V		1 10 20 30 40
Interest	QUERY	TYTTRQIGAKNTLEYKVYIEKDGKPVSAFHDIPLYADKED
Interest		TYTTRKVGAPNTLEHRIJFIJEKDGVPVSPFHDIJPLYANEQK
Interest	UniRef90_S9PRL7	Y S T R Q V G A L N T L D Y Q L Y L E K N G S P V S A W H D V P L Y A N A E K
Interest Dispose	UniRef90_UPI0001CBA0E2	SYTH VIERGAPNSILIDYRII IFFKGPNGII VISPFHDII IPILIHADAEK
Interest Dispose		VYTARQII GAKNTI I DYKVIYVE ODGKPI I SPEHDI PI IYADAGK
Interest	UniRef90_T5A3Z6	SYSERKVGAENTLEHRVYIEKDGQPISPFHDIPLYANQEQ
Interest	UniRef90_G4TGG9	VYSTRPVGPANTLEYRVFVEQNGQVVSPFHDIPLFADRNN
Hindle H	UniRef90_ISKGF0	S Y SIVIR KII IG Q P N T IL ID F R A YIVIE K D GIVIPIVIS P F H DII IPIL IY A N E Q K
V	UniRef90_F4RQR7	H T T RIL I IG A P N T IL IE H R IV IY II IE S N G K A II IS A F H D II IP IL IF A N E E R
Interest		VOTEERGRPNTII DVRII VEKSEGKVII SPEHDII IPII IEKNENE
Interest DAMMED	UniRef90_H3BBG9	S Y S T E E R G S S N T L S Y R L F I K N A G K Y V S P F H D I P L Y A D E A K
Interest	UniRef90_D4AWD2	A Y T V R N V G A L N T L D W R A Y I E K D G V P I S P F H D I P L Y A N E Q K
Images Dipolog Dipol	UniRef90_Q4KJE1 UniRef90_M5ENH3	QTRVIGAPNTLDYRVILLESKGQPLSAFHDVPLYADEAN
Minked 1.00	UniRef90_B7P6R8	AFSTVERGSPNSLDYRVYFRQGGKYISPFHDIPMFADPAK
Jankengo G3PZZ1 JANken		SFAPRYII GAANTILE HRVIFILE HNGIPVSAWHDII PILIFAD QNQ
Jankengo G3PZZ1 JANken	UniRef90_K1X233	Y S V R K V A A P N T L E H R I F T E K D G V P I S P F H D I P L Y A N E Q Q
JAIRGERO GANCLI A THE ER GR B N N R D H R L Y F K N E G K Y I S P F H D I P L Y A N D A K I S G JAIRGERO JAIRG	UniRef90_G3PZZ1	Y Q T E A R G R P G S P D Y R IV IY F K T E G K Y II IS P F H D II IS IL IK K N E S E
JAMERSON DESIGN JAMERSON DIRECTION JAMERSON D		SVITTEERGRPNTRDHRILIYFKNEGKYII SPFHDII PILIYANESG
JAIRGREGO MYSWEZS JAIRGREGO MYS	UniRef90_E9BWT1	A Y T A V E S G S P Y S D K Y R V E I K N E G K V I S P E H D I P I Y A N A E K
JAIRGREGO MYSWEZS JAIRGREGO MYS	UniRef90_Q17G60 UniRef90_W5MC75	Y I I V E R G A P N S I D Y R V F I K E D G Q S V S P L H D I P L Y A N D A K S E T I F E R G N P N T I S Y R V E I K D S G K Y I S P E H D I D I V A N E T O
Julica How MMM Julica Ho	UniRef90_W9W2E3	TYTILIHKHGSPRTSEFRIVIFFKKDGII IPII ISPFHDII IPILIHADMEK
Interest	UniRef90_H0WMM1	V P T E E P C O P C S O D V P I E E K N A C H V I S P E H D I D I K V D S C E
Interest	UniRef90_F1QDB6 UniRef90_R7UU43	SYTAVEKGELNSLDYRIIYFKNSGVAIISPFHDIIPLKVAGKF
Interest	UniRef90_U5ES97	Y Q T V E R G V K N S L D Y R V F F K N N G V P I S P L H D I P L H A N E A K
Junkergo		A Y S V I E R G S P F T C D Y R V Y I K D Q N G P I S P L H D I P L V A D E N K
Junkergo	UniRef90_T2MDH1	SYTCQHHGSAYTSDYRLFLRNEAGLI SPFHDI PLLVQGEN
Jinkergo UP10003336C28		Y CTEERGQPHSSDYRVFFKNAGHYIISPFHDII PILIRNDDYE
Jinkergo Jin	UniRef90_UPI000339D1CF	R T E E R G R IL IG S Q D F R IV IF F K N A G H Y II IS P F H D II IP IL IK IV ID A E K
Jinkel90	UniRef90_J9K1H7	T Y QII
Jinkel90		S F S V E E R G N P N S L K Y R L F F R N E G K H I S P F H D I P M F A D E S Q V S T V E K G C L V T N D Y R L V E N N K D G P L S P F H D L P L V A N S S K
JniRe90 B3RW07 JniRe90 F7CY62 JniRe90 F1CY62 JniRe90 F1CY62 JniRe90 F1CY62 JniRe90 F1CY62 JniRe90 F1CY62 JniRe90 F8C	UniRef90_E3MLZ4	A Y Q A [
JAINGERGO FTCY62 JAINGERGO FTCY62 JAINGERGO WZTAJ3 JAINGERGO WZTAJA JAINGE		K G Q Y II S P F H DII PII Y A A K
JAINERGOU	UniRef90_F7CY62	Y S E E R A A P Y S L E Y R L F L K N K G E Y I S P F H D I P I Q A A E
Jinker90 -F6RT10 Jinker90 - JP100034F6D51 Jinker90 - JP100034D66 Jinker90 - JP100034D67 Jinker90 - JP10004D67 Jinker90 -	UniRef90_F1L719	Y S V E E K G S L Y T T D Y R V F F K G P N G Y I S P W H D I P L F A D E A K
JAIRGE90_T1PFP3 JAIRGE90_W1910034F6D51 JAIRGE90_K1910034F6D51 JAIRGE90_K19100034F6D51 JAIRGE90_K1910034F6D51 JAIRGE90_K19100034F6D51 JAIRGE90_K19100034F6D51 JAIRGE90_K19100034F6D51 JAIRGE90_K19100034F6D51 JAIRGE90_K19100034F6D51 JAIRGE90_K19100034F6D51 JAIRGE90_K19100034F6D51 JAIRGE90_K19100004F600051 JAIRGE90_K19100004F60		N E K G Q Y II S P F H DII PII Y A D K
Jinkef90_ WX619 Jinkef90_ E2QRM6 Jinkef90_ E2QRM6 Jinkef90_ E2QRM6 Jinkef90_ E4XXJ8 JINKef9	UniRef90_T1PFP3	Y QIL VIE K G A P N S T N Y S IL IY F K T A G K G IV IS P IL IH D IL IP IL IY A N F F K
Jinkef90_ WX619 Jinkef90_ E2QRM6 Jinkef90_ E2QRM6 Jinkef90_ E2QRM6 Jinkef90_ E4XXJ8 JINKef9		Y F A VI F R G S P Y T T D Y R VI Y F R N A S G P I S P II H DI P I I Y A D A S K
Jinkergo_E2QRM6 Jinkergo_E4XXJ8 Jinkergo_E4XXJ8 Jinkergo_E4XXJ8 Jinkergo_E4XXJ8 Jinkergo_E4XXJ8 Jinkergo_E4XXJ8 Jinkergo_E4XXB Jinkergo_E1XXB Jinkergo_E4XXB Jinkergo_E4XB JINKer	UniRef90_K7F800	G Q Y I S P F H D I P M H P D A S K
Jinker90_LP1000392DAF6 Jinker90_LP1000392DAF6 Jinker90_LP100032DAF6 Jinker90_LP100032DAF6 Jinker90_LP10003EDAF6 Jinker90_LP100003EDAF6 Jinker9		SYTTVERGALNGTDYRVYVENDGVPIISPMHDVPILFANEDN
JAIRE690_E4XXJ8 JAIRE690_E4XXJ8 JAIRE690_E4XXJ8 JAIRE690_E4XXJ8 JAIRE690_E4XBA JA	UniRef90_UPI000392DAF6	F E N A D G K Y S P F H D I P L F A G S K E
JniRef90_66	UniRef90_E4XXJ8	S F S T V F R G A E N T L E F R I F Y K N D G Q L I S P F H D I P A Y A D T E N
JAIRE690_UP10002BD17C4 JAIRE690_UP10002BD17C4 JAIRE690_UP10002BD17C4 JAIRE690_UP10002BD17C4 JAIRE690_UP10002BD17C4 JAIRE690_UP10003BD18C4 JAIRE690_UP10003C146D5 JAIRE690_UP10003BD18C4 JAIRE690_UP10003BD18C4 JAIRE690_UP10003C146D5 JAIRE690_UP10003BD18C4 JAIRE690_UP10003C146D5	UniRef90_FFFF6 UniRef90_B4KQ66	F F T II IA K G N II IN S P D Y A II IY F K N N G N V I IS P M H D II IP II IY A N D D K
JRIRE690_G9P0J9 JRIRE690_C1BTVO JRIRE690_C1BTVO JRIRE690_S2KDU6 JRIRE690_T1G8U9 JRIRE690_T1G8U9 JRIRE690_A0A024JJ84 JRIRE690_A0A024JJ84 JRIRE690_A0A024JJ84 JRIRE690_T1[G61 JRIRE690_T1[G61 JRIRE690_T1[G61 JRIRE690_K0KT12 JRIRE690_K0KT12 JRIRE690_K0KT12 JRIRE690_K0KT12 JRIRE690_K0KD62 JRIRE690_C3XYU5 JRIRE690_C3XYU5 JRIRE690_C3XYU5 JRIRE690_G8YAG9 JRIRE690_G8YAG9 JRIRE690_F2UJ62 JRIRE690_F2UJ62 JRIRE690_F2UJ62 JRIRE690_C4QV52 JRIRE690_UP100038ED8B8 JRIRE690_UP100038ED8B8 JRIRE690_UP100038ED8B8 JRIRE690_UP100038ED8B8 JRIRE690_UP100038ED8B8 JRIRE690_UP10004441166 JRIRE690_UP10004441166 JRIRE690_G3BET0 JRIRE690_UP10004441166 JRIRE690_G3BET0 JRIRE690_UP10004441166 JRIRE690_G3BET0 JRIRE690_K1Q374	UniRef90_C4YBD4	Y A S A Q V G S R F S S S Y K N Y A S D E N K L V S Y F H D I P L S L D V E K
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JniRef90_A8P5 2	UniRef90_V3ZPT5	VNTVTEGSKYSSDEKAVIODNIGELIGSVELDLIBLINLINGEL
JAIREF90_C3XYU5 JAIREF90_W6NCB2 JAIREF90_W6NCB2 JAIREF90_G8YAG9 JAIREF90_G9DE13 JAIREF90_F2UJ62 JAIREF90_F2UJ62 JAIREF90_C1BRD0 JAIREF90_C1BRD0 JAIREF90_C1BRD0 JAIREF90_C1BRD0 JAIREF90_C4QV52 JAIREF90_UP100038ED88 JAIREF90_UP100038ED88 JAIREF90_UP100038ED88 JAIREF90_UP100038ED88 JAIREF90_UP10003C146D5 JAIREF90_JAIREF90_JAIREF90 JAIREF90_JAIREF90_JAIREF90 JAIREF90_JAIREF90_JAIREF90 JAIREF90_JAIREF90_JAIREF90 JAIREF90_JAIREF90_JAIREF90 JAIREF90_JAIREF90_JAIREF90 JAIREF90_UP100044401166 JAIREF90_UP100044441166 JAIREF90_JAIREF90_JAIREF90 JAIREF90_JAIREF90_JAIREF90 JAIREF90_JAIREF90 JAIREF90_JAIREF90 JAIREF90_JAIREF90 JAIREF90_JAIREF90 JAIREF90_JAIREF90 JAIREF90_K1Q3F4	UniRef90_A8P5I2	Y T I I E E F G S IL IY G IL ID Y R II IY F K Q S G S H II IS P W H D II IP IL IF IV ID E S K
JniRef90	UniRef90_C3XYU5	A Y Q T E R G A P N T L D Y R Y F S K Y G P V S P F H D P L F S N S E N
JniRef90	UniRef90_W6NCB2 UniRef90_G8YAG9	EGTKYSPDFKKYSESTGKVISYFHDVPLGLDTSN
JniRef90_W4YMK8	UniRef90_Q5DE13	SVERGT SNSASYKMFLTHGGSPISYFHDVPLFADATN
JriRef90_C4QV52 JriRef90_E2ANI2 JriRef90_UP100038ED8B8 JriRef90_UP10003C146D5 JriRef90_UP10003C146D5 JriRef90_J6EHS2 JriRef90_G8ZNL2 JriRef90_G8ZNL2 JriRef90_UP10004402F2C JriRef90_UP10004441166 JriRef90_UP10004441166 JriRef90_G3BET0 JriRef90_K1Q3F4 F S S V Q T G S K Y S S A Y K N Y L K D N G K L G S Y M H D L P L Y A D E K N L Y F K N D G K Y L S P F H D L P L Y A S T E E K G Q P N S A E Y R L Y F K N D G K Y L S P F H D L P L Y A S T E E K G Q P N S A E Y R L Y F K N D G K Y L S P F H D L P L Y A S T E E K G Q P N S A E Y R L Y F K N D G K Y L S P F H D L P L Y A S T E E K G Q P N S A E Y R L Y F K N D G K Y L S P F H D L P L Y A S T E E K G Q P N S A E Y R L Y F K N D G K Y L S P F H D L P L D L N E R E J S A W K Q G S K Y S Q N Y R Q Y L K D N G E V G S F F H D L P L K L D R S C L D H L V K E N V A G H Y L S P F H D L P L K V D E Y E J S A W K Q G S K Y S V D Y K K Y L T D N G N V K S F M H D V P L D L D T R N N G N T V S P F H D L P L F A N T E K		NS NVOVISPEHDIPIVADKEN
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Y F A E N G Q Y V S P F H D P Y A D E	UniRef90_C4QV52	FSSVQTGSKYSSAYKNYLKDNGKIIGSYMHDIIPIIEYDQTS
JriRef90_UPI0003C146D5 JriRef90_G0WHI2 JriRef90_G0WHI2 JriRef90_J6EHS2 JriRef90_C5MBG2 JriRef90_UPI0004402F2C JriRef90_UPI0004441166 JriRef90_G3BET0 JriRef90_K1Q3F4 Y S T E E K G Q P N S A E Y R L Y F K N D G K Y I S P F H D I P L Y A S T E E S K Q S K Y S Q N Y R Q Y L Q N G E I G S Y F H D I P L D L N E R E Q G T K Y T P D Y A N Y A T T S G K V V S Y F H D I P L D L N K E T L D H L V K E N V A G H Y I S P F H D I P L K V D E Y E S T V D S G S K Y S V D Y K K Y L D N G N V K S F M H D V P L D L D T R N N G N T V S P F H D I P L F A N T E K	UniRef90_UPI00038ED8B8	I I Y F A E N G Q Y V S P F H D I I P I I Y A D E
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JniRef90_UP10004441166	UniRef90_C5MBG2	QGTKYTPDYANYATTSGKVVSYFHDIALDLNKET
JniRef90_UP10004441166	UniRef90_G8ZNL2 UniRef90_UPI0004402F2C	F S S IL Q Q G N K F I K D Y K Q Y L Q S N G E IV IG S Y F H D IV IP L IK IL D R S C L D H L V K E N V A G H Y I I S P F H D II P L IK IV ID F Y F
JniRef90_K1Q3F4 NGNTVSPFHDLPLFANTEK	UniRef90_UPI0004441166	Y Q T <u>E Q R G H P N S P D Y R I </u>
JniRef90_G3W4B5	UniRef90_G3BET0 UniRef90_K1Q3F4	S Y S T V D S G S K Y S V D Y K K Y L T D N G N V K S F M H D V P L D L D T R N N G N T V S P F H D I P I F A N T F K
	UniRef90_G3W4B5	NONTWOFFILMNIEN

QUERY UniRef90_U4LFD4 UniRef90_R1EI42 UniRef90_S9PRL7 UniRef90_UPl0001CBA0E2 UniRef90_UPl0003D084E1 UniRef90_K0KSU5 UniRef90_T5A3Z6 UniRef90_G4TGG9 UniRef90_G4TGG9 UniRef90_C4JZQ2 UniRef90_F4RQR7 UniRef90_F4RQR7 UniRef90_B5EVW5 UniRef90_H3BBG9 UniRef90_H3BBG9 UniRef90_D4AWD2 UniRef90_D4AWD2 UniRef90_D4FNH3 UniRef90_D4FNH3 UniRef90_D4FNH3 UniRef90_D4FNH3 UniRef90_UPl000441207C UniRef90_UPH065	N F N M V E P R W N A K L E I T K E E L L N P I I Q N T K G K L R F V R T L N M V E I P R W T N A K L E I T K E E L L N P I K Q D K K G K L R F V R T L N M V E V P R W S A K M E I T K D A T L N P I K Q D K K G K L R T V K M N P I K Q D K K G K L R T V K M N P I K Q D K K G K L R T V K M N P I K Q D K K G K L R T V K M N P I K Q D K K G K L R T V K M N P I K Q D K K G K L R T V R M V E V P R W T N A K M E I S K E E L L N P I K Q D K K G K L R T V R M V E V P R W T N A K M E I S K E E E L N P I K Q D K K G K L R F V R M V E V P R W T N A K M E I S K E E F N P I K Q D K K G K L R F V R M V E V P R W T N A K M E I S K E E F N P I K Q D K K G K L R F V R M V E V P R W T N A K M E I S K E E F N P I K Q D K K G K L R F V R M V E V P R W T N A K M E I A T K D A L N P I K Q D K K K K K K K K T V T M V E V P R W T N A K M E I A T K D A T K G D K K G K K K K K K T T T T
UniRef90_K1X233 UniRef90_G3PZZ1 UniRef90_G3PZZ1 UniRef90_UPl0003D08A94 UniRef90_G3NCL1 UniRef90_E9BWT1 UniRef90_U7G60 UniRef90_W5MCZ5 UniRef90_W9W2E3 UniRef90_H0WMM1 UniRef90_F1QDB6 UniRef90_F1QDB6 UniRef90_U5ES97 UniRef90_U5ES97 UniRef90_UPl000388A160 UniRef90_UPl000359D1CF UniRef90_UPl000359D1CF UniRef90_UPl000333EC28 UniRef90_UPL000333EC3	V
UniRef90_B3RW07 UniRef90_F7CY62 UniRef90_F1L719 UniRef90_W2T4J3 UniRef90_F6RT10 UniRef90_T1PFP3 UniRef90_UP100034F6D51 UniRef90_K7F800 UniRef90_K7F800 UniRef90_K7F800 UniRef90_E2QRM6 UniRef90_E2QRM6 UniRef90_E4XXJ8 UniRef90_I1FIF8 UniRef90_E4XXJ8 UniRef90_I1FIF8 UniRef90_C4YBD4 UniRef90_C4YBD4 UniRef90_UP10002BD17C4 UniRef90_G9P0J9 UniRef90_C1BTV0 UniRef90_C1BTV0 UniRef90_S2KDU6 UniRef90_T1G8U9 UniRef90_T1G8U9 UniRef90_T1G8U9	T V Y N M V V E V P R W T N A K M E I S L K N P L N P I K Q D K K G K L R F V A N L L H M V V E V P R W T N A K M E I A T E E P L N P I K Q D K K G K L R F V A N V F N M V V E I P R W T N A K M E I A T K D P L N P I K Q D K K G K L R F V A N V F N M V V E V P R W T N A K M E I A T K D P L N P I K Q D K K G K L R F V A K T L H M L V E L P R W T N A K M E I A T K E P M N P I K Q D K K G K L R F V A E N G I P M K K A R N D E Y E I A T K E P M N P I K Q D K K G K L R F V A A K I Y N M V V E V P R W T N A K M E I A T K E P L N P I K Q D K K G K L R F V V A S V L N M I V E I P R W T N A K M E I S T S E P L N P I K Q D K K G K L R F V D T I Y N M V V E V P R W T N A K M E I S T S L E G L N P I K Q D K K G K L R F V A R T V N M V V E V P R W S N A K M E I S T S L E G N P I K Q D K K G K L R F V R D V F H M V V E V P R W S N A K M E I A T K D F L N P I K Q D K K G K L R F V V A A V L N M V V E I P R W T N S K L E I T K D E L N P I K Q D K K G K L R F V V A A V L N M V V E I P R W T N S K L E I T K D E L N P I K Q D K K G K L R F V V A A V L N M V V E I P R W T N S K L E I T K D E L N P I K Q D K K G K L R F V V A A V L N M V V E I P R W T N S K L E I T K D E L N P I K Q D K K G K L R F V V A T L F N M V V E V P R W S N S N S K M E I N L K E E L N P I K Q D K K G K L R F V V A K G T L R T V N A K M E I S T S L E G L N P I K Q D K K G K L R F V V A S V L N M V V E V P R W S N S N S K M E I N L K E E L N P I K Q D K K G K L R F V V A T L F N M V V E V P R W T N S K M E I S K E E K L N P I K Q D K K G K L R F V P N K L F N M V V E V P R W T N S K M E I S K E E K L N P I K Q D K K G K L R F V P N K L F N M V V E V P R W T N S K M E I S K E E K L N P I K Q D K K G K L R F V P N K L F N M V V E V P R W T N S K M E I S K E E K L N P I K Q D K K G K L R F V P N T N S K E E K L N P I K Q D K K G K L R F V P N T N S K E E K L N P I K Q D K K G K L R F V P N T N S K E E K L N P I K Q D K K G K L R F V P N T N S K E E K L N P I K Q D K K G K L R F V P N T N S K E E K L N P I K Q D K K G K L R F V N T N S K E E K L N P I K Q D K K G
UniRef90_A0A024JJ84 UniRef90_A0A058ZDR3 UniRef90_T1IG61 UniRef90_V3ZPT5 UniRef90_K0KTI2 UniRef90_C3XYU5 UniRef90_G3XYU5 UniRef90_W6NCB2 UniRef90_G8YAG9 UniRef90_F2UJ62 UniRef90_F2UJ62 UniRef90_C1BRD0 UniRef90_C1BRD0 UniRef90_C4QV52 UniRef90_C4QV52 UniRef90_UPI00038ED8B8 UniRef90_UPI00038C146D5 UniRef90_UPI0003C146D5	GI Y M W N E I P R W T N A K M E I N L K E P L N P I K Q D K K G K L R F V P N V F N M I V E I P R W T N A K M E I N L K E P L N P I K Q D K K G K L R F V K K T V N V I V E I P R W T N A K M E I S K K N A L N P I T Q D L K G N V R F V N K L Y N M V I E I P R W T N A K M E M S T K E S M T P I K Q D K K G E P R F V D K T F N M V V P R W T N A K M E M S T K E S M T P I K Q D K K G K L R F V V A K L Y N M I V E I P R W T N A K M E M S T K E S M T P I K Q D K K G K L R F V H R T A N M I A E I P R W T N A K M E I A T K E K L N P I K Q D K K G K L R F V H R T A N M I V E I P R W T N A K M E I O K K E E L M N P I K Q D K K G K L R F V H R T A N M I V E I P R W T N A K M E I D C K E E L M N P I K Q D K K G K L R F V R N L N M V V P R W T N A K M E I D T A A P M N P I K Q D K K G K L R F V R N I F N A A I E V P K W T N A K M E I S L K D E L N P I R Q D K K G K L R F V A G L L N V V V E I P R W T N A K M E I S L K D E L N P I R Q D K K G K L R F V A G L L N V V V E I P R W T N A K M E I S T K D P L N P I K Q D K K G K L R F V V A R T V N M V V E V P R W T N A K M E I S T K D P L N P I K Q D K K G K L R F V V A R T V N M V V E V P R W T N A K M E I S T K D P L N P I K Q D K K G K L R F V N K T V N M V V E V P R W T N A K M E I S T K D P L N P I K Q D K K G K L R F V N K T V N M V V E V P R W T N A K M E I S T K D P L N P I K Q D K K G K L R F V N K T V N M V V E V P R W T N A K F E I S K E L R F N P I T Q D K K G K V R F V N K T V N M V V E V P R W T N A K F E I S K E L R F N P I T Q D K K G K V R F V N K T V N M I V E V P R W T N A K F E I S K E L R F N P I T Q D K K G K V R F V N K T V N M I V E V P R W T N A K F E I S K E L R F N P I V Q D K K G K V R F V N K T V N M I V E V P R W T N A K F E I S K E L R F N P I V Q D K K G K V R F V N K E A N L V I E V P R W T N A K M E I A T K E P L N P I K Q D K K G K V R F V N K K E A N L V I E V P R W T N A K M E I A T K E P L N P I K Q D K K G K V R F V N K K E A N L V I V P R W T N A K M E I A T K E P L N P I K Q D K K G K V R F V N A K T V N M V V E V P R W T N A K M E I A T K E
UniRef90_UPI0004441166 UniRef90_G3BET0 UniRef90_K1Q3F4 UniRef90_G3W4B5	GTATMVVEIPRWSYAKFEINTKLEGNPIKQDKKGKLRYVA TVMNMVVEIPRWTNSKMEICKEEKMNPIKQDKKGNVRFVK MVVEVPRWTNAKMEIATKDPLNPIKQDKKGALRYVK

	90 100 110	120
QUERY	N <mark>C</mark> FPHHGY HNYGAFPQTWEDPN <mark>VSH</mark> PETKAVGDNNP	DV
UniRef90_U4LFD4	N C F P H K G Y L WN Y G A F P Q T WE D P N T I H P E T K A K G D N D P L	
UniRef90_R1EI42 UniRef90_S9PRL7	N	
UniRef90_UPI0001CBA0E2	N <mark>C</mark> FPHHGY I WNYGA <u>F</u> PQTWEDPN H V DAHTS <mark>C</mark> KGDNDP L	DV
UniRef90_UPI0003D084E1	N V F	DV
UniRef90_K0KSU5 UniRef90_T5A3Z6	NVFPHHGYI HNYGAFPQTWEDPNQSHPETKAKGDNDPL N <mark>C</mark> FPHKGYLWNYGAFPQTWEDPN <mark>VVH</mark> PETKAKGDNDPL	_ D V _ D V
UniRef90_G4TGG9	N	L D V
UniRef90_I3KGP0	N V F	DI
UniRef90_C4JZQ2 UniRef90_F4RQR7	NCFPHKGYL WNYGAFPRTWEDPNVVHPETKAKGDNDPL NCFPHHGYI WNYGAFPQTWEDPNHTHPETKAKGDNDPL	L D V
UniRef90_E5EVW5	NVFPHRGY WNYGALPQTWENPNHVDPDTGARGDNDP	V D V
UniRef90_W5N4G4	N F	DV
UniRef90_H3BBG9 UniRef90_D4AWD2	NVFPHKGY WNYGA <u>L</u> PQTWEDPGHKD <mark>C</mark> NTG <mark>CC</mark> GDNDP	D V
UniRef90_Q4RJE1	N _ F	V D V
UniRef90_M5ENH3 UniRef90_B7P6R8	N S F P H K G Y	_ D V D I
UniRef90 UPI000441207C	NCFPHHGYI WNYGAFPQTWEDPSVTHAETKANGDNDPL	L D V
UniRef90_U5H4G5	NCFPHHGYMILINYGAILIPQTWEDPNQMHSETKANGDDDPIL	
UniRef90_K1X233 UniRef90_G3PZZ1	N C F P H K G Y L WN Y G A F P Q T WE D P N V I H P E T K A K G D N D P L NI F P H K G Y I WN Y G A L P Q T WE D P N H T D K E T K C C G D N D P I	L D V
UniRef90_UPI0003D08A94	N F	DV
UniRef90_G3NCL1	N V F	DI
UniRef90_E9BWT1 UniRef90_Q17G60	NCFPHHGYI WNYGAFPQTWEDPHHVTPETGAKGDNDPL NCFPHHGYI WNYGALPQTWENPDHLDPNTGCKGDNDPI	
UniRef90_W5MCZ5	N <u>V</u> FPHKGY I WNYGA I PQTWEDPGH <u>K</u> DDDTG <mark>CC</mark> GDNDP I	DV
UniRef90_W9W2E3 UniRef90_H0WMM1	N R F P H H G Y	D A
UniRef90_F1QDB6	NVFPHKGYI WNYGAL PQTWEDPHRKDKSTNCCGDNDPI	DV
UniRef90_R7UU43	N <mark>C</mark> F P H H G Y I W N Y G A L P Q T W E D P T H T D E H T S M K G D N D P L	
UniRef90_U5ES97 UniRef90_V5G7A2	N C F P H H G Y I W N Y G A F P Q T WE N P D H L E P S T G C K G D N D P I N C F P H H G Y I W N Y G A L P Q T WE N P E H L D D G T G C K G D N D P I	D V
UniRef90_UPI000388A160	NI F P H K G Y I WN Y G A L P Q T WE D P H H K D K D T G C C G D N D P I	DV
UniRef90_T2MDH1 UniRef90_UPI0003F08B9E	N	V D V
UniRef90 UPI000359D1CF	NI FPHKGYI WNYGAL PQTYEDPNHVTPDTGTNGDSDPI	DV
UniRef90_UPI000333EC28	NVFPHKGYI WNYGALPQTWEDPHYRDGNTG <mark>CC</mark> GDNDPI	DV
UniRef90_J9K1H7 UniRef90_H3CT97	N V F P H K G Y I W N Y G A L P Q T W E N P E L D E H T G C K G D N D P L N V F P H K G Y I W N Y G A I P Q T W E D P S H K D G D T G C C G D N D P I	L D V D V
UniRef90_E0W2T1	N <mark>C</mark> F P H H G Y I W N Y G A I P Q T W E N P S H L D D S T G <mark>C</mark> K G D N D P I	DV
UniRef90_E3MLZ4	N F	D V
UniRef90_UPI0003317391 UniRef90_B3RW07	N L F P Y K G Y L W N Y G A L P Q T WE D P G H N D K H T G C G D N D P L N I F P H G Y M W N Y G A F P Q T WE D P N H V D A N T S C K G D N D P L T T T T T T T T T	
UniRef90_F7CY62	NVFPHKGYI WNYGAI PQT WEDPGH <u>K</u> DQHTG <mark>CC</mark> GDNDP I	D V
UniRef90_F1L719 UniRef90_W2T4J3	N	DI DI
UniRef90_F6RT10	NL F	D V
UniRef90_T1PFP3 UniRef90_UPI00034F6D51	N <mark>C</mark> FPHKGYI WNYGAFPQTWENPDHLEPSTG <mark>C</mark> KGDNDPI NVFPHKGYI WNYGALPQTWEDPH <u>HK</u> DKDTGCCGDNDPI	DV DV
UniRef90_R4V1P3	NCFPHHGYI WNYGAI PQTWENPEVLDESTGYKGDNDPI	D I
UniRef90_K7F800	N V F	V D V
UniRef90_W4X6I9 UniRef90_E2QRM6	N	DV DV
UniRef90_UPI000392DAF6	NI FPHKGYI WNYGALPQTWEDPNHTDNI TG <mark>CC</mark> GDNDPII	
UniRef90_E4XXJ8 UniRef90_I1FIF8	NVYPQRGYPWNYG <mark>C</mark> LPQTWENPKHVDKNTNEGGDNDP N <mark>C</mark> FPYHGY WNYGA <u>F</u> PQTWEYPGHVDPNTG <mark>C</mark> KGDNDP	V D L L D V
UniRef90_B4KQ66	NCFPHKGYII WNYGAII IPQTWENPNHII IFPSTG <mark>C</mark> KGDNDPII	l D V
UniRef90_C4YBD4 UniRef90_UPI0002BD17C4	NLFPYHGYI HNYGAL SQTWEDPTVKSNVDGLVGDGDPL NLFPYKGYI WNYGAI PQTWEDPRHNDEHTGCCGDNDPI	L D V
UniRef90_G9P0J9	N <mark>C </mark>	L D V
UniRef90_C1BTV0 UniRef90_S2KDU6	N C F P H K G Y I W N Y G F L P Q T WE D P E H T D P S T N C K G D G D P I N L F P F K G Y I W N Y G A F P Q T WE D P S F I S P H T N R K G D N D P I	DV DV
UniRef90_T1G8U9	N C F P H H G Y W N Y G A F P Q T W E N P K H D A H T L Q K G D N D P L	L IDIVI
UniRef90_UPI0003334AC9	NVEDHKGVI WNVGAIDDOTWEDDHOKDKDT <mark>NCC</mark> GDNDDI	ואום
UniRef90_A0A024JJ84 UniRef90_A0A058ZDR3	NVFPHKGYI HNYGAFPQTWEDPMHSHPDTKLCGDNDPLNCFPHKGYI WNYGALPQTWENPTI VDESTECLGDNDPNCFPHHGYI WNYGAIPQTWENPELKDEHTGCVGDNDPINIFPHHGYLWNYGALPQTFEDPTTESDHGKTKGDQDPL	L D A
UniRef90_T1IG61	NCFPHHGYI WNYGAI PQTWENPELKDEHTGCVGDNDPI	DV
UniRef90_V3ZPT5 UniRef90_K0KTI2	NI FPHHGYLWNYGALPQTFEDPTTESDHGKTKGDQDPL NI FPFKGYMHNYGAIPQTWDDPTLVDKETGFRGDDDPI	L D V D I
UniRef90_A8P5I2	N V F	DV
UniRef90_C3XYU5	N CFPHKGY I WNYGAL PQTWEDPNCKDESTQ <mark>C</mark> MGDNDPI NIFPHKGY I WNYGAL PQTWEDPNHTVPD <u>TGA</u> KGDNDPI	DV
UniRef90_W6NCB2 UniRef90_G8YAG9	NIL IF P Y H G Y IV IH N Y G A F P Q T WE D P T T K D R E IL IS IL IY G D N D P IL	L IDIVI
UniRef90_Q5DE13	NIVIFPHKGYII IWNYGAIL IPQTWEDPSYIVIDEDTKAKGDNDPII	IDIV
UniRef90_F2UJ62 UniRef90_W4YMK8	N C F P H H G Y I WN Y G A V P Q T WE N P D A K D D H T G E N G D N D P I N C F P H H G Y I WN Y G A F P Q T WE D P N H T D A S T K C K G D N D P I	D I
UniRef90_C1BRD0	NCFPYKGYLWNYGFII PQT WEDPEHVDPSTHCKGDGDPII	DL
UniRef90_C4QV52	NLYPNHGFPFNYGAIPQTWEDYTRPSKFVSAKGDNDPL	L D I
UniRef90_E2ANI2 UniRef90 UPI00038ED8B8	N CFPHHGY I WNYGAL PQTWENPEVLDEATGCKGDNDPINLFPYKGY I WNYGAI PQTWEDPGHSDKHTGCCGDNDPI	D V
UniRef90_UPI0003C146D5	NI IFPHKGYII IWNYGAIL IPQTWEDPHHKDKDIL ID <mark>CC</mark> GDNDPII	IDIVI
UniRef90_G0WHI2 UniRef90_J6EHS2	NI FPFYGYI HNYGAI PQTWEDPTVNHEI GEL VGDNDPL NI FPYHGYI HNYGAL PQTWEDPTMEHDDVAL KGDNDPL	L D C
UniRef90_C5MBG2	NIL IF P H H G Y II IH N Y G A F P Q T W E D P T T K H H G IL IF G D N D P I	V D V
UniRef90_G8ZNL2	NI FPYHĠYI HNYĠAL PQTWEDPNQTS VGŚLKĠDNDPI NI FPHKGYI WNYGAL PQTWEDPHRKDKSTDCCGDNDPI	L D C
UniRef90_UPI0004402F2C UniRef90_UPI0004441166	N F P H K G Y	D V
UniRef90_G3BET0	N L F P F H G Y V H N Y G A L P Q T WE D A T N S N G S L G L Y G D N D P L	L D V
UniRef90_K1Q3F4 UniRef90_G3W4B5	N V F P H G Y I W N Y G A L P Q T W E D P K H E T P E T K T L G D N D P I N V F P H K G Y I W N Y G A L P Q T W E D P G H K D Q H T G C G D N D P I	L D V D I
OTHIVE190_G2884D3	NIVI I II KO I I I WIN I OALLE WI WE DE GAR DUALI G <mark>eo</mark> gd N DPI	ווטן

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QUERY UniRef90_U4LFD4	L Q I C E I		GQIKR	V K V L G I M A L I	_ D E G E T D W K V I A I D I N _ D E E E T D W K V I V I D <u>E</u> K
UniRef90_R1EI42 UniRef90_S9PRL7	CEI	GELVGKP	GEIKQ	V K V L G V M A L I V K V L G <u>V</u> M A <u>L</u> I	_ D
UniRef90_UPI0001CBA0E2	CEL	IG H R V A N R	. G D V V Q \	V K L L G T <u>M</u> A <u>M</u> I	ID E G E T D W K MIL IA II IDIVIN
UniRef90_UPI0003D084E1 UniRef90_K0KSU5	CEI	GSKVCSR GEAVGYT	GQVKQV	V K V L G T L A L I V K V L G V M A L I	_
UniRef90_T5A3Z6	CEI	G E L_V G Y T	GQVKQ	V K V L G V M A L I	ID E E E T D WKIV V V I IDII IN
UniRef90_G4TGG9 UniRef90_I3KGP0	C D I	GNKVCSR	GEVIK	√ K V L G T L A L	DEGETDWKVIVINTE
UniRef90_C4JZQ2 UniRef90_F4RQR7	CEI	G E L V G Y T G E A V G Y V		V K V L G <mark>V M</mark> A L I V K V L G <u>V M</u> A L I	IDEEETDWKII I VIIDIVIN
UniRef90_E5EVW5	∏E I	GERVASR	GDVYP	VKI LIGTILIAILI	DEGETDWKLIAIDSR
UniRef90_W5N4G4 UniRef90_H3BBG9	C D I	GSKVCAR	GEVIQ	VKILGELAMI VKILGTLALI	DEGETDWKIVI IAII INIVIE
UniRef90_D4AWD2 UniRef90_Q4RJE1	C E I	GELVGYP GTQVCFP	GQVKQV GQVVQ	V K V L G <u>V M</u> A L I V K V L G I <u>L A M</u> I	DEEETDWKIIVIDVN DEGEMDWKVIAINAD
UniRef90_M5ENH3	V E I	GEQVGYT	GQI KQ	V K V L G V M A L I	_ DEGETDWK VI VIDVN
UniRef90_B7P6R8 UniRef90_UPI000441207C	CEL	IG F OVIG YIV	GQVKQV	VIKIV LIGII IMAILI	_
UniRef90_U5H4G5 UniRef90 K1X233	CEI	G E A I G Y T G E L V G Y P		V K V L G I M A L I V K I L G V <u>M</u> A <u>L</u> I	DEGETDWKVI AIDVN DEEETDWKVI VI DVN
UniRef90_G3PZZ1	CEL	GTQVCFP	GQVIQI	V K V L G I L A M I	DEGEMDWK VI A I NAE
UniRef90_UPI0003D08A94 UniRef90_G3NCL1	C E I	GSKVRSS GNKV <mark>C</mark> SR	GEIIK	V K V L G V L A L I V K V L G T L A L I	DEGETDWKVI <u>V</u> IN <u>T</u> E
UniRef90_E9BWT1 UniRef90_Q17G60	C E I	GEAVATR GSRIAKR	GQVKQ\	V K V L G <u>I M</u> A L I V K V L G T V A L I	- D
UniRef90_W5MCZ5	C E I	GSKVCSR	. G E V I K \	V K V L G T L A L	DEGETDWK VIAI N ID
UniRef90_W9W2E3 UniRef90_H0WMM1	V D I	GSKVISR	GEVTH	V K V L G	DEGETDWKLIAINAN
UniRef90_F1QDB6 UniRef90_R7UU43	C E I	GSKV <mark>C</mark> VT GFKVHKR	GQVIQ	V K V L G I L G L I V K V L G V M A L I	DEGETDWKVIAINVE DEGETDWKVI <u>V</u> CDVT
UniRef90_U5ES97	L E I	G Y R V A K R	GDVMQ	VKI I GTII AII I	DEGETDWKI I TI DVN
UniRef90_V5G7A2 UniRef90_UPI000388A160	L E I	GTKVHYP	GEILIQI	V K V L G V M A L	DEGETDWKIIIAINVD
UniRef90_T2MDH1 UniRef90_UPI0003F08B9E	L E I	G Y K V A E R G S K V F S R	. G D V I H \	V K L	DNGEIDWK VI A I D V N
UniRef90_UPI000359D1CF UniRef90_UPI000333EC28	C E I	IG Y K II IH E R	GAVIQ	VIKIV VIGII IM <mark>CI</mark> L I	DEGETDWKVLAI DVT
UniRef90_J9K1H7	LEI	GYKVAKR	. G E V L K \	V K V L G I F A L	D E G E T D WK V L VI N V E
UniRef90_H3CT97 UniRef90_E0W2T1	C E I	IG S K II IA K R	GEVIEN	VKVLGILAMI VKILG <mark>C</mark> IALI	DEGETDWKIISINSK
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UniRef90_B3RW07	CEL	IGYKIVIGKR	. G E II K Q \	V K V L G V M A M I	DEGET DWKII LIAII IDIVIT
UniRef90_F7CY62 UniRef90_F1L719	C D I	IG S K II IH K R	GDVVQ	VKVLGLTAMI VKVVGTLALI	DEGETDWKLVGIDVS
UniRef90_W2T4J3 UniRef90_F6RT10	V D I	GSKIQKR GGKV <mark>C</mark> AR		VKVLGTLALI VKVLGLAMI	DEGETDWKLIAIDVT DEGETDWKVIAIN <u>A</u> D
UniRef90_T1PFP3 UniRef90_UPI00034F6D51	LEI	GYRVAKR GSKVLSR	. G E V V Q \	VIKII LIGTII IAILI	DEGETDWKI I AI DVK
UniRef90_R4V1P3	L E I	GYRVAKR	GEVLQ	V K V L G T I A L I	DEGETDWK II A I D V N
UniRef90_K7F800 UniRef90_W4X6I9	C E I		GEVIK	/ K / C T / A	DECETOWKI I VI DVN
UniRef90_E2QRM6 UniRef90_UPI000392DAF6	CEI	GSKILS C	GEVIH GELVO	VKILGILALI VKVLGVLAL	D E G E T D W K L I A I N A N / D E G E T D W K I <u>I A</u> I S <u>A</u> D
UniRef90_E4XXJ8	CEL	GSRVPAR	GEVIQ	V K A L G L L A MI	D E G E T D W K L I A I N A N V D E G E T D W K L I A I S A D D E G E T D W K V M C I D V K D E G E T D W K I I A I D V N D E G E T D W K I I A I D V K V D D G E L D W K V I A I D T E
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UniRef90_T1G8U9 UniRef90_UPI0003334AC9	C E I	G S K V L S R	G E V I H	V K V L G V <u> M</u> A L V K I L G I L A L	DEGETDWKILAIDVK DEGETDWKLIAINVN
UniRef90_A0A024JJ84 UniRef90_A0A058ZDR3	C E I	G D A V A Y P	GEVKP	VKVIGVLALI VKIIG <mark>C</mark> IALI	DEGETDWKILVIDVR DEGETDWKLIVIDTA
UniRef90_T1IG61		ĞŠŘIAKR	ĞEVLN	SKVIĞ <mark>Č</mark> IAL	DEGET DWKI VŠI SKS
UniRef90_V3ZPT5 UniRef90_K0KTI2	C E I	G Q R V A K L	GDVFE	AKVLG <u>A</u> LALI	VDEGETDWKIIAIDVN DDGELDWKVFVIDSR
UniRef90_A8P5I2 UniRef90_C3XYU5	CEI	GSKIHRRR GHRVKRR	G D V I S V	VKI VGVIALI VKVLGTLALI	D E G E T D WK L V A I D V T D E G E T D WK L I A V D V E
UniRef90_W6NCB2	C E I	GSKVQGR	GAVVK	VKI VĞTLAL	DEGETDWKLVAIDIE /DSGELDWKIIVINVD
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UniRef90_F2UJ62 UniRef90_W4YMK8	C D L	S D S I A E V G R K V A K R	JG E I K Q \ G E V I O	V K I L IG V L IA MII V K V L IG T L IA MII	DDGETDWKLLGIDVN DEGETDWKIFAIDVT
UniRef90_C1BRD0 UniRef90_C4QV52	Č E I	GQQVHPR	GSIVQ	TKI LGTLAL	DEGETDWKIFAIDVT DEGETDWKILAIDVE DEGELDWKIITINTE
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UniRef90_G0WHI2 UniRef90_J6EHS2	CEI	GSSVFTT GSDVIKM	GEII KTN IGSII KKN	VKILGSTALI VKVLGSTALI	DDGELDWKVIVINVK
UniRef90_C5MBG2	CEV	GSRILST	GDIKR	VKI LIĞŞİLIALI	D D G E L D WK V I V V N V D D D G E L D WK V I A I N V N
UniRef90_G8ZNL2 UniRef90_UPI0004402F2C	CEI	G S K V L S R	GDVVH	VKI LGI LALI	D D G E L D W K V I A I N V N D Q G E T D W K L I A I N V N
UniRef90_UPI0004441166 UniRef90_G3BET0	C D I V E I	G T Q V C S P G S Q V L D T	G Q V L Q V G A I E R	V K V L G L A M V K V L G S L A L	DEGETTDWK I A I DVK V A I D V K V A I D V K V A I D V K V A I D V K V A I D V K V A I D V K V A I D V K V V D D A X V V D D A X V X D V C X C
UniRef90_K1Q3F4	ČE	G Q K V H T R	GAVIQ	VKVLĞ <mark>VM</mark> CL	DDGELDWKVVVVRTA
UniRef90_G3W4B5	C E I	υοκμ <mark>υ</mark> δ Κ	. G E V K \	virtiv LIGII LIA MII	DEGETDWK VI A I N V D

	170 180 190 200
QUERY UniRef90_U4LFD4 UniRef90_R1EI42	D P L A P K L N D I E D V E K Y F P G L L R A T D E W F R I Y K I P D G K P E N D P L A P K L N D I E D V E R H L P G L L R A T N E W F R I Y K I P D G K P E N D P L A P K L N D V E D V E R H L P G L L R A T N E W F R I Y K I P D G K P E N
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UniRef90_K0KSU5 UniRef90_T5A3Z6	DPLAPKLNDI EDVERHLPGLLRATNEWFRVYKI PDGKPEN DPHADKLNDI EDVERHLPGLLRATNEWFRI YKI PDGKPEN DPLAPKLNDI EDVERHLPGLI RATNEWFRI YKI PDGKPEN
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UniRef90_C4JZQ2 UniRef90_F4RQR7	DPLANKLQDIEDVERHLPGLMRATNEWFRIYKIPDGKPENDPLAPKLNDIEDVERHLPGLIRATNEWFRIYKIPDGKPEN
UniRef90_E5EVW5 UniRef90_W5N4G4	DPNAEKLNDVQDVETLFPGLLRATVEWFRLYKVPDGKPVNDPDAPTLNSIEDVRKQRPGHLEATVDWFRRYKVPDGKPEN
UniRef90_H3BBG9 UniRef90_D4AWD2	D S E A Q N Y N D I E D V R G L K P G Y L E A T V D W F R R Y K V P D G K P E N D P L A S K L N D I E D V E R H L P G L L R A T N E W F R L Y K L P D G K P E N
UniRef90_Q4RJE1 UniRef90_M5ENH3	DPEAKKLNSLEDV <mark>C</mark> RTRPGHLEATVDWLRKYKMPDGKPENDPIAPKLNDIEDVEKHLPGLIRATNEWFRIYKIPDGKPENDPLANELNDVGDIEKHMPGLLKATTEWFRIYKIPDGKPEN
UniRef90_B7P6R8 UniRef90_UPI000441207C UniRef90_U5H4G5	D P L A N E L N D V G D I E K H M P G L L K A T T E W F R I Y K I P D G K P E N D P L A D R L N D I E D V E R H L P G L I R A T N E W F R I Y K I P D G K P E N D P L A G K L N D I E D V E R H L P G L I R A T N E W F R I Y K I P D G K P E N
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UniRef90_UPI0003D08A94 UniRef90_G3NCL1	D P D A K S L N S I E D V R K S R P G H L E A T V D W F R K Y K V P D G K P E N D P E A E K I H D I D D V R K H K P G Y L E A T V D W F Q L Y K V P D G K P E N D P E A A G F N D I D D V R R L K P G Y L E A T V D W F K R Y K I P D G K P E N
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UniRef90_H0WMM1 UniRef90_F1QDB6	D P E A S K F N D D D V K K F K P G Y L E A T L N W F R F Y K V P E G K P E N D P D S S S L N S E D V R K K P G H L E A T V D W F K K Y K V P D G K P E N
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UniRef90_V5G7A2 UniRef90_UPI000388A160	DPLADQLNDVADIEKHFPGLLKASVEWFKIYKIPDGKPEN
UniRef90_T2MDH1 UniRef90_UPI0003F08B9E	D P L A S K L N D I D D V K E V M P G L L E A T V E W F K I Y K M P G G D P P N D P E A S K I H D L D D V R K Y K P G Y L E A T L N W F R V Y K V P E G K P E N
UniRef90_UPI000359D1CF UniRef90_UPI000333EC28	D P K A D S L N D I D D V E K Q F P G L L K A T Y E W F K Y Y K V P D D K P E N D P E A H K F H D I D D V K K F K P G Y L E A T V H W L R F Y K V P E G K P E N
UniRef90_J9K1H7 UniRef90_H3CT97	DPFAKDII INNII ISDIVIKRII IKPGYII IFATIVID WEKWYKIVIPDGKPKN
UniRef90_E0W2T1 UniRef90_E3MLZ4	D P L A G Q V N D L K D V E L F F P G L M K A T V E W F K L Y K I P D G K P E N D E N A D Q L N D I S D V E K V Y P G L L T A T V E W F R N Y K I P A G K P A N
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UniRef90_K4V1F3 UniRef90_K7F800 UniRef90_W4X6I9	D S E A A N Y N N I D D V R K M K P G Y L E A T V D W F R K Y K V P D G K P E N D P L A D Q M N D I S D I E K H Y P G L M K A T I E W F K I Y K I P D G K P E N
UniRef90_E2QRM6 UniRef90_UPI000392DAF6	DPEASKEHDI DDVKKEKPGVI EATI NWERI VKVPDGKPEN
UniRef90_E4XXJ8 UniRef90_I1FIF8	DPEAQKI HDI DDVKKHKPGYLEATVDWFRLYKVPDGKPEN DELADKI NNLDDVEKLKPGYLADTRKWFRTYKVPDGKPEN DKMAASLNDI GDVETHMPGL LQHTVNWFKIYKMPTGKPPN
UniRef90_B4KQ66 UniRef90_C4YBD4	DPILIASKILINDIVISDILIDOYEPGILLIRALIVIEWEKILIYKILIPDGKPEN
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UniRef90_C1BTV0 UniRef90_S2KDU6	DPMASQLNDVQDIDKLMPGFLAATVEWFKIYKMPDGKPAN DPLFEKMNDIEDVETYMPGYLKSTDTFFRVYKLPQGKKEN
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UniRef90_A0A024JJ84 UniRef90_A0A058ZDR3	DPMASQLNDVQDIDKLMPGFLAATVEWFKIYKMPDGKPANDPLFEKMNDIEDVETYMPGYLKSTDTFFRVYKLPQGKKENDPLADKLNGVKDIEEHMPGFLAATHEWFKIYKMPTGKPANDPLADKLNGVKDIEEHMPGFLAATHEWFKIYKVPEGKPENDPLASRINNIDDLKKYKPGYLEATVNWLRLYKVPEGKPENDPLADKMNDIEDVETHMPGLLEATVEWFKNYKLPDGKPENDPLADKMNDIEDVETHMPGLLKATEEWFRIYKMPDGKPENDPLADSVNDITDVDKYFPGLLKATMEWFRLYKIPDGKPENDPLADSVNDITDVDKYFPGLLKATMEWFRLYKIPDGKPENDPLADSVNDITDVDKYFPGLLKATMEWFRLYKIPDGKPEN
UniRef90_T1IG61 UniRef90_V3ZPT5	DPLADSVNDII TDVDKYFPGLLKATMEWFRLYKII PDGKPEN DPKADMVNDII GDVKKWFPGLLSATHEWFKYYKVPDGKPEN
UniRef90_K0KTI2 UniRef90_A8P5I2	DPLAKEINDI GDI DARFPGL LESTRKWFKDYKI PDGKPEN DEKADQUNEI KDVEKHFPGL LKATREWFRNYKUPTGKPAN
UniRef90_C3XYU5 UniRef90_W6NCB2	D P L A D K M N D I E D V E T H M P G L L K A T E E W F R I Y K M P D G K P E N D P L A D S V N D I T D V D K Y F P G L L K A T M E W F R I Y K V P D G K P E N D P L A D S V N D I G D V K K V F P G L L S A T H E W F K Y Y K V P D G K P E N D P L A K E I N D I G D V D A R F P G L L E S T R K W F K D Y K I P D G K P E N D E K A D Q I N E I K D V E K H F P G L L K A T R E W F R N Y K I P T G K P A N D P M A K E M D D I Q D V E K K F P G L L K A T R E W F R N Y K I P T G K P P N D P V A A Q I N N I G D V E K H F P G L L K A T H E W F R I Y K I P T G K P E N D P M A K E L H D I H D V Y V R C P G L L E A T R Q W F R F Y K V P D G K P K N D P M A E K L N D I L D V D A H M P G F L K A T R D W F K Y Y K V P A G K P E N D P R A E S L N D V G D I E K V M R G Y L S A T V E W F R I Y K I P A G K P E N D P L A K D M N D I D D I R R L M P G F L E A S V N W F K I Y K V P D G K P P N D P L S E V L H D I E D I Q K Y M P G F I E A S V N W F K I Y K V P D G K P P N D Y H A S D V N D I Y D I Y H V L P G M L E N T R E W F K N Y K K P E G K P S N
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UniRef90_F2UJ62 UniRef90_W4YMK8 UniRef90_C1BRD0	DPLAKDMNDI DDI ERVIMPGFLEASVNWFKI YKVPDGKPLNDPLSEVLIHDI EDI QKYMPGFLEATVDWFKI YKVPDGKPLNDPLSEVLIHDI EDI QKYMPGFI EATVDWFRLYKI PDGKPN
UniRef90_C1BRD0 UniRef90_C4QV52 UniRef90_E2ANI2	DYHASDVNDIYDIYHVLPGMLENTREWFKNYKKPEGKPSNDPLANQMNDVNDIEKHCPGLLKATIEWFKLYKIPDGKPEN
UniRef90_E2ANI2 UniRef90_UPI00038ED8B8 UniRef90_UPI0003C146D5	DPDAANYNDII NDIVERLKPGYLEATVDWFRRYKVPDGKPEN
UniRef90_G0WHI2 UniRef90_J6EHS2	DPLASSVNNI HDVEKHFPGLLTATRNWFRDYKVPMNKLKN DPLSPKI NSLENVEKHFPGI LNATREWFRKYKVPAGKPLN DPLAKQVNDI CDLDEKCPGLLDTTRQWFRDYKLADGKPQN
UniRef90_C5MBG2 UniRef90_G8ZNL2	DPLAKQVNDI CDI DEKOPGL LDTTRQWFRDYKLADGKPQN DPLATEI NNLNDVEDKLPGI LNATREWFRNYKI PAGKPPN
UniRef90_UPI0004402F2C UniRef90_UPI0004441166	DPEASNITDIEDVKKYKPGYLEATLNWFRFYKIPEGKPEN DEDAEKLN <mark>C</mark> IEDVRKSRPGHLEATVEWFRKYKVPDGKPEN
UniRef90_G3BET0 UniRef90_K1Q3F4	DQLASQLHDI ADVQTLCPGLLEATREWFRNYKI PDGKPAN DPLASDLNDI EDVEKHMPGFLKATYEWFKLYKI PDGKPAN
UniRef90_G3W4B5	D P D A A S Y N N I D D V R K L K P G Y L E A T V E W F R K Y K V P D G K P E N

QUERY UniRef90_U4LFD4	210 220 230 240 QFAFSGEAKNKKYALDIIKETHNSWKQLIAGKSSDSKGID QFAFSGECKNRKYAMDVIRECAEAWEKLITGKS DPHGIS
UniRef90_R1EI42 UniRef90_S9PRL7 UniRef90_UPI0001CBA0E2 UniRef90_UPI0003D084E1	QFAFNEEFKDKDFA K V KSTHEYWKA LV T KKTDGGE N
UniRef90_K0KSU5 UniRef90_T5A3Z6 UniRef90_G4TGG9 UniRef90_I3KGP0	QFAFSGEAKNKKYAĒEVIRETNEAWENLIQGKTQPD EIS HFAFTGE <mark>C</mark> KNRSYAMDIVRE <mark>C</mark> AEAWERLITGKTQPG GIS TFAFSGEAKNKKYATELIHECHEAWRKLVSPAKTQNYEIS QFAFNGEFKDRDFALETVKSTNEFWKALLA KMTNAGELN
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UniRef90_H3BBG9 UniRef90_D4AWD2 UniRef90_Q4RJE1	QFAFNGKFKDKDFALTVIKNTHDDWNSLMA KTTDEGGLS QFAFSGE <mark>C</mark> KNSKYAMDVVHE <mark>C</mark> AEAWEKLMSGQS PAGGIS KFGFNEQFQDKDFAVEVIKSAHEHWRALV QKQSSGGGIS
UniRef90_M5ENH3 UniRef90_B7P6R8 UniRef90_UPI000441207C UniRef90_U5H4G5	QFAFNGEAKNREFAEKII AETHTYWEALM QRADTSPLN AFAFSGEAKNKKYATEI VHECHEAWRRLI HGESAAGNN C QFAFSGEAKNKRYAI EII I LECHEAWKRL VSGOTK SDIA
UniRef90_K1X233 UniRef90_G3PZZ1 UniRef90_UPI0003D08A94 UniRef90_G3NCL1	QFAFTGECKNKKYATDI VRECAEAWEKLI TGKTAPG EIS QFGFNGQFKDKDFAVEI I KSTHEHWRALV QKQTNSHGIE QFAFNGEFKDKEFAIEI I KSTHEYWKALLHKKA DGGAI K QFAFNGEFKDRDFAIKTI KSTNEFWKALI S KRTDAGELN
UniRef90_E9BWT1 UniRef90_Q17G60 UniRef90_W5MCZ5 UniRef90_W9W2E3	QFAFEGKAKNSAYAHKI I EETHGFWNKLV NKTADGGALS QFAFNGEAKDAAFAI KVVEETHKFWRTLI NKEIED TGI S QFAFNGEFKDKDFAI EI I KSTHGFWKALVS KKTSSGELS EFAFGGQYRNREFALRI I HECSEAWERLI TGNTEPG DVD
UniRef90_H0WMM1 UniRef90_F1QDB6 UniRef90_R7UU43	QFAFNGEFKTKAFALEVIESAHE <mark>C</mark> WKALLM KK <mark>C</mark> NGGSIN QFAFNGQFKDKDFAIEVIKSTHSYWKALVMRKKMKDDEIV EFAFDGKAKNKDFALKVIQQTNEQWQALV GKAVDNGGLS
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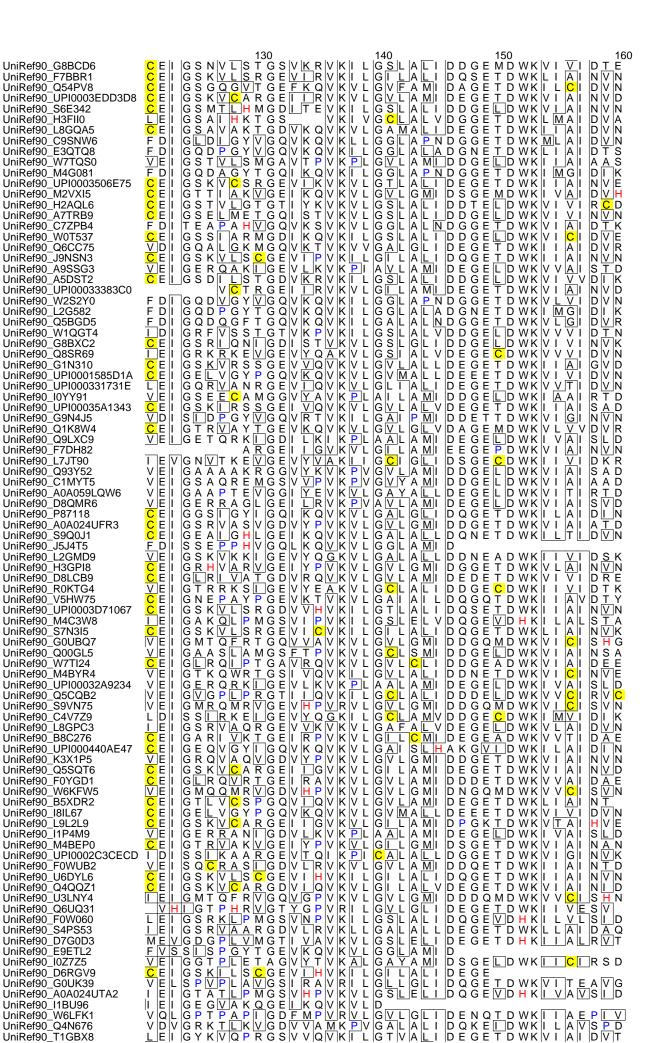
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UniRef90_Q93Y52	A Y S <u> V </u> E E K G P K D S L E Y R <u>M</u> F F K Q G A K E V S <mark>C</mark> W H E I P L Y A G D
UniRef90_C1MYT5 UniRef90_A0A059LQW6	II IE Q G P T N T T E Y RIVIF F E R D G D K A S P W H C II IPIL IH A G D
UniRef90_D8QMR6	Y Q V R E Q G E A Q S M G Y R A F L L A N G K T L S P W H D V P L K S P L G G
UniRef90_P87118 UniRef90 A0A024UFR3	IVIY T T K QIVIG A K D TIVID S RIVIYIVIN A S T FIVIM S P WH DII IPII IH G F N R S
UniRef90_S9Q0J1	<u>FILIT</u> RF <u>K</u> GKPHT <u>P</u> EFR <u>A</u> Y <u>C</u> YNKEKP V SF <u>L</u> HD V P L F S <u>K</u> E
UniRef90_J5J4T5 UniRef90 L2GMD9	S L S L R E V G A R N T L D W R V W L E Q D G N P I S F W H D I P L F P G N V S A Y T S K Q L G S K Y S S F K A Y L L K D G K V V S P F H D I P L M V D G S F
UniRef90_H3GPI8	H T I V I R R E G Q P G T I L I D C R Y F F Y D K G R K Q S P W H H I V I P I L I Y A R S S I L I
UniRef90_D8LCB9 UniRef90_R0KTG4	ESĞEEĞTLDYRLRFA <mark>H</mark> SQQVTSVWHDI PLYAEK <mark>C</mark> T F <u>GKIET</u> GKKYTESYKVFLTEGNKLISPFHNI NLY <u>S</u> ESAK
UniRef90_V5HW75	FIL VIKIV VIGEQEPAGSRII IFFEEEGRRII ISPWH DII IPILIYIVIDQGK
UniRef90_UPI0003D71067 UniRef90_M4C3W8	YRTEELGHPRSQDYRLFFKHAGHYISPFHDIPLKADC SFTS VGTFGRPDYKLYFKNDGEKISPWHDLPLHPSKDN
UniRef90_S7N3I5	Q
UniRef90_G0UBQ7 UniRef90_Q00GL5	TREEGEVHTPSYRVYFRDEERQVSPWHDIPLYVRQPV LEEAGEFGTTDYSMTFKSADKVMSPWHDAPLKLE G
UniRef90_W7TI24	T KVQEĞEHD TVDY KVHLDHN QERTİSLWHELPLFAAKPT
UniRef90_M4BYR4 UniRef90_UPI00032A9234	T K V Q E G E H D T V D Y R V H L D H N Q E R I S L WH E L P L F A A K P T E T E A V G A F P S F E F R V N F Y H T G Q Q I S P W H D I P L Y N P D T V K D E G Q P Q T L D Y R V F F D K S G K K V S P W H D I P L Q L G N T R E E V G T K D S L E Y R L F Y K N D G Y K I S P W H D V P L W F S E T P I K E E G Q I F T P S Y R V Y F K N L V R Q I S P W H D I P L W R D P V Y S T Q T I G E K Y S K D Y T V Y I T H N N K R I S P F H Y I D L H Q H P S E R E V G T P D T P G Y R V F F Y N E G K K I S P W H D I E P G T R I E Q H G D E N T T E Y R L K V D K A G K P I S L W H D V T L V H D R P T D G H V V S P V H D I P L L A D R S G
UniRef90_Q5CQB2	TREEVGTKDSLEYRLFYKNDGYKI SPWHDVPLWFSETP
UniRef90_S9VN75 UniRef90_C4V7Z9	
UniRef90_L8GPC3	REVIGTPDTPGYRVFFYNEGKKI SPWHDI EPGTRLEQ
UniRef90_B8C276 UniRef90_UPI000440AE47	HGDENTTEYRIKUDKAGKPIISLWHDVTLVHDRPT
UniRef90_K3X1P5	HTVRKMGEPETAE CRYFFDRMGRKQSPWHHI PLAAVPHG FSTEERAAPFSLEYRVFLKNEGQYISPFHDI PI YADK ERGSANTTDYRVHVLDSTKELSLWHDVPLAPESST EEGELFTPSYRIYFKDHVRPVSPWHDI PLRVCDPA
UniRef90_Q5SQT6 UniRef90_F0YGD1	FSIEERAAPFSILEYRVIFILIKNEGQYII SPFHDII IPII IYADK FRGSANTTDYRVIHVI IDSTKEII SII WHDVIPII APFSST
UniRef90_W6KFW5	E E G E F T P S Y R V F K D H V R P V S P W H D V P L R V C D P A
UniRef90_B5XDR2 UniRef90_I8IL67	TQTEEKGKFN33DTKETFK3DGKTE3FFTDEFEEKNGDQ
UniRef90_L9L2L9	Y S C E E R A ML F S L K Y R V F L K E K G Q Y L S P F H D L P M Y S D K
UniRef90_I1P4M9 UniRef90_M4REP0	YSCEERAMLFSLKYRVFLKEKGQYISPFHDIPMYSDK KEQGLPETLDYRVFLDGGGRKVSPWHDVPLRAGD HTVRRCGLHGTLDCRYFFYDDNEKQSPWHHVPLFAGNAL TIRTHKEGAENAKSFRLYFEQDGKKISPWHKLPAFVDK HSIRRIGSADSTACRYRFYDYKEQVSPWHDIPLRCENSD YRTEERGQLYSPDYRLFFKNAGHYISPFHDIPLKVDEHE
UniRef90_UPI0002C3CECD	TÜRTHKEGAENAKSERÜYFEQDGKKÜSPWHKLPAFVDK
UniRef90_F0WUB2	H S I L K R I L G S A D S T A C R Y R F Y D Y K E Q V S P W H D I P L R C E N S D Y R T E E R G O L Y S P D Y R L E E K N A G H Y I S P E H D I D I K N D E L E
Ulliveian_d4dd71	Y S V E E R G R P N T A E Y R L F F K N D G K F I S P F H D I P L H A R A E Q
UniRef90_U3LNY4 UniRef90_Q6UQ31	Y S V E E R G R P N T A E Y R L F F K N D G K F I S P F H D I P L H A R A E Q I R E E G E M F T P S Y R V R F T L E E R E V S P W H D I P L F V H D T T V N T T E E G P A G S K A W R M F Y K A T D T L V S A W H G L P L Y A G A S A
UniRef90_F0W060	SFQVVGTFGQPDYKLFFQDTNKKISPWHDIPL REPEK
UniRef90_S4PS53	SFQVVGTFGQPDYKLFFQDTNKKISPWHDIPL RIPEK TYVAEERGSPYSPDYRVFFRDAAGPVSPLHDIPLWADRGA HTNADGTFGTAPFQLGFTDTAKPASPWHDVPLDPGLGD
UniRef90_D7G0D3 UniRef90_E9ETL2	SYTH REMGARNIKD WRIVIWH IOKD GYPIVIS PWHDIVIPH IYPD NKP
UniRef90_I0Z7Z5	V S P W H D V A L R N E D Y H T E E R G Q P C S Q N Y R L F F K N T G H Y I S P F H D I P L K N D E Y E
UniRef90_D6RGV9 UniRef90_G0UK39	WAIKEVGMMGSHAWRMHFTEDG <u>VVI</u> SAWHDLPLY <u>P</u> SVDK
UniRef90_A0A024UTA2	GAKVSPWHDIPLYVNAS
UniRef90_I1BU96 UniRef90_W6LFK1	S F L S F T K G N L G T K E WR L F L K N N G H F V S A WH D L P R C P V Y C G
UniRef90_Q4N676	S F L S F T K G N L G T K E W R L F L K N N G H F V S A W H D L P R C P V Y C G R Y V G E P G T K S F R V F V N S S G K N V S P W H D L P L S P S E
UniRef90_T1GBX8	

	50 60 70 80
UniRef90_G8BCD6 UniRef90_F7BBR1	REANFIVICEII PRWSNAKFEII IATRIVPGNPII TODTKGKIVIRFIVIK
UniRef90_Q54PV8	Q I VN M L V E I P R G T N A K L E I A T K E Y MN P I K Q D K D G K L R F V
UniRef90_UPI0003EDD3D8 UniRef90_S6E342	D TIVID MIV VIEWID D WEN CKEEH EKKUI DEN DI VIAAAKKAKIVID EIVI
UniRef90_H3FII0 UniRef90_L8GQA5	K V F N M M V E I P R W T N A K M E I S T R D P L S P I K Q D K N G K A R F T S G I F N M V V E I P K N T R A K L E I S K E E A F N P I K Q D K N G K L R F V E
UniRef90_C9SNW6	QV VN FV VEI PRWEDAKI EI RRQEPLNPI FHDERGAPRFVE
UniRef90_E3QTQ8 UniRef90_W7TQS0	OTENEILIEILIPKETKAKMEIVIATKEELINPILISODKKGKII IR
UniRef90_M4G081	QIINFVVE PRWQDGKIEIKRSEPLNPIFDDRRGAPRYVE
UniRef90_UPI0003506E75 UniRef90_M2VXI5	QIINFVVE I PRWQDGKI EI KRSEPL NPI FDDRRGAPRYVE I QRLMQL L QI ATKDPL NPI KQDKKGKLRYVAGILNMI VEI PRWTNAKLELKSAEPL API VQDTKGKRRYVH
UniRef90_H2AQL6 UniRef90_A7TRB9	ATINMV VEI PRWTNAKFEI SKNERLNPI VQDKNGKERYVNGTVQMVTEVTRWSNAKFEI SKEDKYNPI VQDKNGQVRFVKNLVSYVVEI PRWTDGKETKRSEPENPI FDDKKDKPRFVE
UniRef90_C7ZPB4	NEVS YV VEI PRWT DGKETKRSEPENPI FOOKKOKPRFVE
UniRef90_W0T537 UniRef90_Q6CC75	NIVSYVVEIPRWTDGKIETKRSEPLNPIFDDKKDKPRFVERTCNMVVEVPRWSNGKFEISKSEPFNPITQDKKGKPRFVNDLVNMVVEVPRWSNAKMEISKSAELNPITQDKKDRVRFVRNLFNMVVEVPRWTNAKMEIATKEPLNPIKQDKCDKLRYVA
UniRef90_J9NSN3 UniRef90_A9SSG3	NILIEN MIV VIEIVIPRWI NAKMEII IAI KEPILIN PII IKQDKDGKILIRYIVIA
UniRef90_A5DST2	KEANEWCELIPRWSNAKEELLIRNAPGNPLVODKNGKWREWK
UniRef90_UPI00033383C0 UniRef90_W2S2Y0	GVFHMVVEVPRWSNAKMEI ATKDPLNPI KQDKKGKLRYVA AI VNAVVEI PRWENGKIELRRPEPLNPI EDDRNDAPRFVE
UniRef90_L2G582 UniRef90_Q5BGD5	GVFHMVVEVPRWSNAKMEI ATKDPLNPI KQDKKGKLRYVA AIVNAVVEI PRWENGKIELRRPEPLNPI EDDRNDAPRFVE QIINVVI EVPRWQDAKIEMARDEPMNPI LHDSRGSPRYVE QIINFVVEI PRNTDGKLEIRRSEPLNPI EHDERGSPRYVE
UniRef90_W1QGT4	RIAN MV VEI PR WVN A KYEI SKOFKAN PI VQDKKGKLRYLN
UniRef90_G8BXC2 UniRef90_Q8SR69	RIANMV VEI PRWVN AKYEI SKDFKANPI VQDKKGKLRYLN CTVQMVTEV SRWSNGKFEI SKELDFNPI VQDVKNNVRFV EI VSVVNEI PRFENGKFEI NKEEAFNPI KQDKKGWPRFVK
UniRef90_G1N310 UniRef90_UPI0001585D1A	VLFNMVVEVPRWTNAKMELATEEPLNPLKQDKKGKPRYVA DVKKGKLRFVR
UniRef90_UPI000331731E	KIYNMI <mark>C</mark> EIPRWTNAKMEIGTKLPLNPIRQDKKGKMRFVD
UniRef90_I0YY91 UniRef90_UPI00035A1343	GLVS FVCEI PKESSAKMECAT DEELT PIKQDKKGKLRHY
UniRef90_G9N4J5 UniRef90_Q1K8W4	NIL VINIL IYIL IETI IPRWI DAKILIET KRDKPMNPILIEHDDKDDIL IRYIVIA
UniRef90_Q9LXC9	GIVIF N FII VIEII IP K E S K A K M EIVIA T D E D F T PII IK Q D K K G K IL IR
UniRef90_F7DH82 UniRef90_L7JT90	DEFHMVVEVPDWSNAKLQI ATNDPLNPI KQYNKGNFHYVA DHINVVNEI PRFENAKFEI NKEKKMNPI MQDKNGKPRYVA
UniRef90_Q93Y52 UniRef90_C1MYT5	DHINVVNEI PRFENAKFEI NKEKKMNPI MQDKNGKPRYVA GHLHYI CEI PKETSAKMEVATDEPRTPI KQDKKGKLR GTCNFI CEI PKETKAKMEVATDEPLTPI KQDTKKGKLRDY
UniRef90_A0A059LQW6	GAFTFVSEI PKETSAKFEVATKERRNPI KODKKGKLRHY GLFHFVVEI PKESSAKMEVATDEPFTPI KODKKGKLR
UniRef90_D8QMR6 UniRef90_P87118	DTFNMIVITFILIPRWTQAK <mark>C</mark> FILISILITSPFHPILIKQDKNGKILIRYIVIA
UniRef90_A0A024UFR3 UniRef90_S9Q0J1	NVFNFVNEI SKGTRAKMEI AGEEAHNPI KQDKKGNLR GTLNMVVEI PRWTQAK <mark>C</mark> ELSNT PFNPI VHDMKNKLRYVQ
UniRef90_J5J4T5	NII NMYVEI PRWTDAKI ETKRNEPLNPI FDDKKKKPRFI F
UniRef90_L2GMD9 UniRef90_H3GPI8	E V F H F V N E I P R G S R D K M E I A G D E E F N P I K Q D K R K G I P
UniRef90_D8LCB9 UniRef90_R0KTG4	GHLNFV <mark>C</mark> EI PR <mark>C</mark> SRKKFEI ATNEVGNPI KQDTKKGL DVVR <u>V</u> VNEI PRFENAK <u>F</u> EI NKSENLN <mark>C</mark> I MQDKKGKMRFVG
UniRef90_V5HW75	GVLNMVVEIPKGTSAKLEISKEEDYNPIKQDTHGKPRYLA
UniRef90_UPI0003D71067 UniRef90_M4C3W8	K E E H D L P R K K A R N D E S S F N F I V E I P K G T A H K M E I N K E E Q Y N P I M Q D T T H N G T R G R
UniRef90_S7N3I5 UniRef90_G0UBQ7	S S F N F I V E I P K G T A H K M E I N K E E Q Y N P I M Q D T T H N G T R G R N L F N M V V E V P R W T N A K M E I A T E E A L N P I K Q D K D G K L R Y V A N R Y N F V C E I P K W T R A K F E I A T G E P F N P I K Q D M K D G V P
UniRef90_Q00GL5	GEVNMLTEI PKMTEKKMEVDTKAEGNPI KQDEKKGK GALNFI CEI PKFTRRKFEI CTTEAGNPI KQDQKNGKPRV
UniRef90_W7TI24 UniRef90_M4BYR4	GIVNEILICEILPKWIRKKMEILALGEPENPILKODIKNGK III
UniRef90_UPI00032A9234 UniRef90_Q5CQB2	GVFNFI VEI PKESSAKMEVAIDEPFIPI KQDKKGKLR
UniRef90_S9VN75	NRYNFI CEI PKWTRAKFEI ATGEPFNPI KQDIKNG
UniRef90_C4V7Z9 UniRef90_L8GPC3	DVVT VNE I PRFENGKFEI NKGVSLNPI KQDKKGKVRFVKGVLRYVVEI PKGTDQKMEI ATDEPWNPI KQDTR KDGALRPYLNFVCEI PKFSRKKFEI ATDEVGNFI KQDEKKG VL
UniRef90_B8C276 UniRef90_UPI000440AE47	PYILIN FIVI <mark>C</mark> EII IPK FSRKKFEII IAT DEIVIGN FII IKQDEKKG IVLI
UniRef90_K3X1P5	GV LN MI VEI PRWT N A K MV V T D E T M N P E Q E T R K G H P R F V R N I F N F V N E I P K G A R A K M E I A G E E E F N P I K Q D M K K G K D V F H M V V E V P R W S N A K M E I A T K D P L N P I K Q D K K G K L R Y V A
UniRef90_Q5SQT6 UniRef90_F0YGD1	PTFNF V <mark>C</mark> E PK <mark>C</mark> TRKKFE V ATNEH <u>V</u> TP KQD <u>T</u> KKG
UniRef90_W6KFW5 UniRef90_B5XDR2	NRYNMICEIPKWTRAKFEIATNEPFNPIKQDLKNG ELYNMVVEVPRWSNAKMELATKEPLNPLKQDKKGKLRYVA
UniRef90_I8IL67 UniRef90_L9L2L9	DVF H MV VEVPR WPNAKMETATKDPLTPTKDVKKGKLRYVA
UniRef90_I1P4M9	GIVIF H FIV VIEII IP K E S S A K M EIVIA T D E S F T PII IK Q D K K G NIL IR
UniRef90_M4BEP0 UniRef90_UPI0002C3CECD	THYYFVNEIPRGSRHKMEIAGDEAFNPIKQDERKG VPNTVNMVCEIPRGTNAKMEINTTTTRFNPIKQDLNKDGSLR
UniRef90_F0WUB2 UniRef90_U6DYL6	SILIEHEILISEILIPRGERAKILIEILIA <mark>C</mark> KEAYNPILIKODIVIT RTGS
UniRef90_Q4QQZ1	D <u> V </u> F N M V <u>V </u> E V P R WT N A K M E I A T K E <u> L L</u> N P I K Q D K K G K L R Y <u>V</u> S
UniRef90_U3LNY4 UniRef90_Q6UQ31	ERYNFICEIPKWTRAKFEISTGEAFNPIRQDMKNGL DVLTCVTEIPKGTRAKLELSKEEPYNPIKQDLFKKEGHPL
UniRef90_F0W060 UniRef90_S4PS53	DVLTCVTEI PKGTRAKLELSKEEPYNPI KQDLFKKEGHPLHLYNFVVEI PKGVMYKMEVNKESAHNPI MQDTTHNGTRGRRLAHMVVEVPRWTNAKMELSLAEPLNPI RQDKRGALRFVA
UniRef90_D7G0D3	GIVIEREIL VIEILIPMY OTAKMEIVIMK DIVIAEN PILIMODESK GKPRY
UniRef90_E9ETL2 UniRef90_I0Z7Z5	GVINFVVEI PRWTDGKEETQRNEPLNPLFHDTKNKPRFVA GTLNFVCEIPKDTSAKFEVATGEERNPIKQDVKKGV
UniRef90_D6RGV9 UniRef90_G0UK39	NII IE N MII VIEII IP R WT N A K M E II IA T K E P M N P II IK O Y K D G K II IR Y IV IA
UniRef90_A0A024UTA2	IV VIN FIV VIFILIF K G R M F K M FIVIN K RILIP F N PILIK Q DIVIL K L N H L R Y
UniRef90_I1BU96 UniRef90_W6LFK1	MV VEI PRWSNAKIEVSIGEKFNPLKQDKKGKPRFVRNIFTYVNEIPRGSRAKMELIKEETYNPISQDRFNKMGQPLGHVTMV VEIPRNTRAKMEIGTGLEHNPIVQDLFGSLRDDC
UniRef90_Q4N676 UniRef90_T1GBX8	GHVT MVVELPRNTRAKMEL GT GLEHNPL VQDLF G SLRDD <mark>C</mark> LSLKNPLNPLKQDKKGKLRFVA
J	

UniRef90_G8BCD6 UniRef90_F7BBR1 UniRef90_Q54PV8	90 100 110 120 N L F P Y H G Y H N Y G A F P Q T WE D P F V Q H Y N L Y G D N D P L D V N L F P H K G Y W N Y G A L P Q T WE D P H R K E K S T D C C G D N D P L D A N L F P Y K G Y W N Y G A L P Q T WE D P G H N D K H T G C C G D N D P L D A N L F P Y K G Y W N Y G A L P Q T WE D P G H N D K H T G C C G D N D P L D V
UniRef90_UPI0003EDD3D8 UniRef90_S6E342 UniRef90_H3FII0 UniRef90_L8GQA5 UniRef90_C9SNW6	NI FPFHGYI QNYGAI PQIWEDPIREAGLGSI KGDNDPLD <mark>C</mark> NI FPHRGAL WNYGAL PQIWENNTHVDPRTGATGDNDPLDV
UniRef90_E3QTQ8 UniRef90_W7TQS0 UniRef90_M4G081 UniRef90_UPI0003506E75	SVWPHKSYPFLYGSIPQTWESPNYKHGFTGLIGDNDPVDL
UniRef90_M2VXI5 UniRef90_H2AQL6 UniRef90_A7TRB9 UniRef90_C7ZPB4 UniRef90_W0T537	N F P F N G Y H N Y G A P Q T WE D P T E L D T V L G L N G D N D P L D C N L F P F K G Y L H N Y G A P Q T WE D S T E L N G T E S L K G D N D P L D C S V W P H K S Y P F H Y G S I P Q T W E S P N Y D H D F T G Y P G D N D P I D L
UniRef90_Q6CC75 UniRef90_J9NSN3 UniRef90_A9SSG3 UniRef90_A5DST2 UniRef90_UP100033383C0	NF P H K G Y L WN Y GAL P Q T WE N P H V K D S L T D C C G D N D P I D V NF P H K G Y L WN Y GAL P Q T WE D P H R K D K S T D C C G D N D P I D V NF P H K G Y L WN Y G L P Q T WE D P S H S N P D V N A F G D N D P V D V NF P H H G Y L H N Y G A F P Q T WE D P T E K H Y D L F G D N D P L D V NF P Y K G Y L WN Y G A L P Q
UniRef90_W2S2Y0 UniRef90_L2G582 UniRef90_Q5BGD5 UniRef90_W1QGT4 UniRef90_G8BXC2	SVWPHKTYPFVYGSIPQTWENPNVNHSFTEAPGDNDPIDF NVWPHKSYPFLYGSIPQTWESPNFKHEFTGLNGDNDPVDL SVWPHKSYPFLYGSIPQTWESPNFKHDFTKEPGDNDPVDL NIYPNHGVPHNYGAFPQTWESPLESSSLVNQNGDNDPLDV
UniRef90_Q8SR69 UniRef90_G1N310 UniRef90_UPl0001585D1A UniRef90_UPl000331731E	NV F P M K G Y L WN Y G A L P Q T WE N P H E V D R H T G A R G D N D P L D V N L F P H K G Y L WN Y G A L P Q T WE D P N H T D N L T G C C G D N D P V D V N C F P Y K G Y L WN Y G A F P Q T WE D P N H V D P R T F A K G D N D P L D V
UniRef90_I0YY91 UniRef90_UPI00035A1343 UniRef90_G9N4J5 UniRef90_Q1K8W4 UniRef90_Q9LXC9	PYNINWNYGML PQTWEDPAHKAQDGGVAGDNDPVDV NIFPHKGYIWNYGAL PQTWEDPNHKDDVTGCCGDNDPIDI SVWPHKSYPFLYGSLPQTWENSNIKHNFTGYVGDNDPMDV NLFPYKGYPWNYGCLPQTWESPHYKEGAEGARGDNDPIDA YYPYNINWNYGLLPQTWEDPSHANSEVGCFGDNDPVDV NLFPYKGYIWNCGAIPHTWKDSGHNDKPTGCCGDNGPIDC
UniRef90_F7DH82 UniRef90_L7JT90 UniRef90_Q93Y52 UniRef90_C1MYT5 UniRef90_A0A059LQW6	FYPYNINWNYGAIPQTWEDPSVKNINING-FGDDDPLDV PYNINWNYGMIPRTWEDPGHTDATLGAAGDNDPVDV PYNINWNYGMIPRTWEDPGHFHPFMKVMGDNDPVDV
UniRef90_D8QMR6 UniRef90_P87118 UniRef90_A0A024UFR3 UniRef90_S9Q0J1 UniRef90_J5J4T5	P M N I N W N Y G L F P Q T W E D P K H K H P G I D A Q G D N D P V D V F Y P Y N I R W N Y G L L P Q T W E D P N H A N P E V G A L G D N D P V D V N S F P Y H G F I W N Y G A L P Q T W E D P N V I D S R T K M K G D G D P L D V F Y H F D S L V N Y G A L P Q T W E D P N V I D P A T Q H G G D N D P I D V N C F P Y H G Y I W N Y G A F P Q T F E D P N K L D A H T N L K G D G D P L D V S V W P H K T Y P F N Y G S I P Q T W E D S T V V H N F T G Y V G D N D P M D I
UniRef90_L2GMD9 UniRef90_H3GPl8 UniRef90_B8LCB9 UniRef90_R0KTG4 UniRef90_V5HW75	NVFPSFGYPFNYGALPQTWENPMLEDSECKARGDNDPVDI RLYHSAS LVNYGCLPQTWEDPNHVDPNTRHGGDNDPIDV REFKKGDIFFNYGCFPRTWEDPEHVHPDTKFPGDNDPLDV NVYPFKGYLWNYGALPQTWEDKDEVCSFTNCKGDNDPLDV DIPPFQGYPCNYGAFPQTYESPDIVDDKTGIQGDDDPLDV YE TWEDPHLRDKSTDCCGDNDPIDV
UniRef90_UPI0003D71067 UniRef90_M4C3W8 UniRef90_S7N3I5 UniRef90_G0UBQ7	T WE DPHL RDKSTDCCGDNDPIDV D YLYGVPFFNYGML PQTWEDPGVKDGSGN GGDNDPLDV NIFPHKGYIWNYGAL PQTWEDPHRNDRSTDCCGDNDPIDV RFYKHGDMMWNYGAL PQTWESTEV LSEVGVGGDNDPVDA RLYHGPIF WNYGCLPQTWEDPNVKDDVGGAFGDNDPVDV FSKGDIFFNYGCFPRTWEDPQHVPEDVGGVGDNDPLDV
UniRef90_Q00GL5 UniRef90_W7T124 UniRef90_M4BYR4 UniRef90_UP100032A9234 UniRef90_Q5CQB2	FYPYNIHWNYGL PQTWEDPSLANHEVGAFGDNDPVDV LRTYPGPLPWNYGAFPQTWEDPNKKGDENFSHGDNDPLDA
UniRef90_S9VN75 UniRef90_C4V7Z9 UniRef90_L8GPC3 UniRef90_B8C276 UniRef90_UPI000440AE47	NI FPFNGYMWNYGALPQTWEDKDVECGYTFQKGDNDPLDVYLK HGPVLCNYGAFPQTWEDPSEAHPQVNLAGDNDPIDVREFKKGDLFFNYGCLPRTWEDPTYLHPDAGCRGDNDPVDVNCFPHHGYIWNCGFPQTWDNLTVAHSEMRRSGDGGPLAV
UniRef90_K3X1P5 UniRef90_Q5SQT6 UniRef90_F0YGD1 UniRef90_W6KFW5 UniRef90_B5XDR2	PRFYHFDSL VNYGCL PQTWEDPNHVDADTKFGGDNDPIDV NLFPYKGYI WNYGAI PQTWEDPGHNDKHTGCCGDNDPIDV REFKKGDL FFNYGCFPRTWEDPRHTSPDTGYPGDNDPIDV RFYKHGDMMWNYGAMPQTWEDPNHTDKDTKCCGDNDPIDA NVFPHKGYLWNYGALPQTWEDPNHTDKDTKCCGDNDPIDV
UniRef90_I8IL67 UniRef90_L9L2L9 UniRef90_I1P4M9 UniRef90_M4BEP0 UniRef90_UP10002C3CECD	T WE DPNTVHPETKAKGDNDPL DV NLFPYKGCI WNDGAI PQT WE DRGHNDKHTGFCGDNDL I DV YPYNINWNYGLFPQTWEDPTLANTDVGAFGDNDPVDV RLYHSAS LVNYGCLPQTWEDPQYVDGATKHRGDNDPI DV FLK HGNVLNHYGAI PQTWEDLFEKDSLVGLPGDNDPVDI
UniRef90_F0WUB2 UniRef90_U6DYL6 UniRef90_Q4QQZ1 UniRef90_U3LNY4 UniRef90_Q6UQ31	ARFYHSDSLVNYGCLPQTWENPFLLDPHTGFKGDNDPVDV NIFPHKGYIWNYGALPQTWEDPHQKDKSTDCCGDNDPIDV NLFPHKGYIWNYGALPQTWEDPKHIDKCCGDNDPIDV RFYRHGDMMWNYGALPQTWESTEVKFEGGYYGDNDPIDA RYFSYGDMPFNYGFLPRTWEDPVHIDPNTKCSGDGDPVDV
UniRef90_F0W060 UniRef90_S4PS53 UniRef90_D7G0D3 UniRef90_E9ETL2 UniRef90_I0Z7Z5	S FLYGVPFFNYGMFPQTWENPQARNTDGN GGDNDPLDV NVFPHRGYIWNYGALPQTWEDPRHVDAATRARGDNDPVDV YTYGVPFFNYGLLPQTWEDPFLKDKE GHGGDNDPLDV SFWPHKTYPFLYGSIPQTWENKNVKDNYTGLVGDNDPVDL PRFYPYTIPWNYGMLPQTWEDPQAAHADPGVGGDNDPVDV
UniRef90_D6RGV9 UniRef90_G0UK39 UniRef90_A0A024UTA2 UniRef90_I1BU96	NI_FPYKGYI_WNYGTL_PQTWEDPHEKDKSTNCFGDNDPI DV RFFSYGDI_PFNYGFTPRTWENPTLQDEQTRCVGDGDPI DV YI_YGVPFF NYGMI_PQTWEDPSMKD AAGHGGDNDPI DV
UniRef90_W6LFK1 UniRef90_Q4N676 UniRef90_T1GBX8	NCFPHKGYIWNYGALPQTWEDPTDLHSETGARGDNDPIDARFFAYGNIPFNYGFIPQTWENPDSLDKETKCYGDGDPIDVPMY WNYGAIPCTWEAPNGEERRMSLVGDNDPLDVNCFPHHGYIWNYGAFPQTWENPDHLEPSTSCKGDNDPIDV



UniRef90_G8BCD0 UniRef90_F7BBR1	DPFA	SKFHD	ו עומ מו ו	KKYKF	GYIFA	TINWFR	FYKVP	200 D G K P A N E G K P E N
UniRef90_Q54PV8 UniRef90_UPI0003 UniRef90_S6E342	D P L A SEDD3D8 D P D A	S Q L N S A N Y N G	Q E D I II K P H L I	EKHLF SDF	GKLNE	VYTFLR TREW <u>F</u> K	DYKLP	DGKGPN
UniRef90_H3FII0 UniRef90_L8GQA5 UniRef90_C9SNW	D P V A D P L A	NDVNS	M D D V	ERVFF	GQPKA	TREYLR	TYKLP	SGKGEN
UniRef90_E3QTQ8 UniRef90_W7TQS	D P L A D P M A	G E L N D	I A D V I	E A K L	GIV VIS GI	IREWER	WYKI <mark>P</mark>	R G G D V I R G D A V I D G K P V N
UniRef90_M4G081 UniRef90_UPI0003 UniRef90_M2VXI5	506E75 D P <u>E</u> A	PLVNS ENYND EELND	I NDV	RRMK F YRMI F	G Y L E A	F R D WF T T V D WF R T F S WF R	RYKVP	DGKKEN
UniRef90_H2AQL6 UniRef90_A7TRB9 UniRef90_C7ZPB4	D T L A	KEISS PKLNN ALVDT	L	EK <mark>C</mark> MF DLYFF EKYRF	GLLEH GLLDS GLAQT	T R E W F R T R T W F R F Y E W F T	KYKIP NYKIP YYKVA	Q G K P A N D G K P A N R G D E V L
UniRef90_W0T537 UniRef90_Q6CC75 UniRef90_J9NSN3	DELT DPRA	PKLHT AKIN	L A D V I D I	DKYMF SDVSK	G L L D A	T R T WF R I Y D WF K T L N WF R	DYKI P YYKV P	T G K P P N D G K P A N
UniRef90_A9SSG3 UniRef90_A5DST2	D P K A	DLINN	V A D C I	E R HIL IF	GTLTA	I R D WF R T K Q WF K T V D WF R	DYKIP	D G K P A N D E K P E N
UniRef90_UPI0003 UniRef90_W2S2Y0 UniRef90_L2G582	D P I A D P L A	E F I N D P L L N S	WE DV	K K L K F E K Y R F E K Y R F	GYLEA GVTQA GTIKT	F R D WF T F R D WWT Y R N WF T	Y Y K V A Y Y K V A	D G K P E N R G D D L I R G D P V I
UniRef90_Q5BGD: UniRef90_W1QGT UniRef90_G8BXC2	4 DPFA	A FILIN DI	I IK DIVI	YFKMF	GIVIENI	Y R N W F T L K R W F E T R E W F R T L F W F <u>K</u>	IVIYKII IP	R G D S L I T G K E P N A G K P E N
UniRef90_Q8SR69 UniRef90_G1N310 UniRef90_UPI0001	DEKA DPEA 585D1A DPLA	KEIND QKIHG PKIND	I E D V V G V S V F D V	RKVYE SNFEE FRHIF	GLLEQ LYFSA	T L F W F K T E S W F L T N F W F R	NYKVP NVKEV	DGKPKN DERLK DGKPEN
UniRef90_UPI0003 UniRef90_I0YY91 UniRef90_UPI0003	31731E DPLA DPKA 35A1343 DPEA	N R L N D	V D D V	DRY <mark>C</mark> K EREFF	GELDK	T R R WL T	DYKKP	D G R P L K D G K P E N A G K P E N D G K P E N D G K P E N R S G Q L N
UniRef90_G9N4J5 UniRef90_Q1K8W								EGRKKN
UniRef90_Q9LXC9 UniRef90_F7DH82 UniRef90_L7JT90	D A D A D E N A	A N Y N D K H V N D	V	K Q L K	GYLEA GLQNV	I R D W F R I V D C F R I Y N W F M	INYK L A	D G K P E N D N K P K N
UniRef90_Q93Y52 UniRef90_C1MYT5 UniRef90_A0A059	DPKA DPKA _QW6 DPKA	KHVND ALCND KDVND AEVNS	V E D V V A D V V E D V	EKHFF EKHFF ERVFF	GEL DR	I	DYKTP	D G K P A N D G K P Q N D G K G Q N
UniRef90_D8QMR UniRef90_P87118 UniRef90_A0A024	DPKA DPRA JFR3 DPLA	K D V N D A E V N S A L V N D K L L N D A Q L H D	ESDV ISDV IDDI	EYŸFF QNLMF OKHAF	P G T L T E P R L L P <mark>C</mark> P A T V A A	<u>L</u> R D W F R T R D W F A	DYKVP IVKIP	DGKPKN
UniRef90_S9Q0J1 UniRef90_J5J4T5 UniRef90_L2GMD9		$N_1 \sim 11 \text{ M} \cdot 131$	V D D L	EVFRE	GSKEA	I R D WF R T R D WF A F Y D WF V	VYKLP YYKVI DYKVP	D G K P R N K G S G K N
UniRef90_H3GPI8 UniRef90_D8LCB9	D P L A D R W A	A H V N D P E L N D	LRDL	R D T P L E R L L F	HDVEQ GVVPA GLIKD GFLGK GYLEA	FYDWFV IFKWFR VHRWFR IREWFR	DYKIP	D G K P P S D G K P E N
UniRef90_R0KTG4 UniRef90_V5HW79 UniRef90_UP10003	D P L A D71067 D P E A	SKLSD EKFHD		E T HL F K K F K F	GFLGK GYLEA	T F T WF R L K D WY C T L N WF R	L	E G K P Q N D G K P E N
UniRef90_M4C3W UniRef90_S7N3I5 UniRef90_G0UBQ	DPEA DPV <mark>C</mark>	SKFHD RFIKN	V N D L (I D D V I I O D V	QSVKF RKYKF PKFI	GVVDA GYLEA GCIDA	L	FYKV <mark>P</mark>	E G K P E N E G K P E N Q G G V E N
UniRef90_Q00GL5 UniRef90_W7TI24 UniRef90_M4BYR4	D E H A D R W A	S A I N D	V D D I I V Q D V I	E K Y Y F E R L L F	GTVSG	I REWFR VREWFR	WYKTP	D G K P V N D G K P E N
UniRef90_UPI0003 UniRef90_Q5CQB3 UniRef90_S9VN75	22A9234 DPKA DPHA	S L V N D S Q L N D	V D D V I	E K H F F	GTLTA GTIDR	I R D W F R	DYKIP	D G K P A N E N K K V N Q G G V E N D G K P E N E G K Q K N D G K P P N
UniRef90_C4V7Z9 UniRef90_L8GPC3	D P L S D P K A	E K I N T	K K D I	E E Y F F	KYIEN	TIYWLK VQEWYR	NYKVP VYKVA	D G K P E N E G K Q K N
UniRef90_B8C276 UniRef90_UPI0004 UniRef90_K3X1P5	D P L A	DLVHD	V R D L	AKTEL	GIL VIS A		II IY EILI <mark>P</mark>	D G K P P N D G K R P S
UniRef90_Q5SQT6 UniRef90_F0YGD1 UniRef90_W6KFW	D R WA D P T	ANYNV SELND RFMKD	V D D V	ERLLF	GTVGL G <mark>C</mark> LDA	I R E WF R M R E WF R	TYKI P	D G K P P N Q G G V E N
UniRef90_B5XDR2 UniRef90_I8IL67 UniRef90_L9L2L9	D P L A D P D A	V DI K S	THDY					DGKPEN
UniRef90_I1P4M9 UniRef90_M4BEP0 UniRef90_UPI0002	D P K A	S L V N D	V D D V I I R D I	HKTPI	H DIVIS O	I R D WF R V <mark>H</mark> R WF R V R E WY R	DYKIIP	DGKPPS
UniRef90_F0WUB: UniRef90_U6DYL6 UniRef90_Q4QQZ	DPEA	A E V E D S K F H E K F N D			R <u>VLL</u> PR	<u>I</u> TEWFR	DYKLP	E G K K L N D G K L P S
UniRef90_U3LNY4 UniRef90_Q6UQ37 UniRef90_F0W060	D P L A S A	R F L K D	<u> </u>	PRFLF SKVPC	Q E L <u>Q</u> A T l	I I D W <u>F</u> E	NYKVP	QGGVEN DGKKRN EGYPVN
UniRef90_S4PS53 UniRef90_D7G0D3					_		MYK <u>T</u> S	D G K P P N
UniRef90_E9ETL2 UniRef90_I0Z7Z5 UniRef90_D6RGV9	9						DYKLP	R G K G L N D G K P P N
UniRef90_G0UK39 UniRef90_A0A024 UniRef90_I1BU96	JTA2 DPII IA	V T Y G H S V I H T	V D D I :	SAHRF	HII VIF OI	I VID WII K	NYKIIIP	D G K K P N E G K P V N D G K D K N
UniRef90_W6LFK1 UniRef90_Q4N676 UniRef90_T1GBX8	D E <mark>H</mark> Y D P I I A	MGKVV SNINE DKLND	YGSL LEDV VSDV	ER <mark>VPN</mark> DKFYF DKYYF	MEVQRL GTTTG GLLRA	I V D W F R L L E F F R T I E W F K	NYKUS WYKTP NYKUP	D G K D K N E G K P Q N R G K P L N

			210			220		230	240
UniRef90_G8BCE UniRef90_F7BBR	06 AF.	AFDGQF	KSAK	X E T V	EIVI	QQ <mark>C</mark> N'	TSWRN	ILVDGK	(VTDAK <mark>LP</mark> S (K <mark>C</mark> DGGAIN
UniRef90_Q54PV	8 QF	A F D G K [.]QS∏í	ЭFŞM	KľiE	ETE	AEWK	D V G G K	TKSS LS
UniRef90_UPI000 UniRef90_S6E34	FF	AFGGOY	/ K D A (Y Y T I V I	OIL VIE	? F <mark>C H</mark> ∣	FAWK	CILLISG	TIVIDGDNIII
UniRef90_H3FII0	TF	GFDGKF	MDAA	A F C H	E V I E	EETH	GFWK	(L I K V <mark>E</mark>	KPHLNTLA
UniRef90_L8GQA UniRef90 C9SNV	.5 K.F. √6 P∏	GFDGKF AFEGKA IGET	AKPRI (QNA)	JYA <u>L</u> FFAT	K I I E A V V E	EKGHI	AFWKF EYWR[R L V A G E D L I S G	A E P K G I S A V D S N S I N
UniRef90_E3QTQ UniRef90_W7TQS	8 D	V G D W	QNV	ΓΥΠΚ	GVIE	EESHI	KTWAE	LUGGG	Q VDSNELN
UniRef90_M4G08	1 P [V GET		T M M R	DVLE	EKSH	K S WL	LIRGE	VDSNK N
UniRef90_UPI000 UniRef90 M2VXI	3506E75 Q.F. 5 ∏.F	A F N G E F A F R F F II	- K D K I - O S R 9	OFA <u>V</u> SYAM	N V I K	(STH) FF <mark>C</mark> H)	EHWKA KSWHA	ALIA K	(
UniRef90_H2AQL	6 TF	AYNGE	Z R N D	ĘŢÜ	NVIE	KCH	ASWR		A E P K G I S A V D S N S I N Q T D A G K E V D S N K I N Q K T D G G E I S R V T H P N H N Q I H E D S A
UniRef90_A7TRB UniRef90_C7ZPB	9 <u>E F</u> 4 E T	AFDGQY V GGDY	/ K D K L / Q N A ł	S E I ILLI S F M A	E II I K	(D S H (ESWK F GDWQ[LESG LVRGK	(VDSNEIN
UniRef90_W0T53 UniRef90_Q6CC7	7 Q F	AFNGE		ATTL	B T V C	Q D <mark>C</mark> H I	NAWS 1	LVSDE	KTDDQKIE VPAGELD
UniRef90_J9NSN	3 Q.F.	AFNGEF	KNKI	┥					
UniRef90_A9SSG UniRef90_A5DST	2 K.F.	GLCNKF AFEGKY	/KNA1	$N \in T \mid L \mid$	EII VIC	3 G <mark>C H</mark> I	D S WK (DIL V L IG N	R V V P A G E L S I K N G S E I K
UniRef90_UPI000	33383C0 E F	AFNAEF	KDKI	D F A V	DIIIK	(STH	DHWKA	LVTK	K T D G K G I S
UniRef90_W2S2Y UniRef90_L2G58	2 D I	V GETY (V GDW)	,	F M Q	D V L I	DSH	чт WKL RTW <u>E</u> E)	(V DSNE I N
UniRef90_Q5BGI UniRef90_W1QG	05 P I Γ4 S F	V NNT	/ V N A 1	T F A A	SVVC	QQSH (G Y WL	LVSG	TVDSNEIN
UniRef90_G8BXC	2 S.F.	A F D G H	KNA		QI I K	Ž E <mark>Č</mark> H I	KEWES		LHGDNLPS ILHK (S DTNIC
UniRef90_Q8SR6 UniRef90_G1N31	U EF	KYHGIII	- 5 K L	$\mathcal{I} \vdash A I V I$	EII I IK	(S H	E Y VV K <i>F</i>	NIL LI <mark>H</mark> K	KIEGGIVK
UniRef90_UPI000 UniRef90_UPI000	1585D1A Q F	AFTGE (GLDGNF	KNKŁ	$\langle Y A T \rangle$	DII VIR	RECAI	EAWE	(ILIITGK	(TTPG DIVIS
UniRef90_I0YY91	O.F.	GYDDT\	$N \cap N K F$	= F T	$M V I \Delta$	AFTH(GFYAK	III KSGF	RENTEGLIS
UniRef90_UPI000 UniRef90_G9N4J	35A1343 H F 5 V I	A F N G E F	· KNK[· QDAI)	EIIIK EIV	STHI SESH (E H WK S G F WK D	5 L L H K K D L V S G K	KA DGGAI <u>K</u> KEK <mark>P</mark> GK IV
UniRef90_Q1K8V	/4 R.F. 9 R.F.	ALGGEV	VKGR	E Y A V	GVIK	KECEI	EMWKE	LVKGE	VEGSEDV <mark>C</mark> RSVDAGDLS
UniRef90_Q9LXC UniRef90_F7DH8	9 KF 2 EF,	A F N A E F	KDKI	ALY		STH	D H WK A	LVskk	(
UniRef90_L7JT90 UniRef90 Q93Y5	SFL SKF	L D Y G E L G Y D N K (_ K	=	N I I I K	(E <mark>C</mark> HI (FTHI	ENWK F FAYV k	KILIM K	RANSEELS
UniRef90_C1MY7	5 A F	GLNDE (MDKA	A Y T M	A V I E	EETS	GFYDK	(LKSGA	R E N D K G L S
UniRef90_A0A059 UniRef90_D8QMF	R6 RF	GIL IG N K A	AAGKI	D Y A L	KIVIIG	Q E T H	Q A WIV I	LUNGK (LVT F	KRGDTEGLA RSVPAGDLS
UniRef90_P87118 UniRef90_A0A024	R F	FFDGNY AFDGHA	/ L P K S	SDAL	D I I A	4 Q <mark>C</mark> H (QHWK ASWK(
UniRef90_S9Q0J	1 <u>V F</u>	GILISGEF	F L P K S	S I A M	E I I I I	N E <mark>C H</mark> /	A S W K		/ T / / D /
UniRef90_J5J4T5 UniRef90_L2GMD)9 I F	HGDKF AFNGKF	FINAF	RFAK	DIVI	(KTH	F S WK S	S	KTKKDK IIN
UniRef90_H3GPI UniRef90_D8LCB	B DF	A F D G K A A L D E R (A Q P R [DFAV	DIVIC	H T O C	E S WK (DL VIGDE	LAGNNKLT (AELGENLS
UniRef90_R0KTG	4 <u>V F</u>	G L NSE I	QNKE	E F A L	KIIIC	QGAH	ASWK	(LIDQK	
UniRef90_V5HW7 UniRef90_UPI000	′5 E <u>[V]</u> /3D71067 K.F	A L G G Q L A F N G E F	FKNKA	A F A L	DVIN	ISAHI	GTWKS ERWKE	MVM K	KK <mark>C</mark> DKGA∐S
UniRef90_M4C3V	/8 V F	SQNRF	ASKE	$\exists A A I $	QI V V	/ E T H	ERWQ	(LKAGE	CQCDGGA∏S
UniRef90_S7N3I5 UniRef90_G0UB0)7 K.F.	AFDGEF	KDKA	$A Y T \overline{M}$	KVIC	DEAHI	HMWRF	RLRK	
UniRef90_Q00GL UniRef90_W7TI24	5 G F	GHGEKA ALGEE	AILIG A A	AETK	K V I E	E	GHYKk	(IL LIA GE	TDAGK
UniRef90_M4BYF	84 K Y	GYDDK <mark>(</mark> GLGNK	<u> </u>	DFĀĒ	A T V A	AETHI	EFWKL	LIEQF	R G
UniRef90_UPI000 UniRef90_Q5CQE	R2 MY	GHEGE	\overline{O} S A F	FAH	SVI <u>L</u>]EŢHI	H S Y L F	L I R G E	AMNSSSL
UniRef90_S9VN7 UniRef90_C4V7Z	5 K.F.	AYDGEF GLHGDF	FKDKA	AFTM	R I V E	EESHI	F M W Q N	I L R M I k	(KKE
UniRef90_L8GPC UniRef90_B8C27	3 S Y	A F D D K A GL D E K F	A II ID		F	RHGHI	F S W R k	(II IF T A F	RSSPKFAFD
UniRef90_UPI000	440AE47 S L	AFGGQA	A R G R I	N Y T N	A T I S	3 R <mark>C</mark> H I	KGWYF	$R \mid L \mid I \mid M \mid E \mid E$	DSTGNG V Y
UniRef90_K3X1P UniRef90_Q5SQ1	5 E.F.	AFNGEA	QSRI	O F A V	D V I Y	QTHI	ESWKO	QLVGNE	LTTPTKLW
UniRef90_F0YGD UniRef90_W6KFV	1 KF	AFEER <mark>(</mark> VFNGEF	CLP A A	AYAL	KVI	HETH	ESYLE	L L KE	G K G H E D L H
UniRef90_B5XDR	2								
UniRef90_I8IL67 UniRef90_L9L2L9		A F S G E (KNKI	K Y A L	E VIF	RECAI	D A WE K	CLMTGK	KS PKGETS KKTDGKGIS
UniRef90_I1P4M9)	C S E G H F	RRNQI	REMG	EUGE	KEY	P C WR A	\ L	
UniRef90_M4BEF UniRef90_UPI000 UniRef90_F0WUE	2C3CECD K Y	A F N G E A A Y G G K A	AFGQI	RETM	DAIN	VESH		LKMTC	OKKLAK
UniRef90_F0WUE UniRef90_U6DYL	32 E.F. 6	A F D G K A	QSQS	S L A L	K V I E	EETHI	NNWK	DLMAN F	K
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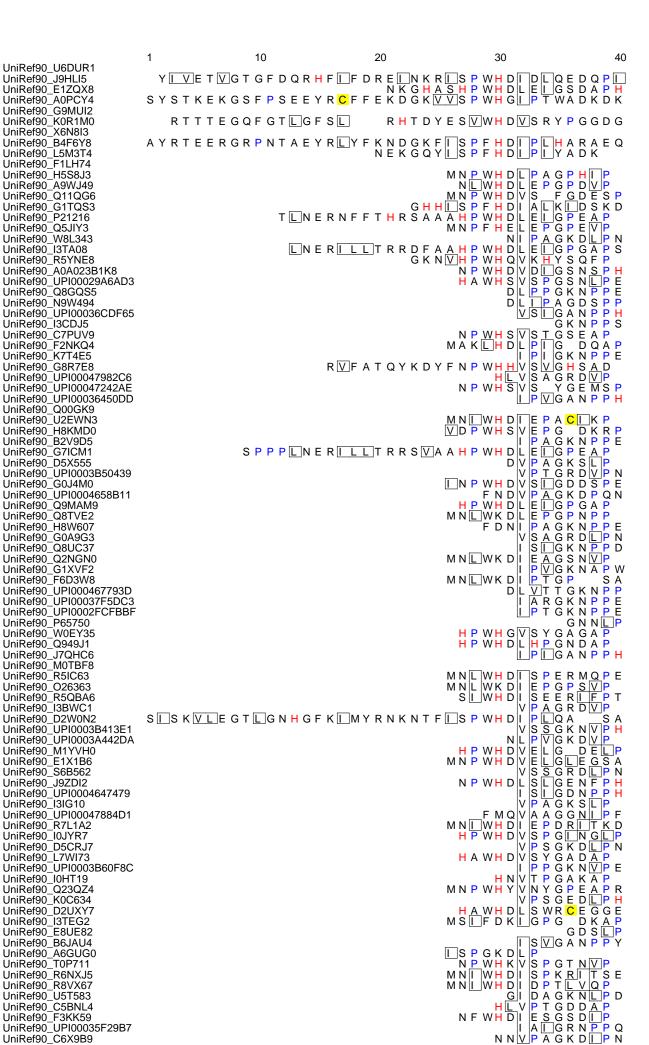
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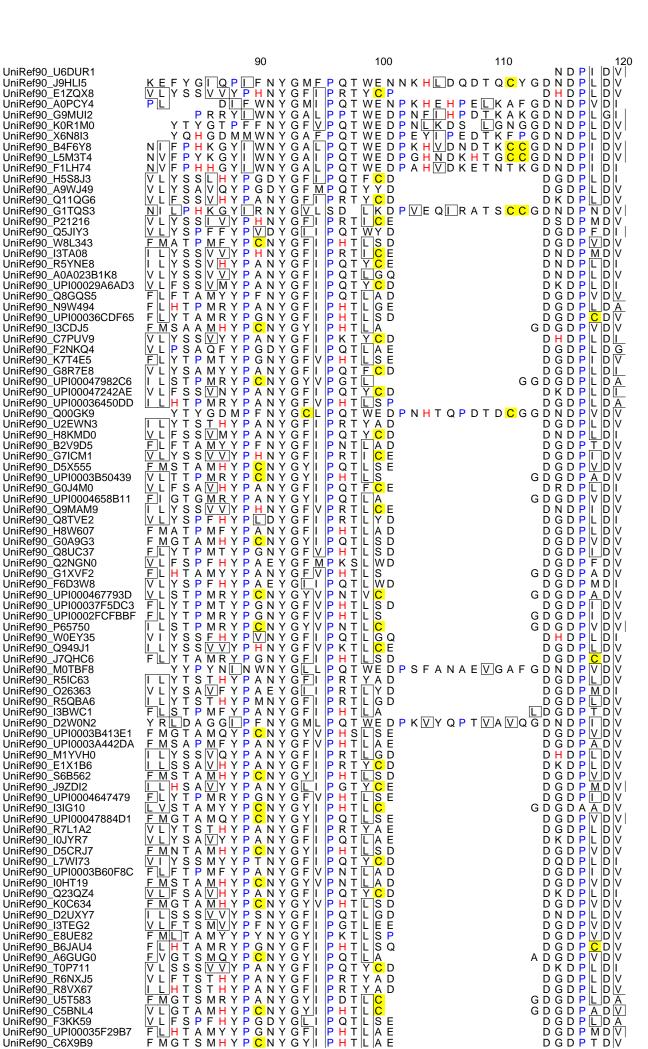
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UniRef90_B2V9D5 UniRef90_G7ICM1	L V I S R E P V V P G S V I R C R P I G M L E M E D E E G D T K I I A V P V L V I M Q E P V L P G C F L R A K A I I G L M P M I D Q G E K D D K I I I A V C A D
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UniRef90_G0J4M0 UniRef90_UPI0004658B11	L
UniRef90_Q9MAM9 UniRef90_Q8TVE2	L V I M Q E P V L P G C F L R A R A I G L M P M I D Q G E K D D K I I A V C V D L V I M Q D P T F P G C V I E A R P I G L M K M L D D S D Q D D K V L A V P T E
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UniRef90_Q8UC37 UniRef90_Q2NGN0 UniRef90_G1XVF2	LICNTRPLVPGCVINVRPIGVMIMEDDGGKDEKILAVPA LVIMDQPTFPGCIIEARPIGIMRMIDQGDSDDKLLAVPLE LVVSNTPVVPGVVLRSRPIGV <u>LLME</u> DEAGMDEKILAVPV
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UniRef90_UPI00037F5DC3 UniRef90_UPI0002FCFBBF	L V
UniRef90_P65750 UniRef90_W0EY35	M V V L P L P L V P G S V V R C R P V G V L Q M K D E A G N D E K L L A V P V L V L C S Q T L R S F C L V R A K V L G N M Q M L D S G E R D D K L L A V A L D
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UniRef90_O26363 UniRef90_R5QBA6 UniRef90_I3BWC1	L V L M Q E P V V P M C F L R A K P I G V M Q M L D Q G E R D D K L I A V H A D L V A N T R P V A P G A V I A V R P I G V L R M T D E A G G D E K I V A V P S V E I G E R R A K I G D I L K V K P L A A L A M D D E G E L D W K I V A I S L D L V L C S E P L R P M S L V R V Y P V G Y F T M R D N G A M D D K I L A I P F G L V L M D E P T F P G C I I E S R P I G L L R M I D G G D Q D D K I L A V P V A L V M C S E P L E P L T L V R C Y P I I G V M K M T D G G A G D E K I I A I P L V V T P T P L M H G A V I P V R P V G M L Q M S D E S G I D A K I V A V P A V E I S D V A L E M G E V Y K L K V F G L L A M I D E G E M D W K V I G R V V S L V I A P W R L I S S S V V R C R P I G M L Q M T D E S G V D A K I L A V P A L V L G Q D R V Y P L S I M R A K P I G M L Q M S D E A G G D S K I L A V P A L V L G Q A K V V P M C L M K V K V I G N M H M I D Q G E E D D K I I A V H A D L V L G Q A K V V P M C L M K V K V I G N M H M I D G G E I D D K L I A V H A D L V I T P V P L I T P V P L I M C R P I G M L K M T D E A G E D A K L L A V P A F V F G E D P I F P G V V A R I R P V G I L R M V D G G E K D D K I L A V L A K V L A K V L A K I L A V L A K V L A K I L A V L A K L A V L
UniRef90_D2W0N2 UniRef90_UPI0003B413E1	VĚÍS DVA LËMGEVÝKIKVFGILAMIDEGEMDWKVÍGRVÝS LVIAPWRLISSSVVR <mark>C</mark> RPIGMLQMTDESGVDAKILAVPA
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UniRef90_E1X1B6 UniRef90_S6B562	L V L G Q A K V V P M C L M K V K V I G N M H M L D G G E I D D K L I A V H A D L V I T P V P L I T G V V V R C R P I G M L K M T D E A G E D A K L L A V P I
UniRef90_J9ZDI2 UniRef90_UPI0004647479	TICNTRELVPGCVINVRPIGVLIMEDDGGKDEKIIAVPTP
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UniRef90_L7WI73 UniRef90_UPI0003B60F8C	L V L S QÎ E Î V P M C L V E A K V Î G V M Q M L D G G E M D D K Î Î Î Â V A Â N L V I S R A P V V P G S V I R C R P I G V L Î M E D E S G Q D E K I L A V P V
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UniRef90_K0C634 UniRef90_D2UXY7	
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UniRef90_C6X9B9	LVITPLPLQPGVVIRCRPIGMLTMEDDGGVDAKVLAVPV

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UniRef90_J9 UniRef90_E1 UniRef90_A0	IZQX8	DAKKQ	N IL K E F K	S L D D F E	D Y N D [] S	R L Q L	N P P Q	G H I H R L	A E	I F I	E W F R F F	R MIL E D Y	KTY	Y D G N E	KPQ	N N
UniRef90_G9 UniRef90_K0	9MUI2	DPLAS DPDAS	SIT	$N \overline{M} G$	DIL E	RV	K P	GTI	E R	LKI	D WL	KRY	KTA	A E G	KGE	N
UniRef90_X6 UniRef90_B4	1F6Y8	D P L A N	I_M H	D V H	DLD	ΚH	M P	G <mark>C</mark> L	D A	∐R I	D WL	JR ∐_Y	K V	TG	A VE	N
UniRef90_L5 UniRef90_F1 UniRef90 H5	LH74	D P A A A D P I F A	E [] N	SIE	D V K	ΚH	FΡ	GIL L	R A	TQI	E WF	RIVIY	KII	TG	K P E K P A	N
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UniRef90_G1 UniRef90_P2	1TQS3 21216	DPEAS DP	R F D E F R	HYR	D V K	K L I	K P P P	G D L H R L	G A A E	T L I	N W Y R F F	EDY	K K <u>1</u>	0 G 1 E N	K P E K K V	N D
UniRef90_Q5 UniRef90_W8 UniRef90_I37	8L343	SKLYP	Y F K E Y D E F R	D WK R I Q	G P D	D V	P K S P	A F L	D E	I A I	H	Q R Y E H Y	KEL	LQG JE	KTT	I N N
UniRef90_R5 UniRef90_A0	SYNE8	D P A Y S	E Y N[H Y N	V F T T V Q	D I A	QL	, , РР РР	HILL	K M R E	L Q I	R F F R F F	E D Y R D Y	K V L K K L	È K E C	K Q V K N V K N V	T K
UniRef90_Q8	P100029A6AD3 BGQS5	$\mathbf{F} \mathbf{K} \parallel \parallel \parallel \mathbf{P} \parallel$	IYS	1) II IK	1 IV II)	()	P +	II I IR	$\vdash R$	II IK	H F	E H Y	KEL	. IE	Р	G
UniRef90_N9 UniRef90_UF UniRef90_I30	9W494 PI00036CDF65 CD I5	ST FP AKLTR DKLST	Y Y A R Y E Q <u>Y</u> R	N V A G I Q	SYS NYT	D L	P P P E P O	L Y L	QQ	I E	H	THY	KDL	- E P	G K W	N
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UniRef90_U2 UniRef90_U2	00GK9 2EWN3	D P K A S D P	QVN TWN	DĽĞ F <u>Y</u> Q	D V E	K V A L	F P P P	G V V H L S	D H D E	i R I K	T W F H F F	R E Y E V Y	KV	D G E H	K P L G H T	Т
UniRef90_H8 UniRef90_B2	BKMD0 2V9D5	SKLDP	SVN	HIN SLK	DIS EVK	DL	PPE	HTE	NK	I T I	RFF	Q D Y E H Y	KAL	E Q E S	K N V G K W	K
UniRef90_G7 UniRef90_D5 UniRef90_UF	5X555 P10003B50439	E K L L P S K V F P	QYR	HIQ	K P E	DL	PP PH	E L L	K Q F R	I E I	K F F H F F H F F	NHY	KDL	E A	G K W G K W	V
UniRef90_G0 UniRef90_UF	0J4M0 PI0004658B11	P K M T Q D P S M S A K I F N N N K T F P D D P S K D D P S K L D P S K L L P S K V F P D C P C C P	S V N A T S	Y Y E D [] K	D I S	E L D V	P P P A	H L M Y L K	K E D Q	THI	R F F H F F	E D Y E N Y	K K L K A L	E K	GKW	V
UniRef90_Q9 UniRef90_Q8 UniRef90_H8	BTVE2	D P R F K D K L T Q	DV	K	D L D	DV	PK	H R L H L L L L R	DE	I A	R F F H M F H F F	SEY	KRL	E N K E G E	KNE	
UniRef90_G0 UniRef90_Q8	DA9G3	DKVLS PKLTQ	i y T R Y D	H WQ KVH	K P E N Y T	D M	N E P E	L R L	K Q K Q	I Q I E	H F F H F F	EHY	K D L	E K	GKW GKW	V
UniRef90_Q2 UniRef90_G1	2NGN0 1XVF2	DPRFK DKLHS	D V F Y T	N∇S	DILS S Y K	Q L D L	P E	HYL LV	K E E Q	I E I	H F F H F F	SQY EHY	KAI	- E - E K	G K W	N V
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	PI0002FCFBBF 65750	SKIIIFS	GYS	HILLE	או ווע	Q V	SA	H VVIL	IE K	II IG I	H F F	EHY	K DIL	. IE K	GKW	IV I
UniRef90_W0	949J1	D P D P A R L T Q	SVN EYK	HYE	N I D	E L Q L	PHPP	H F L	L E	M R I	NFF	E Q Y E D Y	KVL	LES NEH	K K V	E
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UniRef90_I3E UniRef90_D2		RKLSS ESETS DKLTP	IQQ	PILIQ	צו ווט	DI	P P P K	L L L G K I A Q L L L I	R Q	l Q	HFF	E R Y	KEL		D K W	N
	PI0003A442DA	GKLAP	Q Y K E Y N	DVT HYE	SYE	Q L E L	P P P P	LLI	QQ	I K V K I	H F F R F F	EHY	KEL	E P	G K W	V K
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UniRef90_UF UniRef90_R7	PI00047884D1 7L1A2	P R L T P D P	F Y N T Y N	HVT SYK	DYK DIS	DL	Q P P R	DKL HLF	A K D E	i T MS	H F F	Q H Y R V Y	K D L K Q L	E G E G	K S P G K W K W V	C
UniRef90_I0. UniRef90_D5 UniRef90_L7	JYR7 5CRJ7 7WJ73	LTSDP DKLST	EYS LYR	H L N G L K	DILIH SHT	EL	P L P E	HKL VWV	RV KQ	I RI	K F F H F F N F F	E D Y	KAL	. E H - E 	K K V	N N
	PI0003B60F8C HT19	DKLDL TKLLS	K Y K L Y S	DVK SWQ	E T K P E	DL	P E N P	A V L A R L	N E K A	K K I Q	HFF	EHY	KDL	E P E G	GKW KWV	K
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UniRef90_D2 UniRef90_I37 UniRef90_E8	TEG2 BUE82	E K I D A T K L Y P	R F E	⊓ Y I N∐K K F N		DL	r P P P	MVR QDI	Q R	I A I	ujr F H F F H F F	E H Y	KEL	E K E K	G K W	V
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UniRef90_T0 UniRef90_R6)P711 6NXJ5 8VY67	K N D P	V Y N N Y <mark>C</mark>	Y L T	DIA	Q L	S P P R	H S M H Y F	DE	ΓĞ	Q F F	ESY QVY	KAL	E K	K N V	V T
UniRef90_R8 UniRef90_U5 UniRef90_C5	5T583 5BNL4	DP KL DP DP C DD C C C C C C C C C C C C C C	Y D F Y D	r r K R V N H V H	G P D SI F	DL	r P P S O	LLL	E Q D R	F A I G V A	H F F H F F	E R Y E H Y	KDL	- E G - E F	GKW	G V
UniRef90_F3 UniRef90_UF	BKK59 Pl00035F29B7	Ď P Ř Ý Ľ D K L <mark>H</mark> P	H T A F Y S	D I T G I R	Ď į Ē S Y T	DH	γ̈́ PA	R LLI	S E D Q	Ĭ Ġ	H F F H F F	QVY KHY	K D L	E G E K	KKV GKE	Ě V
UniRef90_C6	6X9B9	DKVCP	QYK	D V K	SYH	DI	PΕ	FQL	A P	I S	HFF	EHY	KDL	E K	G K W	V

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                                                                                                                                                                                         K F S F D E G C K N K A Y A T Q V I E K C S D S L A S E S P T S I K E A M E L I E E T H E Q Y A L R G E A L N E E Y A K N V I E Q A H Q
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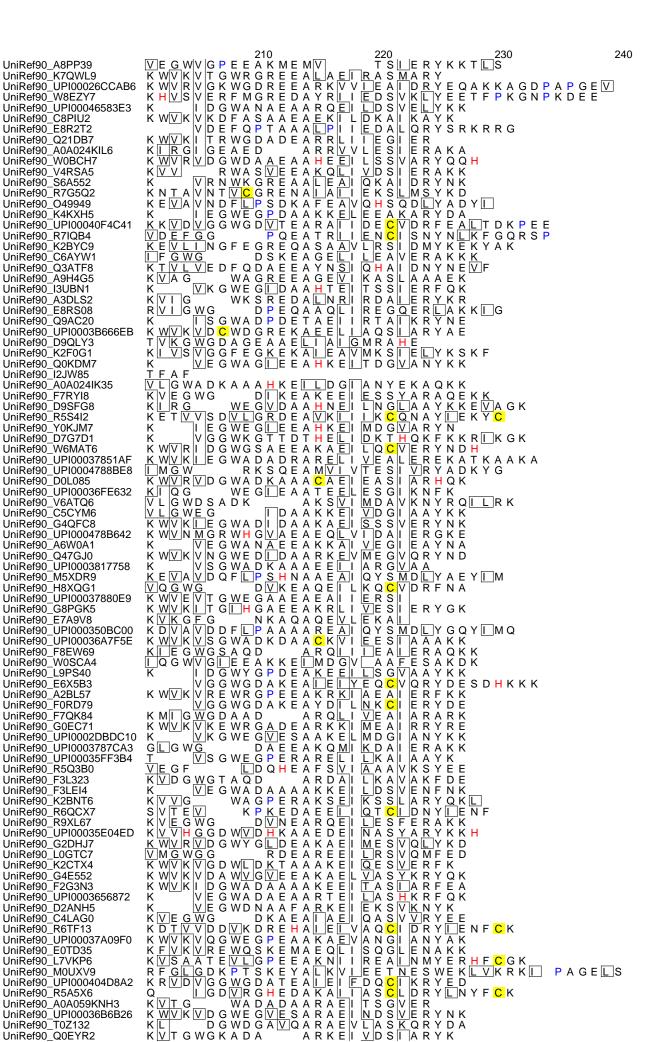
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UniRef90_UPI0003787CA3 UniRef90_UPI00035FF3B4	FILHTPMFY	P G N Y G F V P G N Y G F V	PNTIIGD	D G D P I D V D G D P I D V
UniRef90_R5Q3B0	IV I IY S SIVIH Y	PANYGEL	PRIYCD	D H D P L D I
UniRef90_F3L323 UniRef90_F3LEI4	FMSAAMFY LGTSMHY FLSTAMYY	PCNYGY PCNYGY V	NDTLC	D G D P L D V G D G D P V D V
UniRef90_K2BNT6	FLSTAMYY	PCNYGYV	PKTLŠE	D G D P V D V
UniRef90_R6QCX7 UniRef90_R9XL67	F M A T A M F Y	PANYGFI	N H T L S S	D N D P L D V D G D P V D <u>V</u>
UniRef90_UPI00035E04ED	MILIFTSTRY	PYDYGFIV	VINTILIS	LDGDPLDA
UniRef90_G2DHJ7 UniRef90_L0GTC7	F M S T A M H Y F M S T A M H Y	PCNYGYV	PHTLSP	K D G D P V D V D G D P V D V
UniRef90_K2CTX4	F M P I A M H Y	P C N Y G F IV	PNIIISN	D G D P V D V
UniRef90_G4E552 UniRef90_F2G3N3	F M N A A M F Y F M A T C M H Y	PINYGYV	PHTLSE NNTLSE	D G D P V D V D G D P V D V
UniRef90_UPI0003656872	F M T IV IA M F Y	PCNYGFV	PQTLSE	D G D P V D V
UniRef90_D2ANH5 UniRef90_C4LAG0	F M S S T M R Y F M S T P M F Y I L Y T S T H Y	P C N Y G Y I	NNTLS	
UniRef90_R6TF13 UniRef90_UPI00037A09F0	I L Y T S T H Y F M T T A M H Y	PANYGFI	PRTYAE	D G D P L D V D G D P V D V
UniRef90_E0TD35	FILIYTSMRY	PCNYGFIV	PHTIIS	G D G D P IV ID IV I
UniRef90_L7VKP6	I L Y T S T H Y	PANYGFI	PRTYAN	D R D P L D V A A N A D V G A L G D N D P V D V
UniRef90_M0UXV9 UniRef90_UPI000404D8A2	MLFSSMMY	PADYGFI	PETYA	R D G D P L D V R D N D P L D V
UniRef90_R5A5X6 UniRef90_A0A059KNH3	MLFSSMMY VLYTSTRY FMGTAMHY	PANYGFI	PRTYAQ	D N D P L D V L D G D P V D V
UniRef90 UPI00036B6B26	FMGTAMHY ILGTSMHY ILSTPMRY	PCNYGYV	PHTLC	G D G D P V D V
UniRef90_T0Z132	L S T P M R Y	PCNYGYV	PHTLYD	D G D P V D A D G D P V D V
UniRef90_Q0EYR2	FMHTAMHY	r un Y G F M	r N SIL IS D	DGDPIVIDIVI

		130	140	150	160
UniRef90_A8PP39	LVVAPFP	LŢŎĞĊVIJ <mark>Ċ</mark>	CRI I G MII K I	MKDESGNDAKI	I I A V P I I
UniRef90_K7QWL9 UniRef90_UPI00026CCAB6	L I L S T Y P L	L L P G V V V E L F I P G C V V R	A R P I A V L N	MEDEKGQDAKI LEDEAGGDEKI	L G V V A E L V C V P V D
UniRef90_W8EZY7	LVLCSVD	I VIPMCILVID.	A KIV I IGIVIMOI	MII ID Q D F F D D K II	IIAIVIAAN
UniRef90_UPI00046583E3 UniRef90_C8PIU2	L V V F P H A L V L N E Y P	L P A G S V I R L A A G S V I P	CRPIGVIKI	MT DESGEDAKI MEDESGMDEKI	V L A V P I L L A V P V
UniRef90 E8R2T2	LVFCQEA	V V P M T L V R	ARVIGLMT	MT DESGEDAK MEDESGMDEKI MLDMGKRD <mark>H</mark> K	LAVAED
UniRef90_Q21DB7	LVANTRG	I V	VIRPIVIGIVI I II	M	I I IAIVIP S
UniRef90_A0A024KIL6 UniRef90_W0BCH7	L V V T P V P	L I S G A V I R	CRAI GMLKI	MEDDGGEDEK MTDESGIDAK MEDESGLDEK	V L A V P V
UniRef90 VARSA5	IIPNORP	I VIPGAIVIMA	CRPVGAL E	MEDESGLDEKI	IIAVET
UniRef90_S6A552 UniRef90_R7G5Q2	V L L S Y D S L V L C S E S	VAPGSVVR LLPLSLVK[Y PI GILLE	MEDENGPDSKI MNDNGKNDEKI	I I A V P H
UniRef90_S6A552 UniRef90_R7G5Q2 UniRef90_O49949 UniRef90_K4KXH5	LVIMQEPI	I IS GIL ID FIL IR .	AKAII IGIVIMPI	MII ID Q G F K D F K II	I I IAIV <mark>C</mark> A D
UniRef90_K4KXH5 UniRef90_UPI00040F4C41	L V I M P L A L V L V T E P	LÎPGSVVR TFPG <mark>C</mark> VME	VKPIGVEKI VKPIGVFHI	MT DESGEDAKI MADEKGPDEK	V A V P H V V <mark>C</mark> V P V S
UniRef90_R7IQB4	LVLCSEP	I F P I T I V K	CYPIIIGIVIMKI	MIL ID N G M G D E K II	I I IA II I <mark>P</mark>
UniRef90_K2BYC9 UniRef90_C6AYW1	I V M T T E P L I A S T R P	LHPGLLVR	VRPVGLMKI VRPIGVLK	MI_DSĞESDDK M <u>E</u> DNSGKDEK	I I A V P V D I I A V P S
UniRef90 Q3ATF8	LVISQSDI	I LI <mark>P M C</mark> II V IR .	ARIVI IGIVIM HI	MII ID <mark>H</mark> G F G D D K II	IIAVAFD
UniRef90_A9H4G5 UniRef90_I3UBN1	L V L T P A P	V V P G A V I R V A V G S V I K	ARPIGMLRI CRALGVLQI	MEDESGQDEKI MDDEAGGDAKI	I V <mark>C V P H</mark> L L A <u>R P</u> V
UniRef90_A3DLS2	LVLIGYESI	I IY P GIV I I K	ARPIGVLE	TEDEKGRDAKI	VAVPV
UniRef90_E8RS08 UniRef90_Q9AC20	L V V G P T P M V V G P T P	V	SRPIGVLLI CRPIGTLM	T E D E K G R D A K I M E D E A G K D E K I M V D E A G S D E K I	I L A V P V
UniRef90_UPI0003B666EB	MCYGSRA	L VIP G SIV LIRI	V IR P II IGIV L L II	MEDDGGPDEK	I L A V P H
UniRef90_D9QLY3 UniRef90_K2F0G1	I V L N P T P V V L T T Y P	V <mark>V P G C</mark> I I R I V P G I I I K I	SRPIGVLKI VRPVAIMH	MV D E A G G D E K I	I L A V P V I I A V P A K
UniRef90_Q0KDM7	L V L S P F P	L A G A V VR	CRALGMER	MTDESGVDAKI	LVAVPL
UniRef90_Q0KDM7 UniRef90_I2JW85 UniRef90_A0A024IK35	L E L G S T V L V I T P V P	G G L G E I K T	VKVLGALA I	MEDEGELDWKI	I I T I N L K L L A V P V
UniRef90_F7RYI8	LVPTPHP	LQPGCVIR	CRPVGVLK	MSDESGEDAKI	
UniRef90_D9SFG8 UniRef90_R5S4I2	LVITPFP LVL <mark>C</mark> SE <mark>C</mark>	I WHGAI I P	CRPVGVLM	M S D E G G D D A K I	I I A V P T I I A I P F Q
UniRef90_Y0KJM7	L V L C S E C	L L P GVV V R	CRALGMLN	MVDEAGGDEKI MIDOGGDSDDKI MIDOEGGDDWKI MEDEGGEDAKI MSDEGGDDAKI MSDEGGDDAKI MSDEGGDDAKI MSDEGGDDAKI MSDEGGDDAKI MTDEGGGDEKI MTDEKGGDEKI MTDEKGGDAKI MTDEKGGDAKI MTDEGGGDAKI MTDEGGGDAKI MTDEGGGDAKI MTDEGGGDAKI	L L A V P V
UniRef90_D7G7D1	L V L G T S A L V V A P L A	LQPGSIVD	VRPLGFMC	M E D E K G L D E K I	V L A V P D K
UniRef90_W6MAT6 UniRef90_UPI00037851AF	L V V A P L A M C L G Q T T	LIPGCIVR	A R P I G V L L	M E D E S G M D E K I	L L A V P I K I L A A P H
UniRef90_UPI0004788BE8	LVKINEP	TFPGCQIN	ARPIGVLM	MLDKGEPDDKI	LAVPAD
UniRef90_D0L085 UniRef90_UPI00036FE632	L V V T P T P L V A T P F P	L P P G V V V R	CRALGVLKI	M	I I A V P H I V A V P V
UniRef90_V6ATQ6	LVLVTNP	TFPGILIE	CRPIGLLR	LKDQGKSDDK	I CVSTT
UniRef90_C5CYM6 UniRef90_G4QFC8	L V I A P Y P L V M S P H P	LIAGSVIK	CRPVGVLK	M E D E A G V D G K M T D E S G E D A K	V L A V P T
UniRef90_UPI000478B642	LVVSQVP	VVAGAVIR	CRPVGAL VI	MEDESGGDEKI	I A V P V
UniRef90_A6W0A1 UniRef90_Q47GJ0	L V I T P Y P L V V A P F S	V V P G S V I R L P P G V V V R	CRPLGOLS	MTDESGVDAKI MEDDGGVDAKI LKDQGKSDDKI MEDEAGVDGK MTDESGEDAKI MEDESGGDEKI MSDEAGMDAKI MTDEGGNDAKI MEDEGGRDAKI	L V A V P H L L A V P V
UniRef90_UPI0003817758	LVŘTQVT	LAPĞSVIR	CRPI GVLR	MEDEGGGDEK MIDDQGEKDDK	L A V P V
UniRef90_M5XDR9 UniRef90_H8XQG1		TFPGCVLE	VKPI GVFH	MADDKGPDEK	V I C V P V S
UniRef90_UPI00037880E9	IIANQRP	I A P G AIVMN	CRPIIIGIVIIMI	MKDFAGADFKII	I I A V P T
UniRef90_G8PGK5 UniRef90_E7A9V8	LVLNDDP	I VPGAVMS LQAGSVIK	CRLIGVLF	MEDESGQDEK MEDEGGVDEK	I I A V P S L L A V P V
UniRef90_UPI000350BC00	LVLMQEP	V L P G A F L R .	ARAIIIGILIMPI	MII ID Q G E K D D K II	I I IAIV <mark>C</mark> A D
UniRef90_UPI00036A7F5E UniRef90_F8EW69	I VISPTA	FVPGSVIS	A R P I G V L H I V R P I A V L K I	MEDESGRDEKI MKDEKGEDEKI	L I <mark>C</mark> V <mark>P H</mark> L L T V P V D
UniRef90_W0SCA4	L V L S Q F A L V I T P F P	L P P G V V V R L I P G V V V R	CRPIGMLKI CRPVGVLK	MTDEAGEDAK	L L A V P V V L A V P V
UniRef90_L9PS40 UniRef90_E6X5B3	LVLIGHEP	TYPMVVME	VRPIGVFH	MT DE K G P D E K II	V L A V P V I I <mark>C</mark> V P V S
UniRef90_A2BL57	LVISNQP	V L P G T I I E	VRPIGLIV	MT DE A GEDEKI MT DE A GEDAKI MT DE A GEDAKI MT DE K GPDEKI ME DE E GPDSKI MA DE K GPDEKI	V I A V P K
UniRef90_F0RD79 UniRef90_F7QK84	LVLGGEP	TFPMCVVE IVPGAVIN	V K P I G V F H V R P I G V L R I	M A D E K G P D E K M E D D G G G D E K	I I <mark>C</mark> V P V
UniRef90_G0EC71	LVITREP	I V P G A V I N L L P G V V I E	ARPVALLT	MEDEEGPDSK	VVAVETK
UniRef90_UPI0002DBDC10 UniRef90_UPI0003787CA3	LVANTRG		CRPVGVFK	M E D E G G G D E K II	I L A V P T I I A V P S
UniRef90_UPI00035FF3B4	I VISPEP	LLAGCVIA	CRPIGVEM	MTDEKGGDEK	LAVPAD
UniRef90_R5Q3B0 UniRef90_F3L323	LVQTPHA	v <u>Y P L I I L I I</u> V V <mark>P</mark> G S V I R I	CRPVGILO	MIDUUGEADDKI MSDEAG <mark>H</mark> DAKI	I I A V <mark>H</mark> A D L I A V P V
UniRef90_F3LEI4	LVISRFG	FVAGSVVR	CRPVGVLN	MTDESGEDAK	
UniRef90_K2BNT6 UniRef90_R6QCX7	LVLAPFP	LIBGSVIK IQPMTIVF	CFPIGVLI	M E D G G A R D E K I	L A V P V N V N N N N N
UniRef90_R9XL67	LVPTPYP	LQPGSVIR	CRPVĞVLK	MADDEKGPDEKI MEDDEGGGPDDAKKI MEDDEGGGGADDAKKI MEDDEGGGGADDAKKI MEDDEGGGGDDAKKI MTDDEAGGGDDAKKI MTDDEAGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGDDAKKI MTDDEEGGGADDAKKI MTDDEEGGGADDAKKI MTDDEEGGGADDAKKI MTDDEEGGGADAKKI MTDDEEGGGADDAKKI MTDDEEGGGADAKKI MTDDEEGGGADAKKI MTDDEEGGGAAGD	VVAVPH
UniRef90_UPI00035E04ED UniRef90_G2DHJ7	L V [M]L D E P	<u> </u>	VIKAJI G MJL IR I C R P I G V I K I	M S D E A G G D D K M K D E S G D D A K	L L <mark>C</mark> V A A G I L A V P V
UniRef90_L0GTC7	MVITPYS	LUPĞSVIQ	CRPI GV LK	MTDESGDDAK	LALPV
UniRef90_K2CTX4 UniRef90_G4E552		V Q A G S L I R V M S G S V V P	CRPVGMIK	M I D E S G P D A K II	L A V P L A V P L
UniRef90_F2G3N3	Ī VMŢ PĔP	LÄĞĞİVİK	CRPVGVLN	MTDESGKDAK	VĪĀVPV
UniRef90_UPI0003656872 UniRef90_D2ANH5	L V I I P V P L V L A P Y P	LMPGSVVR LAVGCVINI	AKP V G VL Q CRAVG VFK	M A D E A G Q D A K II M E D D G G V D A K II	I L A V P V V I A V P S
UniRef90_C4LAG0	Ī V P T P Y P	L V P Ğ Š V I R	CRPVGVLK	MSDEAGQDAKI	Ľ V A V P H
UniRef90_R6TF13 UniRef90_UPI00037A09F0	LVLCSET LVITPFP		CRPIGVIKI	MILIDNGAADEKII MEDEAGGDAKII	L L A V P T
UniRef90_E0TD35	MCLGQRP	L V Č ĞĂV Ľ R	A R P I G V I T	MEDEAGVOEKI	L L A A P H
UniRef90_L7VKP6 UniRef90_M0UXV9	LVLSSES	LTPGVVVT LVPGAVLR LDPMIMVK ANIGDVLR	UYPIIGVVRI	MVDCDEVDDKI MIDEGELDWKI MEDEKGPDEK	I I A I P V K I V A I S L D
UniRef90_UPI000404D8A2	LVLIGHEP	IFPINICIVINIEI	VKALGVEH	MEDEKGPDEK	I I C V P V S
UniRef90_R5A5X6 UniRef90_A0A059KNH3	IVICSEN	I I P M S I V R	CYPIGVIV	M D D G G S K D E K	
UniRef90_UPI00036B6B26	L V L L N H A	L V P G S V V P L M P G S V I R L V P G S V V R L I T G C V V R	CRPI GVLK	M	V L A V P V
UniRef90_T0Z132	LVILPEP	LVPGSVVR	CRPVGVLR	MTDEAGKDYKI	VAVET
JniRef90_Q0EYR2	IVI V I S K F S	LIJIG <mark>U</mark> VV K	URFILIA IV LIH I	wicuca GQDAK	V L A V P I

UniRef90_A8PP39	170 180 190 200 D K L S S L Y H T I K T W K D L P Q Q L I Q S I Q H F F E H Y K D L E G K W V Q
UniRef90_K7QWL9	D Q R L D H
UniRef90_UPI00026CCAB6 UniRef90_W8EZY7	DQRLDH QDLGDVPEGVKQEIQHFFETYKALE AKKG ST FPYYSNVNERGDMPELVFEQLEHFFTHYKDLEK K DVSVNHFN DIADLPPHMLLEMQRFFEDYKALEH DKVTPLYSQVKEAQDLPELTLNQISHFFEHYKDLEKGKWV SKLDPRYEGLKGVSDLPKATLDKIKNFFETYKLLE PN DPEFNGFHEANELPPHRLQMLRRFFQDYKYLEGKTVE
UniRef90_UPI00046583E3	DKVTPLYSQVKEAQDLPELTLNQISHFFEHYKDLEKGKWV
UniRef90_C8PIU2 UniRef90_E8R2T2	S K L D P R Y E G L K G V S D L P K A T L D K I K N F F E T Y K L L E P N D P E F N G F H E A N E L P P H R L Q M L R R F F Q D Y K Y L E G K T V E
UniRef90_Q21DB7	
UniRef90_A0A024KIL6 UniRef90_W0BCH7	SKLTKVÝDDVKTASDĽPTI ELĒRVKHFFTHÝKDLEPGKWA NKLSKMYDGVKTYRDLPQ <u>PL</u> L <u>L</u> SIEHFFKHYKDLE E <u>G</u>
UniRef90_V4RSA5	TKLTRRYERI ATYEDLPETTLHQI NHFFEHYKDLEGGKWV
UniRef90_S6A552 UniRef90_R7G5Q2	EKLDNRFAKLKDINDVDD <u>VVK</u> ERLKHFFEHYKELEKGKWV FTDPNYNSYKTIADLPKHVFDEMQHFFSVYKQLEG
UniRef90_O49949	DPEYKDYADI NELPPHRLAEI RRFFEDYKKNE N DKITPLYANVESVRDLPELTLNQI AHFFEHYKDLEKGKWV
UniRef90_K4KXH5 UniRef90_UPI00040F4C41	
UniRef90_R7IQB4	YNDPMYNSYTDIKQLPTHVFDEIKHFFAVYKDLEGKETK DPRWAEVKTIDDVNKH TLKTMKHFYENYKTLQ N
UniRef90_K2BYC9 UniRef90_C6AYW1	DPRWAEVKTIDDVNK <mark>H</mark> TLKTMKHFYENYKTLQ N P <u>KL</u> TLRYEKVKD <u>Y</u> TDLPELTLKQIEHFFEHYKDLEGKWVK
UniRef90_Q3ATF8	PKLTLRYEKVKDYTDLPELTLKQTEHFFEHYKDLEGKWVKDVSMSN I QTIEQLPPYFI SELKHFFEEYKTLE KDKVHPYYSKVEKLEDLPELVI QEI EHFFTRYKDLEKGKWV
UniRef90_A9H4G5 UniRef90_I3UBN1	PKLTLRYEKVKDYTDLPELTLKQTEHFFEHYKDLEGKWVKDVSMSN I QTIEQLPPYFI SELKHFFEEYKTLE KDKVHPYYSKVEKLEDLPELVI QEI EHFFTRYKDLEKGKWVDKLYPPYSNLKAHTDLPEQDLQRI QHFFEHYKDLEKGKWVDKLYPPYSNLKAHTDLPEQDLQRI QHFFEHYKDLEKGKWV
UniRef90_A3DLS2 UniRef90_E8RS08	YNDPMYNSYTDIKQLPTHVFDEIKHFFAVYKDLEGKETKDPRWAEVKTIDDVNKH TLKTMKHFYENYKTLQ NPKLTLRYEKVKDYTDLPEITLKQIEHFFEHYKDLEGKWVK DVSMSN I QTIEQLPPYFISELKHFFEEYKTLE K DKVHPYYSKVEKIEDLPEIVIQEIEHFFFRYKDLEKGKWV DKLYPPYSNLKAHTDLPEQDLQRIQHFFEHYKDLEKGKWV EKIDPRFENIKDINDLPENFRDRIAHFFEHYKELEKGKWV DKLHPYYTNVSSYRQMPAILITEQITHFFAHYKDLEKKKWV
UniRef90_Q9AC20	EKI DPRFENI KDINDLPENFRDRI AHFFEHYKELEKGKWVDKLHPYYTNVSSYRQMPAI LIEQI THFFAHYKDLEKNKETDKLHPFYTGVTSWRDLPTI LTEQI AHFFQHYKDLEKGKST
UniRef90_UPI0003B666EB UniRef90_D9QLY3	DKLHPFYTGVTSWRDLPTILTEQIAHFFQHYKDLEKGKSTAKLTRLYDKVHEKEDLPDVILERITHFFEHYKDLE PNDKLNPYYTDIASYRQLPTILVEQIEHFFSRYKDLEKGKSVDPRWDDLSDLEDINKH TIKEMQHFFETYKTIE E
UniRef90_K2F0G1	DPRWDDISDLEDINKH TIKEMQHFFETYKTIE
UniRef90_Q0KDM7 UniRef90_I2JW85	DKLSPATAYMKGLSDVPQNQLDQIKHFFEHYKALEAGKWV DPMAKALTDLIDVSTVMPPSLNAIRRWFKDYKRPAGKKEN
UniRef90_A0A024IK35	DKI LSIYT QWQKPEDLNPMRLKTI QHFFEHYKDLEGKWVK
UniRef90_F7RYI8 UniRef90_D9SFG8	SKLSKEYDHIEDVNDLPELLRAQITHFFERYKELEKGKWV DKLTPLYHELKTYEDLPKLTLEQIKHFFELYKALEPGKWV
UniRef90_R5S4I2	D P T Y N T Y Q D S E L P D H V A S E I K H F F R V Y K S L E G
UniRef90_Y0KJM7 UniRef90_D7G7D1	DKILSIYTQWQKPEDLNPMRLKTIQHFFEHYKDLEGKWVK SKLSKEYDHIEDVNDLPELLRAQITHFFERYKELEKGKWV DKLTPLYHEIKTYEDLPKITLEQIKHFFELYKALEFG DPTYNTYQDISELPDHVASEIKHFFRVYKSLEG EKVCGLYAYQKTYKDVSPWRLEMISHFFEHYKDLDKGKWV DPRFNHMTSLRDV PEHVLREITNFFETYKQLEKSKWV TECALYDDIQNYTDVNQAMLARITHFFEHYKDLE PR SKLTPFYDDIQNYTDVNQAMLARITHFFEHYKDLE SG SKLTPFYDDIQNYTDVNQAMLARITHFFEHYKDLE SG SKLTPFYDDIQNYTDVNQAMLARITHFFEGYKALE SG GKLSPLYDEIKEATDLPALLLAQIKHFFEQYKALE SG EKLCPMYKDLEGKKWV DPRYLNTKDVSDILESHHLKEMAFFFQVYKDLEGKKWV DPRYLNTKDVSDILESHHLKEMAHFFEHYKDLEGKKVV DKVLPIYSHWKSVDDVNPMRLKAISHFFEHYKDLEGKKVV SKLTKIYDDVHNIEDVPGLLKNQIEHFFAHYKDLE PN DKVLPIYSHWKSVDDVNPMRLKAISHFFEHYKDLEGKWVK SKLTKIYDDVHNIEDVPGLLKNQIEHFFAHYKDLE PN DKLHPFYTGVRSFEDLPMIMCEQIAHFFENYKTLEKG
UniRef90_W6MAT6	TECA LYDQIDSVDQMPKSQLNQIAHFFEHYKDLD SG
UniRef90_UPI00037851AF UniRef90_UPI0004788BE8	SKLTPFYDDIQNYTDVNQAMLARITHFFEHYKDLE PR _DPYYSDVFDLADLSPHYLKEVEHFFQLYKDLEGKRME
UniRef90_D0L085	GKLSPLYDEIKEATDLPALLLAQIKHFFEQYKALE SG
UniRef90_UPI00036FE632 UniRef90_V6ATQ6	EKLCPMYKDLQKLEDLPQLLRDQLKHFFEHYKDLEKGKWV DPRYLNTKDVSDLESHHLKEMAHFFQVYKDLEGKKVE
UniRef90_C5CYM6 UniRef90_G4QFC8	DKVLPTYSHWKSVDDVNPMRLKATSHFFEHYKDLEGKWVK SKLTKIYDDVHNIEDVPGLLKNQIEHFFAHYKDLE PN
UniRef90_UPI000478B642	SKLTKI Y D D V H N I E D V P G L L K N Q I E H F F A H Y K D L E P N D K L H P F Y T G V R S F E D L P M I M C E Q I A H F F Q H Y K D L E K G
UniRef90_A6W0A1 UniRef90_Q47GJ0	EKLSKEYGHIQDVQDIPQLLRDQIEHFFENYKTLEKGKWVDKLTPLYKDAKSIEDMPELLRKQISHFFEHYKDLE PGEKLDPFQADVLSLEDVPQLERDRIRHFFESYKALEKGKWV
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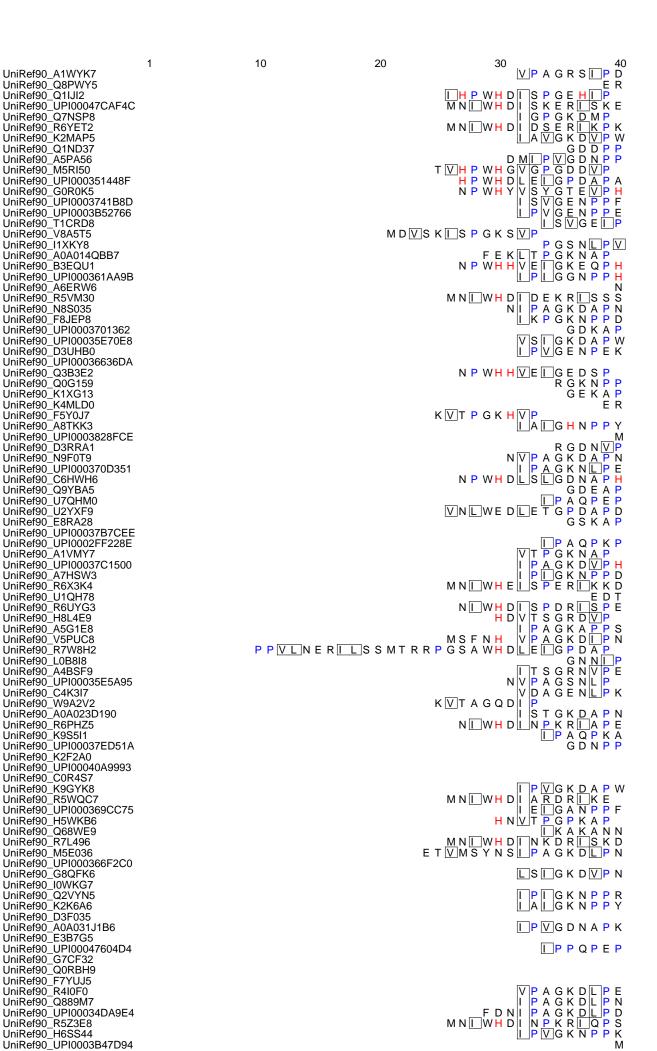
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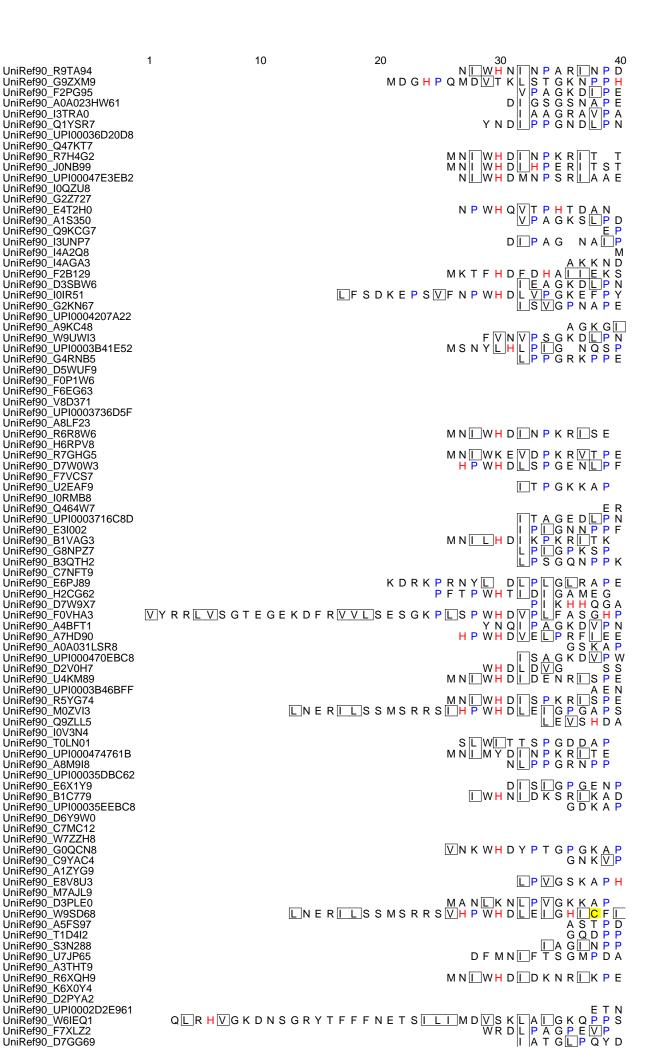
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JARRISON PROBLEMS JARRISON DAVID STATEMENT OF THE STATEM	UniRef90_R9TA94	LLYTSTHYPANYGLIP	R T L A D	DGDPLDV
JAMES DA ANGESTONE JAMES			GTLAD NTLS	D G D P S D A
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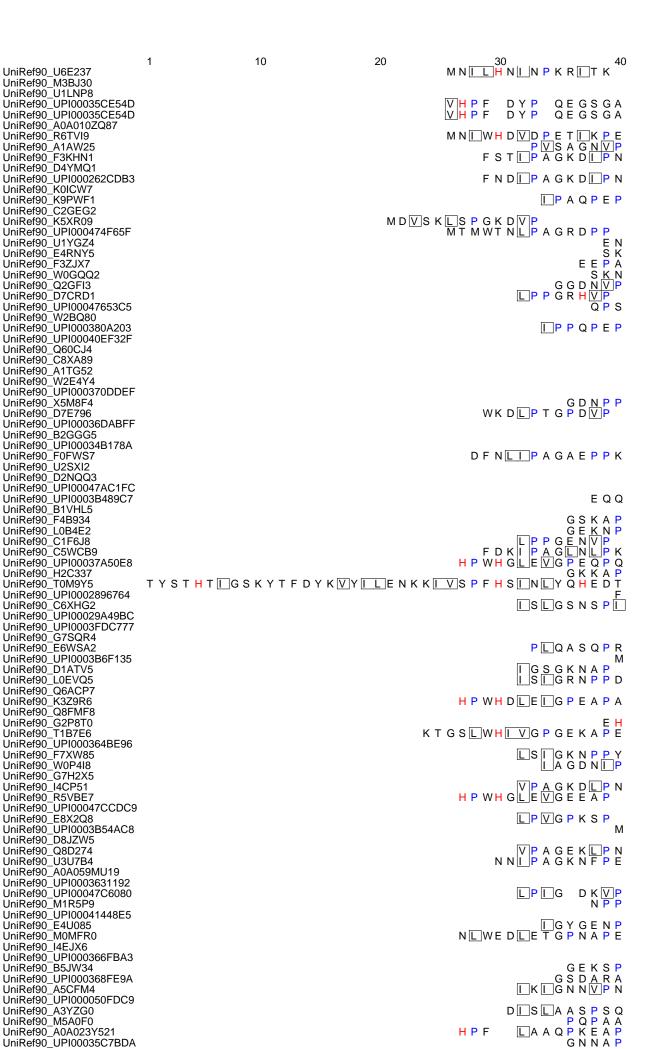
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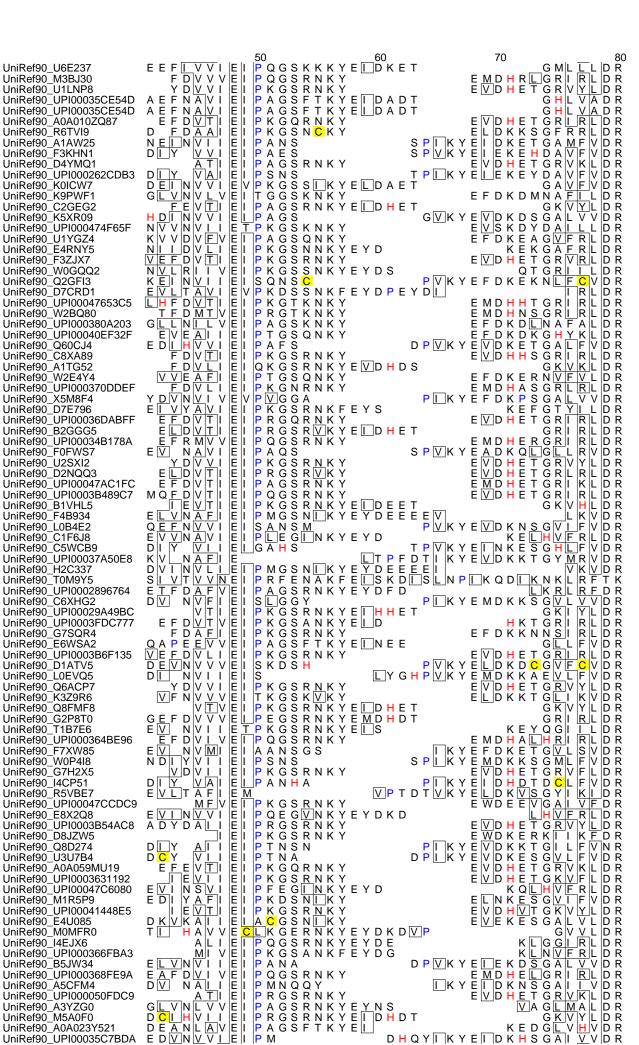
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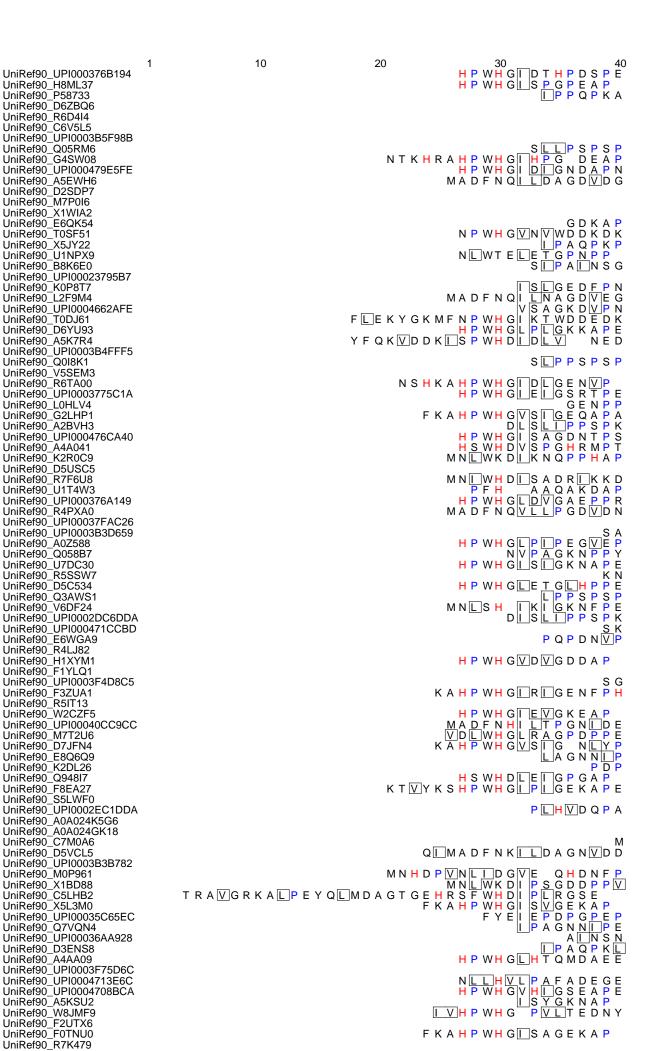
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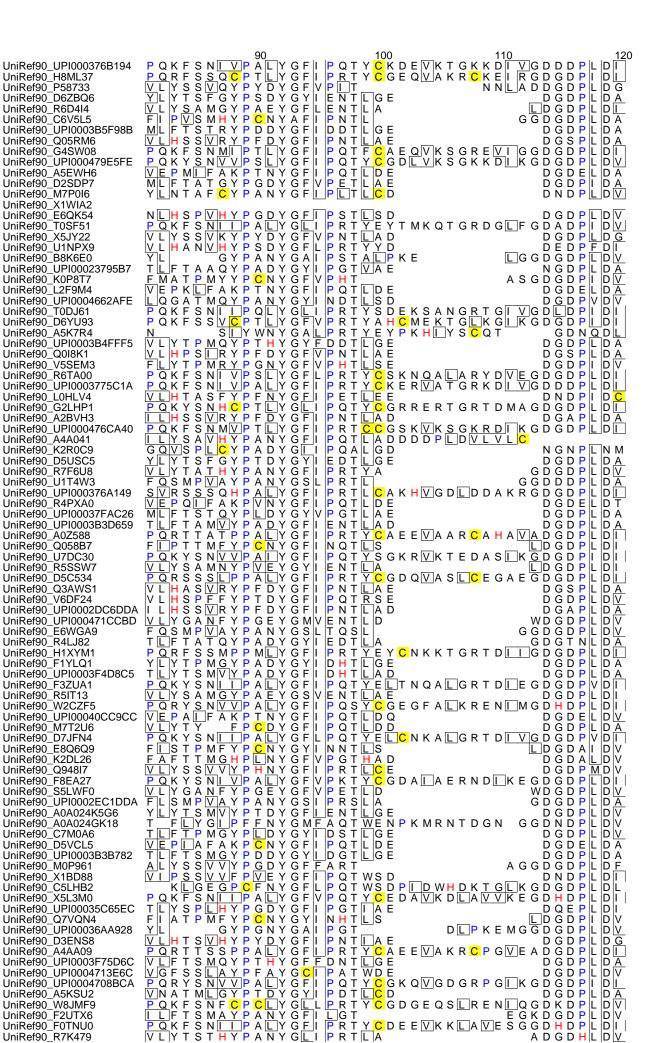
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UniRef90_R4PXA0 UniRef90_UPI00037FAC26	CVISERPISRIELLNARVVGGLPMNDHDEADDKIIAVIED LIVCHEPLVTGIWLEARILGVLKFEDDGEVDDKVVVCPAD MVLLDEPTFPGCEVLIRTVGVFWMHDEQGPDAKILGVPAH
UniRef90_UPI0003B3D659 UniRef90_A0Z588	L V L L D E P T F P G V A V R L R P I G L F R M D D E N G H D A K V I A V P D G C L F S F R L L T R A D L L N A R V V G G L Q M L D F G F A D D K I L A V L F G
UniRef90_Q058B7 UniRef90_U7DC30	CILTEKSIVHGDIISAKPIGGFRMLDGNEADDKIVAVLNH
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UniRef90_Q3AWS1 UniRef90_V6DF24	MVIMAEPTFAGCLIRARPIGLLDMNDHGAYDGKILCVPEA LVLIKQPTFSGCILKARPVGALDIEDEKGRDYKIIAVAEN AMIIMDEPTFAGCLIKARPIGVLDMHDCGEYDGKLLCVPIA
UniRef90_UPI000471CCBD UniRef90_E6WGA9	O TISILI <mark>C</mark> TYPTLIPGVEIVDVRILLIGSIIKMIIDAGEIIDTKLIFGVFND
UniRef90_R4LJ82 UniRef90_H1XYM1	MVLVQEPTFPGCLILSRAVGLFRMYDEQGPTPKVLCVPAGCVLTERPIKSNILVPAVVIGGIRMIDNNEADDKLVAYLRNMVLLPESVFPGVIVKARLVGMYTMTDEAGGDDKLLAVPAG
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UniRef90_R5IT13	LVLLDEPTFPGVVVSIRPVGLFRMDDENGHDAKVIAVPDG CVLTEKDITHGDIIRARPIGGFRLLDHNKADDKLIAVLED LVFTSEPTYPGCIIPARIIGCLEMIDNNKLDYKLIAVSAC CILTEKDIAHGDIIAVRPIGGLRMLDGNAADDKIIAV
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UniRef90_M7T2U6 UniRef90_D7JFN4 UniRef90_E8Q6Q9	CILTEKDI VIHGDILVIKCRPI IGG <u>F</u> RLLIDTNEADDKILI AVIMRN
UniRef90_L8Q0Q9 UniRef90_K2DL26 UniRef90_Q948I7	L V L IM Q G E K D D K II T I A I V I <mark>C I</mark> V ID
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UniRef90_UPI0002EC1DDA UniRef90_A0A024K5G6	
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UniRef90_W8JMF9 UniRef90_F2UTX6	L L V I D E S V P H G V V I P A R V I G V L N M V D A G E N D E K L I C V A A D C V L T E K N I T H G N I L Q A K P I G G L R I I D S G E A D D K I I A V L E D L I F S S V P I A T G I L V K C R A V G I A E M N D E E G E D N K V I A V P I C V L S S H N I Q S G N L M D A I P I G G F K M I D K G E A D D K I I A V M V G
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UniRef90_UPI0003B5F98B	DPRYNEVNRLEDLS PFILDEI KNFFENYKTLQ K SKIDPYYTNFNEPGDFPSIFLEQIEHFFRHYKDLEKDKFV B DQRASWRTEIDDVSEFHRL EI QHFFEIYKDLEGKSVE
UniRef90_Q05RM6 UniRef90_G4SW08	K G D I F I K Q W N D V S D C F V S T I D K L K H I F L I I K H L F D E A
UniRef90_UPI000479E5FE UniRef90_A5EWH6	E D <u> V V </u> Y G G F
UniRef90_D2SDP7 UniRef90_M7P0I6	DRH RGDGIQTLADLPAQLVKQIEFHFNHYKALKKPNSTDPRQLHLQELEDVAMH QIAEIWHFFEIY EALAPDDLMLRQYINLSDI PKSWLLELEHFLLHYKDLE N
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UniRef90_UPI00023795B7 UniRef90_K0P8T7	DPRMDH I RDL NDVPQHQLNEISHFFDIYKELEPC
UniRef90_L2F9M4	DR NNGNAINTLADLPQQLIKQIEFHFNHYKDLKKVGTT
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UniRef90_D6YU93 UniRef90_A5K7R4	DKHFDDVNSLEDVEKYYPHTLNLLLEWFRSYKMAESKKLN
UniRef90_UPI0003B4FFF5 UniRef90_Q0I8K1	DRREDDI TEILE HUSEWIRKEILE HEFTRYKULE PG DPRQAGUQSI QQUA PSQUEDVAEFFRTYKNMDGR
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UniRef90_G2LHP1 UniRef90_A2BVH3	LKDDATYGHMTDITTDCPEALLNELFRSYKNLEKKVRK DPRYAQVTSLKDVA PHRLEEIAEFFRSYKNLEKKVRK DPRYDHVRDVSDLTEQTRAEIAEFFETYKNLEGKQTE GSPLSDITSVSQLDSEFNGVSKIVGTWFSNYKGKDGGMVL DPRMDH I RDLNDVPQHQLNELSHFFDIYKELEPC KKIAPEFAHVDHIGQLNTLLKGRMIHFFSHYKDLLD TG DR NNGNAINTLADLPQQLIKQIEFHFNHYKDLLKKVGTT EDKLSTIYSAIEKVEDI PLLKEQVEHFFSHYKDLEGKWVK LKDDAMFGHLTDIDQVPPALIELKHYFLTYKELPPVKEGE DFV YGGMKDLSDCPPALIERLRHYFLTYKDYPGAEPR DKHFDDVNSLEDVEKYYPHTLNLLEWFRSYKMAESKKLN DKHFDDDITEIEHLSEWTRKEIEHFFTRYKDLE DFV YGGMKDLSDCPPALIEHFFSHYKDLEPGKWA ARLTKRYEKVRNYSDLPEIFHLSEWTRKEIEHFFSHYKDLEPGKWA ARLTKRYEKVRNYSDLPEIFHLSEWTRKEIEHFFSHYKDLEPGKWA ARLTKRYEKVRNYSDLPEITIQUVDHFFSHYKELEK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDELPKDIIRRLUHYFLTYKSLPDETAK NDAVYGHLTDIDGEKPT
UniRef90_UPI000476CA40 UniRef90_A4A041	O KGDEFYRQWTDVSD <mark>C</mark> PTSYLNRLMHYFLTYKNLPGEKPT DPEYSS <u>Y</u> RE <u>AV</u> DLPSH <u>RR</u> NMLRRFFQDYKQLEG <u>K</u> TVE
UniRef90_K2R0C9 UniRef90_D5USC5	DPEYSSYREAVDLPSHRRNMLRRFFQDYKQLEGKTVE DPSSEDIQDIKDLPKSLLEEITHFFREYAKNQNINTE DPRWD ALQDLEHIDKFELDAIEHFFVHYKDLEGKFVK KSDPFLKNCNDIKDLPEQYSAEIMHFFEV YKQLED SDVDPTYDKILDVDDLPLIERQRIEAFFSVYKQLPEGRKK
UniRef90_R7F6U8 UniRef90_U1T4W3	K S D P F L K N C N D I K D L P E Q Y S A E I M F F E V Y K Q L E D S D V D P T Y D K I L D V D D L P L I E R Q R I E A F F S V Y K Q L P E G R K K
UniRef90_UPI000376A149	
UniRef90_R4PXA0 UniRef90_UPI00037FAC26	DRQTGD QYRSVEDLGERWKQQIEHHFTHYKDLKKPGST DPRYSGLENLADVPAYTRDEVAHFFDLYKSLEGKSTD
UniRef90_UPI0003B3D659 UniRef90_A0Z588	DNIWGEVN _ DIKDLPPIKTERLQHYFSTYKMIPGKNVE
UniRef90_Q058B7 UniRef90_U7DC30	
UniRef90_R5SSW7 UniRef90_D5C534	DAVYGDYRDI SDVPDM VIDRLKHYFLTYKDLPGEKRN VDPRYNEI NTL NDMPKFI LEEI KDFFSNYKTL QNIPVELEKDDFLDVAKDI SDLPVI LIERLRHYFATYKMI PGESDPRQASI NSI RQI GASRLEDVAEFFRTYRNLDGRVVT
UniRef90_Q3AWS1 UniRef90_V6DF24	DPROASILINSILIROILIG ASRILIEDIVIAEEERLYRNILID GRIVVII
UniRef90_UPI0002DC6DD UniRef90_UPI000471CCBI	D DPRFKSYEKLSDVI PQHLRDEI ENFFLQYKALQKKTVV
UniRef90_E6WGA9 UniRef90_R4LJ82	SKIDPTYDDIKAMSDLPKIEQERLQAFFRVYKQLP DGRK DPRQSH LRDITDLDPFLLLEIRHFFEVYKTVEPGKRV
UniRef90_H1XYM1 UniRef90_F1YLQ1	
UniRef90_UPI0003F4D8C5 UniRef90_F3ZUA1	5 DPRWAELRELIGDV PAMTRDRI AHFFTHYKELE PG
UniRef90_R5IT13 UniRef90_W2CZF5	DPRWDH IQDVNDVNEFELKAI AHFFEHYKDLEGKEVT DPRWAEIREIGDV PAMTRDRI AHFFTHYKELE PG DAIYGHYRSMADV PETVVNRLKHYFTTYKDLPGD SK DPRYNEVGSLKDI ATF TLKEIKNFFENYKKLQNIKVV LQNDATYDSYNDI GDLPKI VLERLKHYFLTYKDMPGEK K
UniRef90_UPI00040CC9C0UniRef90_M7T2U6	C DRTTG NAYNSLDDLPQQLIKQIEFHFNHYKDLKKAGTT DPFYRHVRSLDDI PGSLVRELTYFFENYKSAEG
UniRef90_D7JFN4	DVIYGHYRNMSDI PEQVIERLKHYFTTYKDIPGSDTR
UniRef90_E8Q6Q9 UniRef90_K2DL26	NKI SNQYHLIQDI DQ <mark>C</mark> PTFLREQI <mark>C</mark> YFFQHYKDLTA NPKVDPFYANVNDI GDI SDAI KNKVKHFFEHYKDLEPGKWVDPEFRHFN DLKELSPHRLAEI RRFF <u>E</u> DYKK <u>N</u> E N
UniRef90_Q948I7 UniRef90_F8EA27	DAILY GHYRS MADV DPRYNE WGSLKDII ATF TLKEILKHYFLTYKDLPGD SK LQNDATYDSYNDII GDLPKIVLERIKHYFLTYKDMPGEK K C DRTTG NAYNSL DDLPQQLIIKQI EFHFNHYKDLKKAGTT DPFYRHVRSLDDII DVIYGHYRNMSDI NKI SNQYHLIQDII DQCPTFLREQIICYFFQHYKDLTA NKI SNQYHLIQDII DQCPTFLREQIICYFFQHYKDLTA NKI SNQYHLIQDII DQCPTFLREQIICYFFQHYKDLEPGKWV DPEFRHFN DLKELSPHRLAEIRRFFEDYKKNE NDLYSKY KDI TELPESVVNRLQHYFLTYKNLPGEPMT DPRFKFFTTIKDVPPHIK
UniRef90_S5LWF0 UniRef90_UPI0002EC1DD	DPRFKEFTTLKDVPQHLK DEI ENFFLQYKALQKKEVK A A VDPAFAPI RDLGDLAPMERERI EAFFRVYKQLPGADTV
UniRef90_A0A024K5G6 UniRef90_A0A024GK18	DLLYSKY KDITELPESVVNRLQHYFLTYKNLPGEPMT DPRFKEFTTLKDVPQHLKK DEI ENFFLQYKALQKKEVK A A VDPAFAPI RDLGDLAPMERERI EAFFRVYKQLPGADTV DHRWDH I QDI GDVPSYELDVI KHFFSQYKALEPGKYV DPEADR I HSVDDLRPGLLNDI I DWLRNYKTAEGYPLN DPRYDHIRDLGDVHTHLQ REVAHFFEHYKDLE PG DR NNGNAYNSL DDLPPQLIKQLEFHFSHYKDLKKPGST V RFDDIKDI SDVSSYHKDEI KHFFEQYKALEPGKEV DPRFDHIEGRGDI PEHHQDVVEEFFRTYKNLEPDDAE DARFSGYNDI QDVHNHK LKEI QEFYETYKRLEPHKWV KALTDEEVARE
UniRef90_C7M0A6 UniRef90_D5VCL5	DPRYDHIRDLGDVHTHLQ REVAHFFEHYKDLE PG DR NNGNAYNSLDDLPPQLIKQLEFHFSHYKDLKKPGST
UniRef90_UPI0003B3B782 UniRef90_M0P961	PEHHQDVVEEFFRTYKNLEPDDAE
UniRef90_X1BD88 UniRef90_C5LHB2	DARFSGYNDIQDV <mark>H</mark> NHK LKEI QEFYETYKRLEPHKWV KALTDEEVARE <u>M</u> EKVKAWM <u>D</u> GYKALFAKEPT
UniRef90_X5L3M0 UniRef90_UPI00035C65E0	DQVYGH MRDISDLPVAEVNRLKHYFLSYKNLPTEPA C RDPRHDEIRDLNNVSEHVQREIEYFFSMYKELEGKTMK
UniRef90_Q7VQN4 UniRef90_UPI00036AA928	S VSQEYSAL <mark>H</mark> DINHLSKLTRNQIS <mark>H</mark> FFKYYKDLE SK B GSPFANVESMTQLDSEFPGVSQIIDIWFANYKGPDGGME
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UniRef90_W8JMF9	DLVFSE I EDI SDCPGTVLDMI QHYFLTYKHLMNAKPA
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UniRef90_R7K479	DPTŸSSYKS I YE L PSHKADEMMHFFTWYKS L EG

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210

220

230

CE I T D I Y G A E E A H E V I R R S K L D Y E N K Y G N
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F F G W K G D V A G L P L V E E O V K N Y Y K T Y C K N D H G K
Q A A D W A D R A A A E A

L E V K V G K Y H N K E D A L E L I E A C K K R Y K D E K E N K
E V V G W T N A E A T H K A I
G S H W V G
V T S I G G W R D V D A V Q P L L R D C M A A A R
S I C E I T Q V Y G R E E A H E V I R R S L A D Y Q S H F G
S E
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                                                                                                                                                                                                                                                                                                HDAQQSYR
RRSVKDYRDTFGEEEE
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RHCLEDYK
HESTERWNKK
MWSMDQYTE
RRAINDYKENF
LNAYQR
/RRAI
KYSMDLYAEYI
RKSITDYLNNFG
VECKERFEHYKDRYLKPGGKEE
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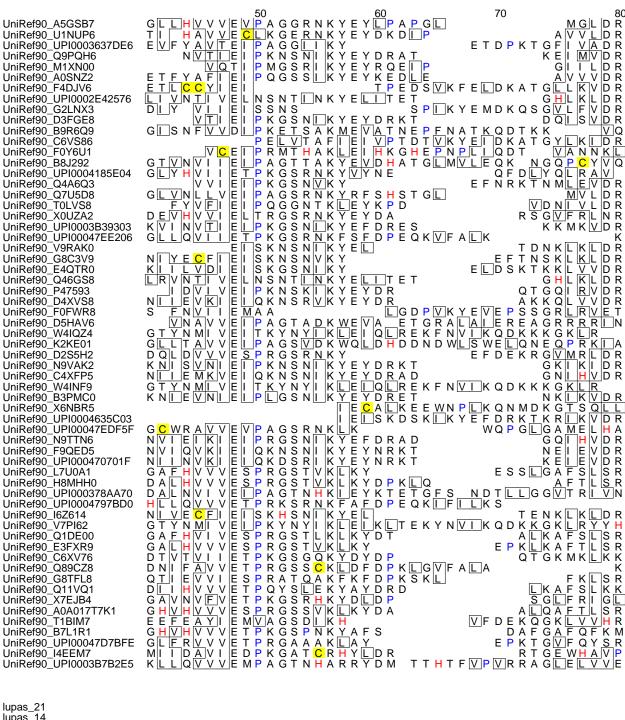
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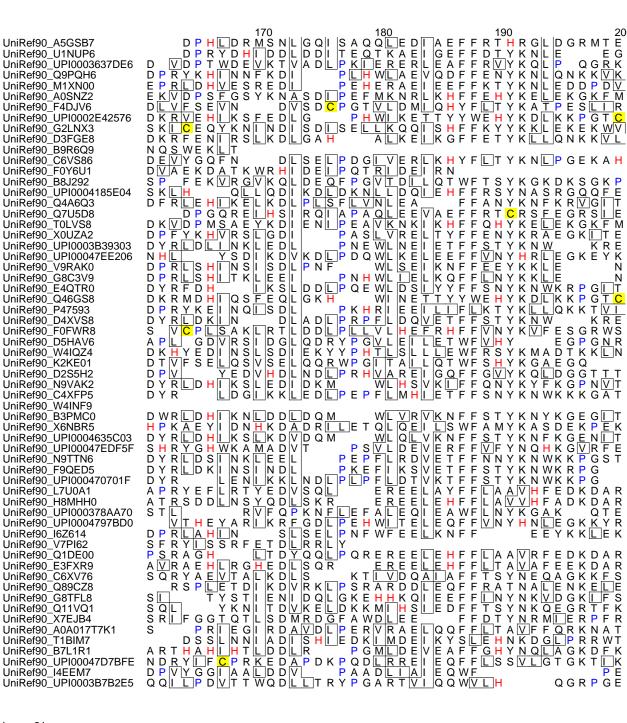
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PLGR
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                                                                                                                           I L G WE G P E
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V L E K L S A A K
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