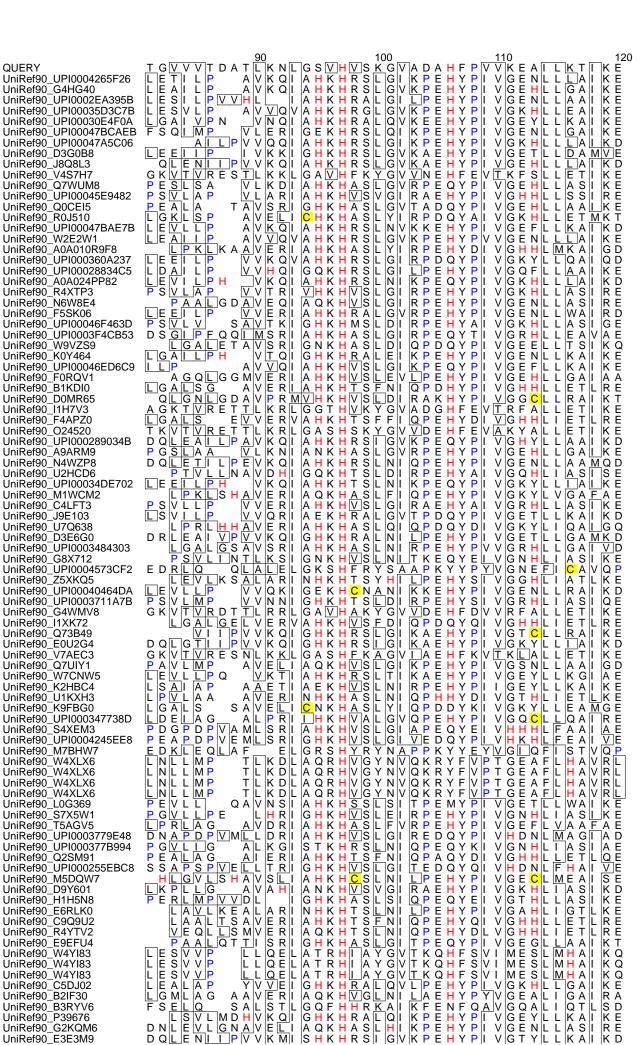
QUERY	1 GALTESQAALVKSSWEEFNANIPKHTHRFFILVLEIAPAA
UniRef90_UPI0004265F26 UniRef90_G4HG40	L S Q K T I D I V K S T V P V L E K H G T T I T T R F Y E R L F E N H P E L L S Q K T I D I V K S T V P V L E K H G T T I T T R F Y E R L F E N H P E L L S Q K T I D I V K S T V P V L E Q H G V T I T S T F Y R N M F K A H P E L L S Q K T I D I I K S T V P V L E V H G V D I T K H F Y K R M F T N H P E L L S Q K T I D I I K S T V P V L E V H G V D I T K Y F Y T R M F E A H P E L L S E Q T R E I V K Q T V P V L E Q H G T E I T K V F Y T R M F E A H P E L L S E Q T R E I V K Q T V P V L E K H G E Q I T T R F Y Q L M F G N H P E L L S K E T I S I I K S T V P V L E V H G T K I T T R F Y Q L L F E R H P E L L N S K T I S I I K S T V P V L E V H G T K I T T R F Y Q L L F E R H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y Q L L F E R H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y Q L L F E R H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y Q L L F E R H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y R L M F Q N H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y R L M F Q N H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y R L M F Q N H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y R L M F Q N H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y R L M F Q N H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y R L M F Q N H P E L L N S K T I S I I K S T V P V L E I H G E K I T T R F Y R L M F E I A P S A
UniRef90_UPI0002EA395B UniRef90_UPI00035D3C7B	L   S Q K T     D   T V   K S T   V   P   V   L   E K   H G   V   D     T K   H F Y K R M F T N   H P E   L   A   L   S Q K T   L   D         K S T   V   P   V   L E   V   H G   V   T     T S   T F Y K N M F S N   H P E   L
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UniRef90_R0J510 UniRef90_UPI00047BAE7B	II IS N K I II IEII VIKS I A PII I IA E R GIVIEII II S Y E Y K SII IE E A <mark>H</mark> P A II
UniRef90_W2E2W1 UniRef90_A0A010R9F8	L K Q A T I DI I K S T V P A L E V H G T D I T K L F Y T R L F E T H P E L A L T Q D Q I N I V K S T A P V L K V H G E T I T T L F Y K D M I D T H P E L L D A H T I L K V I K S T V P V L E T E G V H I T K R F Y Q T M F E A H P E L
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UniRef90_Z5XKQ5 UniRef90_UPI00040464DA	S L S D R Q T Q L V K E T WR L V Q E D L A K V G L M F V R L F E T H P E C L S E K T L Q V V K S T L P L L A E A G P Q V T E Y F Y D R M F S Y N P E L L D O O T L N L L K S T V P S L K E H G L E L T T T E Y K N M F E N N P E V
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UniRef90_T5AGV5 UniRef90_UPI0003779E48	A LTVE QLAL VKSTAPVIKEHGKALITTTFYRRLLGAHPEL
UniRef90_UPI000377B994 UniRef90_UPSM91	MT NKQKELI TATVPT LRAGGETLTNYFYARMLKAHPEL
UniRef90_UPI000255EBC8	ALSPEHAETI RASLPAVGANIQEI TRUFYSTMFSKHPEL
UniRef90_M5DQW7 UniRef90_D9Y601	LITKEQUELVKTTVPVVBAHAVALISHFYKRMUSHNPELV
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UniRef90_C9Q9U2 UniRef90_R4YTV2	L   I   Q   D   H   I   T   V   I   K   S   T   I   P   L   E   S   G   P   A   L   T   Q   H   F   Y   Q   R   M   F   N   H   N   P   E   L   S   N   E   H   I   Q   L   V   K   S   T   V   P   L   E   A   S   G   S   A   I   T   D   Y   F   Y   N   R   L   F   T   H   N   P   E   A   A   C   A   T   T   T   T   T   T   T   T   T
UniRef90_E9EFU4 UniRef90_W4YI83	L T S E QL K L V Q S T L P A L E Q H G L A L T T L F Y K R L L D S H P E L G S I T A E H K R M V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V
UniRef90_W4YI83 UniRef90_W4YI83	G S I I T A E H K R M V O K T W T K I I S S N P A K H G A T M F S K I V I T D V P A I V I
UniRef90_C5DJ02 UniRef90_B2IF30	L S E Q T R N I V K A T V P V L E Q H G T T I I T T V F Y R N M L S E H K E L
UniRef90_B3RYV6 UniRef90_P39676	SLTEEQKALIRENWQDVEENMSEVGLYLFSKLFTLAPEY LAEKTRSIIKATVPVLEQQGTVITRTFYKNMLTEHTEL LDQKTIDIVKSTAPVLDQHGETLTRHFYQRMFTHNPEV
UniRef90_G2KQM6	L D Q K T I D I V K S T A P V L D Q H G E T L T R H F Y Q R M F T H N P E V
JniRef90_E3E3M9	LSKQTLNLIKSTVPVLETHGEEITGRFYDLMFQAHPEL

OUES:		V PUT O FUN O TO FUN O VID 500 A V A O VID V 70	80
'	_UPI0004265F26	K D L F S F L K G T S E V P Q N N P E L Q A H A G K V F K L V Y E A A L Q L E L N I F N H A N Q K K G R Q Q A L A N A V Y A A A L A N T V Y A A A H I D	Q
UniRef90 UniRef90	_G4HG40 _UPI0002EA395B	LNI FNHANQQRGRQQT ALANT VY A A ALHI D KNVFNQSNQREGRQPQALAASVY A A A	R N
UniRef90	_UPI00035D3C7B	LNI FNHANQSQGRQQT ALANMVLAAAKNI D	Q
UniRef90	_UPI00030E4F0A	KNI FNMAHQITGHQPK ALADAVYGAAANI E	N D
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UniRef90	_J8Q8L3	LNI FNHIN QKKGRQQ AALANVVYAAALHI D	
UniRef90 UniRef90	)_V4S7H7 ) Q7WUM8	Q K   L   F S F   L   R D S N   V   P   L   E Q N Q K   L   K T H A M S   V   F   V   M T   C E S A   V   Q   L   R K N   I   F N M A H Q E R G E Q Q Q A L   A R A   V   Y A Y A A N   I   E	K N
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UniRef90	_UPI000380A237	LNI FNHTNQSKGRQQG ALANTVYAAAVHI E	Ν
UniRef90 UniRef90	_A0A024PP82 R4XTP3	K N I   F N Q T N Q R K G D Q P K ALLA N T V Y A A A A N II   D K H IV F N Q G H Q A G G E Q Q Q A L A G A V A E H I D	H D
			N
UniRef90	_F5SK06 _UPI00046F463D	YNIFNRSNQREGKQPQ ALADTVYAAAAHID KNLFNMGNQGNGKQQLSLAMAVLA YAENIE	D
UniRef90	_UPI0003F4CB53 _W9VZS9	R N L F N Q G N Q A N G E Q R R N I F N T A H Q F T G A Q P  Q A L A G S V A A F A E H L V T A A I A H A V W A V A N N L D	P N
UniRef90	_K0Y464	Y N I F N R S N Q R E G K Q P Q A L A D T V Y A A A A H I D Y A E N L E R N L F N Q G N Q A N G E Q R Q A L A G S V A A F A E H L V T R N I F N T A H Q E T G A Q P A L A H A V W A Y A N N I D L N V F N K T N Q K Q G R Q P MA L A S T V L A A K H I D L N V F N H A N Q A Q G R Q P MA L A S T V L A A K H I D L N V F N H A N Q A Q G R Q P MA L A S T V L A A K H I D L N V F N H A N Q A Q G R Q P MA L A S T V L A A K H I D L N V F N H A N Q A Q G R Q P MA L A S T V L A A K H I D L N V F N H A N Q A Q G R Q P MA L A N A V H A A V H A R D N I D R D N I D R D N I D R D N I D R D N I D R D N I D N	N
UniRef90	_F0RQV1	LINII IF N P A N Q A T G R Q A R S LA N A LIA A S V LIA Y A E HILID	Α
OHILLEISO	_B1KDI0 _D0MR65		Ν
UniRef90	_I1H7V3	Q N L F N M S H H R A G A T K G G A P P G V Q A T A L A N A V I G F A A N C D K E L F P F L R N S D A P L E T N P K L K T H A V S V F I M T C E A A A Q L R K N L F N M A N Q A N G R Q Q F A L F N A L A A Y A K N I D	K
UniRef90	_F4APZ0 _O24520	KKMFSFLRDSPIIPAEQN <u>P</u> KLK <u>P</u> HAMSVFVM <mark>CC</mark> ESAVQLR	K
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UniRef90	_N4WZP8	K NII IF N O I N O RII IG N O P O AIL IA N AIV IY A A A A A A A A A A A N	11 1
	_U2HCD6 _UPI00034DE702	KHVFNMGNQQNSKQQT RNVFNQTNQRKGAQ SKALANTVYAAAANIE	K
	_M1WCM2 _C4LFT3	KNY ESLIRNO QLIGA QQA ALLANAVIFA YA A YII D	Ď
UniRef90	_J9E103	KNIFNQGHQNSGRQQEALAMAVAAAAA ENID	Ň
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UniRef90	_ _I1XK72 _Q73B49	K DI F N L A N Q A T G R Q F A L F S A V A M Y A K H I D L N I F N H T N Q K K G R Q Q A L A N A V Y A A A T Y L D N L E	D
UniRef90	_E002G4	LINII IF N Q I N Q K K K I Q K A A   L   A N A   V I   A A A	
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	_W7CNW5 _K2HBC4	LNYFNLTNQ ELGTQPLALANTVYLAAENI E KNYFNMTHQKDGKQPRALANAVYAAA_ SHI D	Q D
UniRef90	_U1KXH3	N D I   F N M S N Q Q S K K Q Q F A   L   F N A   L   A A Y A T H   I   D	Ν
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	_W4XLX6 _W4XLX6	G K   V   F   F   F   G   G   K   S   Y   E   Q   L   L   R   N   R   D   V   K   A   H   G   R   R   V   F   E   T   V   G   Q   A   I   N   G   L   N   G   K   V   F   F   F   G   G   K   S   Y   E   Q   L   L   R   N   R   D   V   K   A   H   G   R   R   V   F   E   T   V   G   Q   A   I   N   G   L   N   C   N   C   T   T   T   T   T   T   T   T   T	D D
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UniRef90	_E6RLK0 _C9Q9U2	K <mark>H</mark>  I FNMTNQETGRQQ <u>F</u> A L FNA L AAYAQN I D	N N
UniRef90	_R4YTV2	Q N I   F N M S N Q A S G K Q S F A L   F S A I   A A Y A K N L   D	Ν
UniRef90 UniRef90	_E9EFU4 _W4YI83	GTI TP F GN F S Y D OL L V D P R V R A H G T K V M O T V G S A V D R L N	N D
	_W4YI83	G T  L L  P F G N E S Y D Q  L L V  D P R  V  R A	D D
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		LN MF N Q T N Q K K K T Q R T A L A A A V Y A A A A N	



	400 440 450
QUERY	130 140 150  V V   G A K W S E E L   N S A W T     A Y D E L   A   V     K K E M D D A A
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UniRef90_D3G0B8	V L G D A A T D E I L A A W G E A Y G V I A N A F I K E M Y E E A V L G E A A T D E I L Q A W G E A Y G V I A D A I E A E M Y E E A
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UniRef90_B5H5P7 UniRef90_C5EZQ3 UniRef90_Q1Q046	L   S E Q S   V   P   V   V   R A T   L   P   V   V   G A A   L   G D   L   T E   L   F Y R K   L   F D D R P E   L   D   L   Q T K E   L   F T R Y P Q   V   M R P E Q   L E   L   V R K T F A K   L   Q P   V   S Y K A A E M F Y R H   L   F E T D P S   L   L   T   T   T   T   T   T   T   T
UniRef90_S8BSP3 UniRef90_UPI00035CA314 UniRef90_Q49WI6	TPEQAALVKSTVPVLEQYGVTLTSTFYQNMHRDLPEL MTEKQKVMVQASFAKVEPLADQAAELFYGKLFELDPSL INEKEKALIKETVPVLOERGVELTSEEVNRMETOUPEL
UniRef90_A0A024YLN8 UniRef90_F4Y0R0	VEIL VINSFEKIVKPHANEFAASFYDNLFQAHPEV LSTSTIQIVQSTVPVLASHGAAITKVFYQRLFQAHPEL QVELLESSFEQVKPKANEFASSFYENLFTDYPAA SLSDQAKSVLRATAPAVGAAILDEIAPILFYRKLFDDRPEL LSEQSVPVVRATLPVVGAAILGDITELFYRKLFDDRPEL LDIQTKELVKSTIPALKSQGEDITKVFYRELFTRYPQV MRPEQIELVRKTFAKIQPVSYKAAEMFYRHLFETDPSL TPEQAAIVKSTVPVLEQYGVTITSTFYQNMHRDIPEL MTEKQKVMVQASFAKVEPIADQAAEIFYGKLFELDPSL LNEKEKAIIKETVPVLQERGVEITSFFYNRMFTQHPEL DVRILKSSFAVVERRAEHAVKFFYSHLFWHNPGV QVELLEQSFDKVKPRATEFVASFYSHLFWHNPGV QVELLEQSFDKVKPRATEFVASFYENLFTDYPAA
UniRef90_B7FYB0 UniRef90_V6MJ42	S D E S F Q L V R A T A P V V A E H L E E L T G T F Y P K M L G R H P E L L D A Q T L A T I K S T L P L I A K T G P A L T A H F Y D R M F S R H P E L

	HHIFNAGNQANGSQQQRPLFNLFNAGNQATGRQPFLNVFNHANQRQGKQRALFNHANQGEDLNIFNHSNQRNQKQPRNVFNRINQVQGAQPA	60	
UniRef90_A4G2W3 UniRef90_UPI0004723022	H H I   F N A G N Q A N G S Q Q ( R P L   F N Q T N Q A T G R Q P F	QS R	LASAVFAYAANIDN ALANSVLQYAKNIDH
UniRef90_K4Z6M5 UniRef90_V5PPD6	LNVFNHANQRQGKQ RNLFNMGNQASGAQQ	o s	S M A L A N A V Y A A A A N I L A S A V F A Y A A N I D N
UniRef90 G1Y347	RALFNHANQGED	G A Q V H	ALAGAI LAYARNI EN ALANTI LQSAI HIEK
UniRef90_S6E1S1	RNVFNRINQVQGAQPA	A A L A T T V L A A	A KHIDD
UniRef90_UPI00047CF7FA UniRef90_UPI000370B682	LNI FNKGNQATGEQP	A	ALAASVVAYAFHIVD
UniRef90_V9HH89 UniRef90_UPI0003798E7B	KPLFNMDRQESGEQPH	K TAIJANAVYAA	ALAMALLSSAQNIDN AAHIDN
UniRef90_W9QKN7	LNIFNHANQRQGKQPI KDMFSFLRDSDEVPQI RNLFN	N N A K L K A H A L	KVFKMT <mark>C</mark> ESAÑQLEK KLMIMINMVVNSLD
UniRef90_R7YY07	NDI FNTANQ INGHQPF	R	ALAGSLFAYADNIDD
UniRef90_UPI0003B5A03D UniRef90_UPI00040A6106	R P L F N Q A H Q Q S G A Q P F	R	A
UniRef90_F4QUX0 UniRef90_B6H973	R D L F N Q S H Q G D N E V F N T A N Q A S G H Q	VGSQPR AR	ALAGALYAYAKNIDN ALAGALYAYALHIDD
UniRef90_D5D9L5 UniRef90_G3JHV7	KNV FNQTNQKTGRQQ	Μ	A
UniRef90_F8E207 UniRef90_A0A031MJ73	RNLFN NDIFNTANQINGHQPF LQIFNRSHNATGKQPF RPLFNQAHQQSGAQPF RDLFNQSHQGD NEVFNTANQASGHQ KNVFNQTNQKTGRQQ KNLFSIRNQATGAQQ ADTFNRGNQRSGEQQF KGFFNEAHQGQGTQPC MRVFNKANQAVGEQP	<b>΄</b>	ALGASVLAYASYIDD ALAASIVTFAAMLVD
UniRef90_C7NIJ4	MRVFNKANQAVGEQP	JALIANAVVIAY -	A ALASSVVAYAVQLID
UniRef90_UPI000478B2A8 UniRef90_K9XUE4	R D L F N R G N Q A A G T Q K C K E Q F D M S A Q A N G S Q P	Q <u>A</u>	A
UniRef90_Q93Y92 UniRef90_F4NCQ6	KNMFSFLRESEELPQ1 LNTFNKVNQQKGKQP1	N N P K L K A H A V T	JKV F K M <mark>I C</mark> E S A II Q L R E A I
UniRef90_C5QR69 UniRef90_H2MRF9	KNMFNQTNQQKGLQ	ST TNRELRAHGL	ALAQSVLAAAVNID
UniRef90_I3SX86	K DVF FLER DVE DLLRI K A MF S FLK D S D G V P K I K D F N L A H Q R S G G Q P	D N L D L L A H C E	KVFELTRNSALQLRK
UniRef90_K1K1W9 UniRef90_B5H323	RULFNRGNQAIGEQQI	K	ALAGSLAAFAGALVD
UniRef90_G8BNV9 UniRef90_G9EGH1	LNIFNMVNQKKGAQPI KPLFNEV <mark>H</mark> QQSGGQP	I A L A I I I L A A R A L A N	A KHIDD AVLAYVQL R
UniRef90_G0SCY1 UniRef90_M2QSV2	H N M F N S V N Q K N G R Q P F L D L F N Q G N Q A D G R Q K	R LALAS	ALTSVILTFASNINH AVVGFAECLIT DI
UniRef90_C5C8V0	LDGFSRANQRNGEQ KALFNHANOSTGAOPA	A Q	ALAGSIVKFAVHLLE ALAGAVLAYAQNIDN
UniRef90_N6V4P8	RNLFNQSHQGEG	GGQAK	ALARGVLMYARHIDN
UniRef90_X0MWP3	LNIFNMVNQKKGAQPTKPLFNEVHQQSGQPPNNFNEVHQQSGQPPLDLFNQGNQADGRQKLDGFSRANQRNGEQKALFNHANQSTGAQPRNHFNQSHQGEG	ý	ALAGSIAAFAGMLLD ALANGVLMYARHID
Offitte130_D4VV4FFF	AI ILII NIMILINGIN SOLQI I	\ \ \   \   \ \   \   \   \ \ \ \ \ \ \	A QINIV
UniRef90_UPI000289948C UniRef90_Q488B8	KPLFK QDIFNMANQHSGRQQ	G D M K E Q G A V	K L M A M I G T A V N G L D N A L F E A I A A Y A K N I E N
UniRef90_UPI00047AC008 UniRef90_A0A023WP80	LDL FNRGNQADGRQQQ QPL FNQAHQASGEQPF	Q R	ALAGSIAAFAGMLVE ALANGV <u>L</u> MYAK <mark>H</mark> ID
UniRef90_C5AB71 UniRef90_Q9M3U9	R N L F N Q S H Q K A G K G L F S F L K D A E E L P Q I L E L F S F R D V P A P E L Y E	GDMKEQGA V Q R GGQPE DNPKLKSHAV ESAKI KSHAV	ALARAVWAYAANIDN
UniRef90_R1FSQ6 UniRef90_Q07WT8			KVMNTVGVAVSMLDD IAYGANIDALGNLSE
UniRef90_K1RJ02	L P Y F N Q T N Q G K G T Q K D A F P F Q Q L A E D D M E	H S A L R S H A L	RVMGTVDKCLTRIRT
UniRef90_K6XNN0 UniRef90_B2AES1	I P Y F N Q T N Q G K G T Q P F H N F F S T T S Q T T G R Q P F	R	ALANAVĪAYGANIDK ALAGAVLAYATYIDD
UniRef90_Q6BGQ1 UniRef90_A7SFV0	K P F F N E S N Q K T M K Q P F Q N L F P E F K S L S E E L Q F	<	L L A F A L L H Y A K N I D D R V M K A V E N A V M S I D D
UniRef90_H0JB43 UniRef90_I4EVV1	RPLFNGAHQAS LDGFNRGNQAEGTQQ	GAQA <u>R</u>	A
UniRef90_D7I3E2 UniRef90_UPI0002E1B4A9	RPL FNQANQANGSQPF MNI FNMSNQFTGAQRE	R	ALANGVLMYARNID ALFNAI <mark>H</mark> GYAA <u>NID</u> N
UniRef90_V9XKM6 UniRef90_UPI000344B12C	R D L F N R G N Q K Q G E Q Q F K P L F E H T D M A S Q K K K	ζ.	A L A G S I A A F A T L Q L D L L A S L V M V V D N L R S
UniRef90_K9WVS1	R P L F K	GDMKQQER	K L MNT L A L A V EG L RQ
UniRef90_A5IPA8 UniRef90_V3Z7S3	LNMFNQTNQKRGMQSS QDVFPFKGKSADDLKI	D S K Q L  K S H A T	RIV M G T IV E K S L A N I E D
UniRef90_L8P8L0 UniRef90_UPI0003C2B1C2	R D L F N R G N Q A A G T Q R C L S L F Q Y N C R Q F S S P Q S	S	KVMLVIDAAVTQLEN
UniRef90_F6IGG7 UniRef90_B5ZIQ1	KAMFDQAAQESGEQPF	R TAIDAIDAVIDAY	RLAGAILAYAQNIDK
UniRef90_UPI0004412F50 UniRef90_A5DQY8	KNIFSHSKQMQGHQ KPFFNESDQKSLRQPH RDKFPFRDVPYEELEI	A D	ALARSVLAYAQNI DD LAFALLKYAFNI FN
UniRef90_I1FJ81 UniRef90_T0QD73	RDKFPFRDVPYEELEI SALFNPSHQKVLPGE	D S E S F L K H S L	QVMETIDLA ITLLEG
UniRef90_W7TW85	QELFNKRNQAPEPDGT KSLFKN	TPA RQPQ	A   L   A N A   V   W A Y <u>A</u> A N   I   D N
UniRef90_UPI000427512F UniRef90_B3DUZ7	SVLFQNPISSQS	R K L M	Q V
UniRef90_B5JNZ7 UniRef90_G2X8P2	RPLF HDMFNTANQANGRQPF	ISU∐KEQGR R	KLMTMITTAVRGLNN ALTSVILAFAANLNH KLINSLVLVVENLRN
UniRef90_UPI0003458DAD UniRef90_U6BCV3	KPLFTHTD KHVFNQSNQRSDRQS(	A A YIVIA T AI IIA C	A HII I
UniRef90_K9Q0C7 UniRef90_D6ZBY8	K P L F R D L F N R G N Q A Q G D Q P	E N T D V K E Q S K	KLLASLVFVVENLKN SIVAFAGLALAGDED
UniRef90_B5H5P7 UniRef90_C5EZQ3	R D F F N R G N Q A T G E Q K C K S M F D M Q K Q K D G S Q P R	Q	A L A G S I A A F A G M L L E
UniRef90_C3E2Q3 UniRef90_Q1Q046 UniRef90_S8BSP3	RQLFKR HEIFNQANQKNGHQ	D I  K K Q G R	A L A M A V L N A A K N I D N M L M Q M I D F A V K G L D D A L A T A V L A Y A K Y I D N
UniRef90_UPI00035CA314	QPLFK	SDIKSQGR	KILIMT MILIKA AIVIA GILID D
UniRef90_Q49WI6 UniRef90_A0A024YLN8	K N M F N Q T N Q K K G L Q R E L F P L S S D D M E R Q R I	S I D	ALAQSVLAAAMNIDD RLFAALTHVVSRLDD
UniRef90_F4Y0R0 UniRef90_B7FYB0	QPLF YQFFNESNQRAVPGL	DTTDM <u>VAQ</u> KK CPAASGVVTT	K L L A S L V L V V E N L R K R Q S K T L G D A V V Q L N I
UniRef90_V6MJ42	K DI F T M S H Q S S G A Q R E	<del></del> .	ALFNAICAYATNIEN

UniRef90_A4G2W3 UniRef90_UPl0004723022	120 120 120 120 120 120 120 120 120 120
UniRef90_K4Z6M5 UniRef90_V5PPD6 UniRef90_G1Y347	DQLETILPVVQQIAQKHRALNVKPEHYPIVGEHLLLAIKD AAALGPVLERIVHKHVSVGITPSHYPIVGRHLLGAIKD LGALTPVVERLAHKHVGYHILPEHYPYVATALLAALKE
UniRef90_Q54D73 UniRef90_S6E1S1 UniRef90_UPI00047CF7FA	LNEINLMPII VI HKHVALGI IPEMYPI VGAHLLGAMKI LSVLAP YVNMIGHKHRALQI KPEQYPI VGHYLLAAI KQ A HLDQLGGMVNRIAHKHASLEVQPEHYPI VGDHLLRAI RS
UniRef90_UPI000370B682 UniRef90_V9HH89 UniRef90_UPI0003798E7B UniRef90_W9QKN7	LPAIMP VVNRIAEIHCNAGVKEEHYPIIGSNLLFAIKT
UniRef90_S6AMN0 UniRef90_R7YY07 UniRef90_UPI0003B5A03D	RLESI I G MV K E S G R R HV G Y G V K A E H F D T V G N A L I W T L G Q L G K L S P A V E L I C N K H A S Q Y V R P E H Y K I V G T Y L L A A M H E D P S V L A P V V N L I A H K H A S L G I R A E H Y P I V G K H L L A S I Q E
UniRef90_UPI00040A6106 UniRef90_F4QUX0 UniRef90_B6H973	RLEALGDLPAQIINKHVALQVQPEHYPLVGTCLLRAIRE LSALAA AVERIAQKHVGLQILPEHYPHVGNALLGALAH LAALGPAVELICNKHASLYISPGDYEIVGEYLLRAMKD
UniRef90_D5D9L5 UniRef90_G3JHV7 UniRef90_F8E207 UniRef90_A0A031MJ73	LPRLTHAVERIAHKHRSIGVKAEHYPIVGEFLLKAIKD LPRLTHAVERIAHKHASLFVRPEQYAIVGEHLVGAFAQ EKASDPVEMLSRIGHKHVSLGITADQYQIVHDNLFSAIVE
UniRef90_C7NIJ4 UniRef90_UPI000478B2A8 UniRef90_K9XUE4	PEAPDES PVMERI AHKHVSL GI QGT DYLTVGHYL LEAVGT HPDVRPDAMLGRI AHKHASLGV LPEQYPI VHEHLEAAI VE LSALQSMVEKI AHKHVATYVQPEQYAI VGESL LQAI KD
UniRef90_Q93Y92 UniRef90_F4NCQ6 UniRef90_C5QR69	KEVVVADTTLKYLGTVHVKSGVKDPHFEVVKEALLRTIEE LSVLMPAVNQIGHKHRALQVQPAQYDIVGKYLLLAIKE HLENIMPVVKEVAYKHCALQVPPAGYDIVGENLIAAIKE
UniRef90_H2MRF9 UniRef90_I3SX86 UniRef90_K1K1W9 UniRef90_B5H323	GKVEVERIALKFLGYVHAQRRVLDPHFLVLKEALLKTLKE LGALAG AVERIAHKHTGFLIQPEQYHIVGSHLLATLKE
UniRef90_G8BNV9 UniRef90_G9EGH1 UniRef90_G0SCY1	LSPLIGH VKQI GHKHRAL QI MPEHYPI VGKNL LAI KD SEPAQARATLDI VVSKHVSL GI LPEQYPI VGECL LAAL GE USELIPKF ERMCNKHCSL GVQPEHYEI VGKYL LRAFSE
UniRef90_M2QSV2 UniRef90_C5C8V0 UniRef90_UPI000372B9EC	GEAVRFEQVAERI AHKHVSLGI RAEQYPVVGHHLLAAVGT NPGTLPEAVLARI AHKHTALGI TEDQYQI VYENLEWAI AD CLGAVLP VVERI AQKHVGYHI LAEHYPFVAEALLGAI KD
UniRef90_N6V4P8 UniRef90_UPI000463C9E2 UniRef90_X0MWP3	LAVLGPAVERI AQKHVIGIL QI QEHHYPHVIA NALLAAI KQ LEALGP LMSQVINKHVSLQI LPAHYPI VIGACLLRSI RE HPDTRPDAMLARI AHKHASLGI TADQYKI VNEHLLAAI SD
UniRef90_S6ATA0 UniRef90_D4W4H1 UniRef90_UPI000289948C UniRef90_Q488B8	DNLGAIMPVVNKI AVKHCDCGVLEEHYPI VGAHLLGAIKE LEAIVP AVQNLGKGHAKYGVKDSHYDTVGGALLYTLET LAALTTAVERI AQKHTSFNI KADHYAI VGHHLIETILRE
UniRef90_UPI00047AC008 UniRef90_A0A023WP80 UniRef90_C5AB71	KPDQVPDHLLSRVAHKHVSLGLSPDQYQIVHDHLMWAIVD RLEALGPLVAQIINKHVALQVLPEHYPLVGS <mark>C</mark> LLRAIRE LGALGGAVSRIAH <u>KH</u> VSLSVRPEHYPIVGDNLLAAI <u>V</u> E
UniRef90_Q9M3U9 UniRef90_R1FSQ6 UniRef90_Q07WT8	G E V V V S G S T L K Y L G S V H L Q K G V I D A H F A V V K E G V L R T V E K V P A L L P V L E G L G K K H V D Y G V V P A H Y E V V G Q A L L D T L A L A V S K I V Q K H V A L G L L P E Q Y D A V G S C L I Q A I K A P E K L Q S L M H E L G E R H V N Y S A K Y D F L D M V G G Q F V H A I K P
UniRef90_K1RJ02 UniRef90_K6XNN0 UniRef90_B2AES1 UniRef90_Q6BGQ1	PEKLQ SLMHELGERHVNYSAKYDFILDMVGGQFVHAIKP LGNLSDAVSKIVQKHCSLGILPAQYDAVGSCLLKAIAT LPKLTHAVERIAHKHVSLQVTPEQYDIVGKYLIQALGQ
UniRef90_A7SFV0 UniRef90_H0JB43 UniRef90_I4EVV1	VMSFSAYLEELGRRHKTRALKPSYLEAMHGALMDTLRN RLDTLGPLVEQIVNKHVSLQVQADHYPLVGLALLQSIRE SPEQVPEHLLARIAHKHASLGITPAQYEVVHEHLFWAIVD
UniRef90_D7l3E2 UniRef90_UPl0002E1B4A9 UniRef90_V9XKM6	RLENLGGPASQIINKHVALQILPQHYPIVGACLLQAIRE PLEVLLP VVEKIAQKHVSFNITPEMYAIVGENLLATIDE PDPARVEALLSRIAHKHASLGIKPDEYWIVHKHLFEALVE
UniRef90_UPI000344B12C UniRef90_K9WVS1 UniRef90_A5IPA8 UniRef90_V3Z7S3	PDVL DKILRGLGARHVKYGALPEHYPLVGGALLITFQQ PDQIIP AVQKLGRNHAGYGVKAEHYPIVGEALLWTLAQ DNLSVIKPVIMPVAKHCALQVYAEHYPIVGENLLKAIQD
UniRef90_L8P8L0 UniRef90_UPI0003C2B1C2 UniRef90_F6IGG7	HPEQRPDVLLGRIAHKHAALGVTAEQYGTVHEHLFAAIAD LLCLEEYLCNLGKKHQAVGVKMDSFSAVGDSLLYMLEK LEALTAP VMRMAARHVETGVKAEHYPLVANALLPAIRD
UniRef90_B5ZIQ1 UniRef90_UPI0004412F50 UniRef90_A5DQY8	PGALGGM VERIAEKHVGLNIRAEHYPFVAEALLGAIAH LTPAIPLVERIAHKHASLHIVPAQYAIVGKYLLQALTD LEPLTG FVQQIVTKHVGLQVKPEHYPLVGTCLLNTMEN
UniRef90_I1FJ81 UniRef90_T0QD73 UniRef90_W7TW85 UniRef90_UPl000427512F	VLTS AVERMA QKHVSLYI LPEHY GV VGTHLLA AI KT LS ALS A AVSL I A HKHASLHV LPEHY PMV GECLLA AI A Q
UniRef90_B3DUZ7 UniRef90_B5JNZ7 UniRef90_G2X8P2	AVSKI VQKHVALGI LPEQYDAVGGCLI QAII KAPEGERHVNYSAKYDFIDMVGGGFVHAIIKPEGERHVNYSAKYDFIDMVGGGFVHAIIKPEGERHVNYSAKYDFIDMVGGGFVHAIIKPEGYDIVGGLUKAIIATEGERHVNYSAKYDFIDMVGGGFVHAIIKPEGERHVNYSAKYDFIDMVGGGFVHAIIKPEGERHVNYSAKYDFIDMVGGGFVHAIIKPEGERHVNYSAKYDFIDMVGGGCLI KAIIAT LGNLSDAVGKI VQKHVGLQVKPEHYPLVGQCLL DTMETT VMSFSAYLEELGRAKHVSLQVTPEQYDIVGGKYLI QAILGGTWAITEGERHVNSFSAYLEELGRAKHVGLQVKPEHYPLVGQCLLDTMETT VMSFSAYLEELGRAKHVGLQVKPEHYPLVGGCLLDTMETT VMSFSAYLEELGRAKHVGLQVQADHYPLVGGALLLQSIREESPEQVPEHLLARIAHKHASLGITPEMYAIVGENLLATIDE RLENLGGPASQIINKHVGLQVQADHYPLVGGACLLQAIREESPEQVPEHLLARIAHKHASLGITPEMYAIVGENLLATIDE PDYARVELLSRIAQKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAQKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITPEMYAIVGENLLATIDE PDYARVELLSRIAGAKHVSFNITAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
UniRef90_UPI0003458DAD UniRef90_U6BCV3 UniRef90_K9Q0C7	
UniRef90_D6ZBY8 UniRef90_B5H5P7 UniRef90_C5EZQ3 UniRef90_Q1Q046	RYGAV  LDRIAHKHASLGVTAELYSVVHEHLFAAIAQ  RPEERPDAMLARIANKHASLGVTSEQYKLVHQHLFAAIAE  LEKIRP SIESIGKTHVRLNVRPEHYPLVGECLLVAIKE  PEIILP AIQALGKRHIGYGVKEEHYETVGNALLWTLEQ
UniRef90_S8BSP3 UniRef90_UPI00035CA314 UniRef90_Q49WI6	LSV LG E AVEL COKHASLLI QPGHYDI VGKYLLAAI KE LGTLVP VVQNLGKRHVGYGVPESSYKTVGEALIFTLGA LTRI LPVVKEI AFKHCALQVPPAGYDI VGENLLAAI QN
UniRef90_A0A024YLN8 UniRef90_F4Y0R0 UniRef90_B7FYB0	E A L G P Y L H D L G R D H R K F L V R P E H Y A V V G S S L L A A L A E P D T L S S A L K G L G A R H V Q Y G A L P E H Y P L V G N S L L K T F E Q D K L E N L N E A V L R I A H K H C A L G V K A E H Y Q I V H D N L M E A I G E
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UniRef90_H0R4L5	1
UniRef90_Q3SGG8 UniRef90_E1V3U8 UniRef90_UPI00031FBDF7	L S A E T L A T I K S T A P L L A E Q G R A I T D L F Y S K L F S E H P E L L T S T Q E R I I E A T A P V V A E H L T T I T Q H F Y P L M F E R Y P E V L S E K S R P V I A Q T L G V V A E R L P H I T P E F Y R S M F E A R P D L
UniRef90_A0A017T2A5 UniRef90_UPl0004663FAC UniRef90_Q6WZ20	MT E T Q K Q L V K D T V P V L K E N G V A L T D Y F Y K R M L R N N P E L I
UniRef90_UPI0004654DE8 UniRef90_UPI000474CFBA UniRef90_S9RC72	L S D Q L I Q T I K E T A P V L A E Q G V Q I T D L F Y T K L F A N H P E L P L G E N T I R V K A T V P A L E A H G L A I T R R M Y E R M F Q N P E I L N D S Q K Q Y I R S S I P I L E S N G V D L T K N F Y K K M L E N Y P E V
UniRef90_I4BF95 UniRef90_UPI000382B6E6 UniRef90_K6VMS7	LEPAHAQ VSATLPLIGAHI DEITTEFYRGM FSAHPEL DADALKRTWAQVAAHGDAVPGYFYAHLFLAHPET LSDTQRETLAATLPAVAGALGEITQRFYAGMFAAHPEL
UniRef90_J9ZAU4 UniRef90_Q1R0E4 UniRef90_W3WSE3	E A I K K S V D V L A P H G T K V T E Y F Y N Y L F R K Y P E V
UniRef90_UPI00047C30DC UniRef90_A5EFK6 UniRef90_M4AD09	SSYSNERIELVETSFEKIKPRAVEFVSSFYQNEFETYPET MTPSQLTLVQESFAKVAPISDQAAVLFYDRLFEVAPPV
UniRef90_W5MYS7 UniRef90_UPI00034B10F6 UniRef90_UPI00036DA9C1	LTAKDKEMI RDSWERLGKNKLTHGTIMFTRLFELDPELLSETEIQTIRETVPLLKEKGQDITAIFYKRLFEEHPEL
UniRef90_K5W0S2 UniRef90_UPI0004221702	LTAKDKEMI RDSWERL GKNKLTHGTI MFTRLFELDPELLSETEI QTI RETVPLLKEKGQDLTAI FYKRLFEEHPELMNAQQIELLKSSWAKVVPIKDTAAELFYGKLFEMDPAVGLTEAQKKLVKSTAPILEQHGEAITKLFYKQMLERNPELLDAQTIAVVKSTIPLLAATGPKLTAHFYDRMFTHNPELLSTKSFPVIEATLPIIAERISSITPNFYNRLFTAHPEL
UniRef90_E1VSY0 UniRef90_N2IVI4 UniRef90_UPI00037D2DC1	MS MS KVDL VQS T F A KVQ PILA D TVA ELIF Y QRL F ELIS PSL
UniRef90_B6EMQ0 UniRef90_F2P5D9 UniRef90_R7URJ5	
UniRef90_F7VG60 UniRef90_UPI0004015458 UniRef90_H8Z115	L N Q K I I D I V K A I A P V I A E A G P V V I Q H F Y Q R M F S H N P E L L T D R Q M T L I E D T W S I V Q R D I S T V G L D M F S R M F E A F P G I L D D T T R A I I T A C V P A L E A H G L D I T S K F Y S R M F D N N P D L E E I E I I H S T I P I L Q D K G V E I T S K F Y S R M F D N N P D L M T S D D I A L V R T S W A Q L Q P Q A E Q V G A A L Y Q R M F N D H P E L L S Q K S A E T V R A T L P A V G E A I G T I A D L F Y R K L F A A H P E L G Q L S P E H G E V I K A T L P L V G A N L E N I T K L F Y K T M F E K H P E L L D E K S I A I V Q S T L P L L Q Q Y G P G L T N H F Y Q R M L S H H P E L
UniRef90_G2PFF3 UniRef90_M5E7R5 UniRef90_UPI0003FE0E77	GQLSPEHGEVIKATLPLVGANLENITKLFYKTMFEKHPEL LDEKSIAIVQSTLPLLQQYGPGLTNHFYQRMLSHHPEL MTLKQSLVVQKSWQKLKPLAPQAAKLFYETLFEMDPSL
UniRef90_G4QHE2 UniRef90_Q9M630 UniRef90_A7RZB2	SKENEQILVKQSWEILKKDAQRNGIINFFRKVFEIIAPGA PIDAKETQI VRKTWAILGDRQVEVGKSIJEIJREEFEHPTS
UniRef90_A0A058ZPU3 UniRef90_UPI0004775DCC UniRef90_I3SPJ6	MNETQIDMIQASFAKVAPIAETAADIFYTRLFEIAPEV LSERSIPVIRATLPAVGAALDEITGRFYAGMFDAHPEL SFTQRQEALVNSSWEAFNQNLPFYSVLFYTFILEKTPAA LELIEQSLELIKPKSRDFVHSFYQNLFLAYPET
UniRef90_UPI00034D7B38 UniRef90_V4BDN7 UniRef90_UPI00036530AA UniRef90_UPI00026C6E69	STLSPAHAEVVKATLPLVGGAIGEITPVFYRLFAAHPELLVPAHEQIVRDTLPLVGEHVEEIAPVFYGRMFAAHPEL
UniRef90_P02004 UniRef90_J2L084 UniRef90_UP1000474C436	STLSPAHAEVVKATLPVVGGAIGEITPVFYRRLFAAHPELLVPAHEQIVRDTLPLVGEHVEEIAPVFYGRMFAAHPELLTAEDKKLIQQTWGKLGGAEEEIGAEALWRMFHAYPPTPLSARTIELVKQSAPAVAAHASDITKTMYGLLFKDEHISQKTIEIVKSTAPFLKKSGKQLTARKYEIMFENHPEV
UniRef90_B0C7N8 UniRef90_Q0VR92	VEI LESSFEKI KPHADEFAASFYENIFIAHPEU QTELLTNSFDLLRENEAEFTQVFYGTLFTDYPQV MTPVQIALVQNSWDKVDAISDQAASLFYDRLFTNDPAL
UniRef90_K0RES8 UniRef90_D9XN99 UniRef90_UPI00039BD3CD	A A L F A R R K GAI QT T WVA V G D S GI E A T R L F Y E R L F D Q H P E V L S T QS M P V V R A T L P A V G A S L G S L T E L F Y R R M F E E R P E L L V K E S F S V V E Q H A E R A T A Y F Y G R L F A E N P H L
UniRef90_B3SGL5 UniRef90_UPI0004226736 UniRef90_N9KY63	AFTERQEAL VNSSWEAFKKNIPQISILFYTLI LEKVPDA DVVRATLPAVRAHAVQITDRFYAALFAAHPEL MTPQQIDLVKATVPVLRENGVALTSYFYNRMLGNNPDL
UniRef90_R6VV13 UniRef90_I0JWE7 UniRef90_W7S8R2	MT QEQIKLIQKS WLYVIDKA DEAGRLFYKRLFEVEPNVLSSSSATIVA AT LPAVRA A AVDISTTFYA GMFA E HPAL
UniRef90_UPI00036F3778 UniRef90_A9U5F4 UniRef90_M7B321	SKESVALVKAN WELLKVDA QANAVAF KEVFELLAPET
UniRef90_I3TM66 UniRef90_UPI000349A681 UniRef90_L8G042	L S D A T L T L V K A T V P V L R T H G E A L T T R F Y E R L L A A P E L L S T E S A A T V R A T V P A V A G A L D T I T A R F Y D T M L G E R P E L L A L T P E Q T A L V K S T A P V L E Q H G N A I T S H F Y K R L L A A V P E L L D A Q T I A T V K S T L P A I A Q L G P Q L T G H F Y Q R M L T Q H P E L Q V K L L E Q S F E G V K P N A H A F A A S F Y D N L F S D F P Q T L T A D D K K M I Q Q T W D K A S G H A E A V G E E A L W R L F L T Y P Q T
UniRef90_E6WF30 UniRef90_Q7NKA6 UniRef90_I1VYK1	LDAQTIATVKSTLPAIAQLGPQLTGHFYQRMLTQHPEL QVKLLEQSFEGVKPNAHAFAASFYDNLFSDFPQT LTADDKKMIQQTWDKASGHAEAVGEEALWRLFITYPQT
UniRef90_UPI0003F065FF UniRef90_UPI0003776242 UniRef90_C1BX42	MTPAEVD MV KTTFVQI LPQADEFGPKFYERLFSLDPTL
UniRef90_UPI000332FBA8 UniRef90_D2Q0K7 UniRef90_H6L2T7	SLIKSERASI MSI WDKI AMRAEAI GIEILERLIFVIYPQA AALKSSWDVVAKAGDEVPMFFYSHLFLSHPEV MNOFDURI VOASWPI I FFHAFTITRIFYKNMISNHPEI
UniRef90_H3ABR1 UniRef90_B4WP36 UniRef90_C3XHE5	LISANDKILISSIWNKVAANAEDIIGAEALERLELAHPQI VEVLEQSFELIKPRADEFTASFYENLLIDYPAA
UniRef90_G1Q293 UniRef90_I0IMI4 UniRef90_P02104	SLITRAERITI VSMWGKI AAQADII GMETLERLEASYPQI DLIKASAQLI APLGSKVTEYFYNTMFTDHPEV
UniRef90_W9BRU3 UniRef90_UPI00035F1C6F UniRef90_UPI000382FD6C	A D A Q L I R A T M E E V A P V A D K T T S Y F Y A L L F L R H P E L L S L F S A A V L R A T L P V V S F A L D F L T A H F Y G T M F A F R P F L
UniRef90_M2APL6 UniRef90_A0A031LVQ3 UniRef90_A5VG98	MTPEQVIIL VKESWEKIVKPIISEQAAELIFYGRLFILIDPSLI MTPQHLELVKATWPVLRENGVALTTYFYNRMLNNNPELI ALISPQTMTLVKATAPALQQHGVDIITTRMYQRLFVDPEII
UniRef90_UPI000474967A UniRef90_W5MM10 UniRef90_G7GT95	MI E A T L P V V G A E L G A I S R V F Y N R L F R A V P S L S L S T A D K D N L T K T WA K V S P K A A Q I G A E A F G R L L I V F P Q T E H A D Q I T A T F Y P D M F E A H P E L
UniRef90_S9TXC2	ALSEHT IKVVEATAPVVAAAGP DLTAAFY QRMIT GNPEL

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UniRef90_H0R4L5 UniRef90_Q3SGG8 UniRef90_E1V3U8	R N L F N R G N Q A Q G A Q Q R Q H I F N M A N Q A Q G E Q A P L F N Q T H Q A T G G Q P L D M F S R A N Q K N G T Q P Q A L A G S L A M F A S H L L N
UniRef90_UPI00031FBDF7 UniRef90_A0A017T2A5	LINIVIFNHAHQREGRQQAAILIAGAIVIYAAA KHII IDD
UniRef90_UPI0004663FAC UniRef90_Q6WZ20 UniRef90_UPI0004654DE8	KEVFNMGHQRS GAQAKALAGAVLAYAENIDD LPLFQYNCRSPEDCLSSPEFLDHIRKVMLVIDAAVTNVED KNIFNMANQAQGEQ SKALAESVEMYASYIDQ
UniRef90_UPI000474CFBA UniRef90_S9RC72	R D L F N Q S H H G E T G S Q P R A L A A A V L A Y A Q N I D N R P Y F N K A H Q T S L S Q P R L L A F A L L N Y A K N I D D
UniRef90_I4BF95 UniRef90_UPI000382B6E6	R N L F N R G N Q A Q G A Q Q R A L A A S I A T F A S H L V D R D L F P V A M A Q R D R L V K A L G H M V S N V D R
UniRef90_K6VMS7 UniRef90_J9ZAU4	R D L F N R T H Q K T G E Q P Q A L A G S I A A F A K L Q L E R P M F P D D M G P Q A K R L L D S I V Y I A S N I D N K T L F N A T H Q H T G G Q P R A L A G A V V G Y V Q L R H T
UniRef90_Q1R0E4 UniRef90_W3WSE3 UniRef90_UPI00047C30DC	NNYFNAVNMKNGSQPR ALTKLI LAYASNISH QRLF GKTDMDKQGKKLLNSLIL LVEGLRT
UniRef90_A5EFK6 UniRef90_M4AD09	
UniRef90_W5MYS7 UniRef90_UPI00034B10F6	KLYFSQFKHDTEELEHSPQLRKHAQRVMNALNTLVENIDD LGLFHYNTPYSSPQESSPEFVDHINKVMLVVDAAVTHLDN KNVFNQTNQKKGLQSSALAMAVVAAA ENIED KPLFK GDMKEQGRKLMAAINTVVNGVDK RNNFNHSKQQRGDQAEALARAVYAYA AYIDD
UniRef90_UPI00036DA9C1 UniRef90_K5W0S2 UniRef90_UPI0004221702	RNNFNHSKQQRGDQAEALARAVYAYA KEIFNMSNQRNGDQRE ALFNAICAYAANIEN
UniRef90_E1VSY0 UniRef90_N2IVI4	LDI FSRSNQKNGTQQQ ALAGSI AVFATYLVK KALFDEAAFKSGEQPK RLAGAI LAFAKNAD
UniRef90_UPI00037D2DC1 UniRef90_B6EMQ0 UniRef90_F2P5D9	RPLFK GSMEDQQRKLMSTLAIIAVEGLRQ KDIFNMSNQRNGDQRE ALFNAI CAYAGNIEN KDVFNMSNQHAS DGNIASRQQEALFNAV CAYANNIDN
UniRef90_R7URJ5 UniRef90_F7VG60	K E S F P L S S M V P E D H R Y R K E L S E H G V R V L N T V D T L L R L R H D S A L F N R S H Q K N G E Q P T A L A L A V L M Y A R N I N D
UniRef90_UPI0004015458 UniRef90_H8Z1I5	R N M F N Q P N H K Q G L Q S T A L A T A V L A A A Q H I E D R R L F K G E M D E Q A H K L M R M V N R T V D T L D D
UniRef90_G2PFF3 UniRef90_M5E7R5 UniRef90_UPI0003FE0E77	R N L F N R A H Q A A G T Q R Q A L A G A L A A S V A T F A S M L V N Q A L F N M S H Q R N G A Q R E A L F N A L C A Y A A H I D
UniRef90_G4QHE2 UniRef90_Q9M630	K P M F K G D MIVIE Q G N K L M S MIL D A A I I K L L D D
UniRef90_A7RZB2 UniRef90_A0A058ZPU3	KAMYSFLRDSTIPFEENPKVKNHARYVFMMTGDAAVQLGE KDLFPFRNISNEKIAESPALYGHARRVMKSVDNAVASIEN KPMFK GDLSEQGKKLMTTLGVVVNGLKD
UniRef90_UPI0004775DCC UniRef90_I3SPJ6 UniRef90_UPI00034D7B38	R D V F N R G N Q A N G E Q R Q A L A G S I A A F A T M L V E K N M F S F L K D S N E V I Q G N P S A N A H A K M V F G M V R G A A I Q L Q V K R L F A K T D M K N Q E K K L F A K T D M K N Q E K K L L L N S L V L L V E S L R
UniRef90_V4BDN7 UniRef90_UPI00036530AA	Q D V F P F K G K S K E D L K Q S T Q L R S H A L R V M G T V E K <mark>C L A R</mark> I N E R D L F N R G N Q A N G S Q Q K A L A G S V A M Y A T L L V H
UniRef90_UPl00026C6E69 UniRef90_P02004 UniRef90_J2L084	RDTFNRGNQAQGAQQK ALAASVATYATLLVA KTYFPHF DLSQGSDQLRGHGKKVVAALGNALKNLDN KALFNQAN HGENGSQVHALAAAI VGYAQNIDN
UniRef90_UPI000474C436 UniRef90_K9VX73	K E K F N M S A Q T D G S Q P       K L A T A V Y S Y A S Q I D N O P L F D N V D L E K Q Q K K L I N A L V L V V E N L R S
UniRef90_B0C7N8 UniRef90_Q0VR92	K P L F S N T H M D E Q A K K L F A S L L L V V N N L T K K P L F K G N M E E Q G K K L M T M I G V A V R G L D K
UniRef90_K0RES8 UniRef90_D9XN99 UniRef90_UPI00039BD3CD	K P M F S D P D D M E E Q A A K L L K T L S V A V E S L S D R S L F N R A N Q A S G A Q R E A L A G A V A A F A T T L V E R A M F P P A M D V Q R D R L F G A L A R L V W S L D S
UniRef90_B3SGL5 UniRef90_UPI0004226736	KDMFSFLKNFDGILPHNNSTLLEAHAELIFEMTRDSAVQLRA
UniRef90_N9KY63 UniRef90_E0VN13	KETFNLIGHQRSGAQAQALLAGAVLA YAENI ED
UniRef90_I0JWE7 UniRef90_W7S8R2 UniRef90_UPI00036F3778	RENIEKQGRKLIDVLNWIVLNLQD LDLFNRGNQANGDQQ RALAGAVIAYAESLLSGVD RDFFP ASMQAEQGRVVRELVHILHLVDR KGFFSFMQDTSIPFEDNPKVKFHALQVFKLTGDAAAQLGE KTYFPHF DLSQGSAQLHDHGSKVLGAIGEAVKNIDN AAMFDPAHQRDGSQPRALAAAVLA YAEHIDN
UniRef90_A9U5F4 UniRef90_M7B321	K G F F S F M Q D T S I P F E D N P K V K F H A L Q V F K L T G D A A A Q L G E K T Y F P H F D L S Q G S A Q L H D H G S K V L G A L G E A V K N I D N
UniRef90_I3TM66 UniRef90_UPI000349A681 UniRef90_L8G042	LDLFNRGNQASGEQRR RNVFNAAHQESGEQQS  ALAGSI AAFAT L L LE ALARAV WGYAAHI GD
UniRef90_E6WF30 UniRef90_Q7NKA6	K D V F N M N N Q R S G N Q R E Q A L F A H S D M Q A Q Q K L L A S L V L V V E N L R Q
UniRef90_I1VYK1 UniRef90_UPI0003F065FF	KTYFPHF DILITRGSEQIVIRSHGKKIVIANALITNAIVIKNILIDN KOIJEPICRDKTGEELLIKDIJNEKGHASREMOSIVIGAAIVIDNI IDN
UniRef90_UPI0003776242 UniRef90_C1BX42 UniRef90_UPI000332FBA8	KEMFK EDMAVQSKKLVRMLATLVAGLQS KTYFSHF ADLTPGSAQVRKHGDTI MNKI DDCVNHMDD KTYFPHF DLHQGSPQLRAHGTKI VAAVGDAVKNIDN
UniRef90_D2Q0K7 UniRef90_H6L2T7	REMFP VS MAAQRDKIL VIGALIGAV VIS NAAE KNITFNITAN QALIGQQQKS ILALISIV LIAYAK HITEQ
UniRef90_H3ABR1 UniRef90_B4WP36 UniRef90_C3XHE5	KIYFSHM DLSPGSSMLRAHGKKVMGTIEGSIKSIDK RPLFEH TSMPKQRHMLKGALVMVVDNLRK RTMFDMTKQQNGKQPK ALAMAILHAAMNIEN
UniRef90_G1Q293 UniRef90_I0IMI4	KTYFPHF DLHPGSAHLRSHGSKVVAAVGDAVKHIDD RKMFP AEMGVQAQRLFDSIVYITSNIDK
UniRef90_P02104 UniRef90_W9BRU3	Q R F F D S F G N L S S A S M G N P R  V  K A H G K K   V L   T A F G E S   L  K N   L   D N K Q M F D Q A A Q E S G E Q P R R   L   G Y A E N   V   D K
UniRef90_UPI00035F1C6F UniRef90_UPI000382FD6C UniRef90_M2APL6	RELFP AAMDAQRDRLLKALLTAAEHIDD LDLFNRGNQASGEQRK ALAGSIAAFAQALPA RALFK GDMSEQGKKLMSTLTLAVTSLD
UniRef90_A0A031LVQ3 UniRef90_A5VG98	KNTFNMDHQSTGRQPRALLAAAVLAYA ENIL KATEDMAAQESGAQPK RIAAAITAEAQNVDK
UniRef90_UPI000474967A UniRef90_W5MM10	RDIFNRTNQADGAQQR ALADSVAAFASLLVS KIYFTHFADLS PSSAQVKAHGAKVMGALAQAVSHLDN
UniRef90_G7GT95 UniRef90_S9TXC2	LNTFNTANQALGEQPK ALAASVVAFAVQLID KDVFNLAHQHNMRQPK ALFDSVVGYATHLRD

UniRef90_H0R4L5 UniRef90_Q3SGG8	100
UniRef90_E1V3U8 UniRef90_UPI00031FBDF7 UniRef90_A0A017T2A5	K N P A Q A R H A L E T V V N K H V S L D L Q P D Q Y P L V G E C L M A A L G D H P D S Y P D E V L S R V A H K H A S L G L K P E E Y P T V H E H L F K A L A A L G A V L P V V K Q L A H K H R S L G L L P E H Y P V V G K N L L R A L K E
UniRef90_UPI0004663FAC UniRef90_Q6WZ20 UniRef90_UPI0004654DE8 UniRef90_UPI000474CFBA	LSSLEEYLASLGRKHRAVGVKLSSFSTVGESLLYMLEK LDYLTPM VKRIAHKHASLHILPEHYPLVGKYLLESIKE LGVLGHAVERIAOKHVGINILPEHYPHVATSLLGALOD
UniRef90_S9RC72 UniRef90_I4BF95 UniRef90_UPI000382B6E6	LAPLSGFIDQIVMKHVGLQIKAEHYPIVGNCLLATMQE PDLPHPAELLSRIGHKHASLGVTADQYPIVQEHLFAAIVA VGDVVP YIEDLGRDHRKFGTVAGHYPAVGGSLLATLKH
UniRef90_K6VMS7 UniRef90_J9ZAU4 UniRef90_Q1R0E4	P D V R R Q R F I L E R I A H K H A S L G V T R D Q Y A V V H E H L F A A I V E L D K L V P Y L E R L G A G H T K Y N T R P E H Y P A V G D A L L A T L S H P Q R L D E V L G L I V D K H V S L G I R P E H Y P I V G E C L M A A L G E
UniRef90_W3WSE3 UniRef90_UPI00047C30DC UniRef90_A5EFK6 UniRef90_M4AD09	PELL VP LKDLGARHKGYGTVAEYYPLVGDLLLQTFAD LDTVLP AASALAKRHVNYGAKPEHYPVVGAALLWTLEK SFKVA SVLKIVGKAHAKHKVDPVYFKILSGVLVFVLGF
UniRef90_W5MYS7 UniRef90_UPI00034B10F6 UniRef90_UPI00036DA9C1	L H S L E E Y L V N L G R K H Q A V G V Q T Q S F A A V G E S L L Y M L E R L T P I V P A I M P V V Y K H C A L Q V K P E H Y P I V G E N L I WA I E E L D T M V P I L Q D M G R R H V A Y G V K D A H Y D T V G A A L L W T L E K
UniRef90_K5W0S2 UniRef90_UPI0004221702 UniRef90_E1VSY0	LTPILP VVERICNKHASLHI LPEQYPI VGENLLNAITQ LAALLP AVEKI AQKHTSFQI KPEQYNI VGSHLLATLDE YPETTPETMLARVAHKHTSLGVVEEQYPI VYKHLFDAI AE
UniRef90_N2IVI4 UniRef90_UPI00037D2DC1 UniRef90_B6EMQ0 UniRef90_F2P5D9	PQAII KAVQQLGKRHADYGVMAQYYDVVGEALLWTLEQ LAVLLPAVEKIAHKHTSFLITAEQYNIVGGHLIATLDE LAVLLPAVEKIAHKHTSFLITAEQYNIVGTHLLATIDE
UniRef90_R7URJ5 UniRef90_F7VG60 UniRef90_UPI0004015458	PDKTI ETLHDLGGKHISFNAKVDYIDLLGQHFLFAMEP LGKLGGM VERIAEKHVGLNILPEHYPHVGTALLGAIKH LSPIVP VVIPLAHKHCGLQVMPEHYPIVGENLLAAIQE
UniRef90_H8Z1I5 UniRef90_G2PFF3 UniRef90_M5E7R5 UniRef90_UPI0003FE0E77	R P G V R P D T L L S R I A H K H A S L G V S A A Q Y P V V H R H L S A A I A E K D A P L P D H L L S R I G H K H V S L G V T E D Q Y Q I V H D N L F Y A I V Q H P A T I S T A V F R I A H K H A S F A I Q P F Q Y A I V G H H I L K T I F F
UniRef90_G4QHE2 UniRef90_Q9M630 UniRef90_A7RZB2	PDKLIP AVQKLGERHVSYGVKPEHYSTVGAALLKTVET KGAQVLESKLQKLAATHVNAGVTDDQFELVKEALLYALEM VQVYSAYLYELGTRHQTRQLSEEQLKFMGGAFLFAMRL
UniRef90_A0A058ZPU3 UniRef90_UPI0004775DCC UniRef90_I3SPJ6 UniRef90_UPI00034D7B38	R P D A R P D A ML A R I A N K H A A L G I T P D Q Y K I V H D H L F A A L V D  K G E V V L E D N V L G V V H T Q K G V D R H F M V V K E A L L K T M K E  OPILI L K O L A D L G A R H K O Y G T L P O Y Y P L V G E L L K T E A D
UniRef90_V4BDN7 UniRef90_UPI00036530AA UniRef90_UPI00026C6E69	QPILKQILADLGARHKQYGTLPQYYPLVGEILLKTFAD PQKM DEMLHQLGSRHVMYNAKVDYIDLIGPQFIWAIQP PDA RGADVIERIAHKHASLGVAPEQYPVVYEHLFAAIVE PDGPSPAALLSRIGHKHVSLGITEDQYEIVHEHLMAAIVE LSQALSELSNLHYNLRVDPVNFKFLSQCLQVTLAT LAPLP VIERIAHKHIGFHILSEHYPYVAKSLLAAIRE LSALKSMVEVIALRHVQVQILPQEYPIVGESLLQAMKD
UniRef90_P02004 UniRef90_J2L084 UniRef90_UPI000474C436 UniRef90_K9VX73	LS QALS ELS NLHYNLRVD PVN FKFLS QCLQVTLAT LA PLLP VI BRI A HKHI GFHI LS EHY PYVAKS LLAALRE LS ALKS MV EVI ALRHVQVQI LP QEYPLVGES LLQAMKD PEALVP VLNALGGRHI GYGVI PKYYEPVGS ALLMAFEQ
UniRef90_B0C7N8 UniRef90_Q0VR92 UniRef90_K0RES8	PDALS SALKGLGTRHVKYGVLPEHYPLVGSTLLKSMAA
UniRef90_D9XN99 UniRef90_UPI00039BD3CD UniRef90_B3SGL5	K G K IV IA D DIVITIL IE Y IL IG S IV HIV Q K G IV I I D L H F M V F K E A M L IK T I I IK K
UniRef90_UPI0004226736 UniRef90_N9KY63 UniRef90_E0VN13 UniRef90_I0JWE7	PRAPFTPVA ERVAHKHVSLGIRAELYPVVGRHLMAAVGEPSVLAPVIEL VAHKHVSLNIQAPDYNIVGENLLHSISEPEKL ETLLKELGRKHVGYGAKQKYVELVGPQFILAIKPIDTAL DAAKELARRHVKYGVEVEHYPLIGHTLIWTLGK
UniRef90_W7S8R2 UniRef90_UPI00036F3778 UniRef90_A9U5F4	VDPVVRRIAHKHASLGIRPEQYTIVGRHLLSAVAR PDDLAP YLHQRGRDNRRFDMRPEHYEAIGTALLGALRQ KGAELLQSRLHSLAAKHLSKGVQDAHFEVVKEALLRTIAA IT GALATLSELHYILRVDPVNFKLLSHCILCSVAA
UniRef90_M7B321 UniRef90_I3TM66 UniRef90_UPI000349A681 UniRef90_L8G042	I T GALLATILSELHYI LRVIDPVN FKLLISHCI LCSVAA LAALAG AVERIAHKHVAVQVR PEQYDVVGANLLAAISD HPDERPDALLSRIAHKHVSLGVT EDQYVVVHRYLFDAIAS LDKLSSTVSRIGHKHAGLGVAPEHYPIVGEHLLASIQE
UniRef90_E6WF30 UniRef90_Q7NKA6 UniRef90_I1VYK1	LAVLLPAVEKI AQKHVSLNI QPEQYAL VGENLLATMQA PQVLS TALQDLGNRHAGYGI VPEHYPMVGTSLLKTFET LSQALSELSDLHYNLRVDPVNFKLLSQCFQVVLAV
UniRef90_UPI0003F065FF UniRef90_UPI0003776242 UniRef90_C1BX42 UniRef90_UPI000332FBA8	LETSLAPLLMNLGKSHNHFGFELNYFDSFTGAMLHVWELLETVVP TLEALAIRHVGYGVRDEHYNVIGQSLIWTLEQ LVSYLSSLSELHAKLRVDPANFKILAHSLLVVVAA MQGALTKLSELHYILRVDPVNFKLLSHCLLVTLAA
UniRef90_D2Q0K7 UniRef90_H6L2T7 UniRef90_H3ABR1	LDKVVP FLQQLGRDHRRFSVIAEHYSAVGASLLATLQH
UniRef90_B4WP36 UniRef90_C3XHE5 UniRef90_G1Q293 UniRef90_I0IMI4	LATVLSRLSDMHYNFMVDPVNFKLLSQCILVALAT PEVLS EALRGLGARHVKYGALPEHYPLVGSSLLKTLEQ LDTIHSQIESIGKTHVRLNVKKEHYPIVGACLIKAIEN  A SALSKLSELHYILRVDPVNFKLLSHCLLVTVAS PDALVP YLQRLGSGHIKFDTRPEHYPIVGNSLMKTLAH LKSALAKLSELHCKLHVDPENFKLLGNVLVIVLAS
UniRef90_P02104 UniRef90_W9BRU3 UniRef90_UPI00035F1C6F	PDALVP YLQRLGSGHIKFDTRPEHYPIVGNSLMKTLAH LKSALAKLSELHCKLHVDPENFKLLGNVLVIVLAS LQNLTP VVQRMVARHVECGVKAEHYPYVAEALLPAIRD AELLAEYLSHLGRGHRKYGTRPEHYPAVGECLIGALTR
UniRef90_UPI000382FD6C UniRef90_M2APL6 UniRef90_A0A031LVQ3 UniRef90_A5VG98	LQNLTP VVQRMVARHVECGVKAEHYPYVAEALLPAIRD AELLAEYLSHLGRGHRKYGTRPEHYPAVGECLIGALTR DPDARPDALLSRIAHKHAALGVTEDQYTIVHKYLFQAIGD RLETILPTVQALGRKHVEYEVPDSSYATVGEALIWTLGQ ENPTVLAKAIERITTKHVSLDIQADQYSIVGENLLHSISE LDVLKP AIERIAGRHVDTHIKPEHYPAVANALLPAAIRD
UniRef90_UPI000474967A UniRef90_W5MM10 UniRef90_G7GT95	PDAPDETPIVIMORIA HKHVISLGI QATEYILI VGHYLLIKAVKT
UniRef90_S9TXC2	LQALGP VVERIAQKHASFQITDAQYQIVGHHLLKTIEE

			130		140	150
UniRef90 H0R4L	5 VLG/	A D V T T	130 N V A E A	WEAVY	140 WMMAR	TLIE
UniRef90_Q3SGC	8 HLG	EDGH	P V L G A	WSEAY WGALY	AQLAD	I F I T T E E
UniRef90_E1V3U UniRef90_UPI000	8 VLGB		E V A D A	WGALY	QELAD	L L I   A L I  K
UniRef90_011000	7T2A5   I L G I	DAATD	EILQA	WTEAY	AVTAD	AFIAVERE
UniRef90_UPI000	4663FAC <u>V</u> L T  <u>I</u>	P M D H	ALISA	. WG A <u>A</u> Y	QDLAD	<u>I F I A T E K</u>
UniRef90_Q6WZ2	20 CLG	PAFTP	ATRAA	WSQLY WAVAY	GAVVQ	AMSRGWDSE
UniRef90_UPI000 UniRef90_UPI000	474CFBA  V L  G I	E A A T P	EII LIT A	WGEAY	WFILIAE	IL L I E I I Y R D Q A
UniRef90_S9RC7	2 MLGI	K D A T P	GFLEA	WAIAY WDRVY	GNLAK	
UniRef90_I4BF95 UniRef90_UPI000	V L G /	A DIVIT E	EINIA A A	WD R   <u>V   Y   Y   Y   Y   Y   Y   Y   Y   Y   </u>	WI MAP	T L I A T MI T A A E
UniRef90_K6VMS	57   V L   G I	D A V T P	SVADA	WDQLY	WDMAD	LLIKSEDD
UniRef90_J9ZAU	4 FAG	A A WT P	ELRES	WTEAY	SVASD	V MII K A A R
UniRef90_Q1R0E UniRef90 W3WS	4   V L   G I F3   V I   G I	O A WILD	E V A D A	WGALY WTKAY	WIMAN	L L L E
UniRef90_UPI000	47C30DC Y L Q /	A D WT P	E V A Q A	WLELY	TTTSQ	L ML E G A
UniRef90_A5EFK	6 GILIGI	E A WT P	EVAEA	WTAAY	GTLSG	Y MII IS E A Y
UniRef90_M4AD0 UniRef90 W5MY	S7 SII G	$P \times A \times C$	TII R H A	WI TIIV	S   V   V   V   F	GLKAVYEE AMSSGW
UniRef90_UPI000	34B10F6 <u>V T</u> G I	_ Ŕ Ď Ė Ď	PIQA	WVKĀY	ĞĖÏĀD	A F I GLENE V M K E A A A S A
UniRef90_UPI000	36DA9C1 GLG	EAFTP	EIN R BIA	JWAGAY WYAAY	GVI A G	VMKEAAASA
UniRef90_K5W0S UniRef90_UPI000		GQ		W G K A Y	GV L A Q	I L V F I Q
UniRef90_E1VSY	0 DLGI	DALT P	EIAEA	WTEVY	WL MAH	ALIKIEK
UniRef90_N2IVI4 UniRef90_UPI000	V L G I	JAAT D		WGKAY	WYLAD	I MI N R E K I M K D A A
UniRef90_B6EMC	0 <u>MF</u> S	G Q	EVLDA	WTEAY	GILAN	VFIQREEQ
UniRef90_F2P5D	9 LLSI	• GQ	E V L D A	. W A E <u>A</u> Y	GVLAN	I F N R E E E
UniRef90_R7URJ UniRef90_F7VG6				WADLF		V M K E G M V L I N
UniRef90_UPI000	4015458 V T G I	KADD	PIIQT	WGKAY	GEILAD	AFIGIEKD
UniRef90_H8Z1I5	HLG S	SEFTP	ETRSA	WILSVY	GELAE	LMMEGA
UniRef90_G2PFF UniRef90_M5E7R	5 V L G I	A DIVIT K	DIVIAEA	WDSVY	WII MAR	ALIETER L <u>L</u> INFEKD
UniRef90_UPI000	3FE0E77  V F N	GE	DIV LIT A	WSKAY	A V L A Q	II IF II IE
UniRef90_G4QHE UniRef90_Q9M63		DEYTT	TVKRA	WTAVY	KTLAD	T MI QVKAEM
UniRef90_A7RZB	2 HLRI	KEWSR	ATSKA	WEKLF	SFMAD	AMMRG
UniRef90_A0A058	BZPU3 G L G	DAFTP	E L K E A	WVGAY	TTLSG	VMIDAAYPSA
UniRef90_UPI000 UniRef90_I3SPJ6	4775DCC V L G I	JA∐IP JKRSE	P V A A A	WEEVY	WL M DELAY	A K T M
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UniRef90_V4BDN	7 <u>T</u> LGI	O K <u>W</u> T P	E L E A A	WSDLF	KHVAY	LIKRAM
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UniRef90_J2L084	V L G E	E A WS E	ELLN A	WGEAY	WFLAD	TLTEREEQ VFIKREDQ
UniRef90_UPI000 UniRef90_K9VX7:	3 Y L Q E	E D WT P	DVKLA	WTDAY	GAILITG	IL IMIL IE G
UniRef90_B0C7N	8 T L K	D Q WT P	DLEAA	. W <u>T</u> DAY	GAI TE	<u>I</u> M L  E G
UniRef90_Q0VR9 UniRef90_K0RES	2 GILIGI	JAFDS	DIEAA	WVAAY	I I L A I	T MI A A A D T M G D A G Q E
UniRef90_D9XN9	9 VLG	Ĭ Ă ŴŤ P	EVAAA	WDEVY	WLMAN	ALIA
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UniRef90_B3SGL UniRef90 UPI000	14226736 VIGI	O A IV IT P	AVAAA	WDFIVIY	WILL A C	A I K K A M R L I A A E
UniRef90_N9KY6	3 <u>V</u> L N [	SMDD	P L I D A	WAAAY	GQLAE	V F I N T E R V M V S S M D D
UniRef90_E0VN1 UniRef90_I0JWE7	3 SILIEI	K Q W D E K E W T K	ELDDA	WT HLF WLK <u>A</u> Y	KULLE F	VMVSSMDD
UniRef90_W7S8F	2 <u>V</u> LG	ĀVTP	AVETA	WDEVF	WLFAV	RLI A A E SMQEAADE
UniRef90_UPI000	36F3778 ALA	DWTP	EVERA	WAEAY	TLVAR	SMQEAADE
UniRef90_A9U5F- UniRef90_M7B32	+ GLP ! 1 HFP !	SDFTP	EVHAA	WDKFI	SKITS	TLKNEM VLTEKM
UniRef90_I3TM66	<u>V</u> LG	DAATP	PILAA	WGEAY	GLLAK	VLTEKM VFID REAA
UniRef90_UPI000 UniRef90 L8G042	349A681 <u>T</u>  L G	)	G V <u>V</u> R A	WD E VY WAAAY	WLMAG	<u>A L I A</u>
UniRef90_E6WF3	0  LL D	G E	E V L Q A	WGKAY	GIV L A E	V F    QREE
UniRef90_Q7NKA	.e ∑llGi	AWTP	FIVIKOA	WIVIDAY	GALITG	I MI TGAF
UniRef90_I1VYK1 UniRef90_UPI000	NILIGI ISF065FF FILIOI	ORFTP	E V H A A	WKI VF	D Y M M G	V L A E K Y R K M K D G Y
UniRef90_UPI000	13776242 QILIGI	EAFTP	EIVIR N A	. WII  A T Y	IVLIAE	TMKAAARDA
UniRef90_C1BX4	2 Y   L   <mark>P I</mark>	N D F T P	E I HILIS	VDKFL	Q QII  A  L	ALSEKYR
UniRef90_UPI000 UniRef90 D2Q0K	7 F   L   G /	Q TWAP	QLAAD	WAEAY	GL VAA	V L T E K Y R V M V Q A A D E S A
UniRef90_H6L2T7	7  L L  D  I	_   <b>P</b> D D A	P I L G A	WGRAY		II I I IF
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UniRef90_I0IMI4 UniRef90_P02104	FAGI HFGI	Y A WIK	E M A E A	WOKIV	NLAAS AGVAT	VMIEAA ALS <mark>H</mark> KY
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UniRef90_UPI000 UniRef90 M2APL	6 GLG	DDFTF	DVKEA	WDEVY WLLTY	TTLSG	AMLSGKSAAA
UniRef90_A0A03	ĬŢŊŎ3 ĬĹŢĹ	ZPMDS	DLTĀĀ	WKAAY	MQLÃĎ	AMLSGKSAAA ILIGVEK
UniRef90_A5VG9 UniRef90 UPI000	8    L G I	= A A T D		WGEAY	WFLAD	L I A ELY D E A
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UniRef90_G7GT9	5 <u>V</u> L G I	D A I T P	EVAAA	WDEVY	WLFAT	TLI ADEA
UniRef90_S9TXC	2 K <u>L</u> N	- GA	υ <u>v</u> ı A E	WGKAY	E E  L  A N	L L Q R E K

	1 10 20 30 40
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UniRef90_K0T1L2	MG <u>ELVP</u> ILQGLGE <u>KHA</u> K <u>W</u> KVKREHYA <u>P</u> VGAS <u>L</u> L <u>W</u> TLE <u>T</u>
UniRef90_V5N4L6 UniRef90_K8GH78	L VG GL S AL S DL H Y KL R V E P G N F K I L S H N F L V T L A L L D E L T T A V D H I A H R H V A T R I L P E Q Y P L I G E K L L Q A M K D
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UniRef90_L8F4D9 UniRef90_Q4RHD1	T AYLTEYLSHLGRGHRKYGTLPGHYPAVGECLLTALAR LKTGLFNLSELHFTLRVDPANFKLLAQCMMVVIAI
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UniRef90_UPI00044436D5 UniRef90_UPI0003F058A3	L   S G G  L L   E   L   S E   L   H F Q   L   R   V   D P A N F K   L   A Q C   L   Q V V I   A   L   L   P Q A   L   S A L   S D   L   H A K   L   R   V   D P   V   N F K   L   S H C   L   V   T   L   A A
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UniRef90_J9NVU7 UniRef90_V4PJ00	HIL Q D E F T IV E M Q A A W D K F L T G V A V V L T E K Y R A I G E R E D I A T R Q A W T E A Y G I I S S T M I D A A V P I A
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D

D D V

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UniRef90_W4I UniRef90_D6F	HNQ7 R731	V L S	PĂLTAI YSQI	ARR SQL	HAGYG H <mark>C</mark> KLN	A E P A H	IFALV IFRLLA	SHSLLVTLAAD SNVLVIVLAAD SNVLVIVLSSE SNVLVIVLSSE SAALIETVSSE SAALIETVSSE SHNILVVMAAE SCAAFILKVVAAAR SCAAFILAVLAAD SCAAFILAVLAAD SCAAFILAVLAAC SCAAGELLLAVAAAS STALMRYTLAAAS SCAAGESVLMRYTLAAAS SCAAGESVLMRYTLAAAS SCAAGESVLMRYTLAAAS SCAAGESVLMRYTLAAAS SCAAGESVLLFIVTAAAS SCAAGESVLLLSTAAAS
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UniRef90_P04251 UniRef90_UPI0003D0F472	HR <u>TF L</u>  AFPST
UniRef90_G3AFJ3 UniRef90_G3AFI8	S F D S Q D T L T G M A R V I K S N S T G I A T Q F Y A N I I A R D R E M S T A K M I K A Q S S A I A T Q F Y A N L L S H E P A L A L T Y K Q S V L V R G S I P A L R E H G E T I T S L F Y A N M L R A H P E L
UniRef90_C9SYC2 UniRef90_P09106	ALSAEDRALVRALWKKLGSNVGVYATEALERTFLAFPAT
UniRef90_G3AFJ0 UniRef90_P84206 UniRef90_UPI00032A1881	T D G E R T A L L T L WK K I NVE E I G A Q A M G R L L I V Y P W T
UniRef90_UPI00032A1881 UniRef90_V5YNF8 UniRef90_UPI0001925919	S L T E K D K A A V K A L WA K V S K V M D T V G G E A L G R M L L V Y P Q T E A G L I R G S W Q H I K G R E V D L L Y V I F K E N P D I P L S H S D L Y A L Q G T W L K V K A R W F E I C T L A F E R W L V A D P E I
UniRef90_I7FWV3 UniRef90_K2K1I7	DSDPLIRDFYTNWFAADLSV KQLSLVRNDFRRLAPVRPEMFKRFYERLFELAPHT DLVLSSWDLVRQRTEELGEKFWKYLNCMSPEQ
UniRef90_L1IS81 UniRef90_D5ZCA0	DLVLSSWDIVRQRTEELGEKFWKYLN <mark>C</mark> MSPEQ EDRDALRVLQNAFKLDDPELVRRFYAHWFALDASV
UniRef90_A0A022T2H4 UniRef90_G3AFI9	FTEDELKRVQTTWDLLNSTPLETALALLVRSMELFSEF FCQQLYKNLLDRDHAL
UniRef90_P20246 UniRef90_Y4ZN25	SILIT DE ELIRIL I QHI WSNV NV VEI IT AKALERVEYVYPWT
UniRef90_D3DIC1 UniRef90_Q59QJ0	MSPEARLNI IKSI PFLQSYGERLTSRMYEI LFEGNPEL
UniRef90_A3LXI9 UniRef90_X5KW91	LTTSEISLIRYTWNKMGAYPVEF <mark>C</mark> RQFYDNLLMSKPDL EDRDALQTLRDAVDLDSDALLRDFYTHWFATDLSA
UniRef90_UPI00042BFA97 UniRef90_S6CDG1 UniRef90_C1E9M4	A D K P N V K P V W S K L Q G H L E D Y G S E T L E R M F Q V F P Q T P L T A E E Y A Y V S G A W N K V K H S E V D L T E R K R L V I Q S S W A A L S A H G N D T G S K L F R K L F T G D T A V
UniRef90_C1E9M4 UniRef90_Q6F3D1 UniRef90_D7B7Z3	LTAEERKOVGALIGGVV NVDALIGGOCLARL MCVYP VS PAVIEAVRQSCSAL PPGSTRLADRFYQNL FEMAPAV
UniRef90_V5YMJ3 UniRef90_O13077	PLASE ALEV QTAWNAVKDNQAD MLYAVEKDYPEL TDSERALINSIFSNL DYEELGRKSLCRCLIVYPWT
UniRef90_G9KDA6 UniRef90_F2UFM8	LD ME QLK LALGS WT AV VEL VPT WHEVF FAELF QAHPET
UniRef90_P14393 UniRef90_A0EZW4	ALSAADAGII TAOSWAPVEANSDANGASEI VAI ETOEPES
UniRef90_UPI0004274F05 UniRef90_V5YMD9	T D F E R A TI Q NIL F S K M D Y E L V G P A A L S R C L V V Y P W T  M T N E QVE I V K R T L V R I F P P R P E F G E V F F A R L F E T A P E M  D Q A A L V S N A W N S V K H Q E V E I L A V F A A H P D I
UniRef90_W9DEZ3 UniRef90_E5SN75	A <u>V</u> N R Q <u>P</u> D R <u>F V</u> T N V Y T R <u>M</u> F A <u>I</u> L D P D <u>L</u> L T S <u>H Q R S </u> L L F K S W R D <u>D</u> F T S <u>L</u> Y E <u>L G T</u> D I <u>Y S</u> E <u>I</u> F R N E P D A
UniRef90_F1R021 UniRef90_J0XMW3	GDILIT T S O N S AIL IR RIL IWK O M K R N K S EIL IA S RIL L L IRIL IE AIL IN P RIL I
UniRef90_UPI00035965FA UniRef90_UPI0003AF8497	SLSAAEADLLSKSWAPVFANKDANGDNFLVALFEKFPDS SLSEKDKNIVQTFWAKVAGREEDIGCDAVSRLLTVYPQT
UniRef90_V9LJ75 UniRef90_S7PPE2	LSPADKTNVKAAWDKVGAHAGDYGAEALERMFLSFPTT
UniRef90_UPI0001925904 UniRef90_F6KMG8	PLSGKEIETLKKSWTTÄKQFWNEICTCAFSRWFSTYPEI TDKERATIQDLFSKI DYDAVGQATLCRCLIVYPWT GLTKAQIAAIQNNWARISNNLQDFGDTLFMRYLTIYPGD
UniRef90_R7U3L1 UniRef90_Q9Y0D5 UniRef90_T0C731	GLTKAQLAAIQNNWARISNNLQDFGDTLFMRYLTLYPGD TEGERAAVRASWAVLMKDYEHAGVQILDKFFKANPAA DKHQITESFRRIEPNLNNFTNAFFDNVILLEPGM
UniRef90_F2QYV1 UniRef90_B0W547	LSSRETE MV QNSWADI GVNGENLATQFYNNLITHIPGVGLTGKQKLTLLSAWGLIKQDLDLHGRNIMLLIFREHPHF
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UniRef90_E3I835	PNQLAALREFFSNIESDLPEI VSLMYERFFEAVPEA

UniRef90 P83625	50 60 70 80 QRYFGKFGNLYEA    TGNPM   SKHGT <u>T</u>    <u>L</u>  HGL DRA V KNMDD
UniRef90 W5LAT8	QRHFAAFGNILISSAII IQGNAKIVIAHHGKIVVIMGGILIERAII IKNMDN
UniRef90_P02206	K D <u>L</u> F P <u>K</u> F K E P <u>V Q</u> Q <u>L</u> G N N E D <u>L</u> R K <mark>H</mark> G <u>V</u> T <u>V L</u> R A L <u>G N L L</u> K Q
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UniRef90_V5YM35 UniRef90_Q25215	QAKFPQFAGKDESVKDTAAFATHATRI VISFII SEIV VIALIAGN
UniRef90_I2JL97	KRHII IN SQADYKG RKIL VIAIL LIG I AIVI <mark>H</mark> SILID N
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UniRef90_A1UA39	RDL FP PDMARQRTAFAEAMTWLFGELLA
UniRef90_W0TDX0	EKLYPS LKHQA <u>TA</u> F <u>A</u> GVLTMAINNLED
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UniRef90_K7FYS7	
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UniRef90_P09106	KTYESHII DII ISPGSAQIVIRAH GQKIVIADAII ISII IAIVIERII IDD
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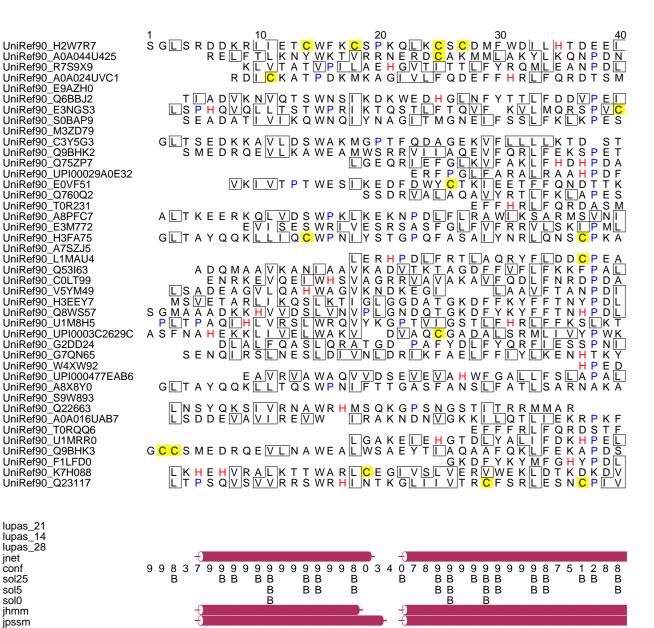
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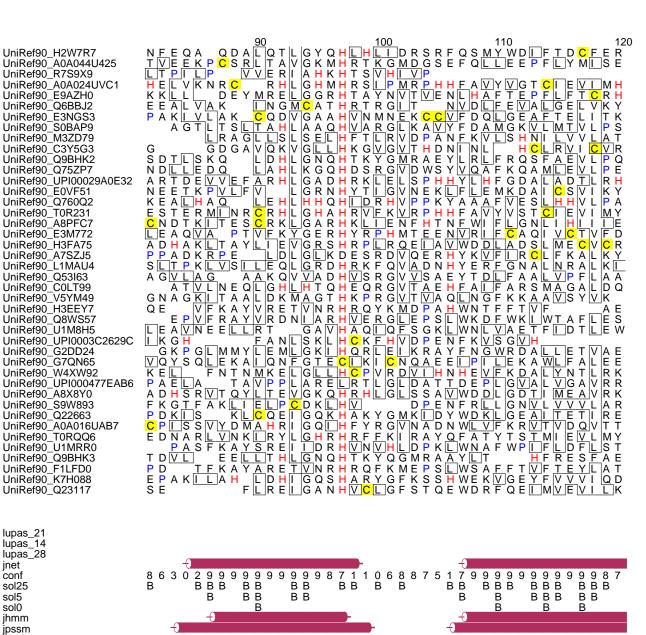


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