M5R1	KNTLKDIIDVKGKKVLVRVDYNVPLDANKIITNDKRIIA KTIDNFNFAGKKALIRVDFNVPLDENFVTDNTRIE
JARRE90 JARA-69 JARRE90 JARRE9	UniRef90_E4RTX5 UniRef90_H5UTP0	KIVDSFDFAGKKALVRVDFNVPLNERFIIDDIRIK KIIDNLDLHGKTVLVRSDLNVPLDENRITDDGRVR
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Tinker90_CQ8083	UniRef90_B0SB21	L E E QNL K G K RV F V R V D F N V P V E N G K A T D R T R I E
Jirikef90_J7ZQLZ5	UniRef90_Q0B083	RSLKELELKGQRVLMRVDFNVPTDKGNI IDDTKMR KSVRDFDLRGKRVLDRADFNVPMDRKQLTDDLRUC
	UniRef90_J7QUA7 UniRef90_A7ZEZ5	MTAFRTLDDVDVKGKRVLLRVDLNVPMEDGRVTDATRIE MSDILSINDLELNGAKVFIRCDFNVPMDEFNITDDRRIR
Jaire Go COBLY Jaire Go COBLY Jaire Go Cobl	UniRef90_G1UTG1 UniRef90_D7A7B5	
JniRef90_UP100037F462E	UniRef90_C0BLY6 UniRef90_F4Q5T2	K T L S D F N F K D Q V A L I R V D F N V P M N E Q Q V T D T N R I T I S N K L C L D N V N L K E K R V L I R V D Y N V P I K D G K V T N S F R I V
JAIRE190_OA0A016QNL9 JAIRE190_A0A016QNL9 JAIRE190_A0A016QNL9 JAIRE190_DAIRE100_A0A016QNL9 JAIRE190_UPI000401ABAB JAIRE190_UPI000375588C JAIRE190_QAIRE100_A0A016QNL9 JAIRE190_QAIRE100AIRE100AIRE10AIR	UniRef90_M1FFN7	KTLNDENEKNKKAIIRVDENVPLNDTEVTDATRIE MALKKMTNLNLAGKRVLIREDLNVPLKNGSITSDARIR
Juiref90	UniRef90_A0A016QNL9	QTLDQLDVNGKRVLVRVDYNVPLKDGVVQDDTRVT
JniRef90_Q7XYJ9 JniRef90_Q7XYJ9 JniRef90_G2Z3 JniRef90_D4JVV4 JniRef90_E0RYT8 JniRef90_UPl0003793156 JniRef90_UPl0003793156 JniRef90_G8AIP6 JniRef90_G8AIP6 JniRef90_G7T1CM67 JniRef90_G0IZF8 JniRef90_UPl0003B51985 JniRef90_UPl0003B51985 JniRef90_UPl0003B51985 JniRef90_UPl0003B5447B JNIREfDUBARA JNIREFDUBARA JNIREFDUBARA JNIREFDUBARA JNIREFDUBA	UniRef90_UPI000401ABA8	TI D KEN FA GK RA FIVRIDE NIVEL DENELT D D TRUR
JniRef90_F9ZT45 JniRef90_D4JVV4 NKKNVEDLQVKGRKVLVRVDFNVPLKNGEITDDTRIR NKKSVDDINVKGRRVLVRDFNVPLKNGEITDDTRIR MSNFQNHNFAGGQKALIRVDFNVPLNDKFITDDTRIR MT F N T I D D L D V N G K T V L V R A D L N V P M Q D G K V S D T T R I D L N G K R V L I R V D F N V P L N G K F I T D D T R M R JniRef90_D4JVV4 NKKNVEDLQVKGRKVLVRVDFNVPLKNGEITDDTRIR MT F N T I D D L D V N G K T V L V R A D L N V P M Q D G K V S D T T R I D K T V L V R A D L N V P L N G K F I T D D T R M R JniRef90_D4JVV4 NKKNVEDLQVKGRKVLVRVDFNVPLKNGEITDDTRIR MT F N T I D D L D V N G K T V L V R A D L N V P L N G K V T D D T R I R MT S R A I I D T Y S F E D Q T V F V R V D F N V P L D E K F I T D D T R I R MN K K S V G D L D L K G K K V F V R A D L N V P L D E K F I T D D T R I R MN K F Q N H N F A G K K K A F V R V D F N V P L N E A E V T D T T R I D KY L D S V D L K G K K V L V R V D F N V P L D E K F I T D D T R I R MN K K S V D D I N V K G R R V L V R V D F N V P L N E A E V T D D T R I R MT E F N T I D D L K G K K V F V R A D L N V P L D E K F I T D D T R I R MN K K S V D D I N V K G R R V L V R V D F N V P L D E N F I T D D T R I R MT S R A I I D T Y S F E D Q T V F V R V D F N V P L D E N F I T D D T R I R MN K K S V G D L D L K G K R V L L R V D I N V P V D A G K V T D T T R I D MN K K S V G D L D L N G K R V L L R V D I N V P V D A G K V T D T T R I D MN K K S V G D L D L N G K R V L L R V D I N V P V K E G K V T D T T R I R MT I E K M T D L D L Q G K R V L I R V D F N V P L D E N F I T D D T R I R MT I E K M T D L D L Q G K R V L I R V D F N V P L D E N F I T D D T R I R MT I E K M T D L D L Q G K R V L I R V D F N V P L D E N F I T D D T R I R MT I E K M T D L D L Q G K R V L V R V D F N V P L D E N F I T D D T R I R MT I E K M T D L D L Q G K R V L I R V D F N V P L D E N F I T D D T R I R MT I E K M T D L D L Q G K R V L I R V D F N V P L D E	UniRef90_Q7XYJ9	KKMSVGDLELDGKVALVRCDLNVPLDGKTITDDTR
N K K S V D D N V K G R R V L V R C D F N V P L K N G E T D E T R V D N R M R D N R M R D N R M R D N R M R D D N R M R D N R M R D N R M R D N R M R D N R M R D D N R	UniRef90_F9ZT45	MNV LRMT DLDLK GKRV LIREDLNVPMDEGQIGDDTRIR SKLNKKNVEDLQVKGRKV LVRVDFNVPMKDGKITNDNRIG
MTEFNTIDDLDVNGKTVLVRADEN JniRef90_G8AIP6	UniRef90_E0RYT8 UniRef90_UPI0003793156	NKKSVDDLNVKGRRVLVR <mark>C</mark> DFNVPLKNGEI TDETRLV MSNF QNHNFAGQKALIRVDFNVPLNDKFIITDDNRMR
MTSRA DTYSFEDQTVFVRVDFNVPLDEKFITDDTRMR	UniRef90_G8AIP6 UniRef90_S7V6N9	MTEFNTIDDLDVNGKTVLVRADLNVPMQDGKVSDTTRID KYLDSVDLKGKRVLIRVDFNVPLKNGVIQDDNRIV
JniRef90_L0N940	UniRef90_T1CM67 UniRef90_G0IZF8	MTSRALIDTYSFEDQTVFVRVDFNVPLDEKFITDDTRMR LKTVDNVDFSGKKALVRVDFNVPLDDQHITDNTRIV
NERFO	UniRef90_L0N940 UniRef90_UPl0003B51985	AKKSVGDLDLKGKKVFVRADLNVPLDKNKVTDDTRIR MNKKTI DQLDLNGKRVI I RVDFNVPMKGQQI TNNKRI V
Not the content of	UniRef90_C0BIX5 UniRef90_Q20X44	K S F L I L D D A D L K G K R V L L R V D F N V P V D A G K V T D T T R L D
DI N A A G K V L V R V D Y N V P I K D G K V K D D R I T	UniRef90_D6ZH20 UniRef90_UPI0003B5447B	MT II D'S IL DIL N'G K R'V L V R C D F N V P IL K E G K II T D D G R II R MT II E K MT D L D L Q G K R V L I R A D L N V P V K E G K V T S D T R II R
JniRef90_UP10003B74AD9 MEKÜELKDÜDVTGKRVLVRVDFNVPMQDGKITDETRIT	UniRef90_UPI0003A55109	QT MD TENEAGK KV L V KV D Y N V PI K D G K V K D D T RI I
INDOTO EZMNIEG M.C.K.IVITIVIK DILIDIVIK O.K.IIVI I.VIDIVIDE NIVIDELI K.O.KIVILIT D.D.K.D.V.ID	UniRef90_R7D2V6 UniRef90_UPI0003B74AD9 UniRef90_E7MNE6	MEKLELK DIDVT GK RVL VRVDF NVPLDENFI I DDT RI R

June 800 Dolly 100 Dolly			
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June	UniRef90_Q2LUS5		KYI LDSKAK <u>S</u> L <u>V</u> LMSHLGDPEKYLEGK <mark>C</mark> K <u>M</u> SPVA
June	UniRef90_A0M6J2	A <u>A</u> K P T	I IKI LEDGGSVV LMSHLGRPKGK ESKYSLQHI T
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JARRENGO DZAMBE A S V P T I R E L A D K G A R V V V C A H L C R P K G E P N P K Y S L A P V A M L RESPONDED TO THE RESPONDED			LQKIQKDGGRLIIGSHMGRPKG VDKQFSLDYIR
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Jinkergo D, Protocot P, Protoc	UniRef90_D0WMT2		L K R L L D A G A R V V V S A H L G R P K G Q V K P E F S L A P V A
Junkergo (1947) Junker			INHALDENAAVII <mark>OSH</mark> IGPPDGTGVOEEESIAPAA
Junkergo (1974) Junker			KHLLDHGAKVIM MSHLGRPKGEYNLKYTLEPVR
Jinkel90	UniRef90_A3XRI4	$A A \overline{K} P T$	L K V L E D G G S A I L M S <mark>H</mark> L G R P K N
Jinkergo Q01Y83 Jinkergo Q01Y83 Jinkergo Q01Y83 Jinkergo Q19100046FAA3B A A	UniRef90_R1F485	G A L Q S	I RYULESGAKAIVVL CSHLIGRPDGTRKPECSLIAPVA
JAMESSON CONTROL A A I D T I K Y V I D D G G A S I V I M S B I G B D T K Y Y A G K T K M A P V I A A I D T I K Y V I D D G G G A V I L M S B I G B D T K G K Y Y A G K T K M A P V I A A I D T I K K K L D D G G G A V I L M S B I G B D T K G K Y Y A G K T K M A P V I A A I D T I K K K L D D G G G A V I L M S B I G B P K G K Y K G K P K G R C Y K G K P K G K			LINTILL LUGGAALLI LIA <mark>V</mark> III IGRPKGKPNTEMSI KPIVA
JAMESSON CONTROL A A I D T I K Y V I D D G G A S I V I M S B I G B D T K Y Y A G K T K M A P V I A A I D T I K Y V I D D G G G A V I L M S B I G B D T K G K Y Y A G K T K M A P V I A A I D T I K K K L D D G G G A V I L M S B I G B D T K G K Y Y A G K T K M A P V I A A I D T I K K K L D D G G G A V I L M S B I G B P K G K Y K G K P K G R C Y K G K P K G K	UniRef90_W1TNY9	AALPT	L KALVDAKAKVV VMAH L GRPKGQVNPEFSLAPVA
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Jinkef90 B1GZE7 Jinkef90 B1GZE7 Jinkef90 B1GZE7 Jinkef90 B1GZE7 Jinkef90 B1GZE7 Jinkef90 B1GZE7 Jinkef90 E4RTX5 L D N V A D X F A A D A E T K I V A D E A I P E G P M G V D N G P A S T A E Jinkef90 E4RTX5 L D N V A A D A S F S N E A P R A T V A T D E I P D D K E G L D I G P K T L E N Jinkef90 E4RTX5 L D N V A A D A S F S N E A P R A T V A T G E I P D D K E G L D I G P K T L E N Jinkef90 A4AP69 VD V L A A D A S F S N E A P R A T V A T G E I P D D K E G L D I G P K T L E N Jinkef90 A4AP69 VD D V L A A N D F S N D A D T G V V D V D V D K E G L D I G P K S R E L Jinkef90 A4AP69 VD D V L A A N D F S N D A D T G V V D V D V D K E G L D I G P K S R E L Jinkef90 A4AP69 VD D V L A A N D F S N D A D T G V V D V D V D K E G L D I G P K S R E L Jinkef90 A4AP69 VD D V L A A N D F S N D A D T G V V D D W N M L P D G WM G L D V G P K T N E L Jinkef90 D S D S E N A N S R T E E V N N N P D G WM G L D V G P K T N E L Jinkef90 D S D S E N A N S R T E E V M N N P D G WM G L D L G P K S I E K J N E L Jinkef90 D S D S E N A N S R T E E V D N N N P D G WM G L D L G P K S I E K J N E L Jinkef90 D S D S E N A N S A P R G P V P V D E D A M L D V G P K S I V E K J D W V A A R E R S S A D P H G P V P V D E D A M L D V G P K S I V E K J D W V A A R E R S S A D P H G P V P V D E D A M L D V G P K S I V E K J D W V A P E L S A W S A P R A G Y T E L K D T E G D A L D G W M G L D L G P K S I L E A L D W P A D A W M G L D L G P K S I L E A L D W P A D A W M G L D L G P K S I L E A L D W P A D A W M G L D L G P K S I L E A L D W P A D A W M G L D L G P K S I L E A L D W P A D A W M G L D L G P K S I L E A L D W P A D A W M G L D L G P K S I L E A L D W P A D A W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A L D W M G L D L G P K S I L E A		VIDHRTNDKEGDI ADPPIVITPDAN I IPEGWEIALIDI IGPASATILI
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JniRef90	UniRef90_E4RTX5	LDNVAADSFSNEAPRAT YATGEI PDDKEGLDIGPKTLEL
JniRef90 DSESP0 JniRef90 DSOS21 JniRef90 J1CRJ8 JNIREF90 J1CRJ		VID TIV I A P E F S A DIVID T E V VIP S D A II IP A D E M GIL IDIL G P K S R E IL IVIDIVI A A N D E S N D A D T O V VIP DIVID K II IP D G W O GIL ID A G P K T II IDIL
JniRef90 DSESP0 JniRef90 DSOS21 JniRef90 J1CRJ8 JNIREF90 J1CRJ	UniRef90_A4AP69 UniRef90_I3YUP7	V D A I T A D D F S E N A N S R T E E V N N I P D G W M G L D A G P K T N E L
JAIRE690_GOSB21 JAIRE690_TLRAB JAIRE690_TLRAB JAIRE690_TLRAB JAIRE690_TLRAB JAIRE690_TLRAB JAIRE690_TLRAB JAIRE690_TLRAB JAIRE690_TLABB JAIRE690_TLABBB JAIRE690_T	UniRef90_Q11CR7	IVID AIV VIA R K F E A G A E T E T IVI DII ID AIVIP E D A MII L IDIVIG P K SIVIE K
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Juriker90_A7ZEZ5	UniRef90_I7LRJ8	VDSKEANAFAGYTELK DTEGDAI DPGFLGLDI GPKSI AK
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JniRef90_C1JTG1	UniRef90_J7QUA7	I DATVAQKFEAHAPSHLVSV DHVGENDMLLDVGPKSIAH
JAIRE190_UP10003/F462E V D V V A A D D F S N D A N I K U D I N E I P D G WE GIV D A G P K S K E I D AIRE190_UP1000287D451 JD V I V A P E V S E D A K G T H K Y V E D V D E D D MI L D L G S E S L K N JAIRE190_A0A016QNL9 T D A V A A D N F A A D A R T Q V V P A G R I P D G WM G L D I G P E T A G A D A R T Q V P A G R I P D G WM G L D I G P E T A G A D A R T Q V P A G R I P D G WM G L D I G P E T A G A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T A A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T A D A R T A A D A R T Q V P A G R I P D G W M G L D I G P E T A G A D A R T A D A R T A A D A R T A A D A R T A A D A R T A A D A R T A A D A R T A A D A R T A A D A R T A A D A R T A A D A R T A A D A R T A A A R T C A V D A D A D A D A D A D A D A D A D A		VIDIV VIA A QT F S A E S A VIK Y VIP A QE II IP N G W M GIL IDII IG P A SII IR L
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Junikef90		IVIDIV VIA A D D E S N D A N I KII IC DII IN EII IP D G WE GIVID A G P K S R EII I
JAIREF90_A0A016QNL9	UniRef90_M1FFN7	VDVVVASEFSETA TATÜRNI SDVTENDMI LDVGPETAGQ
JniRef90	UniRef90_UPI000287D451	TDAVAADNEAADARTOWYDAGDUDEDDMILDUGSESUKN
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JniRef90_11CM67	UniRef90_UPI0003793156	EDSI VADKEDANANTK LESNDNIEKGWMGLDIGDQAIKD
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JniRef90_G01ZF8 JniRef90_L0N940 JniRef90_L0N940 JniRef90_UP10003B51985 JniRef90_C0BIX5 JniRef90_Q20X44 JniRef90_D6ZH20 JniRef90_UP10003B5447B JniRef90_UP10003B5447B JniRef90_UP10003A55109		- F D A K II A D A F D N N A N IV G Y A
V D V L A G D D F S N D A T Q K T F D V M N I P D G W E A M D A G P E S Q V L	UniRef90_G0IZF8	DDAVTSTDFANDAEQSTAK KGQI PDGWMGLDI GPETRVK
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JNIRE190_K7DZV0 VIDIKIVIG DAFSNDANIK I VIPSKE II PDG WEGMDII GPKSEEL JNIRE190_UP10003B74AD9 VD T V VA N D F S N P T E I K T V VA G E II P D G F M G L D L G P E S V K K	UniRef90_UPI0003A55109	TDAKIJADSESNDAKTDEAPVTE I PDGWEGLDI GPESEKA
JniRef90_E7MNE6 VDTVVANDFSNPTEŬKTVVA GEIPDGFMGLDLGPESVKK		VDHI VGRAFDPETESO AIINFREIIPDGWOGFDIIGPETVSA
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UniRef90_B6IWR7 UniRef90_UPI00035F0BD3	FKEVI LNSKTI LWNGPLGVFEMENFAKGTLALGNEI AEAT
UniRef90_M3X821 UniRef90_UPI00037FA31C	Y A E A V A R A K Q I L WN G P V G V F E W E A F A Q G T K A L M D V V V K A T F A A V R D S K T L L WN G P F G V F E F D T F A K G S E A M A K V A E T T
UniRef90_D2AVB9 UniRef90_B4SHF6	FASKLADARTVEWNGPMGVFEFEAFSGGTRAVAEALV YRNELISARTVIWNGPMGVFEIDNEAAGTMAVAQAMAFAT
UniRef90_R5LGL9 UniRef90_K1LWY3	YKAEI KVAKTI VWNGPÜGVFEYDKFATGTKEI ANAMALSD
UniRef90_UPI00030C06DA	FQKAL TECKSI I WNGPMGVFEFEKFANGTNAI AKTLADSS
UniRef90_UPI0003B44B4A UniRef90_Q7WTU1	Y K A E I K V A K T I V W N G P V G V F E Y D K F A T G T K E I A N A M A L S D F K E A L Q S A K T V V W N G P M G V F E M P R F E K G T L A V C Q M I G Q L E F Q K A L I E C K S I I W N G P M G V F E F E K F A N G T N A I A K T L A D S S Y A N E V K A A K T V V W N G P M G V F E N P T L S K G T L K V A E V L A D A D F K K E L A D A K T V T W N G P M G V F E F K N Y S I G T K A V C E A I A E Y A D L V M N S K T I L W N G P M G V F E M K K F E E G T R A V A D A I V A A T F A E T I L N S K T I L W N G P M G V F E M S F D K G T K A V A E A L V E A T Y R D T I V S S K S V I W N G P M G V F E F A F S A G T R A L A Q A M Q D A E F T E A L D D A K T I I W N G P M G V F E V D A F S R G T M A M V Q T L T R S H Y A E A I A H A K T V F W N G P M G V F E M S S F E A G T K G V A L A V A A N K F T K K L L G A K T I V W N G P M G V F E M S S F E A G T K G V A L A V A A N K F T K K L L G A K T I L W N G P M G V F E M D K F K N G T N A I A K A L A F A Q V V K N S K T I L W N G P L G V F E M E P F A G T K A M M E A V V K A T N A S V V S S S K T I L W N G A L A E T S R D D F E A G T K A M M E A V V K A T
UniRef90_UPI00040D6295 UniRef90_A3HYI3_	FAETI LNSKTI LWNGPMGVFEMKKFEEGTRAVADAI VAAT
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UniRef90_Q1NR46 UniRef90_R7CIZ9	F T E A L D D A K T I W N G P M G V F E V D A F S R G T M A M V Q T L T R S H Y A E A I A H A K T V F W N G P M G V F E M S S F E A G T K G V A L A V A A N K
UniRef90_UPI00047BAE4F UniRef90_A3XRI4	F T K K L L G A K T I V W N G P M G V F E M D K F K N G T N A I A K A L A F A Q V V K N S K T I L W N G P L G V F E M E P F A K G T L G D A I A E A T
UniRef90_R1F485 UniRef90_C9LYH4	N A S V V S S S K T I L W N G A L A E T S R D D F E A G T K A M M E A V V K A T Y V E A L N G A K T I L W N G P M G V F E C D E F A K G T L A V A K A V A D A T
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UniRef90_K7SCU8 UniRef90_X8IRC6	I N E R L A T L K T L V WN G P L G A F E L E P F D R A T V E V A Q E A A R L T Y <mark>C</mark> A E L A K V K T V V WN G P M G V F E M S A F A G G T R A V A E <mark>C L</mark> A
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UniRef90_C0BIX5 UniRef90_Q20X44	E G K I L P G I A A L N E E G K P L P G V E V L E G K V L P G I E V L E E G K K L P A V E L L A Q R
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UniRef90_C6X3J9 UniRef90_L0DST7 UniRef90_D5HGG9 UniRef90_D8JYH8 UniRef90_10UXC8	1
UniRef90_B9L8C3 UniRef90_G8R697 UniRef90_E3I2K4 UniRef90_UPI00036F6978 UniRef90_UPI00047D4DB3	K D L D F K G S S V F L R C D F N V P L D E G N I I D D R R I R T V E D L Q Y N N G R V L I R V D F N V P L N D D K V T D D N R I R S L K D L A S A D V A E K R V L I R T D L N V P M A D G Q I S D A T R I E M S V I K M T D L D L A G K R I L I R E D L N V P I D N G R I T S E Q R I V M T L R M T D L D L S G K R V L I R Q D L N V P I D N G R I T S E Q R I V
UniRef90_UPI00046EC3CA UniRef90_UPI00040485F7 UniRef90_UPI00036A3917 UniRef90_N6X8P9 UniRef90_F2LX79	R T I E T L D L R S K R V L V R S D F N V P L K D G K I T D D G R I R R F I N D V D L K G K R V F I R C D F N V P M D N G N L T D D N R I R
UniRef90_A0NNF5 UniRef90_A9HM30 UniRef90_Z9JYD0 UniRef90_UPI00035FF951	M A F K T L D D L D L A G K R V L V R V D L N V P M D G G K V T D T T R I E S F K T L D A L Q P K G R K V L L R A D L N V P V R D G K I T D L T R I E K T L E S L D L R G K R V I V R A D L N V P L D G E T I T D D G R I R M T A F R T L D D I D V S G K R V L V R E D L N V P M D G D R V T D D T R L R
UniRef90_R5PSE1 UniRef90_B0TUC1 UniRef90_UPI00036F0C3A UniRef90_UPI00047C6E75	NIQSKMTLIDQFNFAGKKALVRVDFNVPLDNGNVTDDTRIR
UniRef90_UPI0003734C8E UniRef90_B5JTF2 UniRef90_Q98FJ1 UniRef90_UPI0003643ADC	M P A F K T L D D L D I N G K R V L V R V D L N V P F S D G R V T D A T R I E M N T K T I R D L E I Q G K R A L V R V D F N V P L D Q G A V A D D T R V T R T I D D L D L A G K R V L V R S D L N V P L D D G K I T D D G R I R S V L R M S D L D L A G K R V L I R E D L N V P T K D G A V T S D A R L R M A A F K T L D D I N I S G K R V L V R V D L N V P V A D G K V T D A T R I E M T A F R T L D D A S L Q G K R V L L R V D L N V P M E G E R V T D A T R I E
UniRef90_W4T4V7 UniRef90_F0V8M5 UniRef90_R4RLK8 UniRef90_G0A5Y8	K TIL N D F N F R D K K AL V R V D F N V P Q D D Q F V I D N I R I V J K K R L D S L E L R G K R V L V R A D L N V P L E V K Q I A N D A R I R
UniRef90_UPI0004726885 UniRef90_UPI000423F47A UniRef90_K1MXV7 UniRef90_UPI0003B56D00	FKTLNDISVFEKKVIVRVDLNVPLKNHAITSTKRIKMALINMTDLDLSGKRVLIREDLNVPVKEGKVTSDARIKLSHMKTIKNFNFSGKKALVRVDFNVPQDDKKVTDNTRIV
UniRef90_C5JB63 UniRef90_W5WQX8 UniRef90_R5VXI4 UniRef90_UP100040F67CA	MKNQLT NLKIENKKVLLRADLNVPLENNVITDDNRIK MSIKRMVDLDLAGKRVLIRQDLNVPVKDGKVTSDLRIQ FKTLNDISVFEKKVIVRVDLNVPLKNHAITSTKRIK MAIINMTDLDLSGKRVLIREDLNVPVKEGKVTSDARIK LSHMKTIKNFNFSGKKALVRVDFNVPQDDKKVTDNTRIV KIIDEIPVAERRVFLRVDYNVPLKEGRVADDSRLR MSKIRTIDDLDVKGKRVLLRADLNVPLSDGEITDPGRID MAVKTVQDLGVEGRHVLVRADLNVPLSDGEITDPGRID MNKKSIRDVDVKGKRCLVRVDFNVPMKDGVITDETRIQ MSILRMADLDVAGKRVLLREDLNVPVKDGRITSEQRIT
UniRef90_D0LTS7 UniRef90_V8A4G6 UniRef90_Q1GHP9 UniRef90_DF100035FB7E0	MASFHTLDDLSPEGKRILLRADLNVPVRDGALTDTTRID KTLDDMDLQGKSVLTRVDLNVPMEDGKVTDDTRIR LRRMFDLNVAGQRVLVRVDFNVPMKDGVVSDDTRIR
UniRef90_D5RPK4 UniRef90_Q83AU6 UniRef90_J0LDJ4 UniRef90_F4L1M5 UniRef90_F6D935	MSNLNLHNKRVMI REDLNVPMKNGKI TNDERI V SLKETDLQNKRVFI RCDFNVPLDEGNI TDDRRI R MQNI NFSHKRAL VRVDFNVPLDKKTI TDDTRI R
UniRef90_Q27685 UniRef90_A3WLE2 UniRef90_UPI0003718770 UniRef90_UPI00040E1377	MSFIRMADLDLKGKRVLIRADLNVPVKNGVVTSDARIR SLVLKKSIDDVALKDKKVLIRVDFNVPVKNGEITNDFRIR MSVIAMTDLDLQNKRVLIREDLNVPVKDGKITSDARLR KIQDYNFGGKRVFVRVDFNVPLDDNQITDDTRIR FAGQKALIRVDFNVPLNANFITDDTRIR
UniRef90_C6BUI7 UniRef90_D8LRT8 UniRef90_N9TV19 UniRef90_I1YK46	RFI DQLDI AGKKLLMRVDFNVPLDGETI TDDNRLK SVKKKKTI QDLSLRGKPVLVRADLNLPREDGSI TDDTRAR KKTI KDI DLKGKKVI LRVDFNVPVANGI VMDTKRI D
UniRef90_UPI000468D42D UniRef90_F8C263 UniRef90_D8HZK4 UniRef90_UPI00036F0C7C	QTIDNYNFAGKKAIVRVDFNVPLDNGKITDDTRIRKTLSDFDLKGKKVFIRVDFNVPMENGKITDDTRIV MSVKNLDDLGVQGRYVLVRSDLNVPLDGDRITDDGRVR MNVRKMSELELGGGRYVLIRQDLNVPIKHGRVTSDARIR
UniRef90_UPI00041B8F8F UniRef90_UPI00028A1244 UniRef90_A0A010ZUN3 UniRef90_UPI00037A62E4	K I I D N F N F K D K K V L I I R V D F N V P L D E N F I V I D S N R I E
UniRef90_Q47XD4 UniRef90_C7MND4 UniRef90_UPI00036801E9 UniRef90_K1YZG3	MSI I R MADE I LANGRIVE I REDENVIPULI DGRI I SDARER MSTI QSLEDAPLADKRI L VRVDFNVPUEDGVVT DDTRIR MNVLKMTDLDLAGKRVLI REDENVPVKNGKVT SDARI L FKLIDQLDI RGKRVFI RTDYNI SLKDGKI LDDTRIR
UniRef90_UPI00046894D3 UniRef90_U7D5S2 UniRef90_UPI00046F5D05 UniRef90_H5TW71	MAGYKNLDALEÄKDKTVLVRVDLNVPMKDGNVSDFTRIQ MSVKTLKDLGVSGRAVLVRSDFNVPLDGTKITDPGRI
UniRef90_K7QUK5 UniRef90_UPI00035F36B4 UniRef90_Q0G5Q9 UniRef90_UPI000375BEE4	RILBULDPKGKRVLVRVDYNVPI QGGVVQDEIRIL RTLETLDLAGKRVLVR <mark>C</mark> DLNVPLKDGEITDDGRVR FRTI DDADVTGKRVLVRVDFNLPMKDGKVTDATRI D MKFLSI RDVPLKGKKALI RVDFNVPVKAGKVTSSVRI E
UniRef90_B4RAK3 UniRef90_UPI00047AF42E UniRef90_K8EG22 UniRef90_V5SFM9	MAFRTLDDADLQGRRALVRVDFNVPMQDGRVSDDTRLR MSPFPTLNDVVVKGKRVLVRVDLNVPMENGRITDSTRIE MNITDDTRIR NLDKLRTTDGLDISGKRVLVRCDLNVPTKDGAVTDATRLE
UniRef90_A3JZ25 UniRef90_T1KA75 UniRef90_D5UF27 UniRef90_ABFN77 UniRef90_UDI0003605087	MAWKTLDDMDLDGKRVLTRVDINVPVEDGKVTDTTRID KTIEDLDLRGKRVLVRSDFNVPLDGTTITDDGRIR MSDIISIKDIDLAKKKVFIRCDFNVPQDDFNITDDRRIR
UniRef90_UPI0003695987 UniRef90_D4YM44 UniRef90_E6VX65 UniRef90_UPI000370E08P	MTLRTI DDLDVRGQRVLVRSDLNVPMDGTRI TDDGRVR KTLDNLEFAGKRVLVRSDLNVPMDGDTI TDAGRIK KFI DQI DI AGRKLLFRVDFNVPLDEGVI TDENRMI MTVKTLKDLGVAGRSVLVRSDLNVPLDEGDTI TDPGRIL
UniRef90_UPI000379E08B UniRef90_M5DVS6 UniRef90_UPI0003754A60 UniRef90_UPI000372FF58	MTVKTLKDLGVAGRSVLVRSDLNVPLDGDTIITDPGRIL MTDFKTLDDVDVAGRSVLVRSDLNVPMEGDRVTDDTRLR MAVLKMTELDLTGKRVLIREDLNVPVKDGKVTSDARIR MSLKDLNVSGKKVLVRVDFNVPLDDKKVTDDTRIS MTVLHMTDLDLQGKRVLIREDLNVPLKEGRVASDARIL

UniRef90_C6X3J9 UniRef90_L0DST7 UniRef90_D5HGG9 UniRef90_D8JYH8 UniRef90_B9L8C3 UniRef90_B9L8C3 UniRef90_G8R697 UniRef90_E3I2K4 UniRef90_UPl00036F6978 UniRef90_UPl00047D4DB3 UniRef90_UPl00046EC3CA UniRef90_UPl00040485F7 UniRef90_UPl00036A3917 UniRef90_UPl00036A3917 UniRef90_A9HM30 UniRef90_A9HM30 UniRef90_A9HM30 UniRef90_A9HM30 UniRef90_UPl00035FF951 UniRef90_B5DTUC1 UniRef90_UPl00035F951 UniRef90_UPl0003734C8E UniRef90_UPl0003734C8E UniRef90_UPl0003643ADC UniRef90_UPl0003643ADC UniRef90_W4T4V7 UniRef90_UPl0003643ADC UniRef90_W4T4V7 UniRef90_F0V8M5 UniRef90_R5RELK8 UniRef90_R4RLK8 UniRef90_R4RLK8 UniRef90_R4DA90476800	1200 1200
UniRef90_UP10004726885 UniRef90_UP10004726885 UniRef90_UP1000423F47A UniRef90_UP10003B56D00 UniRef90_C5JB63 UniRef90_W5WQX8 UniRef90_W5WQX8 UniRef90_W5WQX8 UniRef90_UP100040F67CA UniRef90_D0LTS7 UniRef90_UP100035FB7E0 UniRef90_UP100035FB7E0 UniRef90_UP100035FB7E0 UniRef90_UP100035FB7E0 UniRef90_J0LDJ4 UniRef90_J0LDJ4 UniRef90_F6D935 UniRef90_F6D935 UniRef90_F6D935 UniRef90_A3WLE2 UniRef90_UP10003718770 UniRef90_UP10003718770 UniRef90_UP10003718770 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100040E1377 UniRef90_UP100046ED42D UniRef90_UP100046ED42D UniRef90_UP100036F0C7C	ERFSRQL QKPVKFVNQTRGELVEETLAQMKPGEVLLLENT DYLAGALDCPVREETDYLQGV SEVAKVLGREVKFAPNCIGEEAEKMVAELKAGEVLLLENL QRLAELLEQEVKFAPNCIGEEAEKMVAELKAGEVLLLENL QRLAELLEQEVKFAPDCVGEEVGELVSTLKRPGEILLLENL EAFAKAGGRPVAFGTDCIGPDAEKVVNAMKNGDIAMILENV EALSERLDQWVPLASDVTGEDAEKVVNAMKNGDIAMILENV DRLNQLLDGKVTFATDIVGAAANLKDGDVVLLENT SHLAGGLLDREVVLTDEPVGDGARKVVGAAMLKDGEVVLLENT SHLAGGLLDREVVLTDEPVGDGARKVVGDLRDGQIALLENT SHLAGGLLDREVVLTDEPVGDGARKVVGAAMLKDGEVCVLENT ARLSELLGGRDVVLTGEDAAKKVVGDLRDGQIALLENT SHLAGGLLDREVVLTDEPVGDGARKVVGAAMLKDGEVCVLENT ARLSELLGGRDVVLLTDEPVGDGARKVVGAAALKDGDVLLLENT EALSATLGKRVGFAADDCIGGAVAEAAVAALKDGDVLLLENT APLADLLGVRVGFAADDCIGGAVAEAAVAALKDGDVLLLENT EALSATLGKRVGFAADDCIGGAVAEAAVAALKDGDULLLENT RLLSKKLNQKKVPLINDDWLKGNDAKTAKAEAVAAALKDGEVVLLENT APLADLLGVRVGFAADDCIGGAVAEAAVAALKDGBVVLLLENT CEALSATLGKRVGFAADDCIGGAVAEAAAVAALKDGBVLLLENT APLADLLGGVRVGFAADDCIGGAVAEAAAVAALKDGBVLLLENT CEALSATLGKRVGFAADDCIGGAVAEAAAVAAALKDGBVLLLENT CEALSATLGKRVGFAADDCIGGAVAAAAKKDGGOVLLLLENT CEALSATLGKRVGFAADDCIGGAVAAAAKKDGGOVLLLLENT CEALSATLGKRVGFAADDCIGGAVAAAAKKDGGOVLLLLENT CEALSATLGKRVGFAADDCIGGAVAAAAKKDGGEVLLLENNU CHANACHARAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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JAMENSON, COXX39 R F Y N S E E E N G D A A E A E K IL S N Y G D A Y Y N N INMINISTRATED TO SERVING THE PROPERTY OF THE PROPE		130	140 150 160
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JiniRef90	UniRef90_F2LX79	RFYPE	EEANSEEFARQLIELFDIYVN
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Juine Juin	UniRef90_UPI00046F5D05	RFHAG	E E K N D P E F A A E L A K L G D L Y V N
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The property of the property	UniRef90_K8EG22	R F Y K E	E E A N D A G F S K K L A G S A E I F V N
Note State	UniRef90_V5SFM9 UniRef90_A3JZ25	RFHKG	E E K N D P E L A A Q M A E L G D V Y C N
No. No.	UniRef90_T1KA75	R F H V E E E G K K D A D G K S L K A	A T A E E V K K F R E S L T K L G D V Y V N
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Note	UniRef90_UPI0003695987 UniRef90_D4YM44	R F N A G E T A K R F N P G E T S K V D	L D QIVIR D A F A E QIL IA A F A DIVIFIVIS A E R D E F A Q QIL IA S I A DIVIFIVIS
Springer Springer		RFYPEELG F	RTEEERGDFGKQLASMADLYVN
JniRef90_M5DVS6 R F N K G E K K D T D E L S Q A Y A A L C D I F V M JniRef90_UPI0003754A60 R F Y S G E E K G D E D L A K A M A A L G D L Y V N JniRef90_UPI000372FF58 R F N Q G E K A N D D T L A Q Q L A S L C D V F V M	UniRef90_UPI000379E08B	K F D P K E I S K D D A E R L . R F H A G	ALIAKAL VIELII DMGGAFVS EEKNDPA <u>F</u> AAELAKLGDII YVN
JniRef90_UP1000372FF58 RFNQG EKANDDTLAQQLASLCDVFVM	UniRef90_M5DVS6	R F N K G	EKKDTDELSQAYAALCDIFVM
	UniRef90_UPI0003754A60 UniRef90_UPI000372FF58	RFNQG	EKANDDTLAQQLASLCDVFVM

UniRef90_C6X3J9	170 180 190 200 DAFGTAHRAHASTAVFFPQTKFFGLLMAKELEAVDKVLGS
UniRef90_L0DST7 UniRef90_D5HGG9 UniRef90_D8JYH8 UniRef90_I0UXC8	D A F G T A H R A Q A S T H G K F A P Q A C A G P L L A A E L D A L G T A L D N D A F G T A H R A H C S N V G V A V D T A V V G Y L M Q K E I D F L G N A V E N D A F S C S H R A H A S T E G L H H L P S Y A G P L L M E E I N A L R T A L E K D G F G V V H R K Q A S D V A R E L P A Y A G G L V L S E L T V L R T L T G D
UniRef90_B9L8C3 UniRef90_G8R697 UniRef90_E3I2K4	DAFGVSHRAHASVEAIITRFHKAAGFLLLKEIINFFYKLLEN DAFGTAHRAHASTAVIAFFFKGFGIVMAAFIIFNVTKVINS
UniRef90_UPI00036F6978 UniRef90_UPI00047D4DB3 UniRef90_UPI00046EC3CA	DAFSVSHRAHASTEAVHLLPAYAGPSLLAEI GAFKVALEK DAFGTAHRAQASTHGKFAPIA <mark>C</mark> AGPLLATELDALGKALDN DAFGTAHRAQASTHGRFAPVAAGGPLLMAELDALARALDK DAFSAAHRAHAS <u>TAGVEHL</u> PSFAG <u>R</u> LMEAELSALDAALEN
UniRef90_UPI00040485F7 UniRef90_UPI00036A3917 UniRef90_N6X8P9	DAFSAAHRAHASTAGVEHLPSFAGRLMEAELSALDAALEN DAFGTAHRAHASI VAEFFTDKMAGLVMQAEIDNAERI LAN DAFGTAHRAHASTAIFFAENK <mark>C</mark> FGLLMEQELTAINKVLAD DGFGVVHRKQASVYLAKLLPSASGLLVLKEIESLRKATDN DAFGVCHRKHASVYALPALIAVGGFLLKKELDYFNKIFTI
UniRef90_F2LX79 UniRef90_A0NNF5 UniRef90_A9HM30	DAESAAHRAHGSTEGII IRII. I IPAYAGRTMOAFII IEAII IGSAII IGN
UniRef90_Z9JYD0 UniRef90_UPI00035FF951 UniRef90_R5PSE1 UniRef90_B0TUC1	DAFSAAHRAHASTEGVRFLPSFAGRLMEAELNALNVALENDGFGVVHRKQASVYEAQLLPAAAGELVGREVEALRKVTDTDAFSAAHRAHASTEGAHKLPAYAGRSMQAELEALEKALGNDAFGTAHRKHASTAVFDKDHKMLGYLMEKEVKAVDAYLGNDAFGTAHRAQASTVGLHAPIACAGPLLAGELAALGKALDNDAFSAAHRAHASTEGGHHMPAYAGRTMQAELEALESGLGN
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UniRef90_G0A5Y8 UniRef90_UPI0004726885 UniRef90_UPI000423F47A	D A F A T S H R S H A S N [V] G [] R [] R E S A [] G F L V Q K E Q E A L S K [V I N M D A F G T A H R A Q A S T H G Q F A P V A C A G P L A A E L D A L G K A L Q N
UniRef90_K1MXV7 UniRef90_UPI0003B56D00 UniRef90_C5JB63 UniRef90_W5WQX8	DAFGTAHRAHASTAVFFPETKFFGLLMAQELEAIDKVLHS DAFGVCHRAHASVVGIYVETCGAGYLLAREVKYLSSFLEN DAFSCAHRAHASVEAVRIIPAAAAGRLMQAELEALEGALEK DGFGVVHRKQASVYVAKKLPHYAGGLVETELEVLRKISDN DAFGTAHRSHASTAALFVKDAVCGFLIEKELSVMAEALEH
UniRef90_R5VXI4 UniRef90_UPI00040F67CA UniRef90_D0LTS7	DAFGTAHRAQASTHGRYAKLAGGGFLVAKELSVMAEALEH DAFGTAHRAQASTHGMYAKLAGGGPLLMAELDALAKALEN DAFGTAHRAHASTAGMVPLVAGAGGLVVAKELEFLSRLIGD
UniRef90_V8A4G6 UniRef90_Q1GHP9 UniRef90_UPI00035FB7E0	DAFSAAHRAHASTEGAHHLIPAYAGRILMEAEILINALITAALIELI DAFSAAHRAHASTEGARILLPA <mark>C</mark> AGRILMEAEILKALIEGSLAT
UniRef90_D5RPK4 UniRef90_Q83AU6 UniRef90_J0LDJ4	DAFSAAHRAHASTEGWHKLIPSYAGRIMQAEILEALDAALGN DAFATAHRAQASTVAAYAKLA <mark>C</mark> AGPLLISEVEALSRALEN DAFGVSHRAHSSVEGITKKTK <mark>C</mark> AGFLLQKEILEFFSKLLNN
UniRef90_F4L1M5 UniRef90_F6D935 UniRef90_Q27685	DAFGSAHRAHASTTTFSAENKGFGFLMKAELDNANRVLNN DAFGTAHRAQGSTHGVYAPVACAGLLLTEELDALTKALKE DAFGTAHRDSATMTGLPLGSGYAGYLMEKEINYFSRVLNN
UniRef90_A3WLE2 UniRef90_UPI0003718770 UniRef90_UPI00040E1377 UniRef90_C6BUI7	DAFGTAHRAQASTHGKYAPVACAGPLLAAELDALGKALDN DAFGTAHRAHASTDYFDEEHKMFGYLMQKEVNAVNEILNN DAFGTAHRAHASTAVFPADKKMFGLVMEGEVSSAEKVLHQ DAFGVAHRANASDVPYAAKFCCAGFLLKUEWEYLGEALKN
UniRef90_D8LRT8 UniRef90_N9TV19 UniRef90_I1YK46	DAFGVAHRANASDVPYAAAKE <mark>CC</mark> AGFLLKLEWEYLGEALKN DAFGAAHRSHASTVGKYMDHSVAGFLMEKELDYLKGAMDS DAFGASHRSHASTAGIAKFVKALGFLMNDEVSHLEKILDG DAFGTAHRAQASTHGIYAPVA <mark>C</mark> AGPLLAAELDALGKALDN
UniRef90_UPI000468D42D UniRef90_F8C263 UniRef90_D8HZK4	DAFGTAHRAQASTHGI YAPVACAGPL LMAE LDALGKALDN DAFGTAHRKHASTAI FDTDNKMLGYLMEKEVKAVDSVMKD DAFSVCHRNHASVVGVPQFEKGI GFQMEKELKYLSKI VGK DGFGVVHRKQASVVASVLPAYAGGLVLAEL DVLKKLTDD DAFGTAHRAQASTHGRFAPAACAGPLLSSELEALEKALST DAFSAAHRAHASTEGVHHLPSFAGRLMEI LGALETALEA
UniRef90_UPI00036F0C7C UniRef90_UPI00041B8F8F UniRef90_UPI00028A1244	DAFGTAHRAQASTHGRFAPAACAGPLLSSELEALEKALST DAFSAAHRAHASTEGVHHLPSFAGRLMEIELGALETALEA DAFGTAHRAHASTTIYFPNDKCFGYLLAKEVDSLDKVLHS
UniRef90_A0A010ZUN3 UniRef90_UPI00037A62E4 UniRef90_Q47XD4 UniRef90_C7MND4	D G F G A V H R K H A S V F D P K L L P H V A G T L V A A E V E V L K K L T Q N D A F G T A H R A Q A S T H G V A K F T A C A G P L L S G E L E A L G K A L D N D A F G T A H R A H A S T A G V T L L D S Y A G P L L S G E L L S
UniRef90_UPI00036801E9 UniRef90_K1YZG3 UniRef90_UPI00046894D3	DAFSAAHRAHASTEGVHHLPSFAGRLMEILELGALETALEA DAFGTAHRAHASTTIVFPNDKCFGYLLAKEVDSLDKVLHS DAFGAVHRKHASVHDAELLPAYAGGLVRRELEVLRTLTGT DGFGAVHRKHASVFDPKLLPHVAGTLVAAEVEVLKKLTQN DAFGTAHRAQASTHGVAKFTACAGPLLSGELEALGKALDN DAFGTAHRAQASTVGKFAALLACAGPLLLQREVATLTSMLEN DAFGTAHRAQASTVGKFAALLACAGPLLAAELEALGKAMDK DAFGTAHRAQASTVGKFTACGGFLMQKEIIFLDGLLKG DAFGVCHRAHASVEAITKFHSAAGFLLQKEVEFSKNLLKA DAFGTAHRAHASTAGHTKFHSAAGFLLQKEVEFSKNLLKA
UniRef90_U7D5S2 UniRef90_UPI00046F5D05 UniRef90_H5TW71	D A F G T A H R A H A S T A G L H F E Q P A C G Y L L K K E I D F L G N S V A E D A F S C S H R A H A S T E A A R L L P A Y A G R N M E A E L S A L E A A L G A D G F G V V H R K Q A S V Y V A K L L P H Y A G Q L V E R E V D V L T T L T T D D A F G S A H R A H A S V V G V R L L P S Y A G F L L E R E V K A L S R L L Q D
UniRef90_K7QUK5 UniRef90_UPI00035F36B4 UniRef90_Q0G5Q9	D G F GIV VIH R K Q A SIVIY E A E IL LIP S A A G T IL VIA N E IVIE QIL IG RIV VIN D D A F S A A H R A H G S T E GIT H HIL IP S Y A G R T M Q A E IT IE A L IQ A GIL IE A
UniRef90_UPI000375BEE4 UniRef90_B4RAK3 UniRef90_UPI00047AF42E UniRef90_K8EG22	D A F A T S H R A Q A S T Y G K Y A P V A C A G L L T D E L N A L S A A I K A D A F S A A H R A H A S T E G A R L L P A Y A G E Q M R R E L E A L D A A L G N D A F S T S H R A H A S T E G I H R L P A Y A G R T M Q L E L E M L T S M L A H D A F G T A H R A H A S T A G V T G T C K T A G F L L Q K E L D Y L D G A V K N
UniRef90_V5SFM9 UniRef90_A3JZ25 UniRef90_T1KA75	DAFSAAHRAHASTEGI HLLLPSYAGPLMMEEI GALLRAALDN DAFSAAHRAHASTEGI HLLLPSCAGRLMQGELQALESALST
UniRef90_D5UF27 UniRef90_A8FN77 UniRef90_UPI0003695987	D G F G V V H R K Q A S V Y V A Q R L P H A A G T L V L A E V E A L R K A V E D D A F G V C H R A H S S V E A L T K F H K G A G F L L Q K E V D A S N L I K H D G F G V V H R K Q A S F D L A D R L P H A A G G L V Q A F V E V M A R L L D T
UniRef90_D4YM44 UniRef90_E6VX65 UniRef90_M2W1D6	D G F G V V H R K Q A S V Y I I A K K L P H Y A G G L V E A E V R V S R Q L L E D D A F G V A H R A N A S V Y D R Y A A M C C A G F L V K R E L E Y L D K I L L S D G F G V V H R K Q A S V Y V A T L L P H Y A G T L V A A E V E V L Q K L T T D
UniRef90_UPI000379E08B UniRef90_M5DVS6 UniRef90_UPI0003754A60 UniRef90_UPI000372FF58	D A F S A A H R A H A S T E A A K L L P A Y A G R S M Q A E L D A L T K A L G A D A F G T A H R A Q A S T H G K F A P I A C A G P L L A A E L E A L G K A L D K D A F G A A H R E H A S T A T V A R F F R A F G L L I E A E L A G A E Q L L N N D A F G T A H R A Q A S T H G I Y A K T A C A G P L L V A E L E A L S K A L E K

UniRef90_C6X3J9 UniRef90_L0DST7	240 240 241 240 240 241 240 240 241 240 240 241 240 241 240 241 240 241 240 241 241 241 241 241 241 242 241 242 242
UniRef90_D5HGG9 UniRef90_D8JYH8 UniRef90_I0UXC8 UniRef90_B9L8C3	G E K P V T AI L L G G S K V S T K I T T T T E N I L P A D N L I I G G G G M A N T T P Q R P L V AI V G G G K V S T K L T N V I S N L L E K C D T L I I G G G G M A N T T P Q R P T V AI V L G G S K V S T K L T N V I S N L L E K C D T L I I I G G G G G M A N T T P Q R P T A L V G G G A K V S T K L T N V I S N L V S K C D T L I I I G G G G G M A N T T T P Q R P T A L V G G S A K V S T K L T N V I S N L V S K C D T L I I I G G G G G M A N T T T P Q R P T A L V L G G S A K V S T K L T N L V S A K V D R L I I I I I I I I I I I I I I I I I I
UniRef90_G8R697 UniRef90_E3I2K4 UniRef90_UPI00036F6978 UniRef90_UPI00047D4DB3	PERPYAVVLGGSKVSDKLAVIEALLPKVDKLIIGGGMANT PERPYAVVLGGSKVSDKLAVIEALLPKVDRLLVGGGMAFT TEKPVTAIVGGSKVSGKLQALINLLPKVDKIIIGGGMAFT TEKPVTAIVGGSKVSSKIAILENLVSKLDNLIIGGGMAYT PERPVAAIVGGSKVSTKLAVLGNLAQKMDYLEIGGGMANT PARPMVAIVGGSKVSTKLAVLESLSGLVDQLVVGGGIANT PARPLLAIVAGSKVSTKLELTNLVGKVDQLIVGGGIANT PEHPVGAIVGGAKVSTKLALENMLERVDVLVGGGIANT ADKPFVSIMGGAKISDKILIIERLDKVDYLLIGGAMAYT GEKPVTAVLGGSKVSSKISTIINNILPKADRIEIGGGMYYT GEKPVTAVLGGSKVSSKISTIINNILPKADRIEIGGGMYYT
UniRef90_UPI00046EC3CA UniRef90_UPI00040485F7 UniRef90_UPI00036A3917	PEHPVGAI VGGAKVSTKLALLENMLERVDVLVVGGAMANT ADKPFVSIMGGAKISDKILIIERLLDKVDYLLIGGAMAYT GEKPVTAVLGGAKVSSKITIINNILPVIDNLIIGGGMTYT
UniRef90_N6X8P9 UniRef90_F2LX79 UniRef90_A0NNF5 UniRef90_A9HM30	PERPYGVVLGGSKVSDKLGVIANLLKKADRLFIGGGMAFT EDKPFVAVIGGAKVSGKLDCLINLIDKADKLIIGGAQAFT PVRPVLAVVGGAKVSSKIDLLENLVTRVDMLVIGGGMANT PVRPVGAIVGGAKISTKLDLIGNLLDKVDVLIIGGAMANT
UniRef90_Z9JYD0 UniRef90_UPI00035FF951 UniRef90_R5PSE1	PERPFVVI LGGSKVSDKLGVI DTLLTKADRI LIGGGMAFT PQHPVAAVVGGAKVSTKLDVLKHLVTKVDHLIIGGGMANT IKRPFTAIMGGSKVSTKIGIIENLLTKVDNLILCGGMTYT PARPMVAIVGGSKVSTKLTVLESLSTKVDQLVVGGGIANT
UniRef90_B0TUC1 UniRef90_UPI00036F0C3A UniRef90_UPI00047C6E75 UniRef90_UPI0003734C8E	P A R P M V A I V G G S K V S T K L T V L E S L S T K V D Q L V V G G G L A N T P K H P V V A I V G G A K V S T K I D L L E N L I D K V D A L V I G G G M A N T P E R P F V A I L G G S K I S G K I D V V E A L L P K V D K L L I G G A M A C T V E R P Y A V V L G G S K V S D K L G V I D N L L G K A D R I L I G G G M V F T
UniRef90_B5JTF2 UniRef90_Q98FJ1 UniRef90_UPI0003643ADC UniRef90_W4T4V7	P A R P M V A I V G G S K V S T K L T V L E S L S N K V D Q L I V G G G I A N T P V R P V V A I V G G A K V S T K I D L L M N L V K K V D A L V I G G G M A N T P S R P V I A L V G G A K V S S K I D L L Q N L V A K V D M L V I G G G M A N T G E R P V T A I L G G S K V S T K I T I I E N I L P A V D N L I I G G G M A F T
UniRef90_F0V8M5 UniRef90_R4RLK8 UniRef90_G0A5Y8	PÜRPFAALVIGGAKVSSKLGVLRALIQQVDKLVI GGAMAFT PQRPLIAI LGGSKVSDKI ELI KNMLKKVDFLLI GGGMSYT PQKPLVAI VGGSKVSTKLTVLESLSTKVDQLI VGGGMANT
UniRef90_UPI0004726885 UniRef90_UPI000423F47A UniRef90_K1MXV7 UniRef90_UPI0003B56D00	PERPYVAII GGAKVSDKI QVIENLIKIADKMI I GGGMAFT PARPLVAI VGGSKVSTKLTVLESLAGKVDQLVVGGGIANT GEKPVTAI LGGSKVSTKI TI I ENI LPAVDNLI I GGGMAFT POKPAALVI GGAKVSTKI GI I MNI LPRI DKI I I GGAMANT
UniRef90_C5JB63 UniRef90_W5WQX8 UniRef90_R5VXI4	P Q K P A A L V I G G A K V S T K L G L L M N L L P R I D K L I I G G A M A N T P K K P V A A V V G G A K I S T K M D V L G N L L Q K V D V L I V G G A M A N T P E H P Y A V V L G G S K V S D K L G V I E A L A P K V D N L I I G G G M C F T P V R P F V A I L G G A K V A D K L N V I N N L L E K C D T L I I G G G M A Y T
UniRef90_UPI00040F67CA UniRef90_D0LTS7 UniRef90_V8A4G6 UniRef90_Q1GHP9	PARPLLAIVAGSKVSTKLELLSSLVGKVDQLIVGGGGANT VERPYLAVLGGAKVSDKIEVLEALLERVNGILIGGAMANT PERPVGALVGGAKISTKLDLIGNVLGKVDVLFIGGAMANT PERPVTAVVGGAKVSTKLDLIGNLVAKVDTLVIGGGMANT
UniRef90_UPI00035FB7E0 UniRef90_D5RPK4 UniRef90_Q83AU6 UniRef90_J0LDJ4	P E R P Y G V L G G S K V S D K L G V L AN L L K K A D R L F I G G G M A F T T E D K P F V A V I G G A K V S S K K L D C L L N L I D K A D K L L I G G G A A A N T P Y V R P V C A V V G G A K V S S K K I D L L E N L V T R N D M L V I G G G A M A N T P Y V R P V C A V V G G A K K V S S K I D L L E N L V T K N D D V L I I G G G M A N T T P V R P V C A V V G G A K I S T K L D L I G N L L D K V D V L I I G G G M A N T T P V R P V C A V V G G A K I S T K L D L I G N L L D K V D V L I I G G G M A F T T P K Y D M L I L G G G M A F T T T K V D N L L L G V C G G M A F T T T K Y D N L I L G G G M A F T T T K Y D N L I L G G G M A F T T T K Y D N L I L G G G M A N T T T T K Y D N L I L G G G M A N T T T T K Y D N L I L G G G M A N T T T T T T T T T T T T T T T T T T
UniRef90_F4L1M5 UniRef90_F6D935 UniRef90_Q27685	P D R P L T A I V G G A K V S D K I L L L D R M L D Y V D N L I I G G M A Y T P A R P L V A I V G G S K V S T K L T V L E S L S Q V V D Q L V V G G G I A N T P P R P L V A I V G G A K V S D K I E L L D N M L G R I N Y L V I G G A M A Y T
UniRef90_A3WLE2 UniRef90_UPI0003718770 UniRef90_UPI00040E1377 UniRef90_C6BUI7	PKRPLVAIVGGSKVSTKLTVLESLSTVVDQLIVGGGIANTAKHPFTAILGGSKVSTKIDVIMNLLGKVDNLILTGGMTYTASKPFTAIIGGAKVSDKILILENLLERATDIIIGGGMAYTARKPYIAVSGGAKVSSKLGILNNLIGKVDDFIIGGAMANT
UniRef90_D8LRT8 UniRef90_N9TV19 UniRef90_I1YK46	P S R P F L A MI G G A K V S T K I P V L E S L L D K C D S T L L G G G M F T F E R P F V A I V G G A K V S D K I K V L E K L F H T A D K V L V V G G M A Y T
UniRef90_UPI000468D42D UniRef90_F8C263 UniRef90_D8HZK4 UniRef90_UPI00036F0C7C	PARPLVAI VGGSKVSTKLMVLETLSQKVDQLI VGGGIANT IKRPFTAI MGGSKVSTKI GI I ENLMDKVDNLI L CGGMAFT PERPFYAI VGGSKVSTKI GVLKNLLNKVDKLI I GGGMANT VQRPYVVV LGGSKVSDKLGVI ANLLTKVDRLLI GGGMAYT PKRPMVAV VGGSKVSSKLEVLNALSEKCDQLI VGGGIANT PERPVGAI I GGAKVSTKLDLLNNMI EKVDVLAVGGGAMANT KEKPVTAVLGGSKVSSKI TI I ENI LDKI DHMI I GGGMCFT PERPYVVV LGGSKVSDKLGVI DALLPKVDTLLI GGGMCFT PERPYVVV LGGSKVSDKLGVI DALLPKVDTLLI GGGMCFT PARPLVAI VGGSKVSDKLGVI DALLPKVDTLLI GGGMVFT PARPFTAI LGGSKVSDKLGVI DALLGKVDVLAI GGGMVFT PARPFTAI LGGSKVSDKVSDKLGVI DALLGKVDVLAI GGGMCFT PARPFTAI LGGSKVSDKVSDKLGVI DALLGKVDVLAI GGGMCFT PARPFTAI LGGSKVSDKVSDKLGVI DALLGKVDVLAI GGGMCFT
UniRef90_UPI00041B8F8F UniRef90_UPI00028A1244 UniRef90_A0A010ZUN3 UniRef90_UPI00037A62E4	P E R P V G A I I G G A K V S T K L D L L N N M I E K V D V L A V G G A M A N T K E K P V T A V L G G S K V S S K I T I I E N I L D K I D H M I I G G G M T F T P E R P Y V V V L G G S K V S D K L G V I D A L L P K V D T L L I G G G M C F T P E R P Y G V I L G G A K V S D K L G V I E N L L G K V D V L A I G G G M V F T
UniRef90_Q47XD4	PARPETAL UGGSKVSTKLTVLDSLAGEVDQLVVGGGEANT PARPETAL UGGSKVSDKVGVIDALIGKADTI I I GGGMCFT PQRPMTAL VGGSKVSTKLTVLESLSGICDQLIVGGGEANT
UniRef90_K1YZG3 UniRef90_UPI00046894D3 UniRef90_U7D5S2 UniRef90_UPI00046F5D05	A K K P F L A I L I G G A K V S D K I D L I E N L M H H V D C F L I G G G M A Y T P A R P F V A V V G G S K V S G K L Q A L L N L L P K I D K L I I G G G M A F T P K R P F V A I I G G G K V S S K I G V I E A L L P K V D K I I I G G G M A Y T P K R P V M A I V G G A K I S T K L D L L F N L L E K V D T L V I G G G M A N T
UniRef90_H5TW71 UniRef90_K7QUK5 UniRef90_UPI00035F36B4	PARPYAVVLGGSKVSDKLGVIESLAPKVDTLVIGGGMAFT PEKPYAVVIGGAKVSDKIGVLESLLPKVDRLLIGGAMAFT PAKPFTVVLGGSKVSDKLGVIENLLPRVDRLVIGGGMLFT
UniRef90_Q0G5Q9 UniRef90_UPI000375BEE4 UniRef90_B4RAK3 UniRef90_UPI00047AF42E	PEKPVVAI VGGSKVSTKI DVLTNL LDRVDYL VI GGGMANTPKKPL LAI VGGSKVSTKL TVLENL I DQVDQL I VGGGIANTPQRPVLGI VGGAKVSTKL DL LNNL VGKL DYLAI GGGMANTPNRPMAAI VGGAKVSTKL EL LGNL MRRVDYL FI GGGMANT
UniRef90_K8EG22 UniRef90_V5SFM9 UniRef90_A3JZ25 UniRef90_T1KA75	PERPFCAI VIGGSKVSSKI GVIESLLAKSDKVI LIGGGMIFT PKRPVAAI VIGGAKVSTKI PVLT NLSAKVDKLI I GGGMANT PERPVLAVVIGGAKVSTKLDLLSNLVEKVDMLVI GGGMANT PEKPFLAI LIGGAKVQDKI QLLIENLLDKVNEMI I GGGMVFT
UniRef90_17KA73 UniRef90_D5UF27 UniRef90_A8FN77 UniRef90_UPl0003695987	PERPYVVVLGGAKVSDKLGVIGNLLTKADKLLIGGGMMFTPARPFVAVVGGSKVSGKLQALTNLLPKVDKLIIGGGMAFT
UniRef90_D4YM44 UniRef90_E6VX65 UniRef90_M2W1D6 UniRef90_UPI000379E08B	P E R P Y A V V L G G A K V S D K L G V I A N L L K I A D Q L L I G G G M V F I P Q R P Y T V V L G G S K V S D K L G V I E S L L E R A D T L I I I G G G M V Y T P D R P Y V C V S G G A K I S T K I G I L N N L L G K V N D I V I G G A M A N T E E R P Y A V V L G G S K V S D K L A V I E A L A D K A D T L V I G G G M Y Y T P E R P V V A V V G G A K V S T K L D L L G N L V A K V D Y L V I G G G M A N T P A R P L V A I V G G S K V S T K L E V L E S L S D L C D Q I I V G G G I A N T P A H P V T A I V G G A K V S D K I L L L E K L L D F A D N I I I G G A M A Y T P A R P M V A I V G G S K V S T K L Q V L E T L S S K V D Q L V V G G G I A N T
UniRef90_UPI000379E06B UniRef90_M5DVS6 UniRef90_UPI0003754A60 UniRef90_UPI000372FF58	PARPLVAI VGGAKVSTKLEVLESLSDLCDQI I VGGGMANT PAHPVTAI VGGAKVSDKI LLLEKLLDFADNI I I GGAMAYT PARPMVAI VGGSKVSTKLQVLETLSSKVDQLVVGGGLANT

UniRef90_C6X3J9 UniRef90_L0DST7 UniRef90_D5HGG9		280 Y L P P V P L L P
UniRef90_D8JYH8 UniRef90_I0UXC8 UniRef90_B9L8C3 UniRef90_G8R697	FLK AKGYENGKSLVDDSKNDYCKEMMAKAESLGKKLIFL QAAGTNVGKSLAEPEFAETAREN LAKAKEKGCENFLA AQGHGVGSSLLESDMVATCARLLDEA GDKLIFLK AMGYNVGNSLVEDELIDEALKIMAEAKRLGVKF	V L P L L P Y L P Y L P
UniRef90_E3I2K4 UniRef90_UPI00036F6978 UniRef90_UPI00047D4DB3 UniRef90_UPI00046EC3CA	FLA AQGHGVGSSLLESDMVATCARLLDEA GOKLIFLK AMGYNVGNSLVEDELIDEALKIMAEAKRLGVKFFLK AQGGKVGSSLVEDDFLETAREILKTAEAKGVKVVFL YADGVAVGKSLCEPNAIDTVKEIRAKAEAAGCKIVFIAAAGGLADAKALGADAKARGADIFLA AQGLPVGKSLHEPDLLDTARSIIAAKAQEKNCDLVFK AQGGQVGNSLVEDDKLALALSLLEKAKAKAKGVQLVFVK ANGGKIGNSLVEDDKLALALSLLEKAKAKAKGVQLVFVK ANGGKIGNSLVEDDKLDLAKEILAECKKHNVNVFLA AQGHSVGKSLLEEEQIDTVKGYIAEAAERGVELIFLKALGY ETGKSLVEDDLIDEAKRVMEKAKGKGVRF	V L P P V P P L P V L P
UniRef90_UPI00040485F7 UniRef90_UPI00036A3917 UniRef90_N6X8P9 UniRef90_F2LX79	FLA AQGLPVGKSLHEPDLLDTARSIIADAKARGADIIFLA AKGFKVGKSLKEDDMLDTARQIIAKAQEKNCDLNFKAAQGQVGNSLVEQDKLALALSLLEKAKAKGVQLNFVKANGGGVGLNFVKANGGKIGNSLVEDDKLDLAKEILAECKKHNVNVLFLAAQGHSVGKSLVEDDLIDEAKRVMEKAKGKGVRFNLAAQGHSLVEDDLIDEAKRVMEKAKGKGVRFNFLAAKGTDVGKSLVEDDLIDEAKRVMEKAKGKGVRFNFLAAKGTDVGKSLCEHDLAETAKRIMTAADKAGCEIN	V L P Y L P L L P
UniRef90_A0NNF5 UniRef90_A9HM30 UniRef90_Z9JYD0 UniRef90_UP100035FF951	F L A A Q G H G V G S S L L E S D M V A T C A R L L D E A G D K L I F L K A M G Y N V G N S L V E D E L I D E A L K I M A E A K R L G V K F Y F L K A Q G G K V G S S L V E D D F L E T A R E I L K T A E A K G V K V Y F L Y A D G V A V G K S L C E P N A I D T V K E I R A K A E A A A G C K I Y A D G V A V G K S L Y E E D L I G T C K K L S A D A E A A G G C K I Y E L A A A G H N V G K S L Y E E D L I G T C K K L S A D A E A A G G C K I Y E L A A A G H N V G K S L Y E D D L L D T A R S I I A D A K A R G A D I L F L A A K G F K V G K S L K E D D M L D T A R Q I I A K A Q E K N C D L V F L A A K G F K V G K S L K E D D M L D T A R Q I I A K A Q E K N C D L V F V K A N G G K I G N S L V E D D K L D L A K E I L A E C K K H N V N V L I F L K A A Q G G K I G N S L V E D D L L D E A K R V M E K A K G K G V R F Y F L A A K G T D V G K S L C E H D L A E T A K R I M T A A D K A G C E I V F L A A N G V R V G K S L Q E A D M H D T A R A I M A K A E E R G C E I V F L A A R G I D V G K S L Q E A D M H D T A R A I M A K A E E R G C E I V F L A A R G I D V G K S L Q E A D M H D T A R A I M A K A E E R G V E L X F L K A K G W E I G T S L L D G D Q L E T V R G Y I A Q A E S A G V E L X F L K A K G W E I G T S L L D G D Q L E T V R G Y I A Q A E S A G V E L X F L K A K G W E I G T S L L D G D Q L E T V R G Y I A Q A E S A G V E L X F L K A K G W E I G T S L L D G D Q L E T V R G Y I A Q A E S A G V E L X F L K A K G W E I G T S L L D G D Q L E T V R G Y I A Q A E S A G V E L X F L K A K G W E I G T S L L D G D Q L E T V R G Y I A Q A E S A G V E L X F L K A K G W E I G T S L L D G D Q L E T V R G Y I A Q A E S A G V E L X F L K A K G W E I G T S L L D G D Q L E T V R G Y I A Q A E S A G V E L X F L A A R G I D V G K S L C E H D L T G T A N E I M D A A D K A N G T V F F A K A Q G G K I G M S I C E D D K L D V A L D V M K K A K E N G V N L Y E D D K L D V M K K A K E N G V N L Y E D D K L D V M K K A K E N G V N L Y E D D K L D V M K K A K E N G V N L Y E D D K L D V M K K A K E N G V N L Y E D D K L D V M K K A K E N G V N L Y E D D K	V L P V L P V L P H L P
UniRef90_R5PSE1 UniRef90_B0TUC1 UniRef90_UPI00036F0C3A	FAK AQGGKIGMSI CEDDKLDVALDVMKKAKENGVNL FVAAAGH QVGKSLYEADLIEEAKRLVANAQSRGGDII FIA AKGIDVGKSLCEHDLADTARTIIAKAEKTGCAI FFK AMGFETGNSLVEPDRLDMAKDLLSRAG DKLV	V L G P V P V L P V L P
UniRef90_UPI00047C6E75 UniRef90_UPI0003734C8E UniRef90_B5JTF2 UniRef90_UPIF0003643ABC	F F K A M G F E T G N S L V E P D R L D M A K D L L S R A G D K L V F L K A Q G H E V G K S L L E E D Q L D T V R A Y L A R A E E N G V E F V F I A A E G H P V G N S L Y E A D L V C E A T K L S T Q A K E Q G G N I F L A A R G T D V G K S L C E H D L A P T A K Q I M I E A A E A G C A I I F L H A Q G K A V G K S L C E K D L A E T A L R I L D A A A S A K C R I J	V L P P V P I L P I L P
UniRef90_UPI0003643ADC UniRef90_W4T4V7 UniRef90_F0V8M5 UniRef90_R4RLK8	FLA AEGHPVGNSLYEADLVCEATKLSTQAKEQGGNIIFLA ARGT DVGKSLCEHDLAPTAKQIMIEAAAEAGCAIIFLAAAGKAVGKSLCEHDLAETALRILDAAASAKCRIIFLKALGGKIGKSLCEKDLAETALRILDAAASAKCRIIFIKALGGKIGNSLVEEDKLPLALEILGKAKEHKVKV	Y L P I L P
UniRef90_G0A5Y8 UniRef90_UPI0004726885 UniRef90_UPI000423F47A UniRef90_K1MXV7	FIAAAGY GVGKSLYEADLIDEAKRLMAAAKQRGADII FLKSKNY PIGTSLVEEDFVPLAKSFLEK YSDKI FIA ANGHNVGKSLYEADLIGEATRLMQQAKDNGGDII FIK AQGGNIGSSLVEEDKLDLALDILQKAKAQNVKV	PVP VLP PVP YIP
UniRef90_UPI0003B56D00 UniRef90_C5JB63 UniRef90_W5WQX8 UniRef90_R5VXI4	FIK AQGGNIGSSLVEEDKLDLALDILQKAKAQNVKV FL AEGFSLGTSFYEEEHLEEARKILSAAQEKGVKV FL MAQGVKVGKSLVEADMLDNARAVMEKAKKAGCDIV FLA AQGYEVGGSLLQEDMIDTCKDL LDRFGDVIV FLKS QGKEVGKSLLDEEKIGYCRDMIAKAKAEGKKLI FLKAQGLAVGKSLHEADLLDTARALMADAKARGAEII FLKAQGLAVGKSKIEEDKLPLARNFLRKARDRQVTVI	Y L P V L P V L P L L P
UniRef90_UPI00040F67CA UniRef90_D0LTS7 UniRef90_V8A4G6 UniRef90_UGHP9	FLKALGY E TGKSL VE DDL I DE AKRV MEKAKGKGVRFY FLA AKGTDVGKSL CEHDL AETTAKRI MTAAADKAGCEI FLA ANGVRVGKSL QEADMHDTARAI MAAABKAEESAGVELV FLA ANGWEIGTSL LDGDQLETVRGYI AQAESAANCTVV FLK AKGWEIGTSL LDGDDQLETVRGYI AQAESAANCTVV FLK AKGWEIGTSL LDGDDQLETVRGYI AQAESAANCTVV FLK AKGWEIGTSL LDGDDQLETVRGYI AQAESAANCTVV FVAAAAGH QVGKSL CEHDLT GTAAKRI VAANAADKAEKTGCOLI FLA AAGG KI GMSI CEEDDLI DE AKRI VAANAAQSRGG DII FVAAAAGH QVGKSL VEEDDLI DE AAKRI VAANAAQSRGG ON II FVAAAAGH QVGKSL VEEDDQL DTARAAE GOOGNI II FLA AAGG HEVGKSL LEEEDDQL DTVRAA GAAEAGC ON II FLK AAGG KAVGKSL CEHDLAPTAALEI LGKAAKEKGVKL I FI KAAGG KAVGASL VEEDDKL PLAALEI LGKAAKEKGVKL I FI KAAGG KAVGASL VEEDDKL PLAKKDL AAAAAACKCRI I FI KAAGG KAVGASL VEEDDKL PLAKKSFLEKGVKL I FI KAAGG KAVGASL VEEDDKL PLAKKSFLEKGVKL I FI KAAGG KOONSL VEEDDFV PLAKKSFLEKGVKL I FI KAAGG KOONSL VEEDDFV PLAKKSFLEKG VOKKV V FLK AAGG KOONSL VEEDDFV PLAKKSFLEKG CODI FI KAAGG FEVG SSL VEEDDFV PLAKKSFLEKG CODI FI KAAGG FEVG SSL VEEDDFV PLAKKSFLEKG CODI FI KAAGG FEVG SSL VEEDDFV PLAKKSFLEKG CODI FI KAAGG FEVG SSL VEEDDFV PLAKKSFLEKG CODI FI KAAGG FEVG SSL VEEDDFV PLAKSFLEKG CODI FI KAAGG FESSL GESSL VEEDDFV PLAKSSFLEKG CODI FI KAAGG FESSL GESSL VEEDDFV PLAKSSFLEKG CODI FI KAAGG FESSL GESSL VEEDDFV PLAKSSFLEKG CODI FI KAAGG FESSL GESSL LDEEKI GTAAKDI MAARAAGCTI I FI KAAGG FESSL GESSL LDEEKI GTAAKDI MAARAAGCTI I FI KAAGG FESSL GESSL LDEEKI GTAAKDI MAARAAGCTI I FI KAAGG FESSL GESSL LDEEKI GTAAKDI MAARAAGCTI I FI KAAGG FESSL GESSL CEEKDL LDTAARAI MAAAAGCTI I FI KAAGG FESSL GESSL CEEKDL LDTAARAAG GOON I FI KAAGG FESSL CEEKDL LDTAARAA GOON I FI KAAGG FESSL CEEKDL LDTAARAAG GOON I FI KAAGG FESSL CEEKDL LDTAARAAG GOON I FI KAAGG FESSL CEEKDL LDTAARAAG GOON I FI KAAGG FESSL CEEKDL LDTAARAAG GOON I FI KAAGG FESSL CEEKDL LD GESSL CEEKDL LD GESSL CEELU FI KAAGG FESSL CEELU LAAGG GOON I FI K	PLP HLP LLP
UniRef90_UPI00035FB7E0 UniRef90_D5RPK4 UniRef90_Q83AU6 UniRef90_J0LDJ4	FLK AFGDNIGNSI VEKDLMNDALQI VEEAKKLGVQL	Y L P
UniRef90_F4L1M5 UniRef90_F6D935 UniRef90_Q27685 UniRef90_A3WLE2	FIK AQGGQIGNSLCEDDRLELANQLIAKAAAKGVKLIFIKAAGH NVGKSLCEDDLVPTANKLNEIMNARNASIFQK AQGRKIGISMCEEDKLDLAKSLLKKAQERGVQVIFLA AQGHNVGKSLYEKDLVPEAQRLMAAAKAKNAEI	L L P P V A L L P P L P
UniRef90_UPI0003718770 UniRef90_UPI00040E1377 UniRef90_C6BUI7 UniRef90_D8LRT8	FMKSRGGK VGKSLLEEDKLDVAREIEETAKKNGVRL FMK AQGGNIGNSLCEEDRLQTALDLLKKAEEKGVCIF FLL AQGKAVGKSLVEESLVDTAKEIMDKAASSGTTL FYRALG MSTGASLVEEDFVDMARDLMKKAEAKGVKFI	V L G H L P L L P
UniRef90_N9TV19 UniRef90_I1YK46 UniRef90_UPI000468D42D UniRef90_F8C263	F Q K A L G H K I G T S I C E D D R V E M A K Q Y L V E Y K D K T Y F I A A E G F N V G N S L Y E A E L I D T C K Q L R S A A Q A K G G D I F A K A Q G G K I G N S L V E D D K L D L A L E I I A K A K E K G V N L Y F L A A K G Y S V G E S L L E N D Y I G V A K Q I M K E A K D Y G V K I S	V L P P V P V L G Y L P
UniRef90_D8HZK4 UniRef90_UPI00036F0C7C UniRef90_UPI00041B8F8F UniRef90_UPI00028A1244	FLK AQGHEVGNSLLQADQLDQVKGFLAEAEKRGVELT FIAAAGY NVGKSLYEADLVDQAKALMEK VKV FLA ANGLSVGTSLKEEEMLDTAKAILAKARERGCDLT FIKALGGK IGNSICEDDKLELAKEILKLAKEKNVQVI	V L P P L P V L P H L P
UniRef90_A0A010ZUN3 UniRef90_UPI00037A62E4 UniRef90_Q47XD4 UniRef90_C7MND4	FLA AQGHGVGDSLLEQEMIDTOKRLLSE GGDKINGFLK AQGKEIGTSLVELEMLDVVEGLIESARENGVKLIFIA ADGHNVGKSLYEADLVEEATRLTKQAKANNGDIIFLA AQGYSVGASLKEDDWIARAAQMIEAAHKAGVQLI	V L P L P L L P
UniRef90_UPI00036801E9 UniRef90_K1YZG3 UniRef90_UPI00046894D3 UniRef90_UPD592	FLA AQGYSVGASLKEDDWI ARAAQMIEAAHKAGVQLIFLAAAG KNVGKSLYEADLIPQAKALMEK FLAAAG KNVGKSLYEADLIPQAKALMEK FLK AKGFDIGNSLLEESKVSHASRILKKAEQKGIEIIFLK AQGLDVGNSLVEDDLIPEALNVLEEARKLGVKLFYK AQGLEIGDSICEDDKVDLARELLDKAGT	L P Y L P Y L P
UniRef90_UPI00046F5D05 UniRef90_H5TW71 UniRef90_K7QUK5 UniRef90_UPI00035F36B4	FLN ARGIDVGASLCEHDLADTAREILSKAERVGCEVIFLA AQGHSVGKSLLQEDQIDVCKDL LDRFADVIIFLKALGG EVGKSLVEEDRLGKDL SRAEALGVKVLIFLA AQGHSVGKSLVEEDRLGKAKDLLSRAEALGVKVLIFLA AQGHSVGKSLLEADQLETVRGYLAEARERGVELIFLA AKGVDIGKSLCEHDLADTARSVMSRAEEKGCEIIFLVAAGFNVGGSLMEADLVDKARELMQKAKEKGAEIIFL	H L P Y L P
UniRef90_Q0G5Q9 UniRef90_UPl000375BEE4 UniRef90_B4RAK3 UniRef90_UPl00047AF42E	F L A A K G V D I G K S L C E H D L A D T A R S V M S R A E E K G C E I I F L V A A G F N V G G S L ME A D L V D K A R E L M Q K A K E K G A E I I F R Y A Q G F E I G G S L C E K E M A D T A R E I I A K A Q A G G C K L I F L A A S G K A V G K S L C E L Q L A D V A R K I L A D A D A T N C Q L Y F Y K A L G K S V G A S L V E D D K V E L A K T L M A E A E K K G V K L I	PLP VLP
UniRef90_K8EG22 UniRef90_V5SFM9 UniRef90_A3JZ25 UniRef90_T1KA75	FYKALG KSVGASL VEDDKVELAKTL MAEAEKKGVKLIFLL AGGVEIGRSLAEPNLIDTVHEIMHAAKSRSCEIVFLA AQGIDVGKSLCEHDMTGTAKAIAEKAVETGCELIFLKVLNNMKIGASLFDEEGAKIVNKLMDKAKANKVQII	- L P V L P L L P
UniRef90_D5UF27 UniRef90_A8FN77 UniRef90_UP10003695987 UniRef90_D4YM44	FILK A QGG QI GNSL CEDDRL DRL ELAN QL NAKA A K GNK LIFF QK A QGR KN GO SK CEDDRL VPTAN KL NK A QERG QV VIFF MK A QGR KN GO SK CEDDK VPTAN KL NK A QERG QV VIFF MK A QGR KN GO SK CED KN V PEA GR L MK A A K KN KN GV RL VP EA A GR L MK A A K KN KN GV RL VP EA A GR L MK A A A K GN K GV RL VP EA A GR L MK A A A K GN KN GV RL VP EA A GR L MK A A A K KN KN GV RL VP EA A GR L MK A A A K GN KN GV RL VP EA A GR L MK A A A K KN KN GV RL VP EA A GR L MK A A A K GN KN GV RL VP EA A GR L MK A A A K KN KN GV RL VP EA A GR L MK K A A E K K G T T G L T T T T T T T T T T T T T T T	VYLP MLP
UniRef90_E6VX65 UniRef90_M2W1D6 UniRef90_UPI000379E08B UniRef90_M5DVS6	FLLALGH PVGKSL VETDLVPEALSIMAKAGTLGTTLIFLA AQGVSVGNSL CEESMIDTCKELLER YADVIFLA ANGVDVGKSL CERDLLDTARDITAKAAAAGCRIYFLAAAGN NVGKSL CEDDLIPAAKKLMEK	H L P V L A P V P
UniRef90_UPI0003754A60 UniRef90_UPI000372FF58	FSL AQGGKVGKSLVERDKTDKALDLIKKAEANGTKI FIA AQGHNVGQSLFEDSLIPDAKRLMENAQDIGGDI	Y L P P V P

UniRef90_C6X3J9 UniRef90_L0DST7	290 300 310 320 S D T V A D E F S N D A D T R E E D Y D P D G W M G M D A G P K T R L L T D V T V G Q E F S E S T P A V V K S V A D V S D G D M F D V G P E T A S T	
UniRef90_D5HGG9 UniRef90_D8JYH8 UniRef90_I0UXC8	V D T V MI E D F D G P S I K T E V F D A D K M P A D K E G C D I G P K T I E L V D A V I A R E F K E G A A S E V V A I D D V P A D A M L D V G P K S V A H V D F V V A D A F S A D A R T R T V P A T G I E D G W M G L D I G P E T V A A	
UniRef90_B9L8C3 UniRef90_G8R697 UniRef90_E3l2K4 UniRef90_UPl00036F6978	TDVI CGKEFSPAAEA TLKNVADVASDDMI FDI GPRSVAE	
UniRef90_UPI00047D4DB3 UniRef90_UPI00046EC3CA UniRef90_UPI00040485F7 UniRef90_UPI00036A3917	QDSYVADAFANDANRQTA DNLQI PEGFMGLDI GPETVKL	
UniRef90_N6X8P9 UniRef90_F2LX79 UniRef90_A0NNF5	I DIV V VIA PEFA A DA PA SIV V TIVI D QII IPA D QMGL DII G PES RKL V D F V C S T SIVE D A T N S R T F T Y Q E II PD D L M G L DII G PA T II E L A D A V V V A K F F K A G A F N F T V A L D A II PS D G M I D D V G A A S II F T	
UniRef90_A9HM30 UniRef90_Z9JYD0 UniRef90_UPI00035FF951 UniRef90_R5PSE1	VDAVTATEFRADPPTRTVPIDE I PADAMML DAGPETVTL VDAVVAPAFAADSPATTVAADAM PVDQMGL DI GPESAKL YDVVVAKEFKANPPTRTVNVHE VEADEML DVGPAAVEA TDSI CGDAFKNDCNTMVCPSND I PDGWEGMDAGPATREL TDVVVASEFSPTA TATLKDVSTVSDTDMIFDI GPDSAEA	
UniRef90_B0TUC1 UniRef90_UPI00036F0C3A UniRef90_UPI00047C6E75 UniRef90_UPI0003734C8E	T D S I C G D A F K N D C N T M V C P S N D I P D G W E G M D A G P A T R E L T D V V V A S E F S P T A T A T L K D V S T V S D T D M F D I G P D S A E A V D G V V A G E F K A N A E N E T V A I D A I P A D K M M L D V G P Q S V M T V D A T I A P A M D A G A Q A S A V G R D A I P A D R L G L D I G P E S G K L V D V V A A T A F S A D A E H D V V A A D A I P A D R L G L D I G P E S G K L V D V V T G T E F S A E A V G R T C S V D D V A D D E M I L D I G P Q S R A E	
UniRef90_B5JTF2 UniRef90_Q98FJ1 UniRef90_UPI0003643ADC	V D G V V A K E F K A G A A C E T V A I S D V P A D G MI L D V G E K T V K T V D A V V A A E F K A N A A H E T V G V D A V S E T G MI L D A G P A S V A E	
UniRef90_W4T4V7 UniRef90_F0V8M5 UniRef90_R4RLK8 UniRef90_G0A5Y8	DDVVVAAKEFSETAEA TIKNVADVAED <u>DLI</u> LDIGPETAKQ	
UniRef90_UPI0004726885 UniRef90_UPI000423F47A UniRef90_K1MXV7 UniRef90_UPI0003B56D00	S D AI I A E S F S N D G E R K E A DI Y A I P E G WM G L D A G H K S R D Q D D V V V A D R C A P D A Q T A V V P V T E I P D G W L G L D N G P Q T T A R K D F V C G K E F S P N T E S A I Y K C F N I P N N F M G M D I G P E T I Q L V D V V C A K E F S E T A E A T I K N V A D V A E D D L I L D I G P E T A K Q F D H K V V H E F K N T T P I I Q E N G I A D D L M G L D I G P N T I K L T D V V C G K A F A A D A E A T L K S V A D V A D D D M I F D I G P E S A R A V D V I A A D A F N N D A D R K E V P A D E I P E G W M G L D V G A K T C T M V D L V V A N S K E A E K G E N V S I F E V P E N M A A F D I G K E T R K L K D A V V A S E F K E G A K A T T V A L D A I P A D Q M L D V G P K S V E D T D V E V A E R F D K E A D H R T V D L K S I P A G W M G L D V G P E S V K A V D C V T L A O F P N P I D A P V V V D D D D D H I D A D R F G A D I G P K T C F I	
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UniRef90_UPI00035FB7E0 UniRef90_D5RPK4 UniRef90_Q83AU6 UniRef90_J0LDJ4	VDV I VA DELSEDAKA TVKNIDAVITS KESTEDVGPRITVAA VDV I VA DELSEDAKA TVKNIDAVITS KESTEDVGPRITS AT VDV VA S DKES DKS TILKEVIT TKELPEK WMGIIDLIG PAS VKI	
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UniRef90_UPI0003718770 UniRef90_UPI00040E1377 UniRef90_C6BUI7	ADCVAATDFAPDADSKIVVP CNDI PDDREGLDI GPKTI EL SDSVI ADKFAADANTSTAPSNQ I PDGWMGLDI AENACEQ TDELWGKDI E TAOGWCDGDSVPEDGMI I DI GPESAKK	
UniRef90_D8LRT8 UniRef90_N9TV19 UniRef90_I1YK46 UniRef90_UPI000468D42D	I D N A Y T D E F A D K V P A F T T K D N I D I P D G Y M G L D I G P Q S V E L T D V V C G K H F A E N A E A E T K K V D A V E D D D M F D I G P K S A S Q S D C I A G N N F A N D T F T K V C S D F D I P F G W M G I D A G P D T R F D	
UniRef90_F8C263 UniRef90_D8HZK4 UniRef90_UPI00036F0C7C UniRef90_UPI00041B8F8F	V D V L A A T G F A A D A E H E V V A A T A I I P A D R E G L D I G P E T R E L I D V I V A N E L S E E A T P V T R H L D E V K D D E M L L D V G P Q T A Q S	
UniRef90_UPI00028A1244 UniRef90_A0A010ZUN3 UniRef90_UPI00037A62E4	T D V V L A D D F S A D A N T K V V A A D K L E D G W K G L D I G P A S V E L T D I V V A S S F S A D A T P T L V S A D E I P A D Q M G L D I G P E S A K A	
UniRef90_Q47XD4 UniRef90_C7MND4 UniRef90_UPI00036801E9 UniRef90_K1YZG3	SDVVVATEFSASA TATLKPVNEVTADEMLFDIGPETAKA CDIVVADRFAADAQTALVSA DAIPNGMMGLDIGPQTAQN TDVVCGKKFDENEPA I IKSVDEVEDDDMLFDVGPETQKL IDSVLAPKLEANTATKIAHNGEN WANMLGLDIGPETVAS	
UniRef90_UPI00046894D3 UniRef90_U7D5S2 UniRef90_UPI00046F5D05 UniRef90_H5TW71	VDVVAAQTFSQESAIKFVT TQEIPKGWMGLDIGPASSRLEDTVITSKLDFKADTSVVTADQIPVGMEGCDIGPRSIATEDAVLAKEFKADAENRTAPV TDVASDEMMLDIGAKSAAQVDVVVGDKFAADAESDTVSV EDIPDEWMGLDIGPESVNRVDVVAAQRIEAGVETQVFPADAIPPPYMGLDIGPESVNR	
UniRef90_K7QUK5 UniRef90_UPI00035F36B4 UniRef90_Q0G5Q9	VDVVAAQRIEAGVETQVEPADAIPIPYMGLDIGPKTRAL TDLVVAEKFAADAAHEVVPADAIFGAEGLGVDIGPDSAKA TDAVVARHERSGAPTETVPVEET PEDMMILDAGPLSLKA	
UniRef90_UPI000375BEE4 UniRef90_B4RAK3 UniRef90_UPI00047AF42E UniRef90_K8EG22	T DI V V A E K F A A D A A H E V V P A D A I F G A E G L G V D I G P D S A K A T D A V V A R H L R S G A P T E T V P V E E T P E D M M I L D A G P L S L K A V D V R V A A A F D E K A K A T I K D I H A V E P N E M I L D I G P E T E K L S D A V V A K D L A P G V P T R T V A K D G G V A A D E K I F D V G P D T L A E V D A I V A P R L E P N A S V R A V S I D A V G D N D M L D I G P R T I A K T D V V V A D K F A A D A N T K V V V D A I P D G W M G L D I G P D S V A S D D V V V A D K F A A D A N T K V V V D A I P D G W M G L D I G P D S V A S D D A V S V A S V C A V S V D A I P D G W M G L D I G P D S V A S D D A V S V A S V C A V S V D A I P D G W M G L D I G P D S V A S D C	
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UniRef90_E6VX65 UniRef90_M2W1D6 UniRef90_UPI000379E08B UniRef90_M5DVS6	S D G R I S K E F K A N A Q N R V A P V T D V A A D F M I D I G P D G V A F	
UniRef90_UPI0003754A60 UniRef90_UPI000372FF58	T D V V C G K E F S E S A V A T L K N A A D V E A D D M F D I G P D S S A A V D T T V G K D F S N E T P R E I V P A G E I G D E W E G L D I G P E S V K I S D V I V G Q A F S A E A E A I L R P V S D I Q Q D D M V F D I G P D S A E V	

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UniRef90_UPI00047D4DB3 UniRef90_UPI00046EC3CA	Y A A L V A K A G T V V WN G P V G V F E F D A F G N G T R T L A H A L A D S A L K A K L A G L K T L V WN G P L G V F E L P P F D E G T N A V A Q E A A R L T
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UniRef90_C5JB63	FAERLADART VEWNGPMGVFELAPFDAGTRAVAQGLID LAELLKSAGTIVWNGPWGVFEFDQFGGGTEALAAALGASD I GEWI DRAATLVWNGPLGAFEIEPFDHATVAAAKHAAART I DAAII DE AATLVWNGPLGAFEIEPFDHATVAAAKHAAART I DOAAII DE AATLVWNGPLGAFELTPFDAATVAAARHAAERT FNDVLLNSRTILWNGPLGVFEMSNFAGGTVALGESIAAERT I VQSLQDCKTVLWNGPLGVFEFSHGTKSIAQLI FKHYLTKAKTIVWNGPVGVFEFEKFSHGTKSIAQLI YAELIAKAGTIVWNGPVGVFEFDQFGEGTKAVSMAIAESP FKENLQGAKTVVWNGPVGVFEFDQFGEGTKAVSMAIAESP FKENLQGAKTVVWNGPVGVFEFDQFGEGTKAVSMAIASSP FKENLQGAKTVVWNGPVGVFEFDQFGEGTKAVSMAIASSP FKENLQGAKTVVWNGPVGVFEFDQFGEGTKAVSMAIASSP FKENLQGAKTVVWNGPVGVFEFDQFGEGTKAVSMAIASSP FKENLSGLGTMVWNGPVGVFEFDQFGEGTKAVSMAIASSP FTRALSGLGTMVWNGPLGLFEFNFAAGTKKVAAEL
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UniRef90_D0LTS7	YAMQI SRAKSLEWNGPMGVFEKAPFAAGTLAVAKAFA G
UniRef90_V8A4G6	IN A KLE GLK TL VWN G PLGAFEIK P F D T A T V S V A R K A A E L T
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UniRef90_Q83AU6	NNDVI MNSRTI L WNGPLGVFE MSNFAEGTKSLGDSI AEAT FTRALSGLGTMVWNGPLGAFEVKPFDTGTNAVAKHAADLTFSELLNKKTLEWNGPLGAFEVKPFDTGTNAVAKHAADLTFSELLNKSKTI EWNGPMGVFEFPNFAAGTNAVAKAFA GTAAASDYAELVAKAGSVVWNGPMGVFEFDAFGKGTEVLAKAIAASDYAELVAKAGSVVWNGPMGVFEKAPFAAGTLAVAKAFA GTNAVAKAFA GTAAKSLEWNGPMGVFEKAPFAAGTLAVAKAFA GTNAKLEGLKTLVWNGPLGAFEIKPFDTATVSVAARKAAELTISTVFAESKTLVWNGPLGAFEIAPFDTATVVVAARKAAELTISTVFAESKTLVWNGPLGAFEIAPFDTATVVQVAQTAALTTTYAKLMAQAGTIVWNGPLGAFEIAPFDTATVVQVAQTAALTTTYAKLMAQAGTIVWNGPLGAFEIAPFDTATVQVAQTAALTTTYAKLMAQAGTIVWNGPLGAFEIAFSQGTRALAQAVAKSTFQLALKDSQTIVWNGPMGVYFEFEKFFAKGTKTI AEAVAKSTFQLALKDSQTI VWNGPMGVYFEFEFENFAKGTKTI SKALAESKYFSETI LDSKTLLWNGPMGVYFEFEFENFAKGTKTI SKALAESKYFSETI LDSKTLLWNGPMGVFEFEFEAFSKGTKTI SKALAESKYFSETI LDSKTLLWNGPMGVFEFEFERFSKGTKTI SKALAESKYFEEVI GRCKSAI WNGPMGVFEFFAGKGTKTI SKALAESKYFEEVI GRCKSAI WNGPMGVFEFFAGKGTKTI SKALAESK
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UniRef90_E6VX65 UniRef90_M2W1D6	FIVITY I SKAKTIV VIWNG PMGILIFET PAFAEGSFAVI <mark>C</mark> RAIT AALID FAALITSNSRTIVE WNG PMGIVIEFE PKESAGTKGIVIA FAIT VIEAT
UniRef90_W2W1D6 UniRef90_UPI000379E08B	VIS AIV LIETAKTIL VIWN GPFGAFEITAPFDKGTVIAIVIARKAAFITT
UniRef90_M5DVS6	LA E QL K Q A K T I I WN G P V G V F E F D Q F G E G T K A L A L A L A E S D
UniRef90_UPI0003754A60	FSAVIAESKSII LIWNGPMGVIEEMKNFAIGTNAI IANAVAKAT
UniRef90_UPI000372FF58	LA QLI A KA GTI VWN G PVGVFEFEQFSQGTERVA Q A II A E S R

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UniRef90_D83AU6	UniRef90_UPI00035FB7E0	N H GIL VIAIVIA G G G D T IVIA AIL IN H A K A A D D F T F II IS T A G G A F IL IE WIL I	
UniRef90_JOLDJ4		S A GILIK TII IG G G G D TIVIS AIL IR H A GIVIA D R M T Y IVIS S A G G A FILIE WILI	
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UniRef90_G7Q672 UniRef90_UPI0003FE2EA3	FLA AQGYRVGKSLVEPDLYQEALDILKAAKEKGVGFYLP FLK AQGLEVGKSLLEADQVDA <mark>C</mark> RGYLAEAEKLG <u>KQIV</u> LP
UniRef90_E1YB60	FLK AQGLEVGKSLLEADQVDACRGYLAEAEKLGKQIVLPFLKS QGLDVGDSKVEEDLLEVAASTMKKAYEKGLKFYLP
UniRef90_UPI0000E0F47F UniRef90_I3TIY4	F
UniRef90_W0ZAK7	F L H A Q G I A V G K S L C E A D L A E T A R G I L A K A E A A G C K V V L P F L A A E G L K V G S S L L E A D Q L D T V R D Y V Q T A K D T G V E L V L P
UniRef90_H0ULC4	FILIA F K G ILINIVIG P SILIV D A F H A D F A P S MILIA P A K F P GIVIPIVI I ID
UniRef90_F0SGU9 UniRef90_L0REN3	FSL AKGGQVGGSLVEKDKVELAKELMDKAG DKLMLPFIA ATGFDVYSSLFEPDLLVATRELMEEAVRAGVEUPUP
UniRef90_UPI0003B43D2B	
UniRef90_H5TDJ1	FIA AQGHNVGKSLVEMNLIDQAKALIKAAKDNGGDIPIP
UniRef90_D1CFX5 UniRef90_C4LIR6	FLL AQGLKVGKSLAEADMIDTAQQLLSE QKIDLPFLK AKGYGVGDSLLEESMIDECKNLLSE YSDKIVLP
UniRef90_V4J464	FLKAAGN NVGKSLCEDDLVDTATDLMAKMTARGATIPIA
UniRef90_H0JF04	FILKAAGHD VGTSRVEEDRLDQAEALRDGAG DVLHLPFIA AQGLKVGKSLVEMNLIDQAKALIKAAKDNGGDIPIPFLL AQGLKVGKSLAEADMIDTAQQLLSE QKIDLPFLK AKGYGVGDSLLEESMIDECKNLLSE YSDKIVLPFLKAAGN NVGKSLCEDDLVDTATDLMAKMTARGATIPIAFLAAAGYK VGKSLYEADLVDTAKAIAAK VSVPLPFSL AKGGSVGRSRVEKDKVELAKELIA TGGDKLLLP
UniRef90_UPI00029A0EFC UniRef90_V4TB92	FSL AKGGSVGRSRVEKDKVELAKELIA TGGDKLLLP FLA ANGHPIGKSLHEADRLDTAREIEAKASERG <mark>C</mark> EIVLP
UniRef90_E6YX00	FILIA A O GIVISIVIG O SILI <mark>C</mark> E K TILIM T TILIK E ILI I E K A O K N H <mark>C</mark> KIL I LI IP
UniRef90_A4BAC1	FVA ARGENVGKSLHEPDLIPQAQKLMAEL DIPEAFMLAAG LPIGKSLAEPEQLDQARAVIDLMKQRGAAVPIPLLA AKGYNVQESLLQEDQIDNCKELLER FGDKLVLPFLXVLSQKQIGTSLYDEEGAKLVKDLMAKAEKNGVKITLP
UniRef90_F4GQ78 UniRef90_U7KMJ0	FMLAAG LPIGKSLAEPEQLDQARAVIDLMKQRGAAVPIP LLA AKGYNVQESLLQEDQIDNCKELLER FGDKLVLP
UniRef90_UPI000359D4CF	FLXVLSQKQI GTSLYDEEGAKI VKDLMAKAEKNGVKI TLP
UniRef90_G4CJM3	FILIQAAGH PII G <mark>C</mark> SILI <u>A</u> EAD <u>IL VI</u> DEARKII TAKMAAKGGV VIPILIP FILIKFMGR NVIGKSIL VIEEDQKDT VIDRII LIAKAKEKN VIEIL LIP
UniRef90_UPI0003B712E6 UniRef90_G9ELP7	F L K F M G R N V G K S L V E E D Q K D T V D R L A K A K E K N V E L L P F L K A Q G F E G V S L Y E E D L D E A R A L H L A E E K G C Y P L P
UniRef90_I4B945	F L K S R L E V GTS M EKD Y L SQAFQ D KAAYNKRE L L P
UniRef90_M1WLD7 UniRef90_UPI00034D84EA	FILL AQGYAVGKSLVEANLVEDAQALMLKAEKLGTRLHLP FIAAAGH NVGRSLHEADLIDQARTLMDK VDIPLP
UniRef90_Q7VJB6	FILK ARGFDMQKSLVEDDLVSEARKILDKAKEKKVKIYLP
UniRef90_UPI00037FC90A	
UniRef90_UPI000375D2CE UniRef90_UPI0003B5F582	FIVIA AHGGDIVIGRSILIYEPEQADILIARRII VLIRGEETG <mark>C</mark> AII VLIP
UniRef90_D7CSK9	FLK AQGHPVGSSLLEEDQLDTVRGYLAKAEELGVTI VLP FFK AQGGAVGASLVEDDKLELARELLGRARQRGVTLHLP
UniRef90_M5TU08	ESILLADGGKIVIGNSILVIEKDKIVIDILIAKELLIAK SDGKIL <mark>H</mark> ILIP
UniRef90_R5N9M2 UniRef90_UPI0003724F1F	FLK AKGYNVGSSLIDEEKI DFCKKI LNMSDKIVLP FVASAGN EVGNSLYEKDLI PEAQRLREA
UniRef90_U5VTS5	FILIK AQGHEIVIGKSILLIEAEMII IQI <mark>C</mark> ADILLIAEADGKII VI — ILIP
UniRef90_P57973	
UniRef90_UPI00036DB1FD UniRef90_UPI0003B717DB	FLAS QGYDVGKSLCEHDLTGTAKEIGEKAVEAGCTILLPFLA AQGFKVGSSLLEEDQIETVRGYLAQAQELGVELILPFLL ADGKRIGHSLAEPDLVKEAHTIMDIMKERGAEVPLPFMKASGVDTVNNSLVQMDMLDTAREIMATAKANDCEIILPFLR AQGKQVGGSILDASKVDACRGYLADAKAAGKSILLPFLR AQGKQVGGSILDASKVDACRGYLADAKAAGKSILLP
UniRef90_Q47A08	FLL ADGKRIGHSLAEPDLVKEAHTIMDLMKERGAEVPLP
UniRef90_R5QVA9 UniRef90_D7GEQ0	F M K A S G V D T V N N S L V Q M D M L D T A R E L M A T A K A N D C E I I L P F L R _ A Q G K Q V G G S I L D A S K V D A C R G Y L A D A K A A G K S I L L P
UniRef90_V4NE38	FL FAQGY DVGGSL CEKDLKDTALEI LTEAEARGCRI LLP
UniRef90_A4BSC8	FI A A A G H P V G R S L Y E P D L V D T A K R L T A S A T A K G G A I P L P
UniRef90_Q98QW4 UniRef90_E5EVW6	FLK AQGIGI GDSI YEQDKILEFATEFLKKYNH KI I LP
UniRef90_E0MT05	FLA ARGMEVGKSLCEHDLADTARELEAKAAAANCELIILP
UniRef90_H0E676 UniRef90_UPI000475508E	F F K A Q G H E V G S S L <mark>C</mark> E E A G V E P A A R A L R D A E L K G <mark>C</mark> R L L L P F M L A A G L N V G K S L V E A D L V P E A R R I I E K M A A R G A S V P L P
UniRef90_Q3SMD2	FLA AMGKNVGKSLVEADLVPEAKKITEKMAAKGASVPLP
UniRef90_B8AAV9	FYK AQGFPVGASLVEDDKLELATSLLAKAKEKGVSLMLP
UniRef90_UPI000364C0C3 UniRef90_F8B5H8	FILL A E G H A I G K S L A E A D L V E D A K R V I A K L R A R G G D V P L P F L A A K G H G V G G S L L E A E L I D T T K E L L A E G G D R I V L P
UniRef90_L0EUH7	FLA AKGHGVGGSLLEAELIDTTKELLAE GGDRIVLP FL MAQGVRIGRSLCEADFSDVVHRIMAEAENACCELILP
UniRef90_K2IR84	FLA AEGVDVGKSL <mark>C</mark> EHDLAETALEIVKKADEAG <mark>C</mark> EIVLP FLA AQGHEVGRSILEADQVDAVRGFLAEAEKRGVDL <u>V</u> LP
UniRef90_A0LTX7 UniRef90_I8TDS3	FLA AQGHEVGRSI LEADQVDAVRGFLAEAEKRGVDLVLP FLL ASGLPIGKSLAEKDLVPEAKRLIDKLAARGASVPIP
UniRef90_B5GBW2	FLA AKGHEVGASLLQEDQI PVVQEYLRRAAEKGVEFVLP
UniRef90_UPI0004749716	FIL Y A E G Y D M G K S L V E P D A V A T A K D L I E R A K S K G L P V I L P F L K A K G Y S V G G S L L Q D E M V D T C K E L L A A H G D K I V L P
UniRef90_UPI0003787C20 UniRef90_A0Y9R3	FLK AKĞYSVĞĞSLLQDEMVDT <mark>C</mark> KELLAA HĞDKIVLP FLA ASGKPVGKSL <mark>C</mark> EHDLLGQAKSLMAK TEIPIP
UniRef90_G0JM44	LML AEGMSIGKSLCEPNLLADAKKILKRARTQGTPIPLP
UniRef90_D6ZCQ7	FLL AQGHSVGGSLVQEDQVENAKSL LQRYGSVLKLPFLKS EGYEVGNSLVDQENIEF <mark>C</mark> TK <u>ML</u> REHPE KL <u>V</u> LP
UniRef90_R5M1E8 UniRef90_H2FXN1	FILKS EGYEVGNSLVDQENIEF <mark>C</mark> TK <u>ML</u> REHPE KLVLP FIAAAGH SVGKSLYEP <u>E</u> LLDTAKKL <u>A</u> AE <mark>C</mark> AIPLA
UniRef90_G3ADT6	FLA AQGYNVGKSLYEPCLIPEAKFLLE SRRIPIP
UniRef90_R6TBH1	FAK AHGGEI GDSI VENDKL DVALDVEKKAKENGVEL I MA FL MAQGREL GASL VERERL AD <mark>C</mark> KRVFDKAAARDVRV L LP
UniRef90_A6G1C8 UniRef90_K7RRZ5	FIK AQGHEVGTSLVDDDSIEAVKG <u>YL</u> AQAEAAGKKILLP
UniRef90_E2MWK1	FILIA AKGYAIVIGSSILLIQEEMII IDT <mark>C</mark> KDILI ILIDRYGDKII VLIP
UniRef90_A0A058ZK00	FLA AQGVGVGKSLAEHDMADTAREILTKAEAEGCEIILP FLL AKGMNIGKSLAEFDLVETARAILGKAKECGCEVLLP
UniRef90_UPI0002625F68 UniRef90_C2GHS7	FLK AQGYNVEKSMVEDDMVDTSKKLLEE YG <u>D</u> KI <u>V</u> LP
UniRef90_K2BTX8	FLA ADNISVGKSLIENDWI IPAKKLLTKAREKNVFIPLP
UniRef90_L7VXE4	FILIA AEGHAII IGD SILIFEPD WIVD SCLQII LIKDARERGIV IQIV IMILIP

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UniRef90_D3Q9H2 SDIII AAQFSAEAEPEIVAV DAI PSDRMGLDII GPEIAA UniRef90_N0E697 TDIV CGREFSADTETTVVPADAI PADMMGLDII GPESAA UniRef90_V4I2U0 VDVVVSGGFAKEPTHPDTVPADAI PADMMGLDII GPATAE UniRef90_P62412 LDVVVGPELADGAPATVRKVSEVGPD EMILDII GPATAE UniRef90_UP1000464DC2A VDIVVAGERESADAKA KIVPVQEM PKSWMGLDII GPATAE	R
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UniRef90_R5N9M2 VD S L VA K E L N E D A K L V V K D N D K F D D N D L G L D L G P K T V C UniRef90_UPI0003724F1F T D V R T T K E G F S D W S H T E V K A A N E L Q A D E E L I D Y G P E T A A	≀L R
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Holpefor K7RR75 VIDIVIRIVISIDE GAHTVDVVSADE MPAGKI GADI GPETEK	
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UniRef90	UniRef90_N0E697	Y A A K L A D A R T V F WN G P M G A F E M A P F A A G T K A V A Q A L V D A T
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	UniRef90_UPI0000E0F47F	LCELKNAGTI VWNGPVGVFELAPFAGGTKALAQALADSD
		E A CLIA G S K I I L LIWN G P F G A F E II Q P F D A A I VIA VIA K A VIE KIL II E A E II I R G S K T VIE WN G P M G VIE E II P A E A A G T K A VIA K A II T E VID
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	UniRef90_D1CFX5 UniRef90_C4LIR6	F G E R L N G A K T I F WN G P W G V F E F E A F A N G T K G L A E A II A F A T
	UniRef90_V4J464	LAELISKAGTVVWNGPVGVFEFDQFGDGTKTVSMAI AD
		Y S F V K S S K T V W N G P M G V F E F D Q F G E G I R I L A Q A I A D S D
	UniRef90_V4TB92	CEKRLAGŬKIVVWNGPEGAFECTPEDAGIVAVARRVAAČA
UniRef90_UP10003B712E6 Y T K T L G E C K T V L WN G P M G V F E K E Q F A A G T F A I A N F L G D S D UniRef90_G9ELP7 V A K V I K G A K T V L WN G P M G V F E F A Q F A Y G T R A L A I A E S D UniRef90_UP100034D84EA UniRef90_UP100034D84EA UniRef90_UP100037FC90A UniRef90_UP1000375D2CE UniRef90_UP1000375D2CE UniRef90_UP1000375D2CE UniRef90_UP1000375D2CE UN K A EI G T A K T L L WN G P L G I Y E L Q A F S R G T F N L A H A V S D T Y UniRef90_UP1000375D2CE UniRef90_UP1000375D2CE UN K A EI G T A K T L L WN G P L G I Y E L Q A F S R G T F N L A H A V S D T Y UniRef90_UP1000375D2CE UN K A EI G T A K T L L WN G P L G I Y E L Q A F S R G T F N L A H A V S D T Y UniRef90_UP1000375D2CE UN K A EI G T A K T L L WN G P L G I Y E L Q A F S R G T F N L A H A V S D T Y UniRef90_UP1000375D2CE UN K A EI G T A K T L L WN G P L G I Y E L A P F A E G T R A V A A A L T E V D UniRef90_M5TU08 Y S E L I K D A K T V V WN G P M G V F E K P P M D E G T K A V A Q A V A D S D UniRef90_UP100037374E5E	UniRef90_E6YX00	UQAAII DKAKTIL VWNGPLIGVFEMSPFDQGTVTVARYVAERS
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UNIREI9O RENIMO E E LA KILLI I WN G PO GVE E DA FA LG TELLA KILLI I LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE L	UniRef90_UPI000375D2CE	VKAEIGTAKTLLWNGPLGAFEVSPFDRATVEVAQHAAELT
UNIREI9O RENIMO E E LA KILLI I WN G PO GVE E DA FA LG TELLA KILLI I LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE LA KILLI LE DE L		Y R A V L IG G A K T V L IWN G P IL IGVIF E T K P F D R A T T A II A E T IV A DIL IE
UniRef90 UP10003724F1F F K T Y L E K S K T L W M G P M G V E F D A A K G T E L A K L T UniRef90 UP10003724F1F F A D A A K T L W M G P M G V E E D A A K G T A A A A A A A A A	UniRef90_M5TU08	Y S E L I K D A K T V V WN G P M G V F E K P P M D E G T K A V A Q A V A D S D
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UniRef90	UniRef90_U5VTS5	FADAI GSAKTVEWN GPMGVFELAPFAAGTRGVAEAI T
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	Uniket90_E0M105 UniRef90_H0F676	YREELIGAGSVEWNGPMGAFELLEPFDRAIVQAAQAAAAT
L A D L	UniRef90_UPI000475508E	LTTQLKTAKTI VWNGPMGVFEFDHFAHGTKALSEAI AQSH
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UniRef90_B5GBW2	UniRef90_A0LTX7	FAAKLADARTVEWNGPMGVEEFDAFAAGTRAVAEALARD
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UniRef90_A0A058ZK00 F G K V L A E S K T V F W N G P M G V F E M E A F A A G T R E V A Q A I I D T T UniRef90_A0A058ZK00 I K T V I A G A K T L I M N G P L G V F E M E P F Q T G T F T M L D A L A E A T UniRef90_UP10002625F68 F N N H L K T C Q T L L W N G P L G A F E V K P F G E G T F A V A K Q A A K L T UniRef90_C2GHS7 Y A E A L S T A K T I F W N G P M G V F E F E K F S D G T R G V A E A I I A A T UniRef90_K2BTX8 Y A Q A V L D S A T V V W N G P M G V F E F P E F S Q G T K A L A E A I A H S H UniRef90_L7VXE4 Y A Q A V L D S A T V V W N G P M G V F E V F P F A A G T V A V A R A I A	UniRef90_K7RRZ5	Y A E AL R G A A S V F WN G P M G V F E L K G L E E G T R A V A Q A L T E V K
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UniRef90_K2ICU3 UniRef90_G7VA29 UniRef90_J0ZTG6 UniRef90_UPI0003C14529	KQHVKDLQVEGKRVLVRCDFNVPLKDGAIRDDNRIV MAVIKMTDLDLAGKRVLIREDLNVPVKDGKVTSDARIL MKLRTVTSEAIKNKKVLLRVDFNVPLKDGRVIDDSRIR FRTIDEVDVAGKCVLVRVDFNVPMLHGRVCDETRLK MTFRNLETADLAGKRALVRVDFNVPMDGGRVTDDTRLR
UniRef90_UPI000301F82B UniRef90_H6RQD8 UniRef90_Q8FT66 UniRef90_UPI00037B88BD UniRef90_C6WYG2	K S L D E L G V S G R R V L V R S D L N V P L D G T T V T D D G R V R R S L D D L G V S G R R V L L R A D L N V P L D K G T I T D D G R I R M A V K T L K D L G V D G R H V I V R S D F N V P L N D D R I T D K G R I I L S P K D L K L R G K T V F L R V D F N V P I T Q G K I T D D N R I R M N V I K M T D L D L N G K R V L I R A D L N V P V A D G K V T S D A R I T
UniRef90_F1W0P7 UniRef90_E0UPB7 UniRef90_UPI00037D53E3 UniRef90_D5BRS5 UniRef90_A3U3N1	M Q F N R L S D L Q L R G K R V F I R A D L N V P Q D D G N I T E D T R I R V F I R C D F N V P M D E G N I A D D R R I R A A L I K M A D L D L S G Q R V L I R E D F N V P I S D G K I V S D Q R I L F L F A D E L D V K G K R V L L R L D L N V P L Q D G K V S E D T R I K K T L D D L E L D G K R V L V R V D I N V P V E A G R V T D A T R I E
UniRef90_Q21NJ2 UniRef90_E9URS3 UniRef90_A9E6Z1 UniRef90_D7WCM1 UniRef90_UPI0003653194	KT LD DL E L D G K R V L V R V D I N V P V E A G R V T D A T R I E M A V I Q M K D L D L K G K R V L I R Q D L N V P L Q D G E I T S D V R I Q V A G K R V L V R S D L N V P L E G T T I T D D G R I R K S L D D I E L D G K R V L L R V D F N V P V E D G R V T D A T R I E M A V R S I D E L G V D G R H V L V R S D F N V P L D D G N I T D A G R I D M F K I K T L S S L E L K N K R V F I R A D L N V P F N D G E I T E D T R I R
UniRef90_W8K1L1 UniRef90_Q0BXD8 UniRef90_K6VZ67 UniRef90_K7ABR0 UniRef90_K0KTI 4	I M D R L T V R D L S P E E Q K V L V R V D F N V P V K D G K I I D D I R I R M P S F K R I P D A N L T G K V A L V R V D F N V P M E N G L V T D D T R L R M N F Q R M T D L D L T G K R V L I R E D L N V P V K N G E I T S D A R L R M S L L K M T E L D L A G K R V L I R Q D L N V P V K D G V V T S D A R I R S L K N K L S I K D V D L K D K R V L I R V D Y N V P H I D K K I L D N Q R I I
UniRef90_UPI00035EDAA5 UniRef90_UPI00036BB825 UniRef90_F9UK61 UniRef90_W0E6S8 UniRef90_UPI000289CC90	TYKNLQDLLDAGVDGRHVLVRSDFNVPLNDGEI TDPGRIT MKFRRLENASLDNKTALVRVDFNVPVTEGGI ADDTRLR KKTI DDLTLENKVVLLRTDFNVPMNKGI I MSNKRI V MSFIKLTDLDLAGKRVLI RSDLNVPVKDGLVSSDARIR MSLRTLSTLDLRGKRVI VRCDLNVPLKDGQI TDDGRIR
UniRef90_A1SRW7 UniRef90_UPI0003641CB6 UniRef90_O00940 UniRef90_A4EVU0 UniRef90_A6GSN8	MSVKKMVDQDLAGKRVFIRQDLNVPIKNGKVTSDARIR KTLDDLGVTGRRVLVRADLNVPLDGATITDDGRVR VDFNVPIKDGRITDSNRIQ KTLDDMDLNGKRVLVRVDINVPLVDGVVTDSTRIR MLRFLRLTDQNVSNKRVLIRVDFNVPVDNGNITEDTRIR
UniRef90_T1AU04 UniRef90_C0XSW6 UniRef90_A1V135 UniRef90_UPI0002F8C3E6 UniRef90_A0A058ZI08	MT F L R MT D L D L R G K R V L I R E D L N V P L K D G R I T S T Q R L Q L Q T I Q Q L L D E G V D G R H V L V R S D F N V P L D D G N I T D A G R I D M S Q V K R L T D L K L S G K R V F I R A D L N V P Q D H G N I T E D T R V R D F A G K R V I V R S D L N V P M D G D T I T D P G R I E I M D M D V K G K R L L V R A D L N V P V Q D G F I T D D T R I K
UniRef90_S6GFL4 UniRef90_J9DUD8 UniRef90_G4ELC4 UniRef90_K2BWU6 UniRef90_N9TVF8	MKVLKMSSLDLAGKRVLIREDLNVPIKAGKVTSDARIR MSIKNFSEITPQNRKVILRCDLNVPVKNGVIGDDGRIV NKKTLRDVNVEEKKVIVRVDFNVPIQTGKITDQTRII KMSDLKLKGKRVLIREDLNVPIKNGVITSDLRIR KKTIKDIQLTNKRVIIRVDFNTPIKNGVITSDLRIR
UniRef90_A8KYR5 UniRef90_X0SDJ4 UniRef90_U2HPN2 UniRef90_E6PCN0 UniRef90_B6AXW5	K K T I K D I Q L T N K R V I I R V D F N T P I K N G I I Q S N E R I V R T I D D L Q V T G H R V L V R S D L N V P L D H S R I T D D G R V R M V E L R K I Q D A E V E G K T V L V R V D Y N V P L R N G G V L D D R R I Q M A F R K L A Q L D L E S R H V L L R A D L N V P L T D G E I A D P G R I T M S Y A T L D D L D C A G K R V L L R E D F N V P L K D G A I L D Y T R I D T L D Q M D L A G K R V L T R V D I N V P M E N G V V T D A T R I E
UniRef90_A0A010NQW4 UniRef90_E7RUQ3 UniRef90_J3TGJ5 UniRef90_M5Bl31 UniRef90_A0A031K6X0	RTI DDLQVTGHRVLVRSDLNVPLDHSRITDDGRVR MVELRKI QDAEVEGKTVLVRVDYNVPLRNGGVLDDRRIQ MAFRKLAQLDLESRHVLLRADLNVPLTDGEIADPGRIT MSYATLDDLDCAGKRVLLREDFNVPLKDGAILDYTRID TLDQMDLAGKRVLLREDFNVPLKDGAILDYTRID TLDQMDLAGKRVLTRVDINVPLSDGVVTDATRIE LNGRRVLVRSDLNVPLSDGVVTDDGRVR MKFKRLADLDLKGKKVFIRSDLNVPLDENNITDDTRIR SLSNKLSITDLSLKDKRVLIRVDENVPLQDGKITNPARIV MTAFKTLDDDLDVIGKVALVRVDINVPVENGVVTDTSRIE FAHRTVLVRSDLNVPPVENGVVTDTSRIE KTLDDMDFAGKRALVRVDINVPVENGVVTDDTRIR KALDDMDFAGKRVLVRVDINVPVENGVVTDDTRIR
UniRef90_A3V957 UniRef90_K9APP9 UniRef90_A1VNR8 UniRef90_A3SY41 UniRef90_A3JPH5	MA <u>WK</u> TLDDD <u>M</u> DLANKRVL <u>C</u> RVDLNVP <u>M</u> ADĞQVTDTTR ID
UniRef90_E7ABS3 UniRef90_R5G771 UniRef90_N1V7E1 UniRef90_UPI00047BF5A2 UniRef90_K2EJK2	VRGRTVLVRSDLNVPLEGEEVADDGRUR
UniRef90_A0A024HXL8 UniRef90_V9TWD1 UniRef90_G8LRV6 UniRef90_R5SV73 UniRef90_Q164R7 UniRef90_A2SJK7	
UniRef90_UPI00029B21F8 UniRef90_M7MPU7 UniRef90_J9H1G2 UniRef90_D0JAX6 UniRef90_W8X5C3	AVSTLKDLLEVGVEGRKILVRCDLNVPLDGNVITDAGRIT MTFHTLDELGVLGRHVLVRSDLNVPLDGFTVTDDGRIR LIRSDLNAPRDEGHITNETRLV IKTVNNFDFKNQIALMRVDFNVPIDKYYITDDTRIQ MTTVQTLSGLALKGKRVFIRSDLNVPLEQGRITEDTRIR
UniRef90_P47542 UniRef90_E6PJJ7 UniRef90_C6XFH3 UniRef90_UP100047C27D2 UniRef90_UP100036CCD20	MTFHTLDELGVLGRHVLVRSDLNVPLDGFTVTDDGRIR I KTVNNFDFKNQLALMRVDFNVPIDKYYI TDDTRIQ MTTVQTLSGLALKGKRVFIRSDLNVPLEQGRITEDTRIR NMLNFKTLQAIDFQNKTVVLRSDFNVPMINGVISDSERIL QDKRVFIRADLNVPLNRGEITEDTRVR MSRLRTMNDLDIRGLRCLLRVDWNVPFIDGKVADVTRIE MSAK TLDSLEMKDRYVLVRSDENVPIKDGVIADDGRIR I KTLSQLNPQKAQVILRCDLNVPIKDGVIADDGRIV RKISTIDFKGKTVLIRVDNVPPLNRGGEITITDDGRIR I KTLSQLNPQKAQVILRCDLNVPIKDGVIADDGRIV RKISTIDFKGKTVLIRVDYNVPPLNRGEITITDDYRIL MADFNRIDDADLTGKTALVRVDFNVPMADGKVSDDTRLV MSDFRRIEDADLTGKTALVRVDFNVPMADGKVTDDTRLR SRKLFYKNADLKDQTIVMRVDFNVPIKDGTVDDPARIH MSVIKMTDLDLTGKRVLIRTDFNVPIKDGKVISDARIR MSIIKMSDLDLLGKRVLIRADLNVPIKDGKVISDARIR NIKTVNDFNFKNKTAIVRVDFNVPIKDGKVISDARIR NIKTVNDFNFKNKTAIVRVDFNVPIKDGKVISDARIR NIKTVNDFNFKNKTAIVRVDFNVPIKDGKVISDARIR NIKTVNDFNFKNKTAIVRVDFNVPIKDGKVISDARIR NIKTVNDFNFKNKTAIVRVDFNVPIKDGKVISDARIR
UniRef90_UPI0003A6B48A UniRef90_UPI0003B63F1E UniRef90_A0A059F6N7 UniRef90_A1BQS8 UniRef90_C5WCF8	RKISTIDFKGKTVLIRVDYNVPVENELVTDDYRIL MADFNRIDDADLTGKTALVRVDFNVPMADGKVSDDTRLV MSDFRRIEDADLTGKTALVRVDFNVPMADGKVTDDTRLR SRKLFYKNADLKDQTIVMRVDFNVPLKDGTVDDPARIH MSVIKMTDLDLTGKRVLIRTDFNVPIKEGKIISDARIR
UniRef90_C3WCF6 UniRef90_R4I0L9 UniRef90_G7SQ16 UniRef90_F6BEF6	M S

UniRef90_D4Z0L3 UniRef90_A3WCS2 UniRef90_B9KZ66 UniRef90_R6XFY4 UniRef90_K2ICU3 UniRef90_G7VA29 UniRef90_UP10003C14529 UniRef90_UP100030C14529 UniRef90_UP100037D53E3 UniRef90_UP100037B88BD UniRef90_E0WYG2 UniRef90_E0WPG7 UniRef90_E0UPB7 UniRef90_E0UPB7 UniRef90_B1W0P7 UniRef90_B2UPB7 UniRef90_B2UPB7 UniRef90_B2UPB7 UniRef90_UP100037D53E3 UniRef90_B5BRS5 UniRef90_A3U3N1 UniRef90_D5BRS5 UniRef90_B9URS3 UniRef90_BUPS3 UniRef90_BUPS3 UniRef90_W8K1L1 UniRef90_UP10003653194 UniRef90_W8K1L1 UniRef90_UP10003653194 UniRef90_W8K1L1 UniRef90_UP1000365000000000000000000000000000000000	80T
UniRef90_A3JPH5 UniRef90_E7ABS3 UniRef90_R5G771 UniRef90_N1V7E1 UniRef90_UPI00047BF5A2 UniRef90_K2EJK2 UniRef90_A0A024HXL8 UniRef90_V9TWD1	R
UniRef90_G8LRV6 UniRef90_R5SV73 UniRef90_Q164R7 UniRef90_Q164R7 UniRef90_UPl00029B21F8 UniRef90_UPl00029B21F8 UniRef90_J9H1G2 UniRef90_D0JAX6 UniRef90_W8X5C3 UniRef90_E6PJJ7 UniRef90_E6PJJ7 UniRef90_C6XFH3 UniRef90_UPl00047C27D2 UniRef90_UPl0003A6B48A UniRef90_UPl0003B6SF1E UniRef90_UPl0003B6SF1E UniRef90_A0A059F6N7 UniRef90_A1BQS8 UniRef90_C5WCF8 UniRef90_C8H0L9 UniRef90_G7SQ16 UniRef90_G7SQ16 UniRef90_F6BEF6	Y S I P T I K K I I N E Y G K V V L I S H F G R P K G K R S K T Y S L K F M V M S L D T I N Y L L K N N C K I I I L S H L G K K K E S D K A K N S L Y P V S R I I P T L Q D L L A K G G T P I M L A H F G R P G E G A L T P A D S L A P V A A S I P G I R H A L T Q G A R V M L A S H L G R P G E G A L T P A D S L A P V A A S L P T L N A L L D A G A A L V I T A H L G R P G G E P D P Q Y S I S P A A A S V P A I R T A L E A G A A V M V T T S H L G R P K E G T V G P D D T L R P V A A S I P T I Q K I L S E K G K I I L I S H F G R P K E G T V G P D D T L R P V A A G L D T I K F L V K K N C K I V L L S H L G R P K E G T V G P D D T L R P V A A G L D T I K F L V K K N C K I V L L S H L G R P K E G T V G P D D T L R P V A A G L D T I K F L V K K N C K I V L L S H L G R P K E G F K P E D S L A P V A A G L D T I K F L V K K A K V V I F S H L G R P K G E P D P Q Y S L A P V A A S V P A I Q M A L N A G A A V M V T S H L G R P K G E P D P Q Y S L A P V A A S L P T I L E K L V G A G A K V V I F S H L G R P K G E R K S E L S L A P L A K S I P T I K K L L A A S C S I V I I A H L G R P K G E R K S E L S L A P I A K S I P T I K K L L A A S C S I V I I A H L G R P K G E R K S E L S L A P I A K S I P T I K K L L A A S C S I V I I A H L G R P K G E R K S E L S L A P I A K S I P T I K K L L A A S C S I V I I A H L G R P K G E R V P E M S L A P I A K S I P T I K K L L A A S C S I V I I A H L G R P K G E R V P E M S L A P I A K S I P T I K K L L A A S C S I V I I A H L G R P K G E R V P E M S L A P I A A S L P T I K K L L A A S C S I V I I A H L G R P D G K V K P E M S L R P V L S A L P T I K K L L A A S C S I V I I A H F G R P K G G Q I V P E M S L A P I A K S I P T I K K L L A A S C S I V I I A H F G R P K G G Q I V P E M S L A P I A K S I P T I K K L L A A S C S I V I I A H F G R P K G G Q I V P E M S L A P I A K S I P T I K K L L A A S C S I V I I A H F G R P K G G Q I V P E M S L A P I A A A I P T I K H L L S V G G A K V V L L A H F G R P K G G P V S E D C S L L L P I V V S L L P T I R Y A L K Q G A G V I V T S H L G R P I E G E Y N E U

UniRef90_D4Z0L3 UniRef90_A3WCS2	90 100 110 120 R P L T A V L G R D V Q F P D C Q G E A A T D G K V M R N G D A L E N T G D V E K V L D K E L M F P E V H G P V V E Q S L G L L R N G D G L L D N T
UniRef90_B9KZ66 UniRef90_R6XFY4 UniRef90_K2ICU3	GDVEKVLDKELMFIPEVHGPVVEQSLGLLRNGDIGLLDNTATLSGLLGQPVRSVRDIVGPEAQEMARRLQPGEVGMLENLVRLGELLGKEVKFCPVTRGEQLTSMVDSLNNGDVLVVQNTDYLQGLLGVPVRLVRDYLAGVDARAGLSNGKPQDVLLLENVAYFKEVLSMDVQFIVDDCVGEVVKNALSNGKPQDVLLLENC
UniRef90_G7VA29 UniRef90_J0ZTG6 UniRef90_UPI0003C14529 UniRef90_UPI000301F82B	A Y F K E V L S M D V Q F V D D C V G E V V K N A L S N G K P Q D V L L L E N C Q A L S K I M G Q E V S F L D K C F G L E V R F T I Q A L K E G E I L L L E N L A P L A A L L E Q P V A F A D D C V G P D A Q A V V D G L E P G G V A L L E N L Q K L D E L A D V P V K V A S D V V G E D A Q A K A E A L Q D G E I L V L E N V
UniRef90_H6RQD8 UniRef90_Q8FT66 UniRef90_UPI00037B88BD	Q K L D E L A D V P V K V A S D V V G E D A Q A K A E A L Q D G E I L V L E N V A R L G E L L D A S V P L A A D V A G D D A R A K T D A L G D G D V L L L E N V E A L S D E L G Q Y V A L A A D V V G E D A H E R A N G L T E G D L L L E N V K R L S E L T S K E I T F A D D V I G E R V D K L K M L L K N G Q A L L L E N L
UniRef90_C6WYG2 UniRef90_F1W0P7 UniRef90_E0UPB7	TRUSALLOOTVILLAND WVDGGFEVAA GELVVLENG
UniRef90_UPI00037D53E3 UniRef90_D5BRS5 UniRef90_A3U3N1	RRLQQLLKRHVELAPGVVDDVTMQLARKLPRHEVLLENL HHLSELLDREVRLARNWLGGVT DCLAKLIGKQVALEADVIGAGGKVAAAGLQSGQILMMENL PVLEEKLGERVAFIETLEGGESPT EEQAGARVILLENI ARLTKLLGKEVGLVKNWQEGV
UniRef90_Q21NJ2 UniRef90_E9URS3 UniRef90_A9E6Z1 UniRef90_D7WCM1	PALEKALGRDVAFVPSLD AAAAAQGDLQLMENI
UniRef90_UPI0003653194 UniRef90_W8K1L1 UniRef90_Q0BXD8	EHLAMELGQEVKLVQDWVDGV DIAPGQVVVLENCEVLEGYLGHHVPLALACVGEVARQAVAQLSPGRVLLLENLGAFAKVLGANVSFVADCKGDHVKSALADLLPAGVILLENT
UniRef90_K6VZ67 UniRef90_K7ABR0 UniRef90_K0KTL4	A Y L S Q A L L G Q E V Q L V T E Y L D G V Q V Q A
UniRef90_UPI00035EDAA5 UniRef90_UPI00036BB825 UniRef90_F9UK61 UniRef90_W0E6S8	E A L S E R L G Q Y V A L A S D V T G E D A H E R A N G L S E G D V L L V E N V E H L A M L G Q E V K L V Q D W V D G V D I A P G Q V V V L E N C E V L E G Y L G H H V P L A L A C V G E V A R Q A V A Q L S P G R V L L L E N L G A F A K V L G A N V S F V A D C K G D H V K S A I A D L L P A G V I L L E N T A Y L S Q A L G Q E V Q L V T E Y L D G V Q V Q A G Q V V L L E N V N Y L K E K T D L N V R L S T D Y L D G V D V K D G E V V V L E N V K E L S K L L D Q E V E L L P D C I G P K V E K V I N E S S K G K I Y L L E N L S E L S E E L G Q Y V A L A A D V V G E D A H E R A N G L T E G E I L L V E N V D P L A A L L G S P V T F C E D L T G Q A A R D A V K A L N S G D V L L M E N T V E L S R L L K Q S V L F V R E T K G E N L K A A I Q K L K N G E V L L V Q N T A D L G A K L G R E V R L V R D Y L D T P P E V A E G E L D D C G V A L L E N V Q R L S E L L G K A V V F A K D T V G H A A E Q A V S E L D D C G V A L L E N V A R L S E L L G R E V P L A A D L V G D S A K A T V A G L A D G G V A L L E N V
UniRef90_UPI000289CC90 UniRef90_A1SRW7 UniRef90_UPI0003641CB6	Q R L S E L L G K A V V F A K D T V G H A A E Q A V S E L D D C G V A L L E N L D Y L N E A L D V P V R L V T D Y L N G L E V N P G E V V V L E N V A R L S E L L G R E V P L A A D L V G D S A K A T V A G L A D G G V A L L E N V E Q L Q T L L G R P V T F L E D C V G P E L E S A C A D P A P G S V F L L E N L
UniRef90_O00940 UniRef90_A4EVU0 UniRef90_A6GSN8 UniRef90_T1AU04	
UniRef90_C0XSW6 UniRef90_A1V135 UniRef90_UPI0002F8C3E6	E ÀL S E RL G Q F V A L À S D V S G E D A H E R A N G L T E G E I L L V E N V K R L A E L L G R D V P L V A N WV E N G V E V A P G Q V V L L E N C P A L A E A I G R P V Q F A T D T V G E D A A A R A G A L A D G E V L L L E N L
UniRef90_A0A058ZI08 UniRef90_S6GFL4 UniRef90_J9DUD8	P A L A K L G V P V T F S D S A G P A A E N V S R G D G E V I L C E N V D H L G K L L N R S V P L L K D W L Q T P L E L N D G E V V L L E N V K R L G E L L N R E V K F S T E L G
UniRef90_G4ELC4 UniRef90_K2BWU6 UniRef90_N9TVF8 UniRef90_A8KYR5	NELSRLLNKSVLFSPVSSGSLLEQAVNEMNYGQVLLVENT ERLAELLGIPVAFAGDGGGDIAREVVGQLAEGOVALLENL
UniRef90_X0SDJ4 UniRef90_U2HPN2 UniRef90_E6PCN0	E Y L E S L L E R P V G K L E D C V G D A V S N A V S E A K N G D V L L L E N V E A L S D E L G Q W V A L A Q D V T G E D A H E R A N G L N D G D V L L L E N V
UniRef90_B6AXW5 UniRef90_A0A010NQW4 UniRef90_E7RUQ3 UniRef90_J3TGJ5	PALLEIAFG <mark>C</mark> DVMFSAD <mark>C</mark> IGAGANAAA <mark>C</mark> ALQAGQVLVLENI ARMAELTELSVLRADDLVGPSAQEQAAALEPGQILLLENV KRIFFILIGRPVRIQANYILDGGFP
UniRef90_M5BI31 UniRef90_A0A031K6X0 UniRef90_A3V957	DYLKKNLSIPVVFFKDYLDGVDIAA GELVVLENV TELSEQLGKDVIFLNDSVGPEIEQAVNSASPGSVILLENL GAVEKTLGKEVMFVPEIAGDIVKQAVGILRAGDIAILENT GTVADVLGLTVTFVSSNYAE AVDEMEDEEVLLLENL
UniRef90_K9APP9 UniRef90_A1VNR8 UniRef90_A3SY41	GTVADVLGLTVTFVSSNYAE AVDEMEDEEVLLLENLGELAEAIGRDVAFASDTVGEDAKAKVAELGDGDVLLLENLERLSELLGRPVSLVSSWVDGVPVE PGQLVLLENCPALEDALGRKVVLAETL EAAEAGTEELNAADVLLLENI
UniRef90_A3JPH5 UniRef90_E7ABS3 UniRef90_R5G771 UniRef90_N1V7E1	PALEAAFGQSVTFCAKDYG TAIAAMASDDILLAENL KRLERLLNKEVLFAHSL AMAQKLQAEHKHPVILVENL GHLEELLGRKVEMAEDCVGDAVLKQAQQLKDGEVLLLENL VRLKELAPETVRFAEDTVGFSAKQLAQELQDGFALVLQNL
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UniRef90_V9TWD1 UniRef90_G8LRV6 UniRef90_R5SV73 UniRef90_Q164R7	SNLSKKLQIPIKFSEY <mark>C</mark> IGEIVEQRVNELKNGEILLLENI IRLGKLLHKNILFSKDTRSDELTKMASNLKEKEILLLIENT
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UniRef90_J9H1G2 UniRef90_D0JAX6 UniRef90_W8X5C3 UniRef90_P47542	RRMGELLIGCEMPIVIADW KAGVDVKPGQVVMLENC PFLSEKLKLTVDFCENCIGKNVEQKLHQLKNGKILLLENL ERLAELLGRPVRLVADWVGGV DLAPGEVVLLENC
UniRef90_E6PJJ7 UniRef90_C6XFH3 UniRef90_UPI00047C27D2	E L L Q Q L L P T K V Q F S C K N T G A E V K Q K V Q A L A F G E I L L L E N T T R L S E L L G R P V T L V Q N WV D G G F E L R P G E V V L L E N C S I A E S I L H K N I L F V N D C I G S T L S Q S I A S L S E G G I I L A E N V K R L G E L A D F P V E F A T D L T G E D A R A K A E A L P G G S V L L L E N V K R L G E L L N I E V S L P N S L T G A S Q V R A L K S G E V M M L E N I E K L A E L L E V P I K F S E D C I S E D A I D V S K N L K D G E I H L L E N L P A F A Q V I G Q P V S F Y E D C K G E G A K A A I D A L D E T G I I L L E N T A A F A D V L D A P V H F A E N C F G P K A K A F V T S R A P R D V I L M E N T P V L K K E L E G K V K P S V K D V L M G G D V N M G G E I E I L E N L N Y L K K F T N T K V S I V K D Y L M G G D V N M G G E I E I L E N L
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UniRef90 UniRef90	_A6GSN8 _T1AU04	R F N K G E K K N N P E L A Q K A A L C D I Y S R M N P G E G K D D A A L A A K Y A A L C D I F S	V N V M
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Ullikelan	_E/KUQ3	REDPRETSKODAERO SLAAELAALTGAHGAY RCNKG EKKDDEALAKKYAALCDVY	V N V N
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UniRef90 UniRef90 UniRef90	_R5SV73 _Q164R7 _A2SJK7	RY E DLNSKKESS C DMDLASY WASL GEV FI RFAVG E E ANDPEMARFLATL G DV F RANVG FKANSR FITATRMA FITATORY V	L N C N V N
UniRef90 UniRef90		RFDPRETSKDESE RAAFAAELATLVGDDGAF	V S V N
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UniRef90 UniRef90	P47542 _E6PJJ7 _C6XFH3	RYCDVNDK GEIVKLESKNDPELAKFWASLGEIF RLNKG EKKNDDALAQKMAKLCDIF REYSEFER NDPDEVRMIGSRIGDEVI	V N V <mark>H</mark> I N
UniRef90	_UPI00047C27D2 _UPI00036CCD20	RFDPRETSKNDGDRL RFESAESSKDE ALAKELASLTGNQGVY RFYNE ALAKELATYGDLY REYNE ELENNSDESSKLAKHGSIYI	V D V G
UniRef90	_UPI0003A6B48A _UPI0003B63F1E _A0A059F6N7	R F Y N E E IL E N N S D F S S K L A K H G S II Y II R Y Y K G E E K N D P E L A A E M A K L G D II F N R F E A G E E K N D P A L A E A M A A L G D L F N	I N V S V N
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UniRef90_B9KZ66 UniRef90_R6XFY4 UniRef90_K2ICU3	D A F G A A H R A H A S V V A V R L L P S A A G F L M E R E V Q A L E R V L R S
UniRef90_G7VA29 UniRef90_J0ZTG6 UniRef90_UPI0003C14529 UniRef90_UPI000301F82B	D A F S A A H R A H A T T R G T K F L P A Y A G F L L E K E V S L L S S V R D N D A F S V S H R A H A S T E G V H F L P S Y A G R S L Q R E L H A L E Q G L G D D A F S A A H R A H A S T E G V R L L P A Y P G L A M R R E L E M L D A A L G Q D A F G A V H R K H A S V Y I A Q K L P G Y L G D L V K K E V D V L K K V I S D
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UniRef90_UPI00037D53E3 UniRef90_D5BRS5 UniRef90_A3U3N1 UniRef90_Q21NJ2	DAFGTAHRAQASTVARYAPILAÇAGPLLVRELEALHQALKM DAFSCTHRAHASVEALPKMMKAAGRALGAELTALESALAN DAFSAAHRAHASTEGVHHLPSCAGRLMQAELRALEAALGE DAFGTAHRAQASTHGKFAPVACAGPLLSGELSALEKALAN
UniRef90_E9URS3 UniRef90_A9E6Z1 UniRef90_D7WCM1	D G F G V V H R K Q A S V Y V A K L L P S A Q G D L V A T E I E V L K R L T E T D A F S A A H R A H A S T E A A R L L P A C A G R L M Q A E L S A L E A A L A K D G F G V V H R A Q A S V Y V A K R L P A Y A G Y L V Q D E V D K L A A I K D N
UniRef90_UPI0003653194 UniRef90_W8K1L1 UniRef90_Q0BXD8 UniRef90_K6VZ67	DAFGTAHRAQASTHGI YAPVACAGPLLEAEL TALSVALEN DAFGTSHRKHASVYTVFPGKAAAGFLMEKELEFLGNLLIS DAFSAAHRRHVSTVLADLLPAYAGVTMEAELDALDKALGA DAFGTAHRAEASTVARFAKVAAAGPLLAGELDALGKALHN DAFGTCHREHSSI VGI NI KERASGLL LSKEI EYFEKLKSE
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UniRef90_A4EVU0 UniRef90_A6GSN8 UniRef90_T1AU04	D A F S A A H R A H S S T E A A R L L P A C A G R L M Q A E L E A L E A A L G A D A F G T A H R A E A T T H G Q Y A P V A C A G P L L A A E L D A L G A A L S A D A F G T A H R A Q A S T H G V I L K I A C A G P L L A A E L D A L G R A L Q A D A F G T A H R A Q A S T H G V I L K I A C A G P L L A A E L D A L G R A L Q A D A F G T A H R A Q A S T H G V I L K I A C A G P L L A A E L D A L G R A L Q A D A F G T A H R A Q A S T H G V I L K I A C A G P L L A A E L D A L G R A L Q A D A F G T A H R A Q A S T H G V I L K I A C A G P L L A A E L D A L G R A L Q A D A F G T A H R A Q A S T H G V I L K I A C A G P L L A A E L D A L G R A L Q A D A F G T A H R A Q A S T H G V I L K I B A V A G P L L A A E L D A L G R A L Q A D A F G T A H R A Q A S T H G V I L K I B A V A G P L L A A E L D A L G R A L Q A C A C A G P L L A A E L D A L G R A L Q A C A C A C A C A C A C A C A C A C A
UniRef90_C0XSW6 UniRef90_A1V135 UniRef90_UPI0002F8C3E6 UniRef90_A0A058ZI08	D A F G A A H R A N A S T V G I A Q F I K A M G Y L M Q K E V A M L S K L T N N D A F G T A H R A Q A S T V G H F A P Q A C A G L L I S A E L E A L R Q A L A E D G F G V V H R K Q A S V F E A K A L P S A A G I L I E T E L G V L E R L T V T D A F G T A H R A Q A S T H G I F A P V A C A G P L L A A E L E A L G K A M D N D G F G V V H R K Q A S D V A T R L P A Y A G G L V L A E V E V L R R L T T D D A F G T A H R A H S S M A G I N L P Q R A A G Y L M G K E L E Y F S R A L E N D A F S A A H R A H S S T E A A R L L P A C A G R L M Q A E L E A L E A A L E N D A F G T A H R A E A T T H G Q Y A P V A C A G P L L A A E L D A L G R A L Q H D G F G V V H R K Q A S V Y D V A A K P A Y A G Y L V E K E V E T L G S V K D N D A F G T A H R A E A T T H G I Y A P V A C A G P L L A A E L D A L G K A L Q H D G F G V V H R K Q A S V Y D V A A K P A Y A G Y L V E K E V E T L G S V K D N D A F G T A H R A E A T T H G I Y A P V A C A G P L L A A E L D A L G K A L G N D G F G V V H R K Q A S V F D L P A L P H F A G G L V A A E V E V S E R L L H D A F S C A H R A H A S T A A L P F S A A G P L L A A E L D A L G K A L E T D A F G T A H R A G A S T A A I N R F A K I A C A G P L L V A E L E A L S T A A L I R T D A F G T A H R A Q A S T A A I N Q C A G P L L V A E L E A L A A L N Q
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UniRef90_A0A010NQW4 UniRef90_E7RUQ3 UniRef90_J3TGJ5 UniRef90_M5Bl31	DAFGTAHRAEASTHGLARFAKAAGPLLAAELDALGKALHN DAFGSAHRAQASTHAKFSPIACAGPLLYRELHSLRKVLNK DAFGTAHRAHSSMVGIKLPQRAAGFLMKKELEFFAKALES
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UniRef90_K2EJK2 UniRef90_A0A024HXL8 UniRef90_V9TWD1 UniRef90_G8LRV6	DAFSVSHRLHSSITIIPKFFKCIGFLMKKEIHSLKKIFET
UniRef90_R5SV73 UniRef90_Q164R7 UniRef90_A2SJK7	DAFSVSHRLHSSITII PKFFKCIGFLMKKEI HSLKKIFET DAYGTLHRAHASNVGIKILPSAVGFLVLNELNKIDSLLEE DAFSAAHRAHASTTGVHLLPSCAGRLMQAELSALEAALST DAFGTAHRAEATTEARVAPVACAGPLMASELNALGRALAR NGFGVVHRAQASVYDVAKLPAYAGDLVQSEVEVLANLTQD DAFGAVHRKHASFDIAALLPAYAGDLVATEMRVLKTLT
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UniRef90_UPI0003B63F1E UniRef90_A0A059F6N7 UniRef90_A1BQS8	DAFSAAHRAHUSTUGADHLPAYAGKSMERELDALNAALGADAFSAAHRAHASTEGUTHFPAYAGKAMETELDALEKALGTDAFGTAHRAHASTEGUTKYFCACGELMGLEVKFLDGATSN
UniRef90_C5WCF8 UniRef90_R4I0L9 UniRef90_G7SQ16 UniRef90_F6BEF6	DAFATAHREQASTHGKFAPI VEAGEL LESELNALKKVMSN DAFGAAHRTHASTHGKFAPLSCAGLLLOSELEALSKALQN DAFGVSHRFHSSITI IPKFFKCIGFLMKKEI QSLQKI LGK DAFAAAHRAQPSLVGFYYLPMLAGRI MEKELSL LGKVLKN

UniRef90_D4Z0L3	240 P V A V V G G K V S T K L D V L K V D H L L G G G G M A N T P E A P V A A V V G G A K V S T K L A V L E N L L L G G G G M A N T T D R P V A A V V G G A K V S D K L K K C D V L L L L G G G G M A N T T D R P V A A V V G G A K V S D K L K K C D K V L L L L G G G M A N T T D R P V L L L G G G K V S D K L K K C D K V L V G G G M A N T P E R P V L L L G G G K V S D K L K K C D K V L V G G G M A N K A N
UniRef90_A3WCS2 UniRef90_B9KZ66 UniRef90_R6XFY4	P
UniRef90_K2ICU3 UniRef90_G7VA29 UniRef90_J0ZTG6	PKRPLVAI VAGSKVSTKLDVLNSLSELCDQI I VGGGLANT PEPPLALI LGGSKVTDKI GVI EHMANKASTI LVGGAMAFP PAYPLAAVVGGAKVSSKI EVI NHLVQKVNVLV I GGGMANS
UniRef90_UPI0003C14529 UniRef90_UPI000301F82B	PÜKPVLGVVGGSKVSTKLDLLKNLVGKLDALAI GGGMANT PERPFVVVMGGSKVSDKLAVIENLIGKADSLLIGGGMVFT
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UniRef90_C6WYG2 UniRef90_F1W0P7 UniRef90_E0UPB7	PARPMVAI VGGSKVSTKLTVLESLSEKVDQLVVGGGIANT PARPLLAI VAGSKVSSKLTLLKALASKVDHLLVGGGIANT
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UniRef90_A9E6Z1 UniRef90_D7WCM1 UniRef90_UPI0003653194	PERPUGAVVGGAKVSTKIALLENLVNRLDVLVIGGGMANT PTAPYIVVLGGSKVSDKLGVIEALAEKADHVIIGGGMANT
UniRef90_W8K1L1 UniRef90_Q0BXD8	PKRPFTAIL GGAKVSSKI GVI EALLSQVDNL LLAGGMGFT PERPVMAIVGGAKVSSKI DLLKNLVSKVDMLAI GGGMANT
UniRef90_K6VZ67 UniRef90_K7ABR0 UniRef90_K0KTL4	P E K P M V A I V A G S K V S T K L D V L N S L S T L C D Q L I V G G G I A N T P K R P L V A I V G G S K V S T K L T V L D A L S K I A D Q L I V G G G L S N T P A R P F L A I V G G G K I N D K I D S I D S L L D K V D T L L I G G G M S C T
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UniRef90_W0E6S8 UniRef90_UPI000289CC90	PARPMVAI VGGSKVSTKLTVLESLAEKVDQLVVGGGIANT PERPYTVVLGGSKVSDKLDVIGALLPRVDSLLVGGGMLFT
UniRef90_A1SRW7 UniRef90_UPI0003641CB6 UniRef90_O00940	P A R P L V A L V G G S K V S T K L T V L E S L S K L A D Q L V V G G G L A N T P A R P Y V V A L G G S K V S D K L A V L E S L P K V D A L L V G G G M C F T P N R P L V L M G G A K V S D K L Q L N N L D N C N E M L A G G M A F T
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UniRef90_N9TVF8 UniRef90_A8KYR5	ETKPFIAIVGGAKVKDKISYLTKLSQKADEILIGGAMAYT PARPYAVVLGGSKVSDKLGVIRALLPKVDALLVGGGMCFT
UniRef90_X0SDJ4 UniRef90_U2HPN2 UniRef90_E6PCN0	PEOD VIVVIGGS KVS DKLGVILE ALAGKAONI TILGGGMCVI
UniRef90_B6AXW5 UniRef90_A0A010NQW4 UniRef90_E7RUQ3	PKRPVVAVVGGAKVSSKLELLGNLVEKVDHLVIGGGMANT PQRPYTVVLGGSKVSDKLAVIENLMSRADTLLVGGGMVFT
UniRef90_J3TGJ5 UniRef90_M5Bl31	P A R P Y A V V L G G S K V S D K L G V I R A L L P K V D A L L V G G G M C F I P D R P Y V A V V G G K K A Q S K L G P L H D L A R Q V D E I MI G G A V A M T P E Q D Y T V V L G G S K V S D K L G V I E A L A G K A Q N I I G G G M C Y T P E R P F V C A I G G A K V R D K V A L F T H L M D R V D A F C V G G G M A N T P K R P V V A V V G G A K V S S K L E L L G N L V E K V D H L V I G G G M A N T P Q R P Y T V V L G G S K V S D K L A V I E N L M S R A D T L L V G G G M V F T P A H P M V A I V A G S K V S T K L T I L D S L A D K V D Q L I V G G G I A N T P E R P F L A I L G G S K V S D K I Q L I E N M L D K V N S L I I C G G M A N T P E R P F L A I L G G S K V S S K L D V L K H L V R Q V D H L I I G G G M A N T P A R P V V A V V G G S K V S T K L D V L K H L V R Q V D H L I V G G G M A N T
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UniRef90_UPI00029B21F8 UniRef90_M7MPU7	P A R P L A A I V G G S K V S T K L S V L K S L A D Q V E L L V V G G G M A N T P G H P Y A V V L G G S K V S D K L A V I E A L A P Q V D T L V I G G G M C F T P K R P Y V V V L G G S K V S D K L A V I D N L L G R A D H L L I G G G M A F T A R H P L V A I V G G S K V S T K L T I L S H L A E K V D R L V V G G G L N T G K K P I T V I L G G A K I S S K I E I I E N I I D F A D H I L I G G G M S Y P P R R P M V A I V A G S K V S T K L S I L Q S L A E K V D Q L I V G G G I A N
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UniRef90_UPI00047C27D2 UniRef90_UPI00036CCD20	P N R P <u>Y G</u> V V L G G A K V S D K I A V I S N L L D <u>N V</u> N L I A I G G G M L F T
UniRef90_UPI0003A6B48A UniRef90_UPI0003B63F1E UniRef90_A0A059F6N7	P S K P L T L I I G G S K I D T K I A V I E K F L D L A D N I I I G G A M A N T P E R P V V A V V G G A K V S S K I D L L K N L V A K V D Y L V I G G G M A N T P E R P V M A V V G G A K V S T K I D L L K N L V S K V D M L A I G G G M A N T P V R P F V G I L G G A K I S D K L N V V R N L V Q K V D K L I I G G G M A Y T
UniRef90_A1BQS8 UniRef90_C5WCF8 UniRef90_R4I0L9	P V R P F V G I L G G A K I S D K L N V V R N L V Q K V D K L I I G G G M A Y T P Y R P L V A I V G G S K V S T K F D V L Q S L V K I A D T V I V G G G I A N T P A R P M V A I V G G S K L S T K I T L L D S L S K I A D Q V I V G G G I A N T G K K P I T I L L G G A K I T S K I S I I K N I I H L I D N I L I G G G M A Y P
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	250 260 270	280
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UniRef90_A3U3N1	FLA AQGLDVGQSL <mark>C</mark> EHEMAGTARTI AEKAAATG <mark>C</mark>	E L L L
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UniRef90_O00940 UniRef90_A4EVU0	F K K V	Q <mark>H</mark> L P K L P
UniRef90_A6GSN8	T F M A A L G L P I G K S L A E H D L V N E A K T I I D N M K A R G A	AVPIP
UniRef90_T1AU04 UniRef90_C0XSW6	F	KLVLP
UniRef90_A1V135 UniRef90_UPI0002F8C3E6	T F MLA A GLA I G K S L A E A D L V G E A K A L I D E A R K R G A F L K A Q G Y E V G S S L L E E D Q I D T V K G Y L E K A E K A G V	SVPIP DIVLP
UniRef90_A0A058ZI08	FL FARGAPMGRSLHEANMTETVAETYALARASG <mark>C</mark>	E I L L P D I P L P
UniRef90_S6GFL4 UniRef90_J9DUD8	F	D
UniRef90_G4ELC4 UniRef90 K2BWU6	FFK AQGYEII GKSII LIEEESJI PILIAKEIL LIEK FKD FIII A AEGYMVGKSIL IYEPDIL I DEAERIL VLISAKN RGA	K L M L P E I C I P
UniRef90_N9TVF8 UniRef90_A8KYR5	FLK AKĞFELÂNSLVENDQIEFATKLMAE SKA FLAALG <mark>H</mark> PVGASLLESEMIDT <mark>C</mark> KDLLAEAG D	K F I I P R L V L P
UniRef90_X0SDJ4	FL HAMGUDVGASVVDHKVLEDVGAVRRUAAQTETI	
UniRef90_U2HPN2 UniRef90_E6PCN0	FFA AQGYNVQNSLLQEDMIDTCKQL LDRFGDFLA AKGVHVGRSLRDDDL DPAREILVRADGSKVFLA AQGLDVGKSLAEHDMTNTALELLGKAKSARC	KII <mark>C</mark> LP QII HLP
UniRef90_B6AXW5 UniRef90_A0A010NQW4	FLA AQGIDVGKSLAEHDMTNTALEILGKAKSAR <mark>C</mark> FLK_AQG <u>H</u> GIGKSL <u>V</u> EDD <u>K</u> LDT <u>V</u> KG <u>F</u> LESAERQN <mark>C</mark>	EIVLP RIVLP
UniRef90_E7RUQ3	T F MLA A GLPI GKSLAEPDLVGDAKKI I EKMKARGA	ĖVĖĮĖ
UniRef90_J3TGJ5 UniRef90_M5Bl31	F	A I PLP K V V F P
UniRef90_A0A031K6X0 UniRef90_A3V957	F	TVHLP
UniRef90_K9APP9	FLAALGHD II GSSLVEEEKIDDDVKGYLERAEAGGA	RI MLP
UniRef90_A1VNR8 UniRef90_A3SY41	FMLAAG LNIGKSLAEPGLVEEARAVIEAMKARGA FL <u>G</u> AQGADLGKSLSEPD <u>F</u> YDTAKDI <u>L</u> AQAEKAG <mark>C</mark>	RVLLP
UniRef90_A3JPH5 UniRef90_E7ABS3	F	T
UniRef90_R5G771 UniRef90_N1V7E1	FMK ANGGEII GNSI <mark>C</mark> EED KLDLALQI QEKAKANGV FLA AQGHKVASSI LEED QLD TVRGYLAKAKENG <mark>C</mark>	K L L I G
UniRef90_UPI00047BF5A2	FLA AQGHKVÁSSLLEEDQLDTVRGYLAKAKENG <mark>C</mark> FLA AQGHNVGSSLLEEDQLDTVKGYLDAAAGSN <mark>C</mark>	E F V L P
UniRef90_K2EJK2 UniRef90_A0A024HXL8	FLA AMGHAVGASLYEPELMKDALQL MKGG FLK AQGIDIGKSDYEPDLLETAKDL LAKDHHH	K V I L P K L V L A
UniRef90_V9TWD1 UniRef90_G8LRV6	FL SANGVDIGKSLAEPELINMVYEIQAKAKAAN <mark>C</mark> FIK TQGGQVGDSIVDKYKYNELEKILKNIFDKYK	DILLA
UniRef90_R5SV73	FILIA SILIGY NIVIGS SILI IDTE SILIDYĀKNI I INYKN	KIVLP
UniRef90_Q164R7 UniRef90_A2SJK7	F	K L L L P E L F M P
UniRef90_UPI00029B21F8 UniRef90_M7MPU7	F L A A Q G H R V G S S L L Q E E M I D T C K D L L A K F G F L K A Q G H E V G G S L L E V D Q L E T C R G Y L K <u>R A</u> K E L G <mark>C</mark>	DIVISL
UniRef90_J9H1G2	FLL ADGKPIGKSLAEPELVEECRKVLAVLASKGA	SLPMP
UniRef90_D0JAX6 UniRef90_W8X5C3	F K M K G G K	K L S F P]E V P I P
UniRef90_P47542 UniRef90_E6PJJ7	F L K A K G K A T A N S L V E K E L I D V A K Q I L D K D T H N F M L A C G L P I G K S L A E P D L Q G A A R L V M D K M K A R G A	KIVLA
UniRef90_C6XFH3	FL VAQGMGVGRSL CQRDFSDNVHQLAWEAKRSAC	E V T V E
UniRef90_UPI00047C27D2 UniRef90_UPI00036CCD20	F	K IL V L P K F L L P
UniRef90_UPI0003A6B48A UniRef90_UPI0003B63F1E	FLL AMDYNI GMSLAEKD <u>KI NVA</u> KNLIKEASKRGT FLA ARG <u>T</u> DVGKSL <mark>C</mark> EHDLADTA <u>K</u> EI EVNAKAAG <mark>C</mark>	NIILP FIVIP
UniRef90_A0A059F6N7	FLA ARGT DVGKSLCEH DLADT AKEI EVNAKAAGCFLA AKGVDVGKSLCEH DLADT ALTI MKNAEESGCFIR AQGKEVGMSLMQADKLRMCADLLKE YGD	E L L L
UniRef90_A1BQS8 UniRef90_C5WCF8	FIR AQGKEVGMSLMQADKLRM <mark>C</mark> ADLLKE YGD FI ALENSIGKSLYEPGFVESAKKLRDEF	KIVLP NIFIP
UniRef90_R4I0L9 UniRef90_G7SQ16	FI A BENSIGKSLYEPGFVESAKKLRDEF FIA AKGHNIGQSLYEPSFIKKAQEL FIKVQGGKIGNSLLEKYNELEKILKIDLYQKQNQT	DI PVP NI HFP
UniRef90_F6BEF6	FLIAKGYKLGVNEKLIEDMKDQLGLAKELLDKYED	KII T P

UniRef90_D4Z0L3	290 Y D V V V A K E F A A N P P S L R T C N V H E V A E D E M L D V G P A A V E A
UniRef90_A3WCS2 UniRef90_B9KZ66 UniRef90_R6XFY4 UniRef90_K2ICU3	Y D V V V A Q E F A A N P A S L R T C N V H E V S S D E MI L D I G P Q A T E A R D V V V A P T M S A V S Q R R I V P V T A I P P D Q A V Y D I G P E T V R A V D I I V S D D F D N A N L I Q T I D G L D V P D G F M G M D I G P K T R V L S D V A V A K A F S E D A E A I I K A A E D V S D D D M L D I G P D S A Q A V D I V V G E S I N S Q Q A S G V V K V D N V P D N M M G L D I G P Q T V K E
UniRef90_G7VA29 UniRef90_J0ZTG6 UniRef90_UPI0003C14529 UniRef90_UPI000301F82B	MDV V VGLRCKKNT PHRQC DILEDII SEDEMII LDII GPHSII AR VDL V VA DDLK PGVA TQVRG LDA VGA GEKIFDA GPRSVER VDV VVA A A EDKDA ON EVRPVEDILIGDS GLGUDI GPESAKII
UniRef90_H6RQD8 UniRef90_Q8FT66 UniRef90_UPI00037B88BD	LDHIIAAKLEPRSRSLTIED FPIPKDFMAVDIGPKSVEK
UniRef90_C6WYG2 UniRef90_F1W0P7 UniRef90_E0UPB7 UniRef90_UPl00037D53E3	VDVVAAQKESEDSVŠKĮVTAQE I PHEWMGLDI GPATVRL
UniRef90_D5BRS5 UniRef90_A3U3N1 UniRef90_Q21NJ2 UniRef90_E9URS3	D D A L V A G E F K A G A W H R II A T II D T I E D D D M II L D A G P K S II E S R D W V V A R E F K E G A E S Q V V K A E D C P A D A M I L D A G P D S V A H D V R V T K F G F S D W N H T F IV K W P A D II Q A D F F II L D Y G P F T A Q K
UniRef90_A9E6Z1 UniRef90_D7WCM1 UniRef90_UPI0003653194	T D I V V A D S F G D E A S A R V V A A N A I P A E S L G L D I G P E S A Q T V D G L V A R E F A K G A A H E V V Q P D A K L A D D Q M V L D A G P D T V A L V D L V A A S E F D N D A E R K T V D L D G I P E G W L S L D I G P E T A K K E D V V V G K E F S A D T P A T T K A A N E V A E D D M I F D I G P K T A A T S D V K I A K T C S P G V A W K E V S L D R G I P D G F Q G L D L G T K T I Q E
UniRef90_W8K1L1 UniRef90_Q0BXD8 UniRef90_K6VZ67 UniRef90_K7ABR0	K D V V V A K E F K A N A E N R T C G L N E G A D E M V L D A G A A T T Y T D V V V A N A S E N K A Q A V V K K V S E V S E N D M L D V G P E T A Q A V D V R V G K H F N E S E P A V K D V S E V Q D D E E M D Y G P Q T A E N
UniRef90_K0KTL4 UniRef90_UPI00035EDAA5 UniRef90_UPI00036BB825 UniRef90_F9UK61	V D L L A A S E F D S S N A E T R V V G L D G I P E G W L S T D I G P E T V K K V D V V V A K E F K A Y A A S R V C A P Q D V A S D E M I L D A G P E T V N A I D Y K V S K E F A N T E P L I N Y V D I Q D G Y N G M D I G P K T I E K
UniRef90_W0E6S8 UniRef90_UPl000289CC90 UniRef90_A1SRW7 UniRef90_UPl0003641CB6	T DIV NO GK R F D E Q E R A VI K A A A E VI E D D MI F DI G P D S A H A T DI NVA A S F A P D A A H Q I T T A H T E F G P A G I G L D I G P E T A A R T DIVA CA K A F D E N A F A VI K NVA D VO D D D MI F DI G P D S T A V
UniRef90_O00940 UniRef90_A4EVU0 UniRef90_A6GSN8	TDFVCGDKFETGCNVQTYS GNIPEGFMGLDIGPELQEA SDIVVAKKFEAHTEHEVISTENC PEDGMI IDAGPASVEQ
UniRef90_T1AU04 UniRef90_C0XSW6 UniRef90_A1V135 UniRef90_UPl0002F8C3E6	S D V V V G K E F S P T A Y A T S K K V A D V A A D D MI F D I G P N T A E E V D V V V A P R F A A D A P A T V K P V A R V G A E D M L D I G P E T A A H V D L A I A P E F D K N A E K K V V G L D D I D E G W M S L D I G P E T A Q N T D V V V A K E F S P T A A A T V K K V A D I E A D D M I L D I G P D T A K A T D I V M A E K F G A D A Q H W V A P V D A L E D A D A L G L D I G P E S A A H
UniRef90_A0A058ZI08 UniRef90_S6GFL4 UniRef90_J9DUD8 UniRef90_G4ELC4	T DV V V A K E F R E G A R K K I V P W D K C P D D S MI L D A G I V A L R N T DV V V A T E F S E T T I A T V K A V A D V A E N D M L D I G P E S A Q A S D I V V A K E F S E N S H P S V V S A D Q I P M D Q M G L D V G P D S A R A V D V N C A K E Y E D V K P T R F A F N E I P S D Y E G I D I G K K T K K
UniRef90_K2BWU6 UniRef90_N9TVF8 UniRef90_A8KYR5 UniRef90_X0SDJ4	T DIVI VIGERILS E E S E S S VIRL V S Q V D D N E K II Y D V G P D T L K R V D N A M V N S F D D N M A S I S K D E N V E K G K M G I D I G P K T L D L T D V V V A D R F A A D A E T A V V A A D A I L P D G W L G L D I G P A S T A A
UniRef90_U2HPN2 UniRef90_E6PCN0 UniRef90_B6AXW5	VIDIL LIA A DEFSADANTKII VI ELIA AII PEGWLISPDII GPKSVQK SDAVVAPSFDADDRSHVVAI DDVI GDEMI LDI GPLTAKA SDIVVAREFKAGADSETL PVNAC PSDAMI LDAGPKTVAR
UniRef90_A0A010NQW4 UniRef90_E7RUQ3 UniRef90_J3TGJ5 UniRef90_M5BI31	T D I V MASAFAADAE VEVLPVDGPAGAEALGLDI GPDTAKA E D V V V A K T F A A D A P A T V K A A K D V A E D D MI L D I GPKTAAK T D V W V A N E F S E N A S S T L K S I S E I Q D N D Y I L D L G N N S I T Q V D Y I T A D K F D K D A Q T G T A T D D E G I P D E W M G L D A G E K S R G L Y D V V V S K E F A A N P P S L R I C N V H E V A A D E M I L D A G P N A A E T
UniRef90_A0A031K6X0 UniRef90_A3V957 UniRef90_K9APP9 UniRef90_A1VNR8	T DI V MA A S F A P E A E H WVR P I D R L V D D S G L G L D I G P D T A A A T D V V C A K S F A A D A V A T V K Q A G D V E D D D L L L D I G P D T A A R
UniRef90_A3SY41 UniRef90_A3JPH5 UniRef90_E7ABS3 UniRef90_R5G771	V D G L V A R E F A A H A A H E V A A A D T V L A A D Q M V L D A G P K T V E L L D I V V A R E F K A G A E N Q T L A T D A C P D D A M I L D A G P A T V A A V D V V S T T H L E H T D Q V Q I T P A Q D I P L N H M A V D I G P A T S K L S D S V V A D A F S N D A N T K V V P S D Q I P A G W E G L D I G P K T Q E L
UniRef90_N1V7E1 UniRef90_UPl00047BF5A2 UniRef90_K2EJK2 UniRef90_A0A024HXL8	T DI V V A E K F A A D A A H E V V P A H DI F G D A G I G L D I G P D S A E A T D I E V A S G F A A D A E H A T V A A Q S D F G S S G I G L D I G P A S A E A V D V I V A E G L G N P K N H Q K R S L S S I G E R E K I F D I G P E T I Y H I D Q M I A P T F A D P G K I R N V D E S L G E F S D Y L S L D I G P K T I E L I D A I I A D A L V P D I K T K T V D I L K I P S N K M I L D I G P K T V D V
UniRef90_V9TWD1 UniRef90_G8LRV6 UniRef90_R5SV73	VDAI VATEUSPEA HATNKNUDSI LDNEUALDUGRETI KU
UniRef90_Q164R7 UniRef90_A2SJK7 UniRef90_UPI00029B21F8 UniRef90_M7MPU7	I DV VIT A T E F S E D A II P A II K A IL S E V G P D D L I L D F G P R S M Q A P IL DV V A A D A F A A D A A H T T V D A D A I P E G K II G L D II G P E S V R A T D V V V A S K F G A D A E H E V R T A S D II F G A T G L G L D II G P D S G E K
UniRef90_J9H1G2 UniRef90_D0JAX6 UniRef90_W8X5C3 UniRef90_P47542	VDVVVAKAFSADAEHRVA DVNDVKDDEMILDVGPKTAAM KDVIIADSFKNTANTKI SSIHSIPDRWMGLDIGPSSIKY VDVVAPAFAADAPATVKDAADVGPDDLLLDIGPRTAAA LDOVMGSFFKDOTGUTUDVSDKUQFOYYMSUDVGSKTJAU
UniRef90_E6PJJ7 UniRef90_C6XFH3 UniRef90_UPI00047C27D2 UniRef90_UPI00036CCD20	E D V V V A K Q F S A T A E A T V K D V K D V A A D D L I L D I G P K T A A K R D V V V A R E M K T G P T Q V V S A Q S V P L D S I I L D V G F K T V E Y T D I V V A D K F A A D A D A E T E I A S G T F G E A A L G L D I G P E T A Q Q T D I V V A P E F A A S A K P S T V S I D A I P A N Q M G L D I G P I S A A N V D L T G E L D S F G S G N I T Y A D A K D I P E N M L C E D I G E K S I K L
UniRef90_UPI0003A6B48A UniRef90_UPI0003B63F1E UniRef90_A0A059F6N7	VDLTGELD SFGSGNITYADAKDI PENMICEDIGEKSIKU VDLVCAKEFAANAPNRLC SLPEVEADEMI LDAGPATVTR RDVVVAKEFKANAENRACRPDE VAADEMI LDAGMMTVMH IDAMCCEDFKGRKCSEPVPSMDDI PSNMECVDIGPKTMEL LDSRVGKEFSETAQATIKKV SDLEEDDEI MDFGDET QL
UniRef90_A1BQS8 UniRef90_C5WCF8 UniRef90_R4I0L9 UniRef90_G7SQ16	K DIV V I A D S F N N K A N T K I V I V I V S I I P N G W K G L D I G P Q S I K Y
UniRef90_F6BEF6	A A L N L D G E R K E L D L D M D I E V E Y P I H D I G E K T L E L

Ha:Daf00 D470L0	330 340 350 360
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UniRef90_R6XFY4	FHDEI QKANTI FWNGPAGVFEKEEYQAGTISVCKAI AEND
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UniRef90_G7VA29	F S K HILL G K A K S II I WN G P IL GIL IF E N P A F S R G T ME II I G K IL VIS E K A
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UniRef90_H6RQD8	FGSTL GDART V F WN G P M G V F E L A P F Q A G T R G V A Q A V A
UniRef90_Q8FT66	FADVLIGASKTII FWNGPMGVIFEFEAFSDGTRGIVIAQAII LIDTA
UniRef90_UPI00037B88BD UniRef90_C6WYG2	A D V L K T C R T L V W N G P L G A F E T E P F D T A T V A A R H A A A L T Q Y S A V I A G A R L L V W N G P M G V Y E V P E F R E G T K G I A E A V A F H D E I Q K A N T I F W N G P A G V F E K E E Y Q A G T I S V C K A I A A E N D L A A L L S S A K T I L W N G P V G V F E F D Q F G K G T E V L A K A I A A S D F S K H L G K A K S I I W N G P L G V F E V P P F D Q G T I T V A R H V A K R T L L Q V M D Q S K T L I W N G P L G V F E V P P F D A A T M A A A R H A A S L A F A D K I K S A K T V F W N G P M G V F E L A P F Q A G T R G V A Q A I L D T A Y S K I I S E A K T I F W N G P M G V F E I D K F S K G T N K I A R A I A Y S K I I S E A K T I F W N G P M G V F E F E D Q F G E G T K T I A D A I A N T K L A G Q I A Q A G T V V W N G P V G V F E F E Q F G H G T K T L A L A I A D A Q Y A S M I R S A G T I V W N G P M G V F E F E P F S E G T R K L A S A V A R S R A I A F L A T C N T V V W N G P M G A F E I P P F D A A T N A A A A R A A E L T
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LIn:Daf00_034N I3	
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UniRef90_A9E6Z1	LIKAAFAGLIRTIL IWNG PMGAFEIL PPFDTATUAAARAAKT
UniRef90_D7WCM1 UniRef90_UPI0003653194	TA GI I N N A GT I V WN G P W G V F E F D A F A G G T F A I S K A L A E S D
UniRef90_W8K1L1	FCRVIDASASVEWNGPVGVYEVPPFDQGSMAIIANCLARH
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UniRef90_UPI000289CC90	FAEVI GASKTVĖWNGPMGVIFEFPEFAAGTKAI AQAL VIDTD
UniRef90_A1SRW7	LA ALLKDAKTI LWNGPVGVFEFKNFEAGTAGI AKALĀESD
UniRef90_UPI0003641CB6	YAALDGAKTIVWNGPMGVFELDAFAAEGTRAVAQAL TIKAAAFAGLRTLIWNGPMGVFEQAAFAAEGTRAVAQAL TYAEIIADSKTVFWNGPMGVFEKPNFADGTRAVAQAMIDTA LAGILNNAGTIVWNGPMGVFEKPNFADGTRAVAQAMIDTA LAGILNNAGTIVWNGPWGVFEKPNFADGTRAVAQAMIDTA LAGILNNAGTIVWNGPWGVFEFDAFAGGTEAISKAIAESD FCRVIDASASVFWNGPWGVFEFDAFAAGGTEAISKAIAESD FAEILKNSKTILWNGPWGVFEVDQFGEGTKTLSQAIAKSA VAAILKGAKTIVWNGPWGVFEVDQFGEGTKTLSQAIAKSA VAAILKGAKTIVWNGPWGVFEFDNFAKGTEVVARAIAASD YDSKLSKAQTIIWNGPWGVFEFDNFAKGTKTIVDSVIKYA FAGILAESKTVFWNGPMGVFEEDAFACGTKTIVDSVIKYA FAGILAESKTVFWNGPMGVFEEDAFAAGTKAIAAQALIDAT FARAMKKAKTIVWNGPMGVFEEDAFAAGTKAIAAAAIX LAESKTVFWNGPMGVFEEDAFAAGTKAIAAAAIX LAESKTVFWNGPMGVFEEFAAGTAAGIAAAIX LAESKTVFWNGPMGVFEEFAAGTAAGIAAAIX LAAILKAAAAIX LAESKTVFWNGPMGVFEEFAAGTAAGIAAAIX LAAILKAAAAIX LAAILAAAP FARAMKKAAKTIVWNGPMGVFEEFAAGTAAGIAAAIX LAAILAAAP LAAILWNGPWGVFEEFAAGTAAGIAAAIX LAAILAAA LAAILAAAA LAAILAAAAIX LAAILAAAAAIX LAAILAAAAIX LAAILAAAAIX LAAILAAAAIX LAAILAAAA
UniRef90_O00940 UniRef90_A4EVU0	I I SI F F F S K T I I WN G P I G A F F I F P F D A A T N A A A I K A A A I T
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UniRef90_J9DUD8 UniRef90_G4ELC4	FADEIIKK <mark>C</mark> KIVIEWNGPMGVIEFANFSNGIK <u>V</u> VAQALIIE <u>V</u> K
UniRef90_G4EEC4 UniRef90 K2BWU6	TISI I KKAKTI I WNGPVGAFFIFOFSKGTOFI AKAI AF
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UniRef90_A8KYR5	FARVVAGAATI FWNGPMGVFEFAPFAEGTRGVAEAVASGG
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UniRef90_K2EJK2 UniRef90_A0A024HXL8	FKTYI OKAOTI EWNGPI GIVEFFFNFAKATNEI IAOFII ANTT
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UniRef90_G7SQ16 UniRef90_F6BEF6	FUDITIRKSKIII LIWNGPLIGVIFEFSNFSFGTKSII AKAII VINST
OHINGIBU_FUDEF0	IN E II IN DANTII VIANGFAGIVIFE IN NIFENGIAE II <u>L</u> IN SII IA

UniRef90 D4Z0L3	370 380 390 400 K E G G T S V A G G G D T V A A L N H A G V A G D F S F V S T A G G A F L E W M
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UniRef90_C6WYG2 UniRef90_F1W0P7	A F S II IA (3 (3 (3 D T II IA A II IA K Y D II IA D R II II) Y II IS T (3 (3 A F II IF F II I
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UniRef90_E9URS3 UniRef90_A9E6Z1	TVDGLSVVGGGDSAAAIRQLGFADDFGHISTGGGASLEYL
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UniRef90_UPI00029B21F8 UniRef90_M7MPU7	KNGAFSVVGGGDSAAAVRTLGLEENFSHISTGGGASLEYL AFSVVGGGDSAAAVRTLGFHDDFGHISTGGGASLEYL
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UniRef90_W8X5C3 UniRef90_P47542 UniRef90_E6PJJ7	G F S I A G G G D T L A A I A K F G I A D R V G Y I S T G G G A F L E F L N K T A F S V I G G G D S A A A V K Q M Q L S D Q F S F I S T G G G A S L A L I G F S I A G G G D T L A A I A K Y G I T D K L G Y I S T G G G A F L E V L
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UniRef90_ATBQ36 UniRef90_C5WCF8 UniRef90_R4I0L9	K E G L I A V A G G G D T V A A L N H A G V A E D F I F V S T A G G A F L E WM K E G A I T I V G G G A S A V L K S G V A E V F I F V S T G G G A S L E L L A F S V A G G G D T I A A I E K F G V E D K I S Y I S T G G G A F L N F I S T A F S I A G G G D T L A V I D L L G I T N K I S Y I S T G G G A F L K F V E K G A F S L V G G G D S I A A L R M E N Y E N K I S Y L S T G G G A M L E C L N S N A F S V I G G G H L S A A A E L I G V A D K I G H I S T G G G A C L E F L
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UniRef90_UPI00047C27D2	F G K F II IP G IV IT II I IN
UniRef90_UPI00036CCD20 UniRef90_UPI0003A6B48A	E G K E L P G L V A L S S G K T L P A L E M L K K
UniRef90_UPI0003B63F1E	F G K A I I P G I V I F A I I K K
UniRef90_A0A059F6N7 UniRef90_A1BQS8	E G K P L P G V E A L K E G K K L P G V E A L T D
UniRef90_C5WCF8	E G K T L P A V L M L E E R
UniRef90_R4I0L9 UniRef90_G7SQ16	E G K K L P A V I M L E K K Q T [L P G I K A I] E
UniRef90_F6BEF6	A G E E L P V I T ML E K

UniRef90_N6XPJ0	1 10 20 30 40 MNFLRLS DLDLAGKRVFI RADLNVPFNDGSLADDTRI R
UniRef90_U3Q7I5 UniRef90_UPI000225C065	IKEIKTI DNENEENQTALI RVDENVPVNKEYI TDDTRI Q MSSELTL DHVNVTRQNVVVRL DLNI PVKNQHI SDETRI V
UniRef90_V7EI11 UniRef90_M1E8M0	
UniRef90_Q493F0 UniRef90_O00869	NKKLLIDEPLEGKRVEVRÄDLNDPADEGNLTGDMRIR MTMIKITDLDLTGKRVLIRSDLNVPVKNGVITSNRKIH VDENVPIKEGKVKNTTRIQ
UniRef90_T0DDF2 UniRef90_A0QHY4	STEESQIKDKKVLVRFDFNVPLDKETITDTTRID MAVHNLKDLGVSGRGVLVRSDLNVPLDQGRITDPGRIT
UniRef90_UPI00037C2963	MSWKTLCOMDLYGKRVLTRVDLNVPMVDGKIADTTRIE MNKQTIYDLKPEGKTVYIRVDYNVPHDKGHITDDRRIV
UniRef90_R6AQD0 UniRef90_U3U5J1	KMT DLNLS G K R V L L R A DLN V P L Q N G K I T S D A R I C
UniRef90_C7DEK3 UniRef90_UPI00037B11E4	K SI A DEDL S G K RV L VR S DIL NVPL D G S RI T D D G RI R
UniRef90_R4PM77 UniRef90_B8ZUP2	KKTMADVPLTNKNI LLRADYNVPLDDGQI ADDFRI R IPNLKDLLEEGVSGR <mark>C</mark> VLVR <mark>C</mark> DLNVPLDDGAI TDLGRVT LDNLELTGKTLLVRVDFN <mark>C</mark> PLAEGQVADSTRI D
UniRef90_G5ZWS5 UniRef90_UPI0002558C97	L D N L E L T G K T L L V R V D F N C P L A E G Q V A D S T R I D K T L D D M D V D G K R V L T R V D L N V P V E D G R V T D A T R I E
UniRef90_B4E1H9 UniRef90_J3Z442	
UniRef90_077084 UniRef90_J0K5N1	K MMDL NLS G Q R V F I R S D L N V P V K D A K V T S D A R I R S I E R K L S L D D I N C R G K R V F V R V D Y N V P M D N G M I V D S N R I K M N L R F S D L C A Q G K R V F I R A D L N V P Q D D G A I T E D T R I R M Q F A R L N D I D V S G K T V L I R E D L N V P L K D G K I A N D A R L K S L D D L G V R G R T V L V R S D L N V P L D S S R V T D D G R L R M N F L R M S E L S L T D K V V L I R E D L N V P I K A G K V A S D A R L Q D E T N L N Q K K V L L R L D L N V P L D N G K I T D T T R I D T L D L N V P L D N G K I T D T T R I D T R I R M P E I L R L T D L K L A G K R V F I R A D L N V P R D T G R I T D D T R I R
UniRef90_C8PZF6 UniRef90_UPI000478F0EF	MQFARLNDI DİVİS GKT VLİ REDL NIV PLKD GKI ANDARLK SLDDL GVR GRT VL VR SDL NIV PLDS SRVT DD GRL R
UniRef90_Q1QCY9 UniRef90_Q4FN33	MNFLRMSELSĽTDKVÝL Í REDLNÝPIKAGKÝÁ SDÁRLQ DETNLNQKKVLLRLDLNVPLDNGKUTDTTRUD
UniRef90_A8A956	T L D D L D V S N K K V L L R V D F N S P V K D E E L L D D S R I R M P E I L R L T D L K L A G K R V F I R A D L N V P R D T G R I T D D T R I R
UniRef90_UPI0003453282 UniRef90_UPI0003630EE7	
UniRef90_R6FTZ1 UniRef90_E9B1B3	ALTPKLSVSDLDFKNRTVFLRVDFNVPFDRGNIRDDSRIC TSLKTLSALALRGKRVFIRSDLNVPLQDGRITEDTRVR
UniRef90_M5J2U4 UniRef90_Q7VRG3_	K M S D IV ID IL IF N K R II L I IR A D IL IN IV IP II IR N G II I IT S A R R II IH
UniRef90_UPI00035F45C9 UniRef90_UPI0003FCE5C6	FILIT M D D F D F K G K T IV V L IRIVIDII IN S PII IDIVIGII I L ID D T R II IR
UniRef90_W9DWJ6 UniRef90_A0A022GW09	INEKNLINKKI LIRLDINVPINRGKI TOTTRI D
UniRef90_C9RFQ1 UniRef90_G2LPU1	FLTLDDFNFEDKRVVLRVDIN <mark>C</mark> PIDPNTILDDKRIR MTIKKMTQIDMKNQRVLIRSDLNVPIENGIIQSEARIL
UniRef90_X7ZU65 UniRef90_K0P1U7	FLTLDDFNFEDKRVVLRVDINCPIDPNTILDDKRIR MTIKKMTQIDMKNQRVLIRSDLNVPIENGLIQSEARIL LVRSDLNVPLNNGAIADTGRIS MQCISFKNKKVLIRVDFNVPLRQGIITDERRIR NMKKIQDFSCSGKTVLLRADLNVPMDNGVVLDDTRIV
UniRef90_Q3YT76	NMKKIQDFSCSGKTVLLRADLNVPMDNGVVLDDTRIV
UniRef90_F8AKF8 UniRef90_J9YWA4	LTIDDFDFSGKTVALRVDINSPINNGLILDDTRIKKKIEDFDLYQKKVLVRLDLNVPLKNNQITDTTRID
UniRef90_Q5FF23 UniRef90_K1WWR4	TFANMKKI QDFS <mark>C</mark> RGKTI L LRVDLNVPVDDNKVLDDTRI V KFI DELDI RGKKV L ERFDENVPL DSQNI TDDTRI R
UniRef90_R6M0R9 UniRef90_P62423	K K T K N Y R L E G R K V I R <mark>C</mark> D F N V P L N K N K T D Y T R K F T D D F F F G K T V A R V D N S P N T G D D D T R K
UniRef90_O27121 UniRef90_R4Z7P6	IL IE DIL IPIVIE G R SIV L VIR C D F NIVIPIL IR D G E II IA D D H R II IR
UniRef90_D5VR86 UniRef90_UPI00016C5282	FLTMDNFDFNNKSVVVRVDIN <mark>C</mark> PLDPGEI LDDKRI R MAKKTLDDLDLKGKKVLVRVDFNVPLDKGAVKNDRRI R
UniRef90_UPI00014C1D29 UniRef90_S9WDA7	
UniRef90_G7WNS6 UniRef90_UPI0001D55905	MKDYLTLDDFPIKNQRI LVRVDLNAPMDNGKI LDDKRFR SLSKKLTLDKLDVRGKRV <u>IM</u> RVD <u>F</u> NVPMKKNQI TNNQRLK
UniRef90_O58965 UniRef90_D1ATA9	LEDFNFHNKTVFLRVDLNSPMKDGKI ISDARFK MESLRTLQNSSVRG <mark>C</mark> RVLLRVDFNVPVEHGQVRDRTRLE
UniRef90_X0PIX1	MFKFYTMDDFDYSGSRVLVRVDFNSPVHTGRILDDTRMR
UniRef90_P20971 UniRef90_B6YWL5	I T D F T V H G K T V F I R A D I N S P V K D G R I I S D A R F R
UniRef90_K1YLL7 UniRef90_A2SSW4	I R DI DER GKKV L L REDEN R P T E L TI L GK I R I S MN F G T L A DI E T R GKT V L V R V D F N S P I D P N T I L D D K R F R
UniRef90_J9N906 UniRef90_R5MAC7	SESNKESET DVDVKGKR <u>VLT</u> RVDFNVPEDDKNETNNQREV
UniRef90_J4WPV8 UniRef90_R9T8F7	LSSLDIANKNLVIRVDMNVPLKDSEVLDATRIK MKQFNTLDDF <mark>H</mark> FEDKTVLLRVDIN <mark>C</mark> PLDKEKLTDDNRIR
UniRef90_A0A024AH07 UniRef90_D2X5Y9	S L S S K L A L T D V D L K D K K V L V R V D F N V P M D G D R L T N N Q R L V
UniRef90_P59461 UniRef90_W0I7A8	M S [
UniRef90_UPI000367688B UniRef90_J0SBB5	TIT DIDI S G K T V L I R V D F N S PI D P G F L L D D K R F R
UniRef90_003BB3 UniRef90_Q465L1 UniRef90_S4R2M7	K D Y L T M S D V V L D N K R V L V R V D F N S P M D N G N I L D D K K T K S L S N K L T L D K L D V K G K R V V M R V D F N V P M K N N Q I T N N Q R I K
UniRef90_UPI00038026DC	K N L N N F N A I R R N V L L R V D L N V P V Q D G V I L D K T R I F
UniRef90_E1NTI1 UniRef90_R4UNN4	M A K L I V S D L D L E G K K V L V R V D F N V P I K N G V I S D D N R I V N K L A I D S L N L A G Q R I L M R V D F N V P L K E G V I T N N Q R I V T V K E F L T I D D F D L D G K T V L M R V D L N S P M D P G N I L D D L R L K
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UniRef90_W9DSN4 UniRef90_R6B9L9	NFLTI DDF DI RGKTI L LRV DMN S PMDQGHI L DDMRI K YLTI DDF DVDGKTI L VRV DLN T PMD T GNI L DDMRI R QSI KGI DVT GKRV I VRV DYNVPIT DGKI DDDT KLL
UniRef90_E4NTU3 UniRef90_M0F938	MSTFKTLDDLE ADQRVLVRLDLNSPVEDGEVQDNRRFE MTDFDTIDDLP TDKRVLVRLDLNSPVEDGEPQDNRRFE
UniRef90_C5F0E2 UniRef90_R5W8L2	M Q NIVIK SIVIR EII IDII IK D K RIV L I IRIVID F NIVIP M D S E NII IS D D I RII IR
UniRef90_E7QQ16 UniRef90_UPI0003779B5C	KMKVQEMNVDNKRI VLR <mark>C</mark> DFNVPIKNGVI LDDTKI V IQTLDDLAVQGTTLGVRIDINSPLTDGELADDARLL
UniRef90_X1GWU0	MAKKSWCDIDIE CKDWI VD ADINWDDD DOADIT DOT DID
UniRef90_UPI000234E591 UniRef90_H8IAP1	MAKKSVGDLDLEGKRVLVRADLNVPLDDQNITDDTRIR YCTMDDFELDGKTVLLRAEFNSPIGPGKILDDKRIR
UniRef90_J4KT25	SUNSUELENKNI VLRVDUNVPI QDGKI LDRTRI D

Implement		
Interest	UniRef90_N6XPJ0 UniRef90_U3Q7I5	V S I D T I O K I I S E K C K I V I I S H E C D D K G I D I K T H S I K E I V
Interest	UniRef90_UPI000225C065 UniRef90_V7EI11	R S L T T I K E L L D K E A K V I I L S H F G R P K G Q A S A A L L S L A P V A K I V P T V E D I I A R G G K V V L L A H F D R P K G K V V P E M S L R H V V I
A	UniRef90_M1E8M0	AVLPTI GYLVNARAKVI LASHFGRPKN REKEFSLRGVK
A	UniRef90_000869	GAI PTLKKI LEQNPKNVTLMSHMGRPDGKRVEKDSLKI V V
Junkerson Junk	UniRef90_T0DDF2 UniRef90_A0QHY4	A SIVIPTII IS AII VIE A GA KIV V VIA A HILIGREK KIGE DE PALISII A PIVIA
### A SECRET OF THE PROPERTY O	UniRef90_UPI00037C2963	KILVIPTIVINEILITKKGGTPILLIAHM GRPKGKRHONILISILISOILIO
### A SECRET OF THE PROPERTY O	UniRef90_U3U5J1	A SL P T I K I L I QQG A K V M L T S H L G R P L E G T H D E Q F S L L P I V
A	UniRef90_C7DEK3 UniRef90_UPI00037B11E4	A SL PVI R QL A D A G A R V V V C A H L G R P K G Q V V P E M S L K P L V
A	UniRef90_R4PM77 UniRef90_R87UP2	S S L A T V Q A L L T D G C T V T I I S H L G R P D G K K D L Q Y T L Q P V A A S V P T L K A I L F A G A K I V V A A H I G R P K N G P D P K I S I F P V A
JAMERSO D. 545-1149 JAMERSO D. 545-140 JAMERSO D. 545-140 JAMERSO D. 570-564 JAMERSO D. 5	UniRef90_G5ZWS5	RIV LIP GILIK KILIT DAGARIL VI ILLIS HILIGRPK GQRILIP QF SILIQPIVIC
Junkergo	UniRef90_B4E1H9	
JAMERSO DEPOCOATAPOET A S L P TIL K M ALL EX GR S A N I V V OR S H L G R P M G S N V V S ELLS L K P L G A N M M V T S H L G R P M G N M M S EL P T M K M ALL EX G R S N V V M S H L G R P M G N M M S EL P T M K M ALL EX G R S N V V M S H L G R P M G N M M S EL P T M K M ALL EX G R S N V V M S H L G R P M G N M M S EL P T M K M ALL EX G R S N V M M S EL P T M K M ALL EX G R S N V M M S M M M M M M M M M M M M M M M M	UniRef90_J3Z442 UniRef90 O77084	A S T
IRRINGE DEFTZ	UniRef90_J0K5N1	A S I PC I QLALDAGAAV MV T S H L G R P T E G E F K P E D T L A P V A
IRRINGE DEFTZ	UniRef90_UPI000478F0EF	A S L P V L R K L T G A G A S V I V M A H L G R P K G T P D E R Y S L K P A V
IRRINGE DEFTZ		KILPTINFLLKNEAKI I I LSHV GRPKGKVVSELSLKPLC
IRRINGE DEFTZ	UniRef90_A8A956 UniRef90_UPI0003453282	A H V P T I K E L L E K G A A V V V I S H Q G R P G E D D F I T L E P H A A S I P A I T T A I A A G A A V M V T S H I G R P I F G Q I K P F D S I T A V A
JAIRGEGO ESBEIS3 JAIRGEGO MASULVA JAIRGEGO AND MASU	UniRef90_UPI0003630EE7	KVVAILINTLIFQNAKLVIISHL GRPKGKLDPELSLEPLI
Jinkeréo Cás 7776 Jinkeréo Cás 7776 Jinkeréo Cás 7776 Jinkeréo Cás 7776 Jinkeréo Cás 84KFB Jinkeréo Jás 84KFB Jinkeréo Jás 84KFB Jinkeréo Jás 8777 Jinkeréo	UniRef90_E9B1B3	A AVPTIRKIME D G G R L V I G S H L G R P K K P N A N Q S L K R I L
Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1777 Jinkeriso Cay	UniRef90_M5J2U4 UniRef90_Q7VRG3	A S P T
Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1777 Jinkeriso Cay	UniRef90_UPI00035F45C9	A CYDTVKELSDKGAKVVI LAHQSRPGK KDFTTLESHA
Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1777 Jinkeriso Cay	UniRef90_W9DWJ6	KÜLPTLNFLIKEKAKI IILSHV GRPKGKTDÜELSLEPIR
Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1777 Jinkeriso Cay	UniRef90_A0A022GW09 UniRef90_C9RFQ1	ELKNTITELINRGAKVVILAHQSRPGK KDFTTLKNHA
Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1776 Jinkeriso Cay 1777 Jinkeriso Cay	UniRef90_G2LPU1 UniRef90_X7ZU65	A A L P A
Jinkel90	UniRef90_K0P1U7	S S L P T I Q K V I K D G G L A I L L T H F G R P K N G Y D V R Y S L S K L L
Jinkefo CSFF23 Jinkefo Roknor9	UniRef90_F8AKF8	ACVDTI NELSKKGAKIAI LAHQSRPGK KDFTTLESHA
JAIREG90_REMOR9 JAIREG90_REP62423 JAIREG90_C927121 JAIREG90_REAZTP6 JAIREG90_C927121 JAIREG90_REAZTP6 JAIREG90_C927121 JAIREG90_REAZTP6 JAIREG90_C927121 JAIREG90_REMOR9 JAIREG90_C917121 JAIREG90_REMOR9 JAIREG90_C917121 JAIREG90_C917122 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C91712 JAIREG90_C9171 JAIREG90_C9171 JAIREG90_C9171 JAIREG90_C9171 JAIREG90_C9171 JAIREG90_C9171 JAIREG90_C917 JAIREG90_C	UniRef90_J9YWA4 UniRef90_Q5FF23	KILLIPTILIN FILTIQQK SKILTTI ISHILIGRPKGKI N SAILISMA PIVIC
JAIRE190_RE490_DSVR86 JAIRE190_UP100016C5282 JAIRE19	UniRef90_K1WWR4 UniRef90_R6M0R9	A A L P S I N L A L D E R A R V I L I M S H L G R P K G R A V P E M S L A P V A A N I K T I R Y A V M K G A K V I L I S H I G K V K N D I D R K S N S I Y P V A
JAIRE190_RE490_DSVR86 JAIRE190_UP100016C5282 JAIRE19	UniRef90_P62423	ACSDTIKSLSEKGAKVVILAHQSRPGK KDFTTLEAHA
JniRef90	UniRef90_R4Z7P6	A A IL IP T IL IE WIL IT S R G A E IV IT A IV IT H IL IG R P K G A P D P A F D IV IA P IV IR
JniRef90	UniRef90_D5VR86 UniRef90_UPI00016C5282	A A L P T I K H L L D A G A S V I A M S H L G R P E K A T P E E R A N L D K V A
JAIRE190 G7WNS6 JAIRE190 C97WNS6 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98965 JAIRE190 C98961 JAIRE190 C98961 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98971 JAIRE190 C98972 JAIRE190 C98972 JAIRE190 C98972 JAIRE190 C98972 JAIRE190 C98972 JAIRE190 C98972 JAIRE190 C98972 JAIRE190 C98972 JAIRE190 C9872 JAIR	UniRef90_UPI00014C1D29	KSILIPTILIOY <mark>C</mark> ILIDEGAKILVI. ILIMSHRGRPKGKIVIDNNILISILIMPAG
Jinkef90	UniRef90_G7WNS6	SHII IPTIL IR DILIEE ARIV V L IMAHQSR AGKK D F T TILIEAHA
Jinkef90	UniRef90_O58965	AVLPTIRYLIESGAKVVIGTHQGKPYSEDY TTTEEHA
JniRef90	UniRef90_D1ATA9 UniRef90_X0PIX1	
JniRef90_K1YLL7	UniRef90_P20971 UniRef90_B6YWL5	LHSKTLKELVDENAKVAILAHQSRPGK RDFTTMEEHS AVUPTLOHLIDEGAKLVIGTHOSKPYKGDY ITTEOHA
JniRef90_R5MAC7	UniRef90_K1YLL7	K S C F DIL IR FILL IK Q G A SIVILL IS H W G D P Q G F D K R IL IS M F S IL C
JniRef90_R5MAC7	UniRef90_J9N906	GALPTIKYALENGAKSVILMSHLGRPNGSPNEKYSLKPVV
JniRef90	UniRef90_R5MAC7 UniRef90_J4WPV8	
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UniRef90_VPI000234E591 UniRef90_H8IAP1	PRLSELLGIQVQKADDVIGPEVEKLVAALPNGAVLLLENVRLLQRYIKQNVRYVDDIFGSHAKTALVEAEAGEVYMLENV
UniRef90_J4KT25	E E F E K I Y N T K I DLF N DLE A K E I F Q G K G K I Q F L E N L

	130	140 150 160
UniRef90_N6XPJ0 UniRef90_U3Q7I5		EKADDPRLAARIIARFIDVYVN
UniRef90_UPI000225C065	REHDG	E K A D D P R L A A R I A R F I D V Y V N E E K E D E N F A F E L S K L G N I Y V N E E E N S P A F A E H L A R L G D L F V N E E K N D P A L A Q G M A A L G D V Y V N E T K N D P E Y A R F L A S L G D I Y V A E K K D D E L S K K Y A M L C D V F I M E T Q N D R E F A R K L S E Y A D L Y V N E T Q N D R E F A R K L S E Y A D L Y V N A L A R Q L A E L V G P T G A F V S E E E N D P N F A A S L A A L A D L F C N E E K N D P A F A K A L V E G C D L A V N M E E A N D P K M A G F L A T L G D L Y C N A F A A E L A A L A D A
UniRef90_V7EI11 UniRef90_M1F8M0	R F H A G R F <mark>C P</mark> G	E E K N D P A L A Q G M A A L G D V Y V N F T K N D P F Y A R F L A S L G D L Y V A
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UniRef90_000869 UniRef90_T0DDF2	R F H K E	ETQNDREFARKLISEYADII YVN
UniRef90_A0QHY4	RFDARETSKDDAERL	ALARQLAEL VGPT GAFVS
UniRef90_R6AQD0	R F H K E	E E K N D P A F A K A L V E G C D L A V N
UniRef90_U3U5J1	R F N K G E H T R F S A	NDQALISKKYAELI <mark>C</mark> DVFVM MEFANDPKMAGELIATIIGDIIY <mark>C</mark> N
UniRef90_UPI00037B11E4	R F S A A E T S K D D V E R G A	A F A A E LA A LA D A YVG
UniRef90_R4PM77 UniRef90_B8ZUP2	RF Y P G RF D P R E T S K V D D E R L	A L A K Q L V E L V G S A G A F V S
UniRef90_G5ZWS5	R F WP E	
UniRef90_B4E1H9	RFH DEEEGKKDASGN	KVK A E P A KUE A F R A SUS KU G D V Y V N
UniRef90_077084	RFNKG R <u>F</u> Y <u>K</u> GENSKNVDERM	E E E N D P N F A A S L A A L A D L F C N E E K N D P A F A K A L V E G C D L A V N N D Q A L S K K Y A E L C D V F V M ME E A N D P K M A G F L A T L G D L Y C N A F A A E L A A L A D A E E A N D S A F A Q Q L A K H A D Y F V Q A L A K Q L V E L V G S A G A F V S E E A N D Q G F A A R L A A L G D L Y V N K V K A E P A K I E A F R A S L S K L G D V Y V N E K N N D D A L A K K Y A A L C D V F V M E K K N K E E L A R K M A A L C D V F V N E K K N K E E L A R K M A A L C D V F V M E K K N D A A L S E R Y A A L C D V F V M
UniRef90_J0K5N1	RLNVG RENAG	E K K N K E E L A R K M A A L C D I F V N E K K N D A A L S E R Y A A L C D V F V M
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UniRef90_A8A956 UniRef90_UPI0003453282	R F L A E E N L N A P P E R A N P G	VQAKTYL VRRLAKL FDVYVN FKANADAII AOKMAGII CDII VI N
UniRef90_UPI0003630EE7	RFHPGEE LND IN	
UniRef90_E9B1B3	R F F K G E D S K D	E
UniRef90_M5J2U4 UniRef90_Q7VRG3	R <mark>C</mark> N [V] G R F N K G	EKKNDPELARKMAAL <mark>C</mark> DVYVN EKTDDEVIAKKYASI
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UniRef90_A0A022GW09 UniRef90_C9RFQ1	RENRG REYSEEVISEWKKWEI	EKSN <mark>C</mark> DELSQKMARL <mark>C</mark> DIJYVN DITPKKQAETNI IKRISPLEDYFIN
UniRef90_G2LPU1	RENEGEL	KNSKVLSKKYSNLCDIFVM
UniRef90_K0P1U7	RFHSEELL	N D K H F A Q E L A GIL A DVYI N
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UniRef90_J9YWA4	RFYE	QEEKNDEEFAKMLSKFGELFVN
UniRef90_K1WWR4	RYHUE	E E K N D E G F A A E L A G Y A D V Y V N
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UniRef90_027121	RFYSEEVLKRDPE	E Q A E T HL V R K L A P L L D Y F I N
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UniRef90_X0PIX1 UniRef90_P20971	RY EDVVNGEN	YVK RESGNDPKLGEYWASLGDEYIN
UniRef90_B6YWL5	RFAAEDVKYKPLEEC	ERTHEVRKLAPLLDYVVN
UniRef90_K1YLL7 UniRef90_A2SSW4	RFS <u>A</u> EEN <u>L</u> TM	E K I N D K E F A S K L A S L A D I I Y V N K P E D G A <u>K</u> T <mark>H L V</mark> R K L A S M A D L F V Y
UniRef90_J9N906 UniRef90_R5MAC7	R F H I E E E G S K D K E G N F	KTKADKAQVEAFRKGLTALGDVYIN
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UniRef90_W0I7A8	RFAAEE KQKPLEEC	EKTHEVRKLAPL LDYVVN
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UniRef90_UPI00038026DC	RENLIGENLINDLI	F S K K L S D P F D I F V N
UniRef90_E1NTI1 UniRef90_R4UNN4	RFYVEEE <u>G</u> KGVDEGN	KVKASPEAVAKF <u>R</u> ASLRKL <u>GDY</u> YVN
UniRef90_F7XKZ3 UniRef90_Q8TK32	R F Y S E E T L E R S A S A H S R F Y S E E S I F R T P	SKSH MVTKLAPLIDVYLN AEQANTYMVKKIAPFIVDIFIN
UniRef90_W9DSN4	R F Y S E E S E S R P A	GERSOTHMVRKUSPLIDIFUN
UniRef90_R6B9L9 UniRef90_E4NTU3	R MCDDELPEEDPE	VK A D T A F VQ T L A P Y F D A Y V N
UniRef90_M0F938 UniRef90_C5F0E2	R M C D G E L P K E S P E R F Y E G	E K A A T E F V E T L A P R F D A Y V N E E K N D S E L S K Q L A D T C D V V N
UniRef90_R5W8L2	R F E D Y P	QKLESGNDLQLASYWASLGDLFVM
UniRef90_E7QQ16 UniRef90_UPI0003779B5C	RMNVG	E G K D D E A L S K K Y A A L C D V F V M
UniRef90_X1GWU0 UniRef90_UPI000234E591	RFYKE	A D R D K M A K L L A S Y G D U Y Y V N N D T L F A S K L A S Y G D U Y Y V N N D T L F A S K L L A S Y G D U Y Y V N N D T L F A S K L L A S Y G D U Y Y V N N D T L F A S K L L A S K U I D Y Y V N N D T L F A S K L L A S K U I D Y Y V N N D T L G D U Y Y V N N N D T L G D V Y Y V N N N D T L G D V Y Y V N N N D T L G D V Y Y V N N N D T L G D V Y Y N N N D T L G D V Y Y N N N D T L G D V Y Y N N N D T L G D N D L F V N N N D T L G D N D L F V N N N D T L G D N D L F V N N N D T L G D N D L F V N N N D T L G D N D L F V N N N D T L G D N D L F V N N N D T L G D N D L F V N N N D L G D D V Y V N N N N D T L G D N D L F V N N N D L G D D V Y V N N N N D L D D L F V N N N N D L D D L F V N N N D L D D L T D D L T D D L T D D L T D D L T D
UniRef90_H8IAP1	R F Y S E E V L E	
UniRef90_J4KT25	KSFNGESS	N C P K L S N K L G T L G D L Y V F

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JARRESO DESCRIPTION OF THE SECTION O	UniRef90_N6XPJ0	DAFGTAHRKECTLHALALPVACAGPLMTAELDALGRALAH
JARRESON MIESMO E A F G A B M R S H A S J S J S J S J S J S J S J S J S J S	UniRef90_UPI000225C065	DAFSVAHRFHTSI ITV LPKFFGKKNV LVFILKREI QQFILYGK DAFSCSHRAHASV VGI DYLPVIAGRAMEAELRALESI LTT
JANSSED JUDYNS JANSSED JUDYNS	UniRef90_M1E8M0	EAFGACHREHASISVPKIIPSMAGELIAKEINTINKILHN DAFGSAHRTQASTHGUGKEVSCSGULJQKEUEAUGKAUCN
JANSSESS MACHON O A F G V M F R M H A S T T G V IS A E M N G S F L M K E L I D M L D K V M F N M M S G B L L M K E L I D M L D K V M F N M M S G B L L M K E L I D M L D K V M F N M M S G B L M K E L I D M L D K V M F N M M S G B L M M K E L I D M L D K M M S M S M M M M S M M M M M M M M M	UniRef90_000869 UniRef90_T0DDF2	DAFGTAHRAHSSMÜĞI DHKIRVAĞYLMKKELDYFAKALET DAFGAAHRKHASTFELNAFFKNRGLLMKKELEALSKI LQK
JANSSESS MACHON O A F G V M F R M H A S T T G V IS A E M N G S F L M K E L I D M L D K V M F N M M S G B L L M K E L I D M L D K V M F N M M S G B L L M K E L I D M L D K V M F N M M S G B L M K E L I D M L D K V M F N M M S G B L M M K E L I D M L D K M M S M S M M M M S M M M M M M M M M	UniRef90_A0QHY4 UniRef90_UPI00037C2963	D G F G V V H R K Q A S V Y V A T L L P H Y A G T L V A E E I A V L E Q L T G S D A F S A S H R A H A S T T G A Q Y L P S C A G K L M E A E L K A L E S V L G Q
JAMESSID PROMOTORS OF THE ACT OF	UniRef90_U3U5J1	DAFGVSHRSHASIIAGVGKILMMVSGILLLIKKEII DFILDGVIEK DAFGSAHRAQASTHGI SRFIACAGPLL <mark>C</mark> AELKALSKVMTN
JAMES D. SANKES SOCRET D. A F. S. W. A F. R. A. A. A. S. S. W. G. W. N. L. P. D. A. G. F. L. W. M. S. R. L. B. S. W. G. A. G. F. L. W. K. R. L. B. S. W. G. A. A. L. E. S. J. M. G. R. W. M. L. P. D. A. G. G. F. L. W. K. R. L. B. S. W. G. A. A. L. E. S. J. M. R. B. S. W. G. G. G. F. L. W. K. R. L. B. S. W. G. A. A. L. E. S. J. M. R. B. S. W. G. G. G. F. L. W. K. R. L. B. S. W. G. A. A. L. E. S. J. M. R. B. S. W. G. G. G. F. L. W. K. R. L. B. S. W. G. B. S. W. J. B. R. L. B. S. W. G. G. G. F. L. W. K. R. L. B. S. W. G. B. S. W. J. B. R. L. B. S. W. G. G. G. F. L. W. S. R. L. B. S. W. J. B. R. B. S. W. J. B. B. R. B. S. W. J. B. B. R. B. S. W. J. B. B. S. S. S. R. R. R. S. W. J. B. B. S. S. S. R. R. R. S. W. J. B. S. S. S. S. S. S. S. S. S. S. S. S. S.	UniRef90_UPI00037B11E4	DAF SAARRAHASTIGVELLPN <mark>U</mark> AGRLMAEELAALEKALGU DAF GAVHRKHASVYVARLLPHAAGDLVRNEVEVLRRLTEN
JUNEARS JUNEAR	UniRef90_B8ZUP2	DAFSCAHRAHASI DAARIL LIPAFAGPIVIMIVII EILIQAIVIGAAILIED
Junkergo Jungergo Jungergo Jungergo Junkergo Jungergo Jun	UniRef90_UPI0002558C97 UniRef90_B4E1H9	DAEGIAHRAHSSMIVIGIVINII IPOKAGGEILIMKKEILINYEAKAILIES
JURINGESO UPPOCOTYPOED JOHN 1989 OF 1990 OF 1	UniRef90_J3Z442 UniRef90_O77084	DAFGASHRAQASTHGII FAPII T <mark>C</mark> AGPLLISNELEALIAKALEN
JAMES	UniRef90_C8PZF6	DAFGTAHRAEGTTYGQFAPVACAGPLLSAEIIDALTKALAQ DAFGTAHRAEASTEGVIAKAK <mark>C</mark> AGPLLAAELDALAKALDN
Johnson D. Priduction C. P. J. L. R. S. S. L. R. S. S. S. S. R. S. R. S. S. R. S. S. S. S. R. S. S. S. S. S. S. S. S. S. S. S. S. S.	UniRef90_Q1QCY9	DAFGTAHRAQASTEGVTQAMHCAGPLLAAELDALSLALET
Johnson D. Priduction C. P. J. L. R. S. S. L. R. S. S. S. S. R. S. R. S. S. R. S. S. S. S. R. S. S. S. S. S. S. S. S. S. S. S. S. S.	UniRef90_A8A956	DAFATAHRSQPSVVGFPLLPSAMGRVMEKEVKALSKVFNP DAFGTAHRAEASTHGIYAPIJAAAGPLLJAGELSALKRALEQ
JAMERSON, MOSZUM JAMERSON, JAMERSON, MOSZUM JAMERSON, MOSZUM JAMERSON, JAMERSON, MOSZUM	UniRef90_UPI0003630EE7 UniRef90_R6FTZ1	DTFS <mark>C</mark> SHRKHASTYGLEKTPSAAGFLLWNELSSITSFLND DAFGT <u>A</u> HRAHSSTVT <u>K</u> FVDTAV <mark>C</mark> GYLIQKELKFLGE <u>AV</u> NN
Johnseigo UPID0039-CESCES DG F G V V H R A H A S T A A.	UniRef90_E9B1B3 UniRef90_M5J2U4	DAFGTVHRMTASMTGVPLGAGVTGFLIEKEISAISMVMRN DAFGTAHRAEATTEGRFAPVACAGPLLEAELKALGRALNQ
JAIRESSO CAPTOT DAFAAAHRK QASUYLG FSYYMMLAGRILL ML KEULYLSKYLLSKYLLSK JURSSO X72UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS JURSSO X72UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS JURSSO X72UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS S JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS S JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS S JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS S JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QS JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QS JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QS JURSSO X77UBS X77	UniRef90_UPI00035F45C9	DAFAAAHRI QSSNVSKFVKVACSGILLIE QEII AALHKALSN DAFAAAHRAQPSLVGFYRI PMIAGRI MEKELKI LSKVLKN
JAIRESSO CAPTOT DAFAAAHRK QASUYLG FSYYMMLAGRILL ML KEULYLSKYLLSKYLLSK JURSSO X72UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS JURSSO X72UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS JURSSO X72UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS S JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS S JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS S JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QL TSS S JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QS JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QS JURSSO X77UBS DAFAAAHRK QASUYLAT LL PAYAGKL VAA EVRYLLE QS JURSSO X77UBS X77	UniRef90_W9DWJ6	DAFSCSHRAHASCELPKFLPSFSGLQLDLEVNALNKITSE
JAIRS D SONTO DA F S C IN R N H W S S P T Y F K E K Y A G Y L Q K E L A 1 D N C V V S N JAIRS D SONTO B A S A A A H R A Q P S L V IG A Y Y M P A IL A G R M E K E I K Y L S R V Q N JAIRS D SONTO B A F S C M H R K H A S L D A V T R L P S F IL G F N F Q E E M K Y L N S V V IS N JAIRS D SONTO B A F S C M H R K H A S L D A V R L L P S F IL G F N F Q E E M K Y L N S V V IS N JAIRS D G S F F 23 D A F S C M H R K H A S L D A V R L L P S F IL G F N F Q E E M K Y L N S V V IS N JAIRS D G S F 73 D A F S C M H R K H A S L D A V R L L P S F IL G F N F Q E E M K Y L N S V V IS N JAIRS D G S M B R A A A H R A S L D A V R L L P S F IL G F N F Q E E M K Y L N S V V IS N JAIRS D G S M B R K H A S N V G IL R Y I S N V I S N JAIRS D G S M B R K H A S N V G F I M F Y I S G IL G R L I S N L K I L N Y F K K A IL E K L JAIRS D G S M R S M F R K H A S N V G F R L R P S A A G R L L E N L N F K K A IL E K L JAIRS D G S M R R K H A S N V G F R L R P S A A G R L L E F T L L Q G A IL E N L JAIRS D G S M R A A H R A Q P S L V G F A L R P S A A G R L L M F K L L L D IL R R Q L JAIRS D D A F A A A H R A Q P S L V G F A L R P S A A G R L L M E K L I K T L L Q I L R R Q L JAIRS D D A F A A A H R A Q P S L V G F A L R P S A A G R L L M E K L I K T L L Q I L R R Q L JAIRS D D A F A A A H R A Q P S L V G F A L R P S A A G R R L L M T L Q G A L E N L JAIRS D D A F A A A H R A Q P S L V G F A L R P S A A G R R L L M T L Q G L E N L JAIRS D D A F A A A H R A Q P S L V G F A L R P S A A G R R L L M T L Q G A L E N L JAIRS D D A F A A A H R A Q P S L V G F A L R P S A A G R R L M T L Q G A L E N L JAIRS D D A F A C T A H R A C P S L V G F A L R P S A A G R R L M T K L L D L R R Q D A G T A C T A T A T A T A T A T A T A T A T	UniRef90_C9RFQ1	DAFAAAHRAQPSEVGFSYYMMTAGREMEKEVSVESKVEEN DAFASAHRKQSSTYGUFVKUACAGPLLINEMNALKYALKK
Junkelson Ostress Junk	UniRef90_X7ZU65 UniRef90_K0P1U7	D G F G V V H R K Q A S V Y I A T L L P A Y A G K L V A A E V R V L E Q L T S S D A F G T I H R N H V S T S P T Y F K E R Y A G Y L L Q K E I A T I D K L F S K
Junkelson Ostress Junk	UniRef90_Q3YT76 UniRef90_F8AKF8	DAFS <mark>CLHRKHASIDALTRLPSFIGFNFQEEMKYLNC</mark> VVSN DAFAAAHRAQPSLVGAYYMPALAGRIMEKEIKTLSRVIQN
Jurikef90	UniRef90_Q5FF23	DAFSCSHRAHASVDI AKYLPSYCGILQMSTEI DALKKVTSD DAFSCMHRKHASI DAVRLLPSFLGFNFQEELKYLSYVVSS
Jurikef90	UniRef90_R6M0R9	DAYGSCHRKHASIVITGII IPYILIPSGII IGEILLIENEILINKII IDMIVLINS
JURIRE190 JURINO14C1D29 DAFGTAHREDSATMTGILPIEGAGYAGYL MEKELINYFAQVL NN DIAIRE190 SWDA7 DAFAVSHREDSATMTGILPIEGAGYAGYL MEKELINYFAQVL NN DIAIRE190 JURIRE190	UniRef90_O27121	DAFAAAHRSQPSLVGFALRPSAAGRUUAQEVSVLIDURRQ
JURIRE190 JURINO 14C1D29 DAFGTAHREDSATMTGIP EGAGYAGYL MEKELINYFAQVL NN DINIRE190 GYWNS6 DAFAVSHREDSATMTGIP EGAGYAGYL MEKELINYFAQVL NN DINIRE190 JURIRE190 niRef90_D5VR86 UniRef90_UPI00016C5282	DAFPAAHRAQPSLVGFSYYMATAGRLMEKEIKVLSKVRDD DAFGT <mark>C</mark> HDKDASMVAVPAKPRAVGLL <u>V</u> AKELELIEGLMSA	
Jurike190	UniRef90_UPI00014C1D29 UniRef90_S9WDA7	DAFGTAHREHASNAGITKYFKGMGLLTEKEMEFLSENISD DAFGTAHRDSATMTGIPLGAGYAGYLMEKEINYFAQVLNN
JAIRE990_P20971	UniRef90_UPI0001D55905	DAFAVSHRSHLSVVGFTFLPSAAGRILMEKEI DSLDKGVRG DAFGTAHRAHSSMVGVNLPHKASGFLMKKELDYFAKALEN
JAIRE990 P20971 JAFAAAHRSQPSLVGFPLKFPSAAGRLMEREVKTLYKILIKN JAIRE990 B6YWL5 DAFAAAHRSQPSLVGGARLKFPSYAGILLQKEVNNLAYVMHQ JAIRE990 A2SSW4 JAIRE990 J9N906 DAFGTAHRSQNTITTGLSYAMKTVGLLLMEKEVEALSRAYET SAFGVSHRKHASLNAITTKFPSYAGILLQKEVNNNLAYVMHQ JAIRE990 J8N906 DAFGTAHRSQNTITTGLSYAMKTVGLLLMEKEVSMLSRYVFTS JAIRE990 R5MAC7 DAFGTAHRSQNSTYP DAFGTAHRSQNSTYP JAIRE990 R9T8F7 JAIRE990 R9T8F7 DAFGTAHRSQNSTYP DAFGTAHRSSNSTYP DAFGTAHRSQNSTYP DAFGTAHRSQNSTYP DAFGTAHRSQNSTYP DAFGTAHRSSNSTYP DAFGTAHRSSNSTYP DAFGSNSTYP DAFGTAHRSSNSTYP DAFGSNSTYP DAFGTAHRSSNSTYP DAFGSNSTYP DAFGNSTYP DAFGSNSTYP DAFGSNSTYP DAFGSNSTYP DAFGSNSTYP DAFGSNS	UniRef90_D1ATA9	DAFS CSHRMHAS DAI KFLPAAA GLNLQDELHYLGNIVSE
JAIRE990_K1YLL7 JAIRE990_A2SSW4 JAIRE990_J9N906 JAF G T A H R S Q P T T G S Y A MK T V G L ME K E V S M L S R V F T S J A F G T A H R A H S S M V G V D L P Q K A S G F L V K K E L E Y F A K A L E E D A F G T A H R A H S S M V G V D L P Q K A S G F L V K K E L E Y F A K A L E E D A F G T A H R A H S S M V G Q Y D T A V V G Y L M Q K E L D F L G N A V D N J A F G T A H R A H S S M V G Q V D T A Q S F L V K K E L E Y F A K A L E E D A F G T A H R A H S S M V G Q V D T A Q S F L V K K E L E Y F A K A L E E D A F G T A H R A H S S M W G D R L M E K E L T A L S S V F S D D A F G T A H R A H S S M W G D E F D L R A A G F L L K K E L E Y F A K A L E E D A F G T A H R A H S S M W G D N L P Q R A A G F L V K K E L E Y F A K A L E Y F A K A L E Y F	UniRef90_P20971 UniRef90_B6YWL5	DAFAAAHRSQPSILVGARIJKPMI MEREVKTILYKII IKN
JAIRE190_TAMAC7 JAIRE190_TAMAC9 JAIRE11 TAMAC9 JAIRE100_TAMAC9 JAIRE10	UniRef90_K1YLL7 UniRef90_A2SSW4	SAFGVSHRKHASLNAITKFPSYAGILLQKEVNNLAYVMHQ DAFGTAHRSQPTLTGLSYAMKTVGLLMEKEVSMLSRVFTS
JAMER JAME	UniRef90_R5MAC7	DAFGTAHRAHSSMVGVDLPQKASGFLVKKELEYFAKALEE DAFGTAHRAHCSNVGQYVDTAVVGYLMQKELDFLGNAVDN
UniRef90_R4UNN4 DAFGTAHRPHSSMMGEGFTVRASGFLLKKELEYFAKALDN UniRef90_F7XKZ3 DAFAVSHRSHLSLMGFTVLPSGAGRLMEKEILALDKGIKG UniRef90_Q8TK32 DAFAVAHRSHLSVVGFTVLPSGAGRVMEKELVSLDRGVKG UniRef90_R6B9L9 DAFAVSHRSHLSIMGFTVLPTSLDRGVKS UniRef90_E4NTU3 DAFGSAHRCHASTYGIKYLPSYSGFLVDNEVSMLDKAILHQ UniRef90_M0F938 DAYSAAHRSHASLVGFPLLPSYAGRVMEKEITSLDRGVKS UniRef90_C5F0E2 DAFGTSHRKHASTYGQYAKEKUNE UniRef90_E7QQ16 DAFGSSHRCHASTYGGVKFLPS UniRef90_UP10003779B5C DAFGTAHRAQASTHGVIRFAKUAG UniRef90_X1GWU0 DAFGTAHRAASTVGILFFLPSAAGFLLEKEIKVLSKLLQN	UniRef90_R9T8F7	DAFATAHREQASIHIEQANIA <mark>L</mark> AGFLLIERENRNLIKVLINN DAFATAHRSQ <mark>C</mark> SLVGPCVLPSAVGRLIMEKELTALSSVFSD
UniRef90_R4UNN4 DAFGTAHRPHSSMMGEGFTVRASGFLLKKKELEYFAKALDN UniRef90_F7XKZ3 DAFAVSHRSHLSVVGFTVLPSGAGRVMEKELVSLDRGVKG UniRef90_Q8TK32 DAFAVAHRSHLSVVGFTVLPSGAGRVMEKELVSLDRGVKG UniRef90_R6B9L9 DAFGSAHRCHASTYGIKYLPSYSGLDRGVKS UniRef90_E4NTU3 DAFGSAHRCHASTYGIKYLPSYSGLDRGVKG UniRef90_M0F938 DAYSAAHRSHASLVGFPLLPSYAGRVMEKELTSLDRGVKS UniRef90_C5F0E2 DAFGTSHRKHASTYGQYAKEKELVGFPLLPSYAGRVMEEYEANTALATRE UniRef90_E7QQ16 DAFGSHRKHASTYGQYAKEKUAGRVMEEYEANTALATRE UniRef90_UP10003779B5C DAFGTAHRAQASTHGVLARFAKUAGPLLAAELDALEKELUQKELLQN UniRef90_X1GWU0 DAFGTAHRAASTVGLTFLPSAAGELLEKELKULQN	UniRef90_D2X5Y9	DAFGTAHRGHASMWGVNLPQRAAGFLVKKELEYFAKVLES DAFGAIHRNEASTNGIYAKIJACSGLLLESELKTINSALTN
UniRef90_R4UNN4 DAFGTAHRPHSSMMGEGFTVRASGFLLKKKELEYFAKALDN UniRef90_F7XKZ3 DAFAVSHRSHLSVVGFTVLPSGAGRVMEKELVSLDRGVKG UniRef90_Q8TK32 DAFAVAHRSHLSVVGFTVLPSGAGRVMEKELVSLDRGVKG UniRef90_R6B9L9 DAFGSAHRCHASTYGIKYLPSYSGLDRGVKS UniRef90_E4NTU3 DAFGSAHRCHASTYGIKYLPSYSGLDRGVKG UniRef90_M0F938 DAYSAAHRSHASLVGFPLLPSYAGRVMEKELTSLDRGVKS UniRef90_C5F0E2 DAFGTSHRKHASTYGQYAKEKELVGFPLLPSYAGRVMEEYEANTALATRE UniRef90_E7QQ16 DAFGSHRKHASTYGQYAKEKUAGRVMEEYEANTALATRE UniRef90_UP10003779B5C DAFGTAHRAQASTHGVLARFAKUAGPLLAAELDALEKELUQKELLQN UniRef90_X1GWU0 DAFGTAHRAASTVGLTFLPSAAGELLEKELKULQN	UniRef90_W0I7A8 UniRef90_UPI000367688B	DAFAAAHRSQPSLVGFRIKPMIMGFLMEKEVNALTRAYES DAFGTSHREQASTHIIYANAA <mark>C</mark> SGILLEQEINVLTKALNN
UniRef90_R4UNN4 DAFGTAHRPHSSMMGEGFTVRASGFLLKKELEYFAKALDN UniRef90_F7XKZ3 DAFAVSHRSHLSLMGFTVLPSGAGRLMEKEILALDKGIKG UniRef90_Q8TK32 DAFAVAHRSHLSVVGFTVLPSGAGRVMEKELVSLDRGVKG UniRef90_R6B9L9 DAFAVSHRSHLSIMGFTVLPTSLDRGVKS UniRef90_E4NTU3 DAFGSAHRCHASTYGIKYLPSYSGFLVDNEVSMLDKAILHQ UniRef90_M0F938 DAYSAAHRSHASLVGFPLLPSYAGRVMEKEITSLDRGVKS UniRef90_C5F0E2 DAFGTSHRKHASTYGQYAKEKUNE UniRef90_E7QQ16 DAFGSSHRCHASTYGGVKFLPS UniRef90_UP10003779B5C DAFGTAHRAQASTHGVIRFAKUAG UniRef90_X1GWU0 DAFGTAHRAASTVGILFFLPSAAGFLLEKEIKVLSKLLQN	UniRef90_J0SBB5 UniRef90_Q465L1	DAFGTAHRSQPTVVGLPMLMSAAGLLMEREVATLSR <u>VF</u> TG DAFSVSHRSQ <mark>C</mark> SVVGFTVLPSVAGLLMDKEITGLDKALK <mark>C</mark>
UniRef90_R4UNN4 DAFGTAHRPHSSMMGEGFTVRASGFLLKKELEYFAKALDN UniRef90_F7XKZ3 DAFAVSHRSHLSLMGFTVLPSGAGRLMEKEILALDKGIKG UniRef90_Q8TK32 DAFAVAHRSHLSVVGFTVLPSGAGRVMEKELVSLDRGVKG UniRef90_R6B9L9 DAFAVSHRSHLSIMGFTVLPTSLDRGVKS UniRef90_E4NTU3 DAFGSAHRCHASTYGIKYLPSYSGFLVDNEVSMLDKAILHQ UniRef90_M0F938 DAYSAAHRSHASLVGFPLLPSYAGRVMEKEITSLDRGVKS UniRef90_C5F0E2 DAFGTSHRKHASTYGQYAKEKUNE UniRef90_E7QQ16 DAFGSSHRCHASTYGGVKFLPS UniRef90_UP10003779B5C DAFGTAHRAQASTHGVIRFAKUAG UniRef90_X1GWU0 DAFGTAHRAASTVGILFFLPSAAGFLLEKEIKVLSKLLQN	UniRef90_S4R2M7 UniRef90_UPI00038026DC	DAFGTAHRAHSSMVGVNLPQKAGGFLMKKELNYFAKALES DAFSASHRNHSSLVGPNHLPSLAGLDLIKELNNLNKFFSN
DAFAVAHRSHLSVVGFTVLPSGAGRVMEKELVSLDRGVKGUNIRef90_W9DSN4	UniRef90_R4UNN4	DAFGTAHRPHSSMMGEGFTVRASGFLLKKELLEYFAKALDN DAFGTAHRPHSSMMGEGFTVRASGFLLKKELLEYFAKALDN DAFAVSHRSHISIMGETVIDSGAGBLIMEKELLAGOVG
DAYSAAHRSHASIL V GFPLL PAYAGR V MQEYEAN SAII AIRE UniRef90_M0F938	UniRef90_Q8TK32	DAFAVAHRSHLSV VGFTV LPSGAGRV MEKEL VSLDRGV KG
UNIKEISO ATGORDO DAFGTARARS STVGLTFLPSAAGFLLEKEILKVLSKLLQN	UniRef90_R6B9L9 UniRef90_E4NTU3	DAFGSAHR <mark>CHASTYGIKYLPS</mark> YSGFLVDNEVSMLDKALHQ DAYSAAHRSHASLVGFPLLPAYAGRVMQEYEANSAIIATRE
UNIKEISO ATGORDO DAFGTARARS STVGLTFLPSAAGFLLEKEILKVLSKLLQN	UniRef90_M0F938 UniRef90_C5F0E2	DAYSAAHRKHASL VIGFPLLPSYAGRV MEEYEANTAI ATRE DAFGTSHRKHASTYGQYAKEKVAGLLLKKEI DSFGLALSN
UNIKEISO ATGORDO DAFGTARARS STVGLTFLPSAAGFLLEKEILKVLSKLLQN	UniRef90_R5W8L2 UniRef90_E7QQ16	DAFGSSHR <mark>C</mark> HASTAGILKFLPS <mark>C</mark> LGFLVQKELMMLNDNVLH DAFAAAHRSQPSLVGFPRLPGYAGRVMEREVDVLGDILES
	UniRef90_UPI0003779B5C UniRef90_X1GWU0	DAFGIARRASSIVGLIFLIPSAAGFLLIEREII KVLISKLLIQN
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UniRef90_N6XPJ0	PARPLAAI VAGSKVSTKLTI LESLAAKVDVL VLGGGLANT
UniRef90_U3Q7I5 UniRef90_UPI000225C065 UniRef90_V7EI11	P A R P L A A I V A G S K V S T K L T I L E S L A A K V D V L V L G G G I A N T G K R P I T I L L G G S K I S S K I E I I E N L I N F A D Y I L I G G G M S Y P P K R P V M A I A G S S K V S T K L E L L T N L I S K V D Y L V L G G G M A N T P V R P V V A V V G G A K V S T K L D L L G N L V G K V D H L V I G G G M A N T P E Q P L V V V A G G K K V S D K I K V I G N L I D K V D S I C V G G G M S F A P M R P M V A I V G G S K V S T K L I V L D S L S K V A D Y L I V G G G I A N T P Q R P F L V I L G G A K V A D K I K I I E R L L S S V S S L L I G G A M A Y P T K R P Y A V V L G G S K V S D K L K I I E R L L S S V S S L L I G G A M A N T P E R P F A A I I G G A K V S D K L Q V I A N L M E K A D V I L I G G G M A N T P Q R P L I V I V G G S K I S D K L Q V I A N L M E K A D V I L I G G G M A N T P Q R P L I V I V G G S K I S T K L D L L N N L V E K D V L I I G G G M A N T P Q R P V G A V V L G G S K V S T K L D L L N N L V E K D D V L I I G G G M A N T P Q R P V G A V V L G G S K V S T K L D L L N N L V E K D D V L I I G G G M A N T P Q R P Y A V V L G G S K V S T K L D L L N N L V E K D D V L I I G G G M A N T P Q R P Y A V V L G G S K V S T K L D L L N N L V E K D D V L I I G G G M A N T P Q R P Y A V V L G G S K V S T K L D L L N N L V E K D D V L I I G G G M A N T P Q R P Y A V V L G G S K V S T K L D L L N N L V E K D D V L I U G G G M V Y T
UniRef90_M1E8M0 UniRef90_Q493F0 UniRef90_O00869	P E Q P L V V V A G G K K V S D K I K V I G N L I D K V D S I C V G G G M S F A P M R P M V A I V G G S K V S T K L I V L D S L S K V A D Y L I V G G G I A N T P Q R P F L V I L G G A K V A D K I Q L I K S M L D K V D E M I I G G G M A F T
UniRef90_T0DDF2 UniRef90_A0QHY4	PETPFVAVVLGGAKVSDKI KI I ERLLSSVSSLLI GGAMAYP TKRPYAVVLGGSKVSDKLGVIESLATKADSI VI GGGMCFT
UniRef90_UPI00037C2963 UniRef90_R6AQD0 UniRef90_U3U5J1	P T R P V V T V V G G A K V S T K II A L L E N L I E K V D C I I I G G A M A N T P E R P F A A I I I G G G M A N T P C R P I L V L V G G S K II S T K F N L I T S L V K II A D T V L V G G G II A N T
UniRef90_C7DEK3 UniRef90_UPI00037B11E4	P Q R P V G A V V G G A K V S T K L D L L N N L V E K L D V L I I G G G M A N T P Q R P Y A V V L G G S K V S D K L A V I D R L L G L A D K I L V G G G M V Y T
UniRef90_R4PM77 UniRef90_B8ZUP2 UniRef90_G5ZWS5	PEKPLVAIV LGGAKIVIS DKILIPILI IKALLEHAA DTILI VGGAMANT AKRPYAIV VLGGAKIVIS DKILIPILI ESLATKADSI VLGGGM <mark>C</mark> FT PORPIVAAIV VGGAKIVIS TKILIDI ITHILIDKIVIDILI LIGGGMANT
UniRef90_UPI0002558C97 UniRef90_B4E1H9	P V R P V V A V V G G A K V S T K L D L L G N L V E K V D R L V I G G G M A N T P E R P F L A I L G G A K V A D K I Q L I N N M L D K V N E M I L G G G M A F T
UniRef90_J3Z442 UniRef90_O77084 UniRef90_J0K5N1	P E R P M V A I V G G S K V S T K L G V L K S L S K L S D Q I I G G G G L A N T P V R P V V A V V G G S K V S D K I G L L G N L C N F C Q T I V I G G A M A F T P O R P I V A I V A G S K V S S K I T I L K S L A D K V D O I V G G G G A N
UniRef90_C8PZF6 UniRef90_UPl000478F0EF	PAKPMLAI VGGSKVSTKLDVLKSLAKI <mark>C</mark> DQI I VGGGIANT PVAPFVVVLGGSKVSDKLAVI ENLLGTADRI L VGGGMVFT
UniRef90_Q1QCY9 UniRef90_Q4FN33 UniRef90_A8A956	PAQPMLAIVGGSKVSIKLEVLHSLAEL <mark>C</mark> SQIIVGGGIANI IQRPIT <mark>C</mark> IIGGSKISSKINIIKNLITKEDNLIIVGGMANN OVSPKIEVLGGGKVPDTIVIENUVNKVADRIITGIVAE
UniRef90_UPI0003453282 UniRef90_UPI0003630EE7	PKRPEVAI VGGSKVSTKLTI LKSLAHKVDQLI VGGGLANT NNKPFTVI IGGAKI STKLSL LNKL VERVDYL I IAGAMANT
UniRef90_R6FTZ1 UniRef90_E9B1B3 UniRef90_M5J2U4	PEQPIL VAI VIGGSKIVISDIKII AIVI NINILLEKIVIN TITTI TI GGGMAYT PEQPIL VAI VIGGSKIVISDIKII NIVILISSI FINFAHTIVI I I GGAMAYT PARPIL VAI VIGGAKIVISTIKILISII IRALIA EKIVID QIL VIVIGGGII ANT
UniRef90_Q7VRG3 UniRef90_UPI00035F45C9	P V R P M V A I V G G S K V S S K L M V L E S L S K V V D Y L I V G G G I A N T P E R P S I F V L G G A K A D D S I E V T K N V L R N A D R V L T T G L V A N L
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UniRef90_X7ZU65 UniRef90_K0P1U7 UniRef90_Q3YT76	ESSPVMAI MGGNKL VDKAQPI EGL IPYVDHI LIAGGLTLP SEKPVAVI VGGSKI ISTKI HMIKNLTKKVDFLI VGGAI ANN
UniRef90_F8AKF8 UniRef90_J9YWA4	P M R P M V A I V G G S K V S D K I D V L D S M L D V M D S M I O Y D G G G M A F T P P Q R P F L V I L G G A K V A D K I Q L I K S M L D K V D E M I I G G G G M A F T P P T P F P P V A V V L G G S K V S D K L G V I E S L A T K A D S I V I G G G A M A F T P T P T P V A V V L G G S K V S D K L G V I E S L A T K A D S I V I G G G A M A T T P P T R P P V A V V L G G S K V S D K L G V I E S L A T K A D S I V I G G G A M A T T P P T R P Y A V V L G G S K V S D K L G V I E S L A T K A D S I V I G G G A M A T T P P R P F A A I I G G A K I S D K L Q V I A N L M E K A D V I L I G G G M A N T T P Q R P P L Q V V L Q G G S K V S T K L A L L E K K W D C L I V I V G G G M A N T T P Q R P P L Q V V L G G S K V S T K K L D L L N S K W A D S I V I V G G G G M A N T T P Q R P Y A V V L G G S K V S T K K L D L L N S K W A D S I V I V G G G G M A N T T P Q R P P L Q A V V L G G S K V S D K L G V I E S L L T K A D S I V I V G G G G M A N T T P Q R P Y A V V L G G G S K V S D K L G V I E S L L T K A D S I V I V G G G G M A N T T P Q R P Y A V V L G G G S K V S D K L G V I E S L L T K A D S I V I V G G G G M A N T T P Q R P Y A V V L G G G S K V S D K L G V I E S L L T K A D S I V L G G G G M A N T T P Q R P Y A V V L G G G S K V S D K L G V I E S L L T K A D S I V L G G G G M A N T T P W M A V V G G G A K V S D K L G V I E S L L T K A D S I V L G G G G M A N T T P W M A V V G G G A K V S D K L G V I E S L L T K A D S I V L G G G G M A N T T P W M A V V G G G A K V S D K L G V I E S L L T K A D S I V L G G G G M A N T T P W M A V V G G G A K V S D K L G V I E S L L T K C D D L I T C G G G M A N T T P W M A V V G G G A K V S D K L G V L K S L L G T L V I V G G G G M A N T T P W M A V V G G G A K V S D K L G V L K S L A D K W D L L V I C G G G M A N T T P W M A V V G G G S K V S D K L G V L K S L A D K W D Q L L V V G G G G M A N T T P W M A V V G G G S K V S D K L G V L K S L L G T L C S Q I L V V G G G G M A N T T P W M A V V G G G S K V S D K L G L L K S L L A D K L L V L T T G G G M A N T T P W M A V A V G G G S K V S D K L G L L
UniRef90_Q5FF23 UniRef90_K1WWR4 UniRef90_R6M0R9	PARPFVAI VGGSKVSGKLEAVGHLIPRVEKMIIGGGMAFT DTHPFIVVMGGKKVDDKIVLIEKLLEKCDKLLVGGAMSFT
Office 30_OZI 1Z1	
UniRef90_R4Z7P6 UniRef90_D5VR86 UniRef90_UPI00016C5282	PRRPFVAITGGAKVSDKLGVIRALLNIADEI LIGGGMCFT PENPCVYSLGGAKADDSIKIMMNVIEKVDKILTSGVVGNI PKAPVLGIMGGAKVSDKIAFINVLLTKVDQLLIGGKMTYT
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UniRef90_D1ATA9 UniRef90_X0PIX1	PORPEIVIAILLIGGAKIVIS DKILIGIV LIDNILLIS KADKILLLIGGGMT Y T
UniRef90_P20971 UniRef90_B6YWL5 UniRef90_K1YLL7	NEKPRII YV LIGGAKIVID DISILIRIVIA ENIV LIRNGRDILI LITGGIL VIGH
UniRef90_A2SSW4 UniRef90_J9N906 UniRef90_R5MAC7	A P K P V T F V L G G T K V D D S I A V A G N V L A N A D K V A I I G V V A N V P Q R P F L A I L G G A K V S D K I Q L I D N L L D K V N T L I I C G G M A F T
UniRef90_X3MAC7 UniRef90_J4WPV8 UniRef90_R9T8F7	P V R P F V A I L G G A K V A D K L N V I S N L L E K C D T L I I G G G M A F T Y E N P Y I A V I G G A K V S T K L E L I K S I N N E A Q N I I V G G G I A N T T N H P S V F I L G G S K F S D S I K V M D R A L T K A A D L I I L V G L T A S
UniRef90_A0A024AH07 UniRef90_D2X5Y9 UniRef90_P59461	PERPFLAILGGAKVADKIQLIENMLDRVDEMIIGGGMAFT PEKPFLAILGGAKVSDKIQLIDNMLDKVNSLII <mark>C</mark> GGMAFT PVRPMVAIVGGAKVSTK <u>FKTL</u> TTL <u>AKISDT</u> LI <u>V</u> GGGIAN <u>T</u>
UniRef90_W0I7A8 UniRef90_UPI000367688B	RËRPKVYV LGGAKVEDSERVAENVEKADET LTGGEVGNE TQKPYTALIGGAKVSTKLELIKNINSKADHVIVGGGIANT
UniRef90_J0SBB5 UniRef90_Q465L1 UniRef90_S4R2M7	P Q R P F L A I L G G A K V S D K I Q L I D N L L D K V N T L I I C G G M A F T P V R P F V A I L G G A K V A D K L N V I S N L L E K C D T L I I G G G M A F T Y E N P Y I A V I G G A K V S T K L E L I K S L N N E A Q N I I V G G G I A N T T N H P S V F I L G G S K F S D S I K V M D R A L T K A A D L I I L V G L T A S P E R P F L A I L G G A K V A D K I Q L I E N M L D R V D E M I I G G G M A F T P E K P F L A I L G G A K V S D K L Q L I D N M L D K V N S L I I C G G M A F T P V R P M V A I V G G A K V S T K F K T L T T L A K L S D T L I V G G G I A N T R E R P K V Y V L G G A K V S T K E K T L T T L A K L S D T L I V G G G I A N T A P R P V T A I I G G A K V S T K L E L I K N I N S K A D H V I V G G G I A N T A P R P V T F I L G G T K V D D S V A V A E N V L E K A D R V V V I G V A N V R E H P A I F I L G G A K A N D S I K A I S N I L K R A A D K I L T T G V V A T P E R P F L A I L G G A K V A D K I Q L I N N M L D K V N E M I I G G G M A F T
UniRef90_UPI00038026DC UniRef90_E1NTI1	PREPARE LOCARIVETRI RELIGIONATE
UniRef90_R4UNN4 UniRef90_F7XKZ3 UniRef90_Q8TK32	PERPFLIAII LIGGAKIVIADKII QLI IENLLIDKIVINEMII VIGGGMAYT SGHPNII FVLIGGAKIVIDDSLIKVIAESVLIKAGNDRVLLITGII VIGM GERPSII FVLIGGAKIVIDDSII RIVITENIVI ITSADRIVI II TGIVVIANIVI
UniRef90_W9DSN4 UniRef90_R6B9L9	PVHPFVTI L GGAKVSDKI GVITNLI PKSDHI LI GGGMAYT PERPFLAI L GGAKVSDKI GVITNLI PKSDHI LI GGGMAYT SGHPNIFVL GGAKVADKI QLIENLL DKVNEMI VGGGMAYT SGHPNIFVL GGAKVDDSLKVAESVL KAGNDRVL LTGIVGM GERPSIFVL GGAKVDDSL RVTENVL TSADRVL LTGVVANV GESPCIFVL GGAKVDDSL TVAENVL SNADRVL VTGVVANV RK TLI L GGAKVDDKI GVIDNLI NTSDNL L GGAMCFT
UniRef90_E4NTU3 UniRef90_M0F938 UniRef90_C5F0E2	FDGPVTMVVGGTKATDVIGVMNALGERVDRFLLG GVAGE
UniRef90_R5W8L2 UniRef90_E7QQ16	AKRPFTIIMGGAKIEDKLELMNKLLPKCDYMLVVGALANS TPRPRTYVVGGAKVSDSIAVAKNVLERADHVLTAGVVGNV
UniRef90_UPI0003779B5C UniRef90_X1GWU0 UniRef90_UPI000234E591	AKRPFTIIMGGAKIEDKLELMNKLLPVODKIIIGGAMSNI AKRPFTIIMGGAKIEDKLELMNKLLPVCDYMLVVGALANS TPRPRTYVVGGAKVSDSIAVAKNLERADHVLTAGVVGNV PAKPLLAIVAGSKVSTKLTLLENLIGKVDQLIVGGGIANT PERPFLLILGGAKVSDKVGVIKNLLDRIDTVIFGGALSYT PKRPFAAIVGGSKVSSKIGVIESLLEKCDILLLGGGMIFT GGGEVVYYVLGGAKVDDSISVIRNVLKKIATRVLVTGVVAS
UniRef90_J4KT25	G G G E V V Y V L G G A K V D D S I S V I R N V L K K I A T R V L V T G V V A S Y K N P Y L A V L G G S K V S T K L G L I E N L I N K V D K I I V G G G I A N T

JAMESSO, JUPOZOZSOOS PER J. K. K. G. G. K. J. G. D. S. T. JE K. S. J. E. T. K. K. J. E. J. K. Y. O. N. K. E. J. J. J. J. J. J. J. J. J. J. J. J. J.		050 000 070 070
June	UniRef90 N6XPJ0	FILIA ARG <mark>C</mark> EVIGASILIHEPDILLIDAARRITERRILIAEHGGVVIWILIP
JANSONS ON STREET JANSONS ON ST	UniRef90_U3Q7I5	FILIKII IKGGK ILIGDSILLIEKDILIEKTILIKKILIEHKYONKILIELLI <mark>H</mark> ILIP
JANSONS ON STREET JANSONS ON ST		FILL A Q G Q DII G E SILA E P DIL VIP Q A Q A II I N K A K I N N C I L I L IP
JANSONS ON STREET JANSONS ON ST	UniRef90 M1E8M0	FLK AKGYENGRSYVEDNMDAVAKEN LIGNNGKKILLP
June June	UniRef90_Q493F0	FLA AQGKKVGKSLYEEELIPTAKRLLE NCDIPIL
June June		FILKKYIIMFPIIGKSILFDEEGYKII VIDEII IAKAKEKNUKII IIILP
June June		FILA AQGESVGKSLLETEMVDTCRRLLDT YVDVLRL
June June	UniRef90_UPI00037C2963	FL FSKGFNVGRSLVEEGLKPTALKILNKAKKYSCKIILP
JAMESSO DE PRODUCTOS DE LA RESTRUCTION DE LA RES		FIVIA AEGYDMGKSIL QDKDRFDILIARNIL IMKKAHDMGSEII IMIL IP
JAMESSO DE PRODUCTOS DE LA RESTRUCTION DE LA RES	UniRef90_C7DEK3	FL MAQGAQLGASLVEADLLDTAREIMAKAHTTGCALVLP
Junker90 Q1GCY9 Junker90 A9A956 Junker90 A9A966 Junker90 A9A966 Junker90 A9A967 Junker90 A9A966 Junker90 A9A967 Junker90 A9A967 Junker90 A9A967 Junker90 A9A968 Junker90 A9A96	UniRef90_UPI00037B11E4	FLA AQGYEVGTSLLEADQLETVKGYLAEAEKRGVELLLP
Junker90 Q1GCY9 Junker90 A9A956 Junker90 A9A966 Junker90 A9A966 Junker90 A9A967 Junker90 A9A966 Junker90 A9A967 Junker90 A9A967 Junker90 A9A967 Junker90 A9A968 Junker90 A9A96		FILARRGNEMG SSHI EPDQAETIJDAI YEAAAQKIVGRQVLP
Junker90 Q1GCY9 Junker90 A9A956 Junker90 A9A966 Junker90 A9A966 Junker90 A9A967 Junker90 A9A966 Junker90 A9A967 Junker90 A9A967 Junker90 A9A967 Junker90 A9A968 Junker90 A9A96	UniRef90_G5ZWS5	FLA AKGMDMGASLMEPDLIDTAADII IIAAADKKGCKLMLP
Junker90 Q1GCY9 Junker90 A9A956 Junker90 A9A966 Junker90 A9A966 Junker90 A9A967 Junker90 A9A966 Junker90 A9A967 Junker90 A9A967 Junker90 A9A967 Junker90 A9A968 Junker90 A9A96	UniRef90_UPI0002558C97	FLA AQGINVGKSLCEHELTETAKQIMLKALDVGCEI ILP
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Junker90 Q1GCY9 Junker90 A9A956 Junker90 A9A966 Junker90 A9A966 Junker90 A9A967 Junker90 A9A966 Junker90 A9A967 Junker90 A9A967 Junker90 A9A967 Junker90 A9A968 Junker90 A9A96	UniRef90_J0K5N1	T F MLIA A GLIPII G K SIL A E P DIL VIE E A R AIVIMA A M K A R G A DIVIPII P
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Junker90		I LKYKEU EI GKSI QEDNUDKI I EEI ESESKKENUKI I YP
Junker90	UniRef90_UPI0003453282	FMLAAGI PIGKSTAEASILVSEAKAI I ELMQQRGAAV PIP
Junker90	UniRef90_UPI0003630EE7	FILIA AKGLINI IGCSLIYEPSLITEAALHILLQKSLITTNCQLI LP
Junker90	UniRef90_R6F1Z1 UniRef90_E9B1B3	FILKSKVERVVREKGRDVDLIHNTARDLIMDLAKARKVRI I I IP
Junker90	UniRef90_M5J2U4	FM MASGLSVGKSLVEESQLEEAREVIRLMKERGAEVPIP
Junker90	UniRef90_Q7VRG3 UniRef90_UPI00035F45C9	FILIA AQGQNIVIGKSILIYEAEILIISTAKSILI ILIKD <mark>C</mark> NII PI P
Junker90	UniRef90_UPI0003FCE5C6	FFAYKK IPLGKSNFEPGMDETVKRIYEKAGAKVGKAVLP
Jilikef90 _B8AKF8 Jilikef90 _J9YWA4 Jilikef90 _J9YWA4 JIIKef90 _JYWA4 JIIKEf90 _JYWA4 JIIKEf90 _J	UniRef90_W9DWJ6	FILEYFGNSVGKSIKEKN <mark>CDKLV</mark> EEIISLSKKEK <mark>C</mark> KIIYP
Jilikef90 _B8AKF8 Jilikef90 _J9YWA4 Jilikef90 _J9YWA4 JIIKef90 _JYWA4 JIIKEf90 _JYWA4 JIIKEf90 _J	UniRef90_A0A022GW09	FILLANGY DILIGILN MNIV I ENLIGIL VIN Q I LEVIA K RILLID K F G E K
Jilikef90 _B8AKF8 Jilikef90 _J9YWA4 Jilikef90 _J9YWA4 JIIKef90 _JYWA4 JIIKEf90 _JYWA4 JIIKEf90 _J	UniRef90_G2LPU1	FL ADDYNIGKSLHEPNFIFEAKKLRNK CNILTP
Jilikef90 _B8AKF8 Jilikef90 _J9YWA4 Jilikef90 _J9YWA4 JIIKef90 _JYWA4 JIIKEf90 _JYWA4 JIIKEf90 _J		F F R A K Q A I HI I S R I D G Q A F V I A S R I F D I I M Q N S H C Q I WI P
JiliRef90 _0SF23	UniRef90_Q3YT76	FLLS QGLKIGRSLY EELEKDLVKEIMDLAKRHECKI I VP
Jurikerjo QSFF23 Jurikerjo QSFF23 Jurikerjo QSFF23 Jurikerjo QSFM0R9 Jurikerjo R6M0R9 Jurikerjo R6M0R9 Jurikerjo R6M0R9 Jurikerjo De2423 Jurikerjo De2423 Jurikerjo De2423 Jurikerjo De2423 Jurikerjo De2423 Jurikerjo De2423 Jurikerjo De16222 Jurike	UniRef90_F8AKF8	FILIK G Y KILI G P N K KILI E D M G Y LIN QIV E ILI A K DIL LID K H G D KILI T P
Jinkef90	UniRef90_Q5FF23	FLLS_QGLKIGNSLCEKLDEDPFVDVLNFAKKYGCELLVP
Jinkef90	UniRef90_K1WWR4	FLKALGH EVGKSLVEDDMMDKALEVMKTAKELGVKFYLP
JniRef90		FIL VIA K G Y K I G P N E NIV I A D M G Y T N QI E I I A K E L I S K Y G D K I V
JniRef90	UniRef90_O27121	FILIA G C GIVIKII IN M D FII IK S R G Y C D FII IKIVIA K KILIK K R F P E RII V V IP
JAIRE190 SWDAY JAIRE190 GYWNS6 JAIRE190 GYWNS6 JAIRE190 GYWNS6 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 J0001D55905 J0001D		FFA AMGHSVGSSLLEPDRVDD <mark>C</mark> RALLDEFGDR <u>LVLPIDV</u>
JAIRE190 SWDAY JAIRE190 GYWNS6 JAIRE190 GYWNS6 JAIRE190 GYWNS6 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 D10001D55905 JAIRE190 J0001D55905 J0001D	UniRef90_UPI00016C5282	FLKARGVOVGATRVGDEEVA AAGPLLKHVGTKI VLP
JAIRE990		FILL SANKYDMGKSLVQKDEVETAKKILMLMASKSKTNI I LP
JniRef90_UP10001D55905	UniRef90_G7WNS6	VFQMAAGVNVGNKNREFDYADQVALAKDLLEKNPGKI VVP
JAIRE190 VOPIX1 JAIRE190 P20971 JAIRE1		FLKVLNNMEIGASLFDEEGAKLVKDIMTKAQKN
JAIRE190 VOPIX1 JAIRE190 P20971 JAIRE1	UniRef90_D1ATA9	FILE ASGHKI GSSVYEP CDDAVHAV LESARKSN CGV I VP
JniRef90_ K1YLL7 JniRef90_ J9N906 JniRef90_ J9N906 JniRef90_ J8NAC7 JniRef90_ J8NAC7 JniRef90_ J4WPV8 JniRef90_ J4WPV8 JniRef90_ A0A024AH07 JniRef90_ D2X5Y9 JniRef90_ D2X5Y9 JniRef90_ D2X5Y9 JniRef90_ P59461 JniRef90_ UP1000367688B JniRef90_ UP1000367688B JniRef90_ UP1000367688B JniRef90_ UP1000367688B JniRef90_ UP1000367688B JniRef90_ UP100038026DC JniRef90_ E1NT11 JniRef90_ LE	UniRef90_X0PIX1	FYA AKGII IKIVIGDSII VIEKDKII IDIVIAKNII I IEK GGDKII VI IP
JniRef90_ K1YLL7 JniRef90_ J9N906 JniRef90_ J9N906 JniRef90_ J8NAC7 JniRef90_ J8NAC7 JniRef90_ J4WPV8 JniRef90_ J4WPV8 JniRef90_ A0A024AH07 JniRef90_ D2X5Y9 JniRef90_ D2X5Y9 JniRef90_ D2X5Y9 JniRef90_ P59461 JniRef90_ UP1000367688B JniRef90_ UP1000367688B JniRef90_ UP1000367688B JniRef90_ UP1000367688B JniRef90_ UP1000367688B JniRef90_ UP100038026DC JniRef90_ E1NT11 JniRef90_ LE		VIFTLIAK G F HILIG DANILIE F MAKK GILLIEL VID WAFNI I ID F F Y T P
Jniref90	UniRef90_K1YLL7	LLA AKGVKLGKSLCDTGEFKEAKKLIQLAG DKLLLP
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JniRef90_D2X5Y9 JniRef90_P59461 JniRef90_W0I7A8 JniRef90_UPl000367688B JniRef90_J0SBB5 JniRef90_Q465L1 JniRef90_UPl00038026DC JniRef90_UPl00038026DC JniRef90_E1NTI1 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R6BBL9 JniRef90_W9DSN4 JniRef90_W9DSN4 JniRef90_R6BBL9	UniRef90_R5MAC7	FIN A F G K F I G S S I V D D T K I D Y C R F M I A K A F K I G K K I I I P
JniRef90_D2X5Y9 JniRef90_P59461 JniRef90_W0I7A8 JniRef90_UPl000367688B JniRef90_J0SBB5 JniRef90_Q465L1 JniRef90_UPl00038026DC JniRef90_UPl00038026DC JniRef90_E1NTI1 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R4UNN4 JniRef90_R6BBL9 JniRef90_W9DSN4 JniRef90_W9DSN4 JniRef90_R6BBL9	UniRef90_J4WPV8	FILKAAG FKII GQSIL Y E E S MILDII AKSII LEK NKII V L
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JniRef90_X1GWU0 FVK AKNWEVGNSYVEYDKLDLVKGILEEARKRRIELHTP JniRef90_UP1000234E591 FYK AQGLSVGSSLVEEDKLELATSLLAKAKEKGVSLLLP JniRef90_H8IAP1 VFLAARGLDIGKFLDKSGLSGEIPRAKELLRQFGEMIAMP JniRef90_J4KT25 FLLAKEYEIGESLCEPDMVNLAERL MNSGKIILP		FILIF A D G A D [L G D A S H D E G Y W D Y L D D A A E [L L D I Y S D R H L P F A A A G H G V G N S L Y F P D L I D A A K K V I A D A K R R G A F V P L P
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UniRef90_UPI00037B11E4	
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UniRef90_G5ZWS5	EDG L AA V EFKAGAAHRH I P NHAIIL NAEMM L D I GPTA I SH
UniRef90_UPI0002558C97 UniRef90_B4E1H9	S D V V V A R E F K A G A E N E T V P V T Q V P A D T M L D A G P E A V E R V D F V T A D K F D E N A K T G Q A T V A S G L P A G W M G L D C G P E S S K K
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UniRef90_C8PZF6 UniRef90_UPI000478F0EF	F D D F L G S L E S A D A V T K S V N T L T D D E MI L D I S A S S A A K T D L V V A A K F S A D A A H E T V P A D G L F G A D G L G L D I G P E S G A A
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UniRef90_UPI0003453282	DVVTAKTESATAQPEIKSAHT VAEDDLI LDLGPASVGQ
UniRef90_UPI0003630EE7 UniRef90_R6FTZ1	FDVVTISNFNKGKKKPQLVPVQEVRLSDKIMDIGSKTLNY VDHRLASEFKDVEATVTEDQNIPAGFMGLDIGPKTEAL
UniRef90_E9B1B3 UniRef90_M5J2U4	I D H S C A K F F K D V F P F I T N N A D I P A F Y M G I D Y G P K S I F Q
UniRef90_Q7VRG3	T DIV RIVIS S E F S E T A Q S I I M K NIVIT E II K D D E QII L IDILIG D N S I I N
UniRef90_UPI00035F45C9 UniRef90_UPI0003FCE5C6	I I D A A L INIVID G N RIVIE A V L IKIL E E DIL IK Y PIL IY DIL IG E K T I I E L STDIJA VIGKA VI EKA EPRRNIVI. I IKDIJA M D D KALIDIVIG D ETILIEN
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UniRef90_S9WDA7	D
UniRef90_G7WNS6 UniRef90_UPI0001D55905	T D VALERDGE RLDVA M D K V P E D L L I A D I G L E T I V D
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UniRef90_S4R2M7 UniRef90_UPI00038026DC	
UniRef90_E1NTI1	VDHVAATEFSNDATHEVVDI DIPDNEMGLDIGPKTVEK
UniRef90_R4UNN4 UniRef90_F7XKZ3	TAYPT DVALNDNEKRIEVDVDELKEQNLPIHDIGLETIVS
UniRef90_Q8TK32	I G L P K D V A L N D N R E R V E V H I S E L N S D S L P I N D I G L E T I V D
UniRef90_W9DSN4 UniRef90_R6B9L9	VDV AFNDGGKRVEAHVSELPDGNLPINDIGLETIVS VTNDG VKDVTNIGNSGIGYDIGPKTINK
UniRef90_E4NTU3 UniRef90_M0F938	V D L A Y E D E A D E R A E L A V E D I D E K D R A Y L D I G T D T V E A A L R L A S D Y E G P D G D R A E V A V D D I D E K T E G Y L D V G P E T V A D V D V V A T D N I K E A K I I K I S P A Q D I P D D L M A V D I G P A T V R L T V R
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UniRef90_UPI0003779B5C	
UniRef90_X1GWU0 UniRef90_UPI000234E591	S DIV V I IA D K F A P D A N S Q A IV I A K K
UniRef90_H8IAP1 UniRef90_J4KT25	CDVAVNKDGK RVEVNVKQLPTDYLISDIGHETIAS EEVVTSKSFEGDSIRTKKIDKLDKDDLILDLCLS NA
UIIIKEIYU_J4K I Z	LE <u>v</u> vii sksfegus <u>ii</u> kikk <u>ii</u> uk <u>l</u> ukuu <u>li L</u> ull <mark>u</mark> lis NA

	330 340 350 360
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UniRef90_V7EI11 UniRef90_M1E8M0	L VKVFEGAKTLI WNGPLGAFEII APFDAATNAAAQAVARLT
UniRef90_Q493F0	LDLLNCAKTI LWNGPLGVFEFPNFRKGTEMISHAI AK
UniRef90_O00869 UniRef90_T0DDF2	Y S S L L R E A K T I L WN G P Q G A F E I E Q F K N G S V S M L N A L V K Q T Y S S L L R E A K T I L WN G P M G I F E N E D Y A K G T F A I A E A L S E S D
UniRef90_A0QHY4 UniRef90_UPI00037C2963	FTALLSNAETI FWNGPMGVFEFPAFAAGTKGLAEALAAAT
UniRef90_R6AQD0	YVETLKKMKTVVWNGPMGVFEMKPFSKGTFT ARAMADLD
UniRef90_U3U5J1 UniRef90_C7DEK3	MANILKKAKTILWNGPVGMFELQNFRKGTESIANALAE VILQIGDLNTLIWNGPLGAFELEPFDTATIACAQLAAQHT FAAALASSATIEWNGPMGVFEMAPFAAGTRAVAQALVDGS
UniRef90_UPI00037B11E4	FAAALASSATI EWNGPMGVFEMAPFAAGTRAVAQALVDGS
UniRef90_R4PM77 UniRef90_B8ZUP2	MESIIIAKARTVIWNGPLGMDELPTFAQASTRLAQLLAGHP FATLLSNASTIEWNGPMGVFEFPAYAAGTRGVAEAIVAVT
UniRef90_G5ZWS5 UniRef90_UPI0002558C97	Y Q E A L A G A R T V L WN G P M G A F E II A P F D R A T V A L A R T V A S A T I G A A F E R A K T L I WN G P L G A F E II A P F N A A T D A A A L K A A A L T
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UniRef90_J0K5N1 UniRef90_C8PZF6	L A S Q L K S A G S I V W N G P V G V F E F A A F E N G T R A I A A A I A E S P L A D A I K N A K T I L W N G P V G V F E V D K F G E G T K I V S E A V A A S E
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UniRef90_A8A956 UniRef90_UPI0003453282	Y G E L M K D A R V V M R G P A G V M E D P R F R E G T R E L V R L A L E L T A L L A K A G T L W N G P V G V F E L D A F G H G T Q A L A Q A L A D S A
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UniRef90_E9B1B3	AKKAVAEARTLI WNGPLGVFEFSHFATGTNAI AQAIKDNQ
UniRef90_M5J2U4 UniRef90_Q7VRG3	Y G E L MK D A R V I V WN G P A G V ME D P R F R E G T R E L V R L A L E L T A L L A K A G T I I WN G P V G V F E L D A F G H G T Q A L A Q A I A D S A L A K L I E R S R V L A WN G P V G V F E Q L P F D Y G S N Y L A K L I A E T S Y A D A I K D A K T V I WN G P M G V F E F E N F N K G T I A V A K A M A D A D A K K A V A E A R T L I WN G P L G V F E F S H F A T G T N A I A Q A I K D N Q I A D I I A K A G T V V WN G P L G V F E F P N F R K G T E M V S N A I A Y D K I I K E A K T I V WN G P A G V F E N K N F L K G T E G I L R S I T E S E I V K V V D K A K T V L WN G T L G V A E I P O F A H G S A R I A L A T H S
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UniRef90_W9DWJ6	I TNI I DDSKTI LWNGPAGYFENPNFAYGSMQI AKKI VENN
UniRef90_A0A022GW09 UniRef90_C9RFQ1	L A R Q L M A A G T
UniRef90_G2LPU1 UniRef90_X7ZU65	IINV L K N A Q T I I W N G P V G V F E F P N F R K G T E M I A K T I A E S A I I S N A K T I E W N G P M G V E F F P A F A T G T R G V A F A I A A A T
UniRef90_K0P1U7	FAGLI LQAKTI LWAGPÜĞLFEWDK <mark>C</mark> AAĞT VALAQAI AKAT
UniRef90_Q3YT76 UniRef90_F8AKF8	YDELI <mark>C</mark> NAKTI VANGP <u>AGV</u> FENKNF <u>LKGTEELL</u> KS <u>MAK</u> _
UniRef90_J9YWA4 UniRef90_Q5FF23	I CSLLENSKTVL WNGPLIGYFENSNFALIGSLEI AKKI VEL I TSLLGKCRTVL WNGPMGMFFKFPFSHGTFSLARLLAFFT
UniRef90_K1WWR4	L A R Q L M A A G T I V W N G P V G V F E F D Q F G N G T R V L A E A I A Y Q E I I K N A K T I V A N G P A G V F E K E A F A K G T E E L L K A I A V I I N V L K N A Q T I I W N G P M G V F E F P N F R K G T E M I A K T I A F S A L L S N A K T I F W N G P M G V F E F P A F A T G T R G V A E A I A A A T F A G L I L Q A K T I L W A G P L G L F E W D K C A A G T V A I A Q A I A K A T V T A T V N K C R T I L W N G P C G M F E K E Q F S K G T F S V A N L L A K L T Y D E L I C N A K T I V A N G P A G V F E N K N F L K G T E E L L K S M A K I C S L L E N S K T V L W N G P M G W F E K E P F S H G T F S I A R L L A E F T F T E A L G N A K T I V W N G P M G W F E L D A F G R G T S A L A H S V F K K I L S T A K R V I L N G P M G W F E E G R F S N G T Y L I M K Q L S E K Y A R R I R E A R T L F A N G P A G V F E N K N F L K G T E E L L K S T A N S K Y A R R I R E A R T L F A N G P A G V F E N K N F L K G T E E L L K S T A N S K Y A R R I R E A R T L F A N G P A G V F E N K N F L K G T E E L L K S T A N S K Y A R R I R E A R T L W N G P M G V F E D P R F E A G T R S V A Q S V A D C R Y S E I K K D A A T V L W N G P M G V F E K K K F S Y G T R K L L E A M A N S K Y K A A V K D A A T V I W N G P L G W F E Q A A F A R G T Q Y I A E A M S K F T D I I K K S K T V F W N G T V G V A E N K D F A T G T N K I D L L V D S D
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UniRef90_UPI00014C1D29	FTDIIKKSKTVEWNGTVGVAENKDFATGTNKI IDIIVDSD
UniRef90_S9WDA7 UniRef90_G7WNS6	YVDVI SKSK <u>SAI</u> WNGPMGVFEMP <mark>C</mark> YSKGTFAVAKAMGDGT FSKRLREAK <u>I VVL</u> NGTAGLFENEKFALGTTELLKAATE
UniRef90_UPI0001D55905 UniRef90 O58965	Y R ET LIMK A RILL VIA N G P M GIVE E R E E E A LIGT VIEWE K A LIA D S P
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UniRef90_B6YWL5 UniRef90_K1YLL7	Y A E KI REAKTI FANGPAGVI E E QQF SIGTEDL LINALA YRDVL MNARVI VANGPMGVFEREEFALGTVGVFRALGESQ FKLI GDSQTI VWNGPLGVAEKPAFENGSLKI AHALAAAR FSKALRNSGSLVFNGPAGVFEEAKFASGTFELLRAAANVD
UniRef90_A2SSW4 UniRef90_J9N906	F S K A L R N S G S L V F N G P A G V F E E A K F A S G T F E L L R A A A N V D
UniRef90_R5MAC7	F A D AVK S A K T V V WN G P M G V F E N P V L A K G T L E V A K A L A E T D
UniRef90_J4WPV8 UniRef90_R9T8F7	TYSILDSAKTILWNGPMGVFENKLFEQGTRDLSETLAKS FTKVIDPAKTVFMSGPAGLIEKEQFTAGTRDLMTAMA FCQAVGRARLIVWNGPMGVFEWNSFEKG
UniRef90_A0A024AH07 UniRef90_D2X5Y9	
UniRef90 P59461	MINI I KKAKTI LWNGPIGVFEFKNFSKGTEQLSKAIA YAQI LKQAKLI VANGPMGVFELEEFAKGTVGVFRAI GESE
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UniRef90_S4R2M7 UniRef90_UPI00038026DC	IKFTLKKSKT LWNGPLGAFEYKPFDYGTNK VELINDVQ
UniRef90_E1NTI1	LQRNLKR <mark>C</mark>
UniRef90_R4UNN4 UniRef90_F7XKZ3	F S R E E K A N T V V L N G P A G V S E V E E F A L G T Q E T K A A T K A
UniRef90_Q8TK32 UniRef90_W9DSN4	Y T N E I I Q N S K T IV V L N G P A G IV S E II E D F A L G T H E II I K A A T K S D F A D E II K A A K T IV V L N G P A G IV S E IV E P F A L G T H E II I K A A T K S D
UniRef90_R6B9L9	F S R E I E K A N T V V L N G P A G V S E V E E F A L G T Q E I I K A A T K A Y T N E I Q N S K T V V L N G P A G V S E I E D F A L G T H E I I K A A I K S D F A D E I K A A K T V V L N G P A G L S E V E P F A L G T H E I I K A A V Q S E Y K E L L I N S K L I L WN G P L G M F E D P K Y E D G T K K V M Q F I Y N Q S Y D P V I R D S E A V F V K G A L G L F E D E R F S E G T V G V L R A I A E T D F N E V I R D C E T I I WN G P M G V Y E D C T I I WN G P M G V Y E Y Y E V I N K S K T V F L N G P M G V Y E Y Y E V I N K S K T V F L N G T Q G V E E D D E R F A T G T R E M Y T M A A N A E S S S S S S S S S S S S S S S S S S
UniRef90_E4NTU3 UniRef90_M0F938	Y D P V K D S E A V F V K G A L G L F E D E R F S E G V G V L R A I A E T D Y E P A I R E S D A V F V K G A L G V F E D E R F A D G T V G V L E A L A E T D
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UniRef90_UPI0003779B5C UniRef90_X1GWU0	Y S E I L R D S G T V I L N G P A G V F E D D T F A T G T R E M Y T A A A N A E Y A A L I A K A G T V V W N G P V G V F E F D A F G M G T E T L A R A L A S A D Y K D C L K R A K T L F W N G P M G V F E L E P F A Q G T M E L A R A L A S A D
UniRef90_UPI000234E591 UniRef90_H8IAP1	ILIA EILIS K K GIVII
UniRef90_J4KT25	FSDIIRHADKVILNGPAGIFESQEFATGTRDILMAATKAR MAELIKNASTILWNGPLGVFENEFFEKGT RDLAVELE

UniRef90 N6XPJ0	370 380 390 400 A Y S I A G G G D T D A D A R F D V G E Q I D Y I S T G G G A F L A F L
UniRef90_U3Q7I5 UniRef90_UPI000225C065	EKGAESILIGGGDSIIASIIPMEN <mark>C</mark> DKKIISVIISTGGGAMIIDSII
UniRef90_V7EI11 UniRef90_M1E8M0	TNGLISVAGGGDTLAGLNKAGVGAQFTYTSTAGGAFLEWL KAGTVSVAGGGDTVAALNAAGAAGDFTFISTAGGAFLEWM SALTVSGGGDTAEVVRMMNLDQHFTHVSTGGGAALKFL SNAFSIVGGGDTLMAIDLFDLSNQISYLSTGGGAFLEFL
UniRef90_Q493F0 UniRef90_O00869	QNGATTII VIGGGDTIVINIL VIGANKANDKILIS H
UniRef90_T0DDF2 UniRef90_A0QHY4 UniRef90_UPI00037C2963	A Y T L V G G G D S V S A V N K S G L A S K M S H V S T G G G A S L E F I G K G A F S V V G G G D S A A A V R A L G I E S G F S H I S T G G G A S L E Y L K N G L I S V A G G G D T L A A L N K A G V T K S F N Y V S T A G G A F L E W L
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UniRef90_C7DEK3 UniRef90_UPI00037B11E4	R D G S V S V A G G G D T L A A L N Q A G A A D F T Y L S T A G G A F L E W M G F S V V G G G D S A A A V R T L G F D E A F G H L S T G G G A S L E Y L
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UniRef90_G5ZWS5 UniRef90_UPI0002558C97 UniRef90_B4E1H9	Q A G L L S V A G G G D T V A A L N H A G V T E Q F S Y V S L A G G A F L E Y L K A G K L S V A G G G D T V A A L N A S G A A A D F T Y I S T A G G A F L E W M S R G C I T I I G G G D T A T C C A K W N T E D K V S H V S T G G G A S L E L L
UniRef90_J3Z442 UniRef90_O77084	NSEAFSI AGGGDT LA ALDLFGLGA QI SYVST GGGA FLKFV NM LSI VGGGET A CAKASK EGITHIST GGGA TLELL
UniRef90_J0K5N1 UniRef90_C8PZF6	ATTVIGGGGSASVVDELGLGLGDKFSH SNAFSVAGGGDTLAAIDLFNLKDKLSYICTGGGAFLKFL RDGSVSVAGGGDTLAALNQAGAAADFTYISTAGGAFLEWM GFSVVGGG DSAAAVRTLGFDEAFGHISTGGGASLEYL DI TSIVGGGDTADFVLHWHHGESFSHVSTGGGASLELM GKGAFSVVGGGDSAAANRALSLEGSVSHLSTGGGASLELM QAGLLSVAGGGDTVAALNHAGVTEQFSYVVSLAGGAFLEYL KAGKLSVAGGGDTVAALNHAGVTEQFSYVVSLAGGAFLEWM SRGCITIIGGGDTATCCAKWNTEDKVSHVSTGGGAFLEWM SRGCITIIIGGGDTAATCCAKWNTEDKVSHVSTGGGAFLEWM NSEAFSIAGGGDTLAAIDLFGLGAQISYVSTGGGAFLELVL NM LSIVGGGGTAACAKASK EGITHISTGGGAFLEVL GFSIAGGGDTLAAIDLFGLGAQVGYLSTGGGAFLELVL GFSIAGGGDTLAAIAKYGIEKQVGYLSTGGGAFLEVL
UniRef90_UPI000478F0EF UniRef90_Q1QCY9 UniRef90_Q4FN33	SRGALTVVGGGDSAAAVRSLGFTDQFGHISTGGGASLEYL NSQGFSIAGGGDTLAAIDKYQVADGVSYMSTGGGAFLEFV KNNTYSVAGGGD <u>TV</u> SLLNGIGATNN <u>F</u> NFVSTAGGAFLEYL
UniRef90_A8A956 UniRef90_UPI0003453282	S G A F T I F G G G H L T A V K E L G M E D K V G H S T G G G A L L S F L G F S I A G G G D T L A A I A K Y G V S E Q I G Y I S T G G G A F L E F L
UniRef90_UPI0003630EE7 UniRef90_R6FTZ1	K Q R L C S V I G G G D T L S A I R P T G L I N S F S Y V S T G G G A F L A W L A T T V L G G G D S A A A V N L L G F G D K M T H L S T G G G A S L F F L
UniRef90_E9B1B3 UniRef90_M5J2U4 UniRef90_Q7VRG3	Q VVSIVGGGETAAATKDYH ECTTHVSTGGGAFLELL GSKAFSIAGGGDTLAAIAQFNIGEDVDYISTGGGASW NSNAFSIAGGGDTLMAIDLFGIANQISYVSTGGGAFLEFI
UniRef90_UPI00035F45C9 UniRef90_UPI0003FCE5C6	G F S V T G G G H L S A A A E V T G V A D Q L D H I S T G G G A C I E F L E L T S I L G G G D T A D F V L D W D A G E S F T H V S T G G G A S L E L M
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UniRef90_X7ZU65 UniRef90_K0P1U7 UniRef90_Q3YT76	A R G A F S V V G G G D S A A A V R A L G L G G S F S H I S T G G G A S L E Y L Q Q G A Y S I V G G G D T A A A I K Q L G Y E N H V S Y I S T G G G A L L A Y I K A G K L S I V G G G D S I C A I K L S G L S D D F T Y I S T G G G A L L H F L L
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UniRef90_Q5FF23 UniRef90_K1WWR4	
UniRef90_R6M0R9 UniRef90_P62423 UniRef90_O27121	A K T I V G G G D T A A A V N K L G F E K K F Y H V S T G G G A T M K Y L G F S V I G G G H L S A A A E V V G L A G K M D H I S T G G G A C I E F L S S E G F S I I G G G H L A A A A V K M G F E D S I N H I S S G G G A S I S L L
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UniRef90_UPI00016C5282 UniRef90_UPI00014C1D29	CNSILVIGGGDTILIA AILIRNYGILTEEFTHASTGGGSCILIEILLI
UniRef90_S9WDA7 UniRef90_G7WNS6 UniRef90_UPI0001D55905	K S GL LSI I G G G D S A S A A E L S G E S G R M S H V S T G G G A S L E L L S A F S L A G G G H T S A A L E E L G L E S K F S H V S T G G G A S L S Y L
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UniRef90_B6YWL5 UniRef90_K1YLL7 UniRef90_A2SSW4	A F S V V G G G H S
UniRef90_J9N906 UniRef90_R5MAC7	A T TITIG G G D S A A AVN QLIG F G D K M T HIS T G G G A SILE F LI
UniRef90_J4WPV8 UniRef90_R9T8F7	SAFSIĀĞĞĞETÜSALNKYÜNTDDVSY <mark>C</mark> STĞĞĞA <u>FL</u> EFM HSDAYTLLGĞĞHTVGAAERFĞMSERFSYVSTAĞĞALETFL
UniRef90_A0A024AH07 UniRef90_D2X5Y9 UniRef90_P59461	S S D A F S A G G G D T L S V V E M F K V Q N N I S Y L S T G G G S F L K F L
UniRef90_W0I7A8 UniRef90_UPI000367688B	AFSVVGGGHSIASIIYKYNIQ GISHISTGGGAMLAFF NGFSIAGGGETLSAINKFINKDDVSYCSTGGGAFLEFM FSVVGGGHTAAVIEKMGLESAFTHISTGGGACIEFL
UniRef90_J0SBB5 UniRef90_Q465L1	F S V V G G G H T A A V I E K M G L E S A F T H I S T G G G A C I E F L Y S V A G G G H T L D A L D Q L G L G S K F S H L S M G G G A S L T Y L
UniRef90_S4R2M7 UniRef90_UPI00038026DC UniRef90_E1NTI1	K L K L T T L A G G G D T L A A L K K N K A E E Y F N Y L S N A G G A F L E W L
UniRef90_R4UNN4 UniRef90_F7XKZ3	KYŞNAGGG <mark>H</mark> NA <u>A</u> EVRN <u>YGY</u> QDLFSHLSTGGGA <mark>C</mark> NDYL
UniRef90_Q8TK32 UniRef90_W9DSN4	F S I L G G G H I I S V E V A H L G L E H R F S H I S T G G G A C I D Y L Y S I A G G G H I S A E V R N L G Y D E K F S H L S T G G G A C I D Y L
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UniRef90_C5F0E2 UniRef90_R5W8L2	S G A A V I A G G G D C V S A II T N F G Y R D S Y T Y L S T G G G A T L E Y I
UniRef90_E7QQ16 UniRef90_UPI0003779B5C	
UniRef90_X1GWU0 UniRef90_UPI000234E591 UniRef90_H8IAP1	A F S I A G G G D T L A A V B K Y G I E K D V S Y I S T G G G A F L E F L A Y T V V V G G G D S L A A V B K X G V R E K I N H L S T G G G A S L E F L T I I G G G D S V A A V E K V G V A D V M S H I S T G G G A S L E L F S V V G G G H S A A A V E E M G I G D K I T H L S T G G G A A I D F L K A S A Y T V A G G G E T L A A I S K F L N K D G V S Y S S T G G G A F L E F M
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UniRef90_W9DSN4	A G A K L P G I E A L K
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UniRef90_E7QQ16 UniRef90_UPI0003779B5C	T G D E L P A L Q A L S Q E G K E L P A V A A L R A R
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UniRef90_D2RGJ5 UniRef90_O29119	TLDDVDYDGKSVLVRVDINAPIVNSTILDTTRFE
UniRef90_V4HEV7 UniRef90_R4UWU9	PSFQTLDDL ASGRRVLARLDLNSPVEDGAVRDNRRFS ALAKKLTLGDLQLKDKRVLIRVDFNVPFDKGKISSCNRIT
UniRef90_M4C6Y2 UniRef90_M0D6P6	MTKLSI K DV DVTN K RV L I RV D F NV P F Q D G S I S N T Q R I D M S T F K T L D D L D S D Q R V L V R L D L N S P V E G G E V Q D N R R F E
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UniRef90_D3QZL5 UniRef90_U1NHA0	N
UniRef90_F3R8K9 UniRef90_J8ZZD1 UniRef90_S9SAW2	MKKKS LR DUNLE GKRVFLRTDY NVPLS NGTLE DDFRL
UniRef90_S9SAW2 UniRef90_B8DUH2 UniRef90_UPI000359E72E	TVITWO O A SIIK GEKVIIII DIIDVID TVID CVVID TOVID
UniRef90_UPI000359E72E UniRef90_UPI000359E72E UniRef90_A8W7H1	T V L T V Q Q A S L K G E K V L I L L D L D V P T V D G V V L D T D K I E T V L T V Q Q A S L K G E K V L I L L D L D V P T V D G V V L D T D K I E
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UniRef90_B8C5I9 UniRef90_UPI0003798A27	E R T M D D E D E E G K II VI I R T D M N II P II D P N M P S D II T R M K
UniRef90_Q5UZX1 UniRef90_L0AAN1	MTFQTÜDDLD DGQRVLVRLDENSPVEDGTVQDNRRFD NLATIEDVDLTNKKVLLRVDMNSPIKDNVIMDTSRIR KKTVRDVEVEGKRLFLRVDFNVPLNTGVISDDSRIQ
UniRef90_X1NTM6 UniRef90_F7HUJ6	KKTVRDVEVEGKRŮFLRŮDFNVPLNTGVISDOSRLQ
UniRef90_B7FL07 UniRef90_L8TSS9	
UniRef90_A3RH12 UniRef90_UPI0003F131FF	SLSNKLTLEKLDVKGKRVVMRVDFNVPMKNNQITNNQRIK
UniRef90_X8FEX9 UniRef90_Q6KYV3	L VRSDLNVPLDNGVI T DAGRIT SFFTMDDFDLDGKRIYLRIDI NSPVNPGEI LDDSRFR
UniRef90_M0CRY0 UniRef90_F4GJ34	MTTFRPII ID NII IDP GORII I VIRII IDIVIN A AIVIFDGTIVIODS RRFA
UniRef90_Q9YFS7 UniRef90_X1I088	T L D D F D F S G R T V L F R P D I N S P L D P K R I A N I N R L E T L D D V R G K K V I V R F D L N S P V N G G E I L D D S R I A
UniRef90_A4WIW3 UniRef90_F2KQI7	K G K K L I I R I D I N S P I I N G K I I D D Y R I R T L D D V E Y D G K S I L I R L D V N S P M V N S T I L D T T R F E
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UniRef90_K1ZL77 UniRef90_U6MBZ5	K F L K D T L K D Q N I L M R L N F D V P L N N G E V L D D N R L K F K G K K V L V R G D L N V A V L E Y K L T D D T R M R
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UniRef90_W1EMW5 UniRef90_K2BRD4	MSKFRTVDSVSLSGKTALLRUDIDIJENGRILDDTRLQ
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UniRef90_T1BHY9 UniRef90_A0A015V0C7	MRKRSLREVEVGGRTVLLRVDHNVPLDQGRVADDRRMV QTIDNFNFAGKKAFVRVDFNVPLDENFITDDTRIR
UniRef90_C4VAU6 UniRef90_W1GIF4	R S L N E A V L K N N N V F L K M D Y N V G L D K G R V L N D Y K L K
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UniRef90_T0Z339 UniRef90_I4DR59 UniRef90_V4Y8J2	LTLD DLP_A GRRLL VRLDLNTAVENGHVRENRRFA
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UniRef90_W6KFN9 UniRef90_L1NV12 UniRef90_X1PUL9	MAFLKLT DQNVSGKTVLIRADMNVPFKDGKISDDTRIR
UniRef90_X1F0L9 UniRef90_J9YZH4 UniRef90_X0TM19	K NLN QIN F Q N K NVGIRVD F NVP T D D F QVT D N T R L L R I R
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JIIII\GI3U_A IALG3	wii wik kilile dilidiyik wik kiy <u>L</u> vik <u>V</u> ID i NIV P L D S E N <u>V</u> IA D D I R I R

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UniRef90_F4BY73 UniRef90_K2EBF9 UniRef90_E6NBF2 UniRef90_UPl0003736143	SHLDTLRALEDC RVVLMAHQSR AGKKDYTTMEAHA ACQETVDFILSQEGTKLAVCSHLGRPNGKVNPEFSLSQLR ESSFTVRHL NGAKIVLGSHQGRVGRYDYV SLNIHA AHSVTIRELIDKKAGVVIISHQGRPGD DDFISLEEHA
UniRef90_UPI00037C179B UniRef90_L0IBM2 UniRef90_M0N7N6	K S L E L I D K I Y D Y S R S I T F V S H L G R P K A N D V D N S L R P L A H V G T I S S L L E R N A R V A L L A H Q G R P G G D S F T T L E P H A A H V E T L S E L L E R G A R V A I L A H Q G R P G D D D F S T L A A H A
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UniRef90_D3QZL5 UniRef90_U1NHA0 UniRef90_F3R8K9	K S C P T L V H L L R Q G A K V A I L A H Q G D T L D Y Q N L I E L S E H A R H A Q T V Q E L S D A G Y H V I L L A H Q G R P G D D D F V S L E G H A A A L P T L K Y V L E N G G K A L L E S H L G R V K T E F D K A G K S L K P V A
UniRef90_J8ZZD1 UniRef90_S9SAW2 UniRef90_B8DUH2	L L A H F D R P K G K V V P G M S L R Q L L
UniRef90_UPI000359E72E UniRef90_UPI000359E72E UniRef90_A8W7H1 UniRef90_D3T177	DALPTIRYVLEKEPMCVILAGYRGHPKGYKNAYLSMKPLVDALPTIRYVLEKEPMCVILAGYRGHPKGYKNAYLSMKPLVRHAETVQELLADDHAIALLAHQGRPGRDTFVSLDQHA
UniRef90_V6AQE0 UniRef90_B8C5I9 UniRef90_UPI0003798A27	ET ET INALKOS KVVVASHQGRV GNKDY I GMEQHA RQYYGFEDELSLKPVA VAFTTITFILVRGARVVLLTHQGRPGD ADFTTTDIHA
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UniRef90_UPI0003F131FF UniRef90_X8FEX9 UniRef90_Q6KYV3	A A I P S I K F R L D N G A K S V V L M S H L G R P D G V P M D K Y S L E P V A A S V P T L K A L L D G G A K V V V A A H F G R P K D G P D P K L S L E P V A A Y S K T I N E L K S S K V V I V S H Q S R P G K N D F T S L M G H A
UniRef90_M0CRY0 UniRef90_F4GJ34 UniRef90_Q9YFS7 UniRef90_X11088	RHAETI RELLANDHAI AVLAHQGRPGE DTFVSLAEHA KAALTLRELLEKGAKVALI AHQGDTLD YQNLIPLEEHA EAAGTLRELCDRGAAVVALSHQGRPLESDFV SLERHA
UniRef90_A4WIW3 UniRef90_F2KQI7 UniRef90_UPI00035E3B87	A H S Y T L R L A S D A G A R T V V L A H Q G R P S H V P T L E E L E N T K L V V L A H Q S R P G K K D F T T L E S H A
UniRef90_G8QZ20 UniRef90_K1SBK3 UniRef90_W7L7S1 UniRef90_G3WZR6	KAAPTLKALLVRGAKVALIAHQGDTLD YQNLIPLSEHA AYNTTIKELVQRGNSVVLISHQGRPGD DDFVSLREHA DANPSUNYYUDNGAKSUVMMDHGOPDGUPPDKYSLESMA
UniRef90_X1IRJ4 UniRef90_W7VMX2 UniRef90_R6R4U7	DALPSI NYYL DNGAKSI VMMDHLGQPDGIPPDKYSLESMA ASLPTINYL VEHKAKVI LCSHLGRPKGRVAEELRMAPVA
UniRef90_K7AFS6 UniRef90_Q4J939 UniRef90_K1ZL77	A S I P T I K F L L E K G A K V I L L A S H L G R P K G V T P K F S L K P L V A H S I T I K E L L K K G N S I V L I S H Q G R P G D D D F I S L K E H S A A I L S I K N I I G N G A Q R L I L L S H A G R P V I R S R E K L E M K P M A A L E P T L R Y L L D A G A S V L L L S H F K D P K L P Q Q Q Q R Y S L K F L Q
UniRef90_U6MBZ5 UniRef90_W2V212 UniRef90_E8R9H2 UniRef90_W1EMW5	R S L Q T I R F L S N R G A K V V L L T H F G K P K A R Y E Q S L S L K R I V F L K K M L E D Y Q P A L V L A S H Q G R P G D D D F T T M E K H A
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UniRef90_W6KFN9 UniRef90_L1NV12 UniRef90_X1PUL9 UniRef90_J9YZH4	E Q E F S L R L V G A S L A S L R Y C L D N G A A V I V M T H L G R P T E G E F H P E D D V A P V A R A K D T L D F V L K N E C K I L L L S H F G R P K E M F D E K F S F T N L I
UniRef90_X0TM19 UniRef90_T2SBD4 UniRef90_I1QUX9	RAKDTIDFVLKNE <mark>C</mark> K ILLLSHFGRPKEMFDEKFSFTNLIAALPTIEYLREREARLILL©SHLGRPKGVNDS LRLAPVAESLPTIQYCIDNKAKDIILVSHLGRPKGV EEKLSLKPFLRTVSTIKYLHKAGAKVLLVTSWTPVLQSVYPVLKSTETFA
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UniRef90_C4VAU6 UniRef90_W1GIF4 UniRef90_X1GW35 UniRef90_K1Z064	RFYPEEQKNLHTN RFNKGEK RFYSE RFYKGEES	E E E N D L E F A R E L S L G D I F V N N E E E N N L Q Y A R Q L A G N G N I Y V N M S K K M A A L C D V Y V M E E A N D P A F V S E L A R L G E L F V E V K E S Q K E F T K K L A S Y A D C Y V N T L S D F F K K Y Y V D I L I V K K D D E E S K K Y A A L C D V F V M E E K N N P E F A N S L A K S A D I F V N N D L K F A K Q L S Q L A D A F V L
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UniRef90_X1PUL9 UniRef90_J9YZH4 UniRef90_X0TM19 UniRef90_T2SBD4 UniRef90_I1QUX9 UniRef90_X1DW75 UniRef90_X1ALG5	RFFEG RFNPE RFLKG FNFKGEN RFDPG	E K K N D E S F S Q S I T N E L D L F I N E E A N D P D F A WT L A S L A E V Y V N E E E N D E N L A K D L A S L C D V F V N A N C N D F S Q K L A S G A A I F V N E K A N S S E F S K S L A S L A D I Y V D E K A N S S E F S K S L A S L A D I Y V D

UniRef90 R7HIH6	170 180 190 200 D A F A <u>S L H R V H</u> A S V A G I N Y <u>L P T Y Y G F L V K E E I I S N L N P L I D N</u>
UniRef90_D4G827 UniRef90_Q2NEK0	D A E C V
UniRef90_Q8TUU1 UniRef90_D3SSN2	DAFATAHRSQTSLIGFKVLPSLAGRVMELELKTLYGILDN DAFAAAHRSNASLVGFRRLPSCVGRVMEREIEVLETMVRD DAFAAAHRSNASLVGFRRLPSCVGRVMEREIEVLETMVRD DAFAAAHRSQPSLVGFPVLPGYAGRVMESELDVLGSLEV DAFAVSHRSHCSVVGFTVLPSLAGLLMDKEITALDKGLKG EAFSVCHRDQASVTGTKFLPGFAGFWLQKEIENLNNVFSQ
UniRef90_F4BY73 UniRef90_K2EBF9	D A F A IV S H R S H C S IV V G F T V L P S L A G L L M D K E I T A L D K G L K G E A F S V C H R D Q A S V T G T K F L P G F A G F W L Q K E I E N L N N V F S Q D A F P T A H R A H P S I V G F E V L P T C A G Y L V A R E L K S L N R V M M T
UniRef90_E6NBF2 UniRef90_UPI0003736143 UniRef90_UPI00037C179B	DAFPTAHRAHPSI VGFEVLPTCAGYLVARELKSLNRVMMT DAFATAHRSQPSLVGFPLLPSAAGRVMEKEISALSKIFNE DAFGASHRQHASVVSFNFLNSYQGPLMNKEISELDKLLNN
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UniRef90_Q84JX6 UniRef90_R6H5A1	DAFGIAHRAHASIVIKYLKPAVAGFLMQKELDYLVGAVAN DAFGTSHRKHASNYGUKYLDS <mark>C</mark> YGULFYKELEGUKPVLDN
UniRef90_U4UTQ4 UniRef90_P25055	DAFGTAHRAHSSMLGEGFQQRASGFLLKKELAYFAKALDN DAFGTAHRDSASLTGLPLQQGAAGYLMEKELSYFSKVLNN
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UniRef90_M0D6P6 UniRef90_E0S751	DAYSAAHRSHASL VGFPL LPAYAGRVMQEYEANSAMATRE DAFG <mark>C</mark> LHRK <mark>C</mark> GSI QRTGLP SYSGL L VQKEL <u>VSA</u> REI <u>M</u> RE
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UniRef90_F3R8K9 UniRef90_J8ZZD1	1) A E (3 A H R A H A S NIVI(3 1 (3 P 1 V A (3 E 1 N) E K E 1 K E 1 (3 E A V E N
UniRef90_S9SAW2 UniRef90_B8DUH2	D A F S A A H R A H A S T E A A H R L P S C A G L L M A E E L A A L D R A L G H D G F G V V H R A O G S D Y D V A A D P A A A G L I V F K F V N A L S K A T F D
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UniRef90_Q5UZX1 UniRef90_L0AAN1	DAYSAAHRSHASIL VIGFPIL VIMAYAGRVIME EYEANTALAEKE DAFASAHRSQASILAGFPIL VIMAVAGRVIME DELIKGILSKALI N
UniRef90_X1NTM6 UniRef90_F7HUJ6 UniRef90_B7FL07	DAFASAHRSQASI AGFPLVMAVAGRVMEDEI KGLSKAI NDAFGTAHRAHASTVGI KHLPSVAGFLMEKELKIMGDLLHN MVGVNLPWKAGGFLMKKDRNYFAKALES SVLLTGPHASTEGVTKYLKPSVAGFLLQKELDYLVGAVSSDAFGAVHRKHASVYVATRLPSYLGDLVHTEVEVLRKLTAD
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UniRef90_UPI0003F131FF UniRef90_X8FEX9	D A F G T A H R A H S S M V G V N L P Q K A G G F L M K K E L N Y F A K A L E S D G F G V V H R K Q A S V Y V A T L L P H Y A G R L V A D E I R V L E Q L T S S
UniRef90_Q6KYV3 UniRef90_M0CRY0	DAYSAAHRSHASII VIGFHIVIMDAYAGRIVIMEQEYTAII ITAII IRDS
UniRef90_F4GJ34 UniRef90_Q9YFS7 UniRef90_X1I088	DAFAAAHRN <mark>C</mark> PSMVAFQLLPTSGGRQLIAEYTALSK <u>VTAH</u> EAFSASHRSQASIVGFYVLPSAGGRVLEKEIRSLNRAVSS AFGTAHRAHGSVSGITKFYRAMGFLMEKEIKWLG <u>Y</u> SAEN
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UniRef90_R6R4U7 UniRef90_K7AFS6	$N(\exists (\exists \Delta \sqcup \Delta \sqcup \Delta \sqcup))$
UniRef90_Q4J939 UniRef90_K1ZL77 UniRef90_U6MBZ5	DAFGTAHRAHASTVTKFLRPSVAGFLMQKELDYLVGAVANDSFSAAHRSQPSLVGFPLLPSAAGIVMEKEVSALSKIFNYDDFATAHHASCSVEISKLLPSYAGLLVEKEIEQLTKLMLDDAFGAIHRMHASMEATPKAAKQQNIHVSDVHVDFRSAVSS
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UniRef90_W1EMW5 UniRef90_K2BRD4	DAFGTAHRAQASTHGIFADVACAGPLLAAELDALGKALKE DAFAVSHREHASIVGTKYLPSYAGLHLEREIEVLSNVLKN
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UniRef90_11BH19 UniRef90_A0A015V0C7 UniRef90_C4VAU6	DAFGTAHRAHASTAYFDTNNKMFGYLMEKEVKAVDKILND DAFGVLHREEYSTC LTGKTPFAGNLVRNEYIIIGKELND
UniRef90_W1GIF4 UniRef90_X1GW35	DAFGTAHRAQASTHGI FADVACAGPLLAAEL DALGKAL KE DAFGTAHRAHASTVGVRLLPACAGFLMAKEI EVLS NLLEN
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UniRef90_W6KFN9 UniRef90_L1NV12	DAFTL VQSEAASITGIPMGHGVAGYFMDKEISYWIQLLNK DAFGTAHRAQASTVATAAPLACAGVLMAGELDALGKALKN NYLPAVAGLLLEKEVETLGHILES EAFSASHRSHASVNQMAKNISAPGLNFLKEVTAINDIKNS DAFGTAHRAHASTAGVAALPAVAGFLMEKELTFLGKALAS DAFGTSHRKHASTYGKFAPIKVSGFLLKKEIDSFYQAFNH
UniRef90_X1PUL9 UniRef90_J9YZH4	NYLPAVAGL LLEKEVETLGHTLES EAFSASHRSHASVNQMAKNISAPGLNFLKEVTALNDLKNS
UniRef90_X0TM19 UniRef90_T2SBD4 UniRef90_I1QUX9	E A F S A S H R S H A S V N Q M A K N I S A P G L N F L K E V T A I N D I K N S D A F G T A H R A H A S T A G V A A L P A V A G F L M E K E L T F L G K A L A S D A F G T S H R K H A S T Y G K F A P I K V S G F L L K K E I D S F Y Q A F N H D S F S L S H K M L A S T V G I T R F C H A S G F H F E E E L M Q L R K I T D T D A F G A A H R V H A S V A G T K Y L P A V A G F L M K K E I E I L T S L L E S D A F G A A H R V H A S V A G T K Y L P A V A G F L M K K E I E I L T S L L E S
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UniDefOO DZUUJE	210 220 230 240 [QRPYTVFMGGAK V DDK L QY KG L DK CDY LLV GGG ANS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | P | L | M | L | N | N | S | N | S | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | C | N | 
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FLKC FGKEIGESYYEFLA AQGAQIGRSLHEFLK AKGYEVGTSLLE
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AQGAQIGRSL<mark>H</mark>EPDLAGRALAILE
AKGYEVGTSLLEEDMIDQVKGYIE
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E A K E K G C N L V L
T A D K N G V E L V L
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LGTSLCESDKVELAKDLMAKAKEKGVNFLIF
                                                                                                                                                                                                                                                           LFAVAKGINLGKKNMQVLENKGLLSLVPRARKMFLAS RNIDLAQSIVEKDRID
FLK ARGAQLGASIVEDSQLDTCKEIEGLASARIMRQKGINIGKSLYEN
LFLAAKGVNIGTENMKILEEKGLLPLVPRARYRFVA AQGHNVGKSLYEADLVDEAKRL
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AMGLETGKSLVE
ETKGMAIGNSLYD
ARGHPVGHDDLFD
VAIENNVGKSLYE
AQGHPTGATKCD
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AKSYEVGQSLIE
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EVARE MMEKSRTKNVKFYLP
OGEGAKI VGKLLEKAAKNNVKVHLP
OAAWAETGAELERVLDANGDQVSTP
EPDFVDAAK
OEEI VRRARKVLKTAHERKVNVHLP
EHDLVEESKKIMAKMAKGGSVPLP
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EEEHVEPARRI MERASHRGLTLLLP
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UniRef90_K2BRD4 UniRef90_V5RT37	V L I K V Q H E K T A G K K S T E W K E E I P F	SAVLVS C	OSTKOGFOLTPHSIEN PENK _ DIGKQTIAK
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UniRef90_T0Z339 UniRef90_I4DR59	MDCVVAFSRFSNAP1	KII VIP YOFII IF	PPGWTALDI GPASVAL PDGWMGLDVGPKSRQL KAVAYRDVGTETUMT
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UniRef90_X1PUL9 UniRef90_J9YZH4 UniRef90_X0TM19	T D V V L N D G Q S F S S D V I V S D R F E A D A R F	II ID RILIS D (QNQFSILDLSNHSIEV
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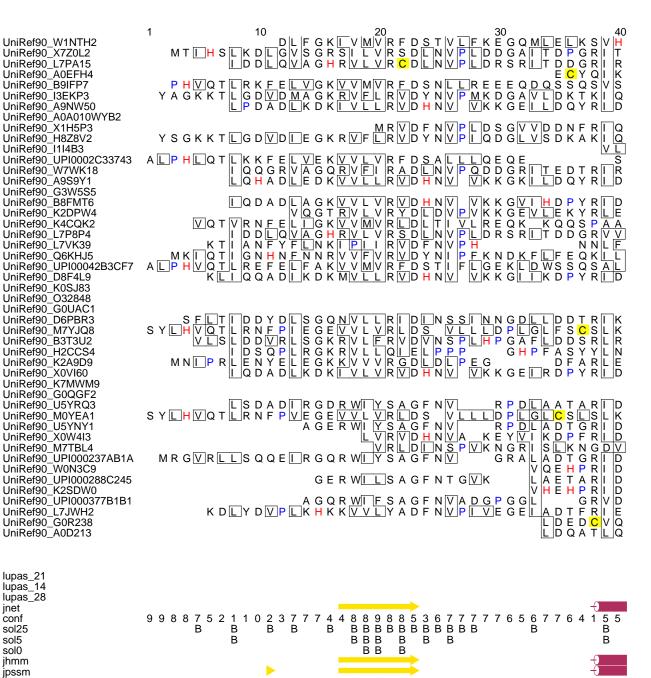
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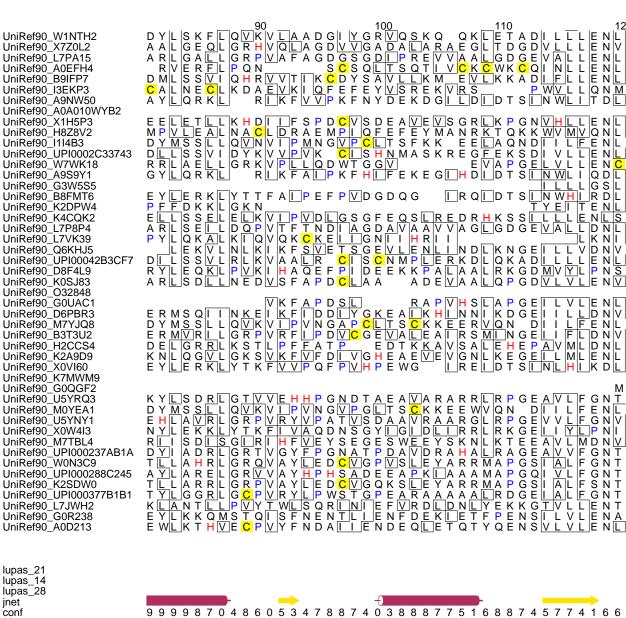


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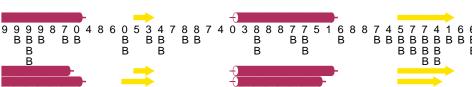
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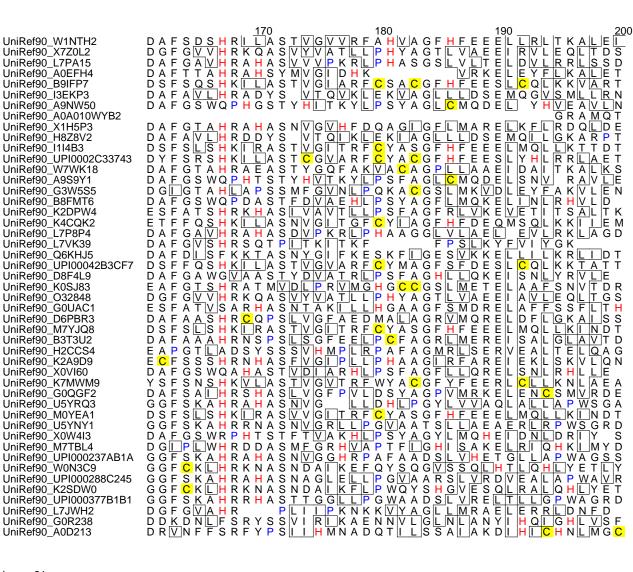
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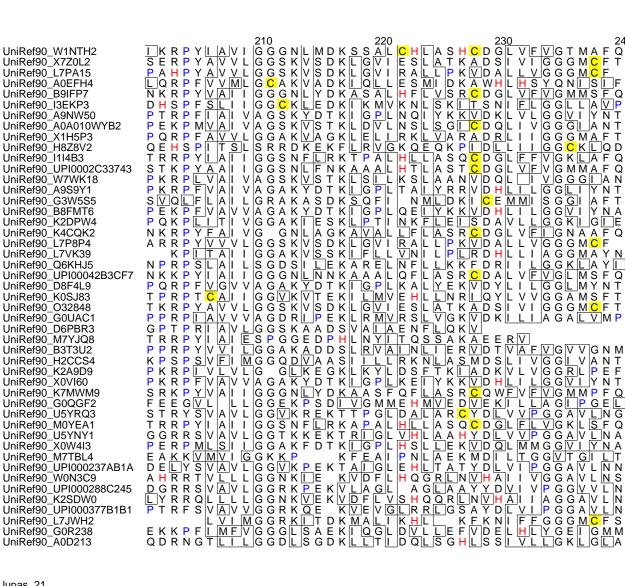
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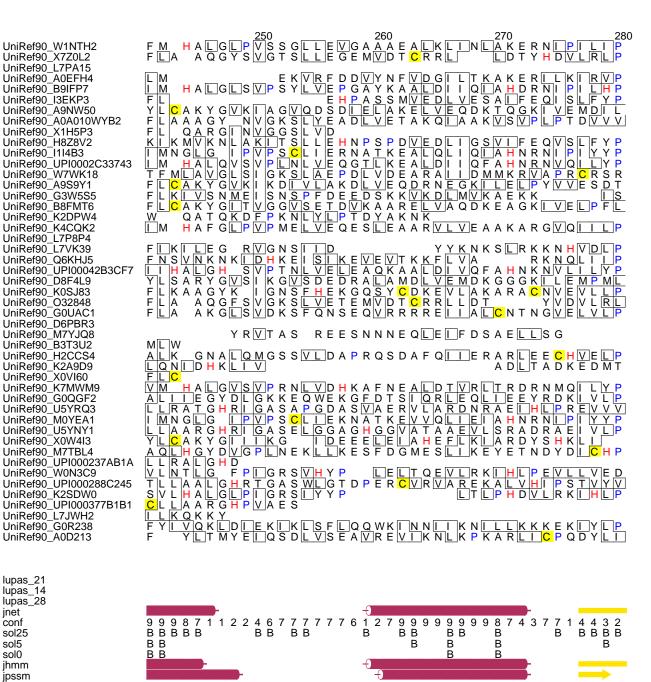
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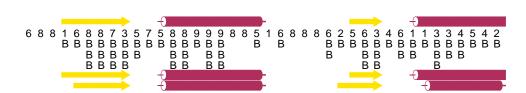
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