	1 H Q Q L L Y R A L L V S A G Q W L A A D H L L K A P F R A L L Y S A G Q W L A A D H L L K A P F R A L L Y S A G Q W L A A D A L L K A P F R A L L Y S A G Q W L A A D A L L K A P F R A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A B A L L Y S A G Q W L A A D A L L K A D A L L Y S T D W L A A A A H L L K A D P F K T L L Y S T T D W L A A A A H L L G A A C T T T C T T T C T T T C T T T C T T T C T T T C T T T C T T T T C T	3040
QUERY UniRef90_H0ZK98	Q Q L L Y R A L V S T K W L A E S V R A G F	K V G P G L R V L D A S W Y S P G T Q A G L R L V D A S W Y L P K K
UniRef90_F6W6L0 UniRef90_M3ZFY9	L F R A L V S A K W V A E A L K T S C M A A D P T P A V V S G Q W L A D A I Q N K [Q
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UniRef90_G3NZ80	T R A L V S A Q WL A D A L C S N L	V G P K L R V L D S S W Y L P K K
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UniRef90_UPI00037AF68F UniRef90_A9W5V6	MAEPHYSFFVSTAWLADNLTA MTTSPFVTVEWLHQRLNA	PDL VVIDGTFFMPDG PDVVVLDASWYLPAQ
UniRef90_W8S4C4 UniRef90_UPI00035E03BE	P K T L V S T E W L A A H L D L L A A H L G C C C C C C C C C	D P D L R I L D A S Y Y L P E G D P D V A I I D G S WY L P E G
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UniRef90_A7HXG3 UniRef90_A3JRR0	T S P L V T T E W L E E H L D A M P H S D P K T L V S T O W L A D H F K	PDVRVVDASWYLPQQ DPDLRVLDGSWHIPTD
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UniRef90_UPI00030E83FA UniRef90_K5XTQ3	SPLLR PAELLA ALGQ	P DILIAII LID A T Y FILIP E G
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UniRef90_W0PA71 UniRef90_UPI00030E83FA UniRef90_K5XTQ3	S Q G L Q L Y N D G H I P G A R H V D L D Q V L S I P D Q G R H P L P A R E H F G L G L A E Y L Q D H I P G A L Y F D L E Q D L S A P H G G R H P L P A A D A L Q D G A A N F R Q A H L P G A R F F D I D A V A D H A S G L P H M L P T P E A F
UniRef90_V9ZGH7 UniRef90_B4EN25 UniRef90_F5L5V1	R D M A A E Y R A G H V P N A L F F D I E A L S D H T S P L P H M M P R A E A F G A G F A A Y A A G H L P G A Q Y L H L D R D L S T G T N G R H P L P T R D A L
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UniRef90_E0Y153 UniRef90_L8J9Z8 UniRef90_L0I9V1	SYGARWYQENHIPGAHFADLERDLSAPVTGRHPLPDPAEL RDSFNEFKSRHIPNAQFFDIDVISDTNSPLPHMLPSPSSF RDPVQEWHEKRIPGARFFDFDKLAAPDTELPHMLPSAELF DSDYTPYEEGHIPGATFFDWDE DLSDPVQRDLLGKEAF

QUERY	90 A D Y V G S L G I S N D T H V V V Y N G D D L G S F Y A P R V WWM F R V F G	120 H
UniRef90_H0ZK98 UniRef90_F6W6L0 UniRef90_M3ZFY9 UniRef90_H8FQL6	A E Y V G K L G V G N D S H V V V Y D G S D Q G L F S A P R V WWM F R V F G A E Y V G K L G V S N S T H V V V Y D A S D Q G L F S A P R V WWM F R V F G S R Y V S D L G I G N D T H V V V Y D T S D F G S Y T A P R L WWT F R V F G S S K V R K L G L G N G N R L V V Y D S N N Y A A S A R V WWM F R T F G	H H H
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UniRef90_U2YM20 UniRef90_UPI00033194FB UniRef90_G3NZ80 UniRef90_UPI00037CDEBE	V	H
UniRef90_A3K561 UniRef90_A0A037ZN59 UniRef90_D5VJH0	A S R V K K L G L G D G S R I V V Y D S I G I L P A A R A WWH F R A M G	K K
UniRef90_C8S4F0 UniRef90_UPI0003B40F68 UniRef90_A5EPT2	USRMRALIGII GDGHQVVI YDGSGII FSA PRVWWI FRLIMG LSRMRAMGII GDGHQVVV YDSTGLFSA A RVWWT FRLIMG GRDAARLIGVSNGDII VVV YDA GGWVA A PRA WWMFLISFG	K K H
UniRef90_G8PKN9 UniRef90_Q2W7S2 UniRef90_UPI0004263F8D UniRef90_S9RGS5	SSKVRKLIGLIGNGNKII VI IYDGS GFASAAARAWWMFRTFG MSRMRAMGVIGDGHQVVV YDTGGLIFSAARVWWLIFRLIMG MSRSRAI GVGDGHQVVV YDGAGIIFSAARVWWII YRII MG	H Q K
UniRef90_E6VKW5 UniRef90_UPI00037AF68F UniRef90_A9W5V6	EGKMAALGIAEDMQIIV YDQQGLLGAARVWWTLRIFG SSKMRALGVGDGAQVVV YDGMGLESAPRVRWMLQTEG	M
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UniRef90_B3PXP4 UniRef90_D4I8G3 UniRef90_UPI00031E453D	A D Y V G N L G I E S D T H V V L Y D T N Q L G A F S A P R V W W M F R V F G A T E V G R L G I S E N N R I V V Y D T N Q L G A F S A P R V W W M F R V F G A A A M R E L G I S S A K H L V V Y D G N L F S A P R A W W M L R Y F G A D A V G A L G I G D G M R I V V Y D G A G L L A A A R V W W M F R A F G T A A L S K V G I N R D S I V V A Y D D Q G G A Y A S R L W W M L K Y L G S S R V R A M G L G D G N R I V V Y D G A G L F S A A R V W M M F R V M G S S R V R A M G L G D G N R I V V Y D G A G L F S A A R V W M M F R V M G	Α
UniRef90_W4C1K9 UniRef90_A7HXG3 UniRef90_A3JRR0 UniRef90_A3WY54	A R DIVIG A LIGII IS S K D K V V V Y D S G G WL A G P R V W W M F L IS F G	H H H
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UniRef90_D3PL61 UniRef90_UPl000375662A UniRef90_A3SLZ4 UniRef90_T0KHU3	A D A V G K L G I G D G A T I V A Y D G A G L F A A A R V W W I F R A F G M S R V A R C W W L F R L M G L F A A A R V W W L F R L M G L F A A A R C W W M I F R L M G L F A A A R C W W M I F R L M G L F A A A R C W W M I F R L M G L F A A A R C W W M I F R L M G L F A A A R C W W M I F R L M G L F A A A R C W W M I F R L M G L F A A A R C W W M I F R L M G L F A A A R C W W M I F R L M G L F A A A R V W W I F R A F G L F A A A R V W W I F R A A A R V W W I F R A A A R V W W I F R A A A R V W W I F R A A A R V W W I F R A A A R V W W I F R A	V H V
UniRef90_UPI0003FBB6C8 UniRef90_A4TNL1 UniRef90_A9D5T7	A A A V G A L G I R D G A I I V V Y D S V G L F S A P R V W W S F R I M G S E M A G E I G I S E N D T I V V Y D G P G M E T A P R V W W V I R T F G	A A
UniRef90_UPI0003693BB5 UniRef90_C5D2I6 UniRef90_G8MCA9 UniRef90_UPI00046A0682	VIA KILASEGI NEGOOV VA Y DAHGGMYAARI WWI IR WIG	H V
UniRef90_A0A024Q629 UniRef90_V7FRX7 UniRef90_UPI0003467581 UniRef90_UPI0003B6AD78	A A K I S NIL GI D H D T T V V V Y D K E N D M F A A R F WWL L H Y M G A Q Y V G A M G I S A D T I V V Y D G G N F S A P R A WWM P A G G N F S A P R A W W M P A G G N F S A P R A WWM P A G G N F S A P R A W W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S A P R A W M P A G G N F S	V
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UniRef90_L0MG16 UniRef90_UPI0001D2EF11 UniRef90_G2DY17 UniRef90_V4K864	SSAIVR KLIGF GD G M R A IV V Y D S IV GIL IF S A P R IL WWTL L Q IV F G A D WL G Q C G V T S D T R IV V V Y D D K G IT F A G R IL WW L L G WL G A A G C S A II G IL F N K D G V V V Y D A K G IT F S A A R IV WW M F R IV F G	A H H
UniRef90_R9NU14 UniRef90_I0HYJ9 UniRef90_F2IXB8 UniRef90_A3WDM5	AVA MRQLIGII N S D R H L V V Y D E G N L E S A P R A WWM L R Q S G V A T L S A W G I D D T V Q V V V Y D S I G C F S A P R A W W M E K V M G I S S R M R K I G I G D G O T I V V Y D S I G C F S A P R A W W M F K V M G I	T H V
UniRef90_A0A059E7X1 UniRef90_A0A017HVE7 UniRef90_V4BFJ4	S S R V R K L G I G D G N R I I V Y D Q F K F F A S A R V W W M L R V M G A A W M A R E G I G P G T Q V V V Y D S L G V F S A P R A W W T F R M G F F Y V G N L G I N N N T H V I V Y D N N A K F G F S A Q R V W W T F R V F G	H
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UniRef90_Q9I452 UniRef90_E0Y153 UniRef90_L8J9Z8 UniRef90_L0I9V1	ALKLQAWGLRQDSQVVL YDDGPGAFAARAWWLLHWLGNDHVENLGISNN LKIIYDTEGLFSAARAWWMFKIMGSREVSELGIKEQDTVVV YDSQGMFSAPRVWWMFRTMGEDLNAQAGITEDSTVVIYGGGRVPNWFALFAYWEYKYYG	H

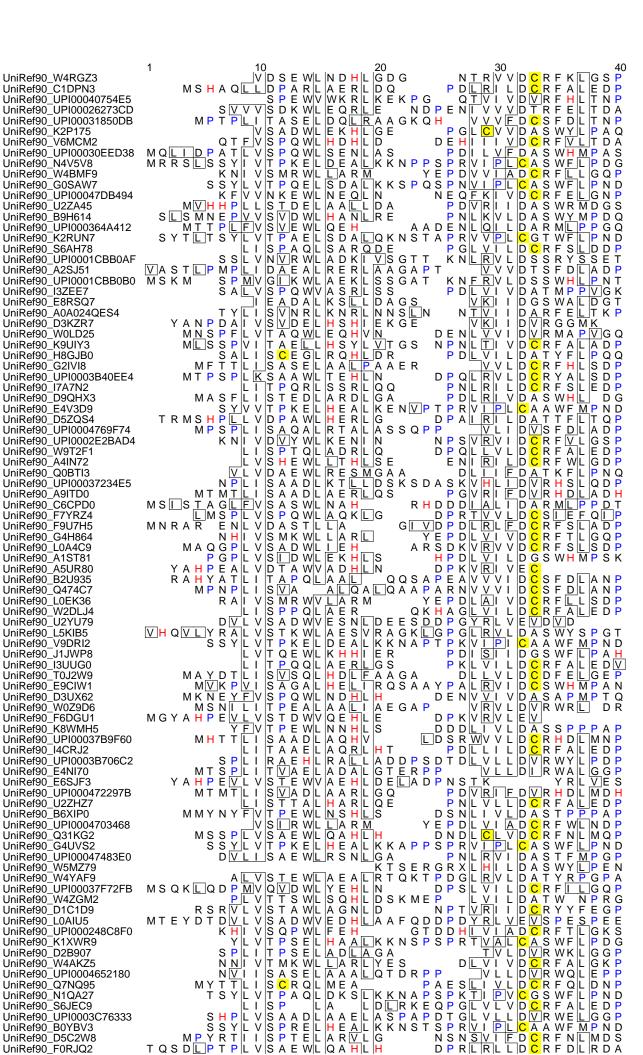
QUERY	130 R T V S V L N G G F R N W L K E G H P V T S E P S R P E P A L F K A T L N R S L	
UniRef90_H0ZK98 UniRef90_F6W6L0 UniRef90_M3ZFY9 UniRef90_H8FQL6	E A V S L L D G G L K N W Q R E G N A L S S G K T Q V A P S E F H A S L D K S L	
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UniRef90_C8S4F0 UniRef90_UPI0003B40F68 UniRef90_A5EPT2 UniRef90_G8PKN9	LD V A V L D G G L P K W R A E G R E I E D M P P M V R D R H I T V Q R Q A T L T D V A V L D G G L P K W L A E G R E V E D M P P V V R D R H I T V Q R Q S G L A D V R V L D G G L K K W L A E G R P I D S G Q V T P T L G T Y N A R F D A A R E S V F V L D G G L P A W K E E G Y P L T D E V P T R L E R H F T A M L N H D M	
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UniRef90_UPI000366D4FE UniRef90_C1A3S1 UniRef90_D3PL61 UniRef90_UPI000375662A	REVKILEGGMPAWVAAGYPTEDGEGPRDRRHFTARLNNGATDVAVLDGGLPKWQAEGRPIEDMAPIIRDRHFTARLNNGATDVAVLDGGLPKWQAEGRPIEDMAPIIRDRHFTARLNNGAEDVRILEGGFPQWLADGRPVESGEAKPEPKVFHPHFDAEAEDVYILDGGMRKWKAEDRPLEDLPVKRPERHFTARLDTSASTVSVLNGGLRNWELEGGRPVTNQNFKPTATDFKASLNRSWKNVFVLDGGLDGWKAEGRPLETTTTPAYMPTTFKPNFDASRDRVSILAGGLAGWQQAQLPLVSGAVDVAEAEFVVGPGWGEQDVKILDGGGFPKWLAERRPVDAEAPAVPPRRSFTARAPQQVERUPSQYEADVQKKMDDVVVLDGGGFPKWLAERRPVDAEAPAVPPRRSFTARAPQQVERUPSQYEADVQKKMDDVVVLDGGGLKKWKAEGRPTDDMKPRASARHFAAARRNTGLENVAVLDGGGLKKWKAEGRPTDDTMKPRASARHFAAARRNTGLENVAVLDGGGLKKWRAEGRQVESGEASPKPGHFTATFDPLNDSVYIMDDGGLSNWLKAGYEVNAEDPRSEREFKPALRENEKDVYVLDGGGLDGWKAEGRALETETASPAPALFTPKFRADKFRADKFRADKFRADKFRADKFRADKWKAEGRPVSDAAVEYAPTTFKPHPQPEMKFDAVAVLDGGGLDGWKAEGRALETETASPAPALFTPKFRADKFRADKFRADKFRADKWKAEGRPVSDAAVEYAPTTFKPHPQPEMKKDVYVLDGGGLDGWKAEGRPLESGASTRAPTTFKPHPQPEMKKDVYVLDGGGLPKWKAEGRPLESGASTFRAPTTFKPHPQPEMKKDVYVLDGGGLPKWKAEGRPTQAGSLFPPPGNAAARRQQPGAAHDVVLLDGGGLPKWKAEGRPTQAGSLFPPPGNAAARRQQPGAAHDVVLLDGGGLPKWKAEGRPTQAGSLFPPPGNAAARRARFDPTPA	
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UniRef90_C0LIR5 UniRef90_A0A024K884 UniRef90_UPI000381476F UniRef90_W0PA71	P G V A L L D G G Y P K WT R E K R P V S A D V P A P H K A A C A C P E P S Q N Q V Y I L D G G Y P K WT R E K R P V S A D V P A P H K A A C A C P E P S Q N Q V Y I L D G G F D A W K A G R P V S K E V L K K K K K F F I P Y V R S D E H D V A I L D G G L A K W Q A E G R E T A S G K E Q L R H R H F T V W A D D K G E Q I T I L N G G L P A W L A A G F S T T T A P E T P A R G N F V A N Y Q A D L D K V W V L D G G L P R W R A S G Y D V E S Q G Q M V G P S T F Q T K F Q P H L R D V R I L E G G G A K W R A E G R P L E S G E P K I E P R V F T P H F R P E N T R V Q V L D G G L P R W R D D G L P T V S G P S E S E T A A F C A E V S A D A A N V S V L D G G F K L W Q Q G G Y P V T T E P P Q P A K E G F S L R D S L T Q P R A A V L N G G Y A A W R K A G G I T F T G G C P A L A G O L P A F R P O M	
UniRef90_UPI00030E83FA UniRef90_K5XTQ3 UniRef90_V9ZGH7 UniRef90_B4EN25	PRAAVLNGGYAAWRKAGLPVTSEVEKRTRRTFVPDVQSHM DNVQVLDGGLPGWIAAGGITETGPGPALAGQFIPAFRPQM EKVSILAGGLEGWRRDELPLEQGMPEVAEGEFDVRFDPQQ DSVAVLDGGLQAWEAAGQPLTTDVPQPAAGDFRAATPLES	
UniRef90_F5L5V1 UniRef90_G5ZY60 UniRef90_UPI000369DACA	LPVAVLDGGLRAWREAGGALTSNVPALSAGNFTATAPAEA	
UniRef90_Q9I452 UniRef90_E0Y153 UniRef90_L8J9Z8 UniRef90_L0I9V1	RDGVYLDGGLAAWKAAGLALTNGESSLRPGDFQGQPDASL IEVFILDGGLPKWISENKPISDNHQK AKRGSFLSTF HDVAVLDGGFPAWQKAGLELETGAPEPPMTEYKASFCPNW DDVRVIDGGKPYWVANDYPLTTDVPEFSPQAYTASGPFED	

		17 <u>0</u> 180 190	200
QUERY UniRef90 H0Z	′K98	L K T Y E S K R F Q L V D S R A Q G R Y L G T Q P E P D A W D S R H F Q L D A A A G R F G V D A A A G F R G V D A	G L D
UniRef90_F6W	V6L0	V K T Y E D K E N D S R Q F Q V V D A R A A G R F K G E P E P R E G	I <u>E</u>
UniRef90_M3Z UniRef90_H8F		V K S Y E D V L Q N I K T K Q V Q V V D S R S A G R F R G T E P E P R E L R D Y D H V L A N V E S H H E Q L I D A R P A P R F R G E [P E P R P	D I L C P L
UniRef90_H0V UniRef90_UPI		V K	I E L R
UniRef90_V4R		<u> V R D L </u> Q A <u>M K E I A A N G</u> G A Q I I D A R S A <u>G</u> R F A G E E P E P R P G	L R
UniRef90_U2Y UniRef90_UPI		AVDAT EVARAVKLGT	L R I E
UniRef90_G3N	NZ80	V K	T L P
UniRef90_UPI0 UniRef90_A3K		V R D V T E V A R A S K L G T H E I I D A R A A A R F R G E A A E P R P G V R D V T Q V S A A A K L K D H E I V D A R G P A R F R G E A A E P R A G	L R L R
UniRef90_A0A UniRef90_D5V		<u>I</u> KDVTQVAAASKLGDYEI LDARAAERFRGD <u>V</u> PEPRPG <u>Y</u> RSLEQ <u>M</u> RD <u>VVAS</u> GREQI I DARAAGRFEGRDPEPREG	L R L R
UniRef90_C8S	S4F0	I K D V T Q V A	L R
UniRef90_UPI0 UniRef90_A5E		V K D V T Q V A S A S K L A Q V E I I D A R A A P R F K G E V A E P R A G V R R I E Q M V A N L A E R A E Q V I D A R P A P R F A G A V A E P R P G	L R L R
UniRef90_G8F UniRef90_Q2V		VRNLDEVQDALDSSSHLVLDARAPERFKGLAPEPREG VRDLDHMKANLESKRELVIDARAPARFKGEAAEPRPT	VR KH
UniRef90_UPI	0004263F8D	V K D V T Q V A A A S K L G D Y E T L D A R S P G R F S G Q E E E P R E G	L R
UniRef90_S9R UniRef90_E6V		IV IP S P D OIL V IA NIL ID H P A E OIV L ID A P A A P P E E C S IV IA E P P P C	L R L R
UniRef90_UPI0 UniRef90_A9W		V A D A Q K V L A A S K N G S P Q I V D A R Q A A R F R G E T V E P R P G V A D A G D I A R A L A G G T T Q V V D A R S G P R F R G E E A E P R P G	V R V R
UniRef90_W89	S4C4	VKDVTQVAAASKLGDWQI VDARSEGRFRGTEPEVREG	L R
UniRef90_UPI0 UniRef90_E2C		V A D A Q K V L A A S K N G S P Q I V D A R Q A A R F R G E T V E P R P G V A D A G D I A R A L A G G T T Q V V D A R S G P R F R G E E A E P R P G V K D V T Q V A A A S K L G D W Q I V D A R S E G R F R G T E P E V R E G V R S I D E V R E I V A T G S A T V V D A R S G E R F R G E A P E P R P G L A D I N D V L K V V E N G S A Q I L D A R P A G R F T G E D P E P R E G	L R M R
UniRef90_H2R UniRef90_B3P	RVI7	I KNYEDI LONLOTKRFQV VOARPEGRFRGLOPEPRO V VTLOAMRDI VSSGAMQI ADARSAGRFAAT <u>E</u> PEPRAG	N T E M R
UniRef90_D4I8	8G3	K	LN
UniRef90_UPI0 UniRef90_W40		A DV A GVRAALT D R S A QI V D A R S P E R F R G E A P E P R P G L A S M E D V Q N V V N A G G A L L I D S R E S R R Y E G L E P L	D P K
UniRef90_A7H UniRef90_A3J	IXG3	L A S M E D V Q N V V N A G G A L L I D S R E S R R Y E G L E P I I R D R A A M L Q N I D T C N E Q V L D A R S A G R F N A T E P E P R Q G V K D V T E V A A A S K L C T S Q I L D A R P R G R F L G S T P E P R A G	LR
UniRef90_A3V	VY54	V <mark>R </mark> D K A Q L V S N L S S H R E <u> Q </u> L V D A R A A G R F T G A <u> V </u> A E P R Q <u> G </u>	LR
UniRef90_Q65 UniRef90_UPI		V	MR
UniRef90_C1A UniRef90_D3P	\3S1	WRDISSMRANVESHAEQVVDARSPGRFSAEEAEPRAG VVDANFVAHRP AGTVLIDSRAPERYRGEVEPLDPV	V R
UniRef90_UPI	000375662A	A K S G D Q V A F G D A G R F Q V V D A R P A P R F R G F A P F P R P G	VAL
UniRef90_A3S UniRef90_T0K		VRDVTQVAQASKLGDHTI LDARSAERFRGDAPEPREG VRSKADI LANLDSGAEQLIDARGKGRFTGEEKEPRPG	LR MAS
UniRef90_UPI0 UniRef90_A4T		IVIRNEDEIVIKAAII IG GPAQII VIDARSPGRESGREPEPRAG	L R L R
UniRef90_A9D	05T7	V A	MR
UniRef90_UPI0 UniRef90_C5D			V R D R I
UniRef90_G8N UniRef90_UPI		T	G L H
UniRef90_A0A	024Q629	KIVINII IETIVIK QKILIT NENTII VIIDSRAKERYILIGKTE PM	Y A K
UniRef90_V7F UniRef90_UPI		VASLADMRRI VETGESQI ADARSPGRFAGTEPEPRPG VRRVTDVL <u>LISH</u> EGTAQI VDARAANRFNGEVDEPRPG	I R S L H
UniRef90_UPI0 UniRef90_J3D	H09	<u>L R S K A Q V L D N L S S H A E Q L V D A R G A G R F T G D V K E T N P A T I D A E G V L D N L D S K A M T V V D A R A A D R Y R G E N E T L D A V</u>	L_A]G
UniRef90_Q11	IIF3	V V P F E E M R R I V E R E E A QI A D A R S A G R F A G T E P E P R I G V R T K A D M L A N L H S K A E Q V V D A R P T A R F T G A E A D P R P G V R S L E D V R K N V E A R A E Q V I D A R S R E R Y E G T A P E P W P G T V D A Q T V E R N L G S K E R V V V D A R A A D R Y R G E N E T L D R V	L R
UniRef90_W9E UniRef90_D6V	/8X0	VRSLEDVRKNVEARAEQVIDARSRERYEGTAPE <u>P</u> WPG	R R
UniRef90_B2T UniRef90_UPI	⁻ 9H7 00034839BA	T	G G
UniRef90_L0M UniRef90_UPI	1010		11 11 1
UniRef90_G2D	OY17	WITSDALVAALAAETVRLIDARAPERFSGEVETTDSV	
UniRef90_V4K UniRef90_R9N	(864 NU14	VADAEDVKKALAVGSAQVVDVRAASERFRGLAPEPRPG VADAEDVKKALAVGSAQVVDVRASERFRGLAPEPRPG WITSDALVAALAAETVRIIDARAPERFSGEVETTDSV VWTLDQVKNNMEDQTFQHIDARSKARFDGTAPEPRKG TVNVTDVLLISHEGSTQLVDARAANRFRGEVDEPRPG QATTDEIVQRLHEPSLRLLDARSPDRYRGENETIDPA VADLAAMREVADGNCQVVDARAADRVFGSGEDPVHG	I R L R
UniRef90_I0H\UniRef90_F2IX	YJ9 XB8	QATTDEL VQRLHEPSLRLLDARSPDRYRĞENETLDPA WADLAAMRRI VADGNOOV VDARPAGREAGTDPEPPG	LR
UniRef90_A3W	VDM5	VATRGEMITANLETGAEQVIDARAADRVFGSGIDPVHG VKDANQVLAASEAGSHTIIDSRSPERFSGDAPEPREG	
UniRef90_A0A UniRef90_A0A	NUSSE/X1 NO17HVE7	V	L P L A
UniRef90_V4B UniRef90_H8G	BFJ4 GJQ1	VISLQQVETNIKEKKFQLVDARPNGRFEG VSPEPRA WITAAHVONGIASRSII <mark>C</mark> IIDARTPERVRGEAEPIDDV	D∐K A
UniRef90_UPI	00036D9198	VRTADQVEAGATULDSRPAGREG APEPROVISIQQVETNI KEKKFQL VDARPNGRFEG VSPEPRAWLTAAHVQNGLASRSICLI DARTPERYRGEAEPIDPVIRALADVRRL VDAPTEQL VDARGTPRFSGAEGDPRPGVTADEI LRASQTGEQLI LDARPDRRFSGEYEPLDPV	V A P
UniRef90_Q3S UniRef90_UPI	0004253C56	V VI A DEIL ERAS QI GEQLI L'DARPDRRES GEYEPLDPV I VN MERLRONI TSKKATLI DSRGYDRYLGKTE PM VRTLEQMKANVES GAEQV LDARS VARET GEEADPRPA	YKK
UniRef90_UPI0 UniRef90_UPI0	00026CB0AA 0003B53F41		T H LR
UniRef90_C0L	IR5	F C D A E T V L M A L Q D N S S K V L D A R G A G R F S G Q E A E P R E G V W S L D Q V K R N I Q D Q T Y Q H I D A R S K A R F D G V A P E P R K G	I N
UniRef90_A0A UniRef90_UPI	000381476F	VRSIAQMRDNLETRARKVLDARPAGRFAGTEPEPRAG VASLDDVRLALSNK_AQVVDARGALRFNGAAPEPRAG	IV IR
UniRef90_W0F UniRef90_UPI	PA71	TVEYDEVLANISAAERLVLDARSPDRFRGENETLDPI LVTAAEVA SRSERTALLDSRAGERYRGELETLDP	G K
UniRef90_K5X	(TQ3	V R	MR
UniRef90_V9Z UniRef90_B4E	N25	I KRLT DV L L V <mark>S H</mark> E G S A Q I V D A R P A A R F N G Q A D E P R P G T V D A A A V L A N V S S A A R V V I D A R A P D R Y R G E N E T I D R V	G
UniRef90_F5L9UniRef90_G5Z	ZY60	<u> A S </u> D E <u> V K Q K <mark>L H D P Q V </mark>M </u>	D R V
UniRef90_UPI	000369DACA	V A S I	V R
UniRef90_Q9I4 UniRef90_E0Y	45∠ ′153	L I D A A T L Q A Q L G Q P G L A L L D A R A Q P R F R G E V E P I D P V E P S S I V D V S Q I S E T K A Q I I D A R H P K R F S G E A P E Q R V	N L R
UniRef90_L8J9 UniRef90_L0I9	9Z8 9V1	EPSSIVDVSQISETKAQIIDARHPKRFSGEAPEQR V VIDADELNARLGDVDTVVLDARSAERFYGTAPEPRPG IRAYRDDVEQAVDTGVPLVDVRSPEEFTGEVEGLQET	VR A O R
ZINI KUIZU_LUIS	/ V I	H K K I K D D L L A K IV ID I O L I I L V ID IV IK O F L L F I G L L L L G L L L L G L L L L G L L L L G L L L L G L L L L G L L L L G L L L L G L L L L G L L L L G L L L L G L L L L G L L L G L L L L L G L L L L L G L L L L L G L L L L L G L L L L L L L L G L	17 W 11

		210)		220		230	240
QUERY	SGHIF	RGSŲN∭	FMDF	LTEN	GFEKS	PEEL	RAMFE	A K K V D L T E K K W D L L E K K M D L S E S A V D L E A A G I D L K Q K K V D L S A G L D L A
UniRef90_H0ZK98 UniRef90_F6W6L0	PGHVF	GTVNI	F T D F [MTEE	GLEKI	PDDI	QRLFK	E K K W D L S
UniRef90_M3ZFY9	PGHF	ETINI	FTSF	LDSS	GKHHS	PENL	TKLFQ	ESAVDLE
UniRef90_H8FQL6 UniRef90 H0VBR7	Q G H I F	GAVNI	SAEL		H L L P	PEFIL	RARFD	A A GII DIL K O K K V DII S
UniRef90_UPI000469	8642 A G H I	KSRNV	FASL	LNDG	QTMKT	KĀĒC	KAVFQ	ÄÄGLDLÄ
UniRef90_V4RAZ2 UniRef90_U2YM20	A G H I F S G H V F							G A G V D P A G A G V D L D
UniRef90_UPI000331		GTVNM	FTDF	MTEE	GT MR D GLEKS GKELR	PEDI	RRLFQ	D K K V D L N
UniRef90_G3NZ80	G H I	GALNM	FISE	LDAS	GKELR	AEGL	SKLFR	E A G V D L G
UniRef90_UPI00037C UniRef90_A3K561	DEBE SGHIF	G A R N V F G S K N V	YATL	LTSE	GTLKD	PDAL	RAVFE RAVFE	A A G L D L S A A G V D L S
UniRef90_A0A037ZN	59 A G H 📙 F	NARNI	FGTL	LNDD	GT MKP GT LKD GT MKS GT MLP GT LKS	PDDL	RAVIE	TAGTDLS
UniRef90_D5VJH0 UniRef90_C8S4F0		G A R N I G S K N L		VNPD	GTLKS	PPEL	RTVFE RALFE	A A G V D I N A A G V D L H
UniRef90_UPI0003B4	0F68 SGHIF	וועו א כ. עו	-	1 110 11 10	(PPAIII	KAAFF	TAGVDIS
UniRef90_A5EPT2 UniRef90_G8PKN9	S G H L F A G H M F	G S R N L F	Y A E L [P F G I I	F D A I I N F G	GVMKP KL RS TRCMP	L D Q L	RSAFG QNIIFK	A A GIVIDILIA QIVIGIVID A S
UniRef90_Q2W7S2		GSVNV	FADL	IDER	TRCMP	TEQL	KARFD	AAGIIDSK
UniRef90_UPI000426 UniRef90 S9RGS5	3F8D KGHVF MGHIF	GSVNV GSRNV GSKNI	YRNL	LNAD	G T M K S G T M K S	PDDL	RAIVIF D	A A G V D M S D N G V D L T R A G L D L A
UniRef90_E6VKW5	A G H II I	' G S <u>R</u> N L	• Y N D II	$1 \oplus S \otimes S$	G T M K P	DEL	RQIFE	RAGLDLA
UniRef90_UPI00037A UniRef90_A9W5V6	F68F SGHUF PGHMF	G S L N V F G A K N L	YREL YA A	LDGG	K L K A P I G R L R D	QDIK	QAFVQ	A GIVI DILIA E A GIVIDILID
UniRef90_W8S4C4		NCLCV	1 V A C II		~ T / P	\sim \sim \sim \sim \sim	RAAFE	A G G V D L E
UniRef90_UPI00035E UniRef90_E2CD74	03BE	G S R N L F	AGAL	VIA D G M O F D	RILKGD	A DII		A A G V D P D D A G L D L T
UniRef90_H2RVI7	PGH	G S V S M	FYSE	<u> </u>	ĞĦĒĹP	KEQL	QALFT	QAGIVIDILIS
UniRef90_B3PXP4 UniRef90_D4I8G3	S G H M F R G R 🛭 F	GARSL	SG V	FASQ VSFC	GRFKS RIVE	LP EL	RQTIE RAIFH	DAGIDLS HQGVDLS
UniRef90_UPI00031E	453D P G R M F	G S E N L F G S R N L F G S V S M F G S E N V P G S E N V P	HARL	VEQG	REKAP	ĒDĪ	RPVFE	A A GIVISILID
UniRef90_W4C1K9 UniRef90 A7HXG3	A G H I F G G H I F	GAIINKE	F WK D V	LDEQ	GRWKS	TEVL	K E H Y E R A L F E	GL DPE KAGIDLS
UniRef90_A3JRR0	SGHMF	NAKSL	HSDI	LNAD	GIMKD	LAGL	RSAYQ	Q A GII IDIL IE
UniRef90_A3WY54 UniRef90_Q65NR2	S G H I F A G H I F	G A I N K F G S L N L F O N A K S L F G S R N L F	YTEL	FDPT ITFG	GIV M K P	L D Q I	RAVFS	R A G V N L A A L D P G
UniRef90_UPI000366	D4FE SGHMF	GARSL	ATSL	S A N	GRFKD	VA TL	K S M S	DAGIDLS
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UniRef90_UPI0003FB	B6C8 SGHMF	GARSL GGARSL GGARNA GGARNVF GGARNVF GGARNL GGARNL GGARNL GGARNVF	YGEL	D D G	RLKS	AADL	RALFA	ARDIDPL
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UniRef90_UPI000346	7581 RGHIII	NSILINIVI	² WNEL	V V ID G	iQILIK P	AAEILI	EAILIFR	R H G V D L A D A G V D L D
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UniRef90_D6V8X0	SGRI	GSLNV	FTDL	T D P T	GEMRR	VS E L	QKIFS	A A H A D L A
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UniRef90_L0MG18	R G H L F	GALNR F GALNR F GSINI F GALNL F	YGEL	LENG	RVKS	E A L	RETFS	A L L A G T A A K G V D L N
UniRef90_UPI0001D2 UniRef90_G2DY17	EF11 SGHMF	GALNL	FGAL	VEQG	RLKD	RAAL	E G A F A	GAGVDPD SALGDPP
UniRef90_V4K864	ŠĞHV	GSKCV	FPQM	FDSS	<u>ă î L L P</u>	AEEL	KKRFE	ALLAGIA AKGVDIN GAGVDPD SAIGDPPQEDISLE QHCINPA ALLGDSP GAGVDLD QAGVDNQ
UniRef90_R9NU14 UniRef90_I0HYJ9	R G H II F A G H II F	G S H N L G A V N A	WNEL YAIN	V E N G L D A D	GRFITA	PGFI	K K L F Q R E R Y F	QHUINPA ALLGDSP
UniRef90_F2IXB8	ĠĞĦМ	GAFNM	SAVE	TAED	GTFLP	PEQL	RAVĖĀ	GAGVDĽD
UniRef90_A3WDM5 UniRef90_A0A059E7		GSI CO	SGEL	T A D D R T P D	DRLKS	ADEL	RTLFA	Q A G V D M Q D P M
UniRef90_A0A017HV	E7 SGHMF	GARSL	FGAV	LNPD	GTMKD	PEAL	AEAME	A A GVDPE
UniRef90_V4BFJ4 UniRef90_H8GJQ1	G H V F	GALNR	FQAN	LAAS	GEFLP	TNQL	R R Q F Q	Q A G V D M Q D P M A A G V D P E D A G V D L N A L I G E R P A S G V D P A A L L K G R P K L D K T G A G I D D D S A I A S P
UniRef90_UPI00036D	9198 GHI	GSVNL	YSRL	FEAD	GRWKK	GHAL	AEEFA	ASGVDPA
UniRef90_Q3SG14 UniRef90_UPI000425	3C56 A G H F	GAKN <u>Y</u> F	- <u>W</u> MNV		IGNWKS	NETEL	ESHFA	K LDKT
UniRef90_UPI00026C UniRef90_UPI0003B5	BOAA PGHLF 3EA1 SGHMF	G S K N L F G A K N L F	V G Q I	FNED	GTWKT	GDAL	KAAFE	G A G I D L D S A L A S P D
UniRef90_C0LIR5								Q E G I S L D E R G V E L S
UniRef90_A0A024K88 UniRef90_UPI000381	1765 C C U M		7	1 1/1 1/2 1/2		C D A H	$V \cap A = A$	
UniRef90_W0PA71	GHI F	GAANRE	FKDN	LQAD	GREKE	AETL	ŘŘÉĽŤ	ASLQGQQ
UniRef90_UPI00030E UniRef90_K5XTQ3	83FA A G H I F	GALHYF	YKEN	LSAD	GTLRP	A H E L	KERFA	A S V Q G Q Q P L A E A G V D G T R Q G V D F E T V A G T E P
UniRef90_V9ZGH7	R G H I	GALNV	WTDL	V IN G	ĔĖK T	v b ê L	N D L F C	RQGVDFE
UniRef90_B4EN25 UniRef90_F5L5V1	G H I F G G H I F	GARNRE	FKDN	LAAD	GRFKT	GHEL	REAFA	TVAGTEP
UniRef90_G5ZY60	AGHI	ĞŞLNE		L N T B	TKLKS	AEQL	STEFA	RYLDQKD AAGLDM <mark>H</mark>
UniRef90_UPI000369 UniRef90_Q9I452	DACA PGHI	GARNL GAOCA	VIS E V	VKDG	RLADP	DALH	KA VE	A A GILDLS
UniRef90_E0Y153	s G H	N S VNT	Ϋ́ <u>Γ</u> Γ	L N E Q	KCLKT	KLEL	ĔSĖFĖ	A A GL D M S L L R G R P V E A G I D L D L S D P E D V G I E D D
UniRef90_L8J9Z8 UniRef90_L0I9V1	SGHMF	NAKSL	FSQL	LSEG	YFLDI	EQLS	KRFDA	L S D P E
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QUERY	KPLIATO	250 260 270 280 CRKGVTACHIALAAYL <mark>C</mark> GKPDVAITYDGSW <u>F</u> EWFH
UniRef90_H0ZK98	KPVVAT (CGSG V TACH V A L GAY L <mark> C</mark> GKPD V A V YDGAW V EWYM
UniRef90_F6W6L0	K P L V A T	G S G V T A C H V A L G A Y L C G K P D V S I Y D G A W V E W Y M
UniRef90_M3ZFY9 UniRef90_H8FQL6	K P L WAS C	C G S G V T A
UniRef90_H0VBR7	QPLVÄT	GSGI SACTVVLGAYLCGKPDVPVYDGSWVEWYM
UniRef90_UPI0004698642	KPIITS	G S G V T A A V L A L A L E R L G H S E WALLY D G S WA E W G M
UniRef90_V4RAZ2 UniRef90_U2YM20	R P V V T T C	GSGVTACIVAL GLHLIGANGVAVVDGSWAEWGN GSGVTACIVAL GLHLIGANGVAVVDGSWAEWGN GSGVTAAVLALALERIGHSEWALYDGSWAEWGM GSGVTAAVLSLALTLTGHRDVGLYDGSWSEWGG GSGVTAAVLSLALTLTGHRDVGLYDGSWSEWGG
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UniRef90_UPI00037CDEBE UniRef90_A3K561	KPAI TT(KPVI TS(C G S G V T A A V L S L A L T R I G K T D H S L Y D G S W S E W G M C G S G V T A A I L N L A L E V L G K S D H A L Y D G S W A E W G
UniRef90_A0A037ZN59	KPVITS(G S G V T A A I L N L A L E V L G K S D H A L Y D G S WA E WG G S G V T A A I I N L A L E R L G H R H H A L Y D G S WT E WG M G S G I T A S V V A L A L A R M G K P R S A V Y D G S WT E WG
UniRef90_D5VJH0 UniRef90_C8S4F0	KPIVSTO KPAISS	G S G V T A A V L S L A L T R I G K T D H S L Y D G S W S E W G M G S G S G V T A A I L N L A L E V L G K S D H A L Y D G S W A E W G M G S G S G V T A A I L N L A L E R I G H R H H A L Y D G S W T E W G M G S G S G V T A A I L S L A L E R I G H R K H A L Y D G S W A E W G M G S G V T A A V L D L A L E R I G H R N H A L Y D G S W A E W G M G S G V T A A V L T L A L E R I G H R N H A L Y D G S W S E W G M G S G V T A A V L T L A L Y R L G I R D T A L Y D G S W S E W G A G S G V T A A V I T L A L E Q V G F S K N A L Y D G S W T E W G S G S G V T A A I L S L A L E R I G V H K H S L Y D G S W A E W G Q G S G V T A A I L S L A L E R I G V H K H S L Y D G S W A E W G Q G S G V T A A I L S L A L E R I G V H K H S L Y D G S W S E W G G G S G V T A A I L S L A L E R I G V H K H S L Y D G S W S E W G G G S G V T A A V L T L G L Y R L G V R G S A L Y D G S W S E W G G G S G V T A A V L T L G L Y R L G V R G S A L Y D G S W S E W G G G S G V T A A V L L L A L E R I G V R G S A L Y D G S W S E W G G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G G S G V T A A V L L L A L E S I G K T G T T T T T T T T T T T T T T T T
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UniRef90_A5EPT2	KPIVTS TPVITS	G S G V T A A I L S L G L E R I G H R N H A L Y D G S W S E W G M G S G V S A A V L T L A L Y R L G L R D T A L Y D G S W S E W G A G S G V T A A V I T L A L E Q V G F S K N A L Y D G S W T E W G S
UniRef90_G8PKN9 UniRef90_Q2W7S2	Q P V T I S (C G S G V T A A V T L A L E Q V G F S K N A L Y D G S WT E WG S C G S G V T A C T V A L A L H L V G H E N V A V Y D G S WA E WG N
UniRef90_UPI0004263F8D	KPAI TT	G S G V T A C T V A L A L H L V G H E N V A V Y D G S W A E W G N G S G S G V T A A I I S L A L E R I G K T D H S L Y D G S W A E W G
UniRef90_S9RGS5 UniRef90_E6VKW5	K P V I T T (GSGVTAAILSLALERI GVHKHSLYDGSWAEWGQ GSGVSAAVLTLGLYRLGVRGSALYDGSWSEWGL GSGVTAAVLLLALESI GKTGVVLYDGSWTEWGG
UniRef90_UPI00037AF68F	HPI I TT	G S G V T A A I L S L A L E R I G V H K H S L Y D G S W A E W G Q G S G V S A A V L T L G L Y R L G V R G S A L Y D G S W S E W G L G S G V T A A V L L L A L E S I G K T G V V L Y D G S W T E W G G
UniRef90_A9W5V6	R P V V T T C	G S G V T A A I V A L A L E T L G K E P R A L Y D G S W S E W G
UniRef90_W8S4C4 UniRef90_UPI00035E03BE	KRTIITT(QPIVTS(G S G V S A A V L T L A L Y R L G L R D T A L Y D G S W S E W G A G S G V T A A V I T L A L E Q V G F S K N A L Y D G S W T E W G S W A E W G N T A A I I S L A L E R I G V H C H S L Y D G S W A E W G Q G S G V T A A I I S L A L E R I G V H C H S L Y D G S W A E W G Q G S G V T A A I L S L A L E R I G V H C H S L Y D G S W A E W G Q G S G V T A A I L L L A L E S I G K T G V V L Y D G S W S E W G L G S G V T A A I L L L A L E S I G K T G V V L Y D G S W S E W G G G S G V T A A I L L L A L E S I G K T G V V L Y D G S W S E W G Q G S G V T A A I L M L G L E T L G K E P R A L Y D G S W S E W G Q G S G V T A A I L M L G L E T L G A R D V A L Y D G S W S E W G S G S G V T A A I L A L G L E T L G A R D V A L Y D G S W S E W G S G S G V T A A I L A L T L A L T L S G A K K L K L Y D G S W S E W G S G S G V T A A I L T L A L T L S G A K K L K L Y D G S W S E W G S G S G V T A A I L T L A L T L S G A K K L K L Y D G S W S E W G S G S G V T A A I L T L A L T L S L G M P G V S V Y D G S W G E W G S G S G V T A A I L W L A L T L A L T L S L G M P A A L Y D G S W G E W G S G S G V T A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A A I L W L A L D A L G R P P A A L Y
UniRef90_E2CD74	KPIITS	G S G V T A A A L T L A L T L S G A K K L K L Y D G S W S E W G S
UniRef90_H2RVI7 UniRef90_B3PXP4	RPVCVL KPVVTS	G S A V T A C H V V L A A H E C G H P G V S V Y D G G W S E W F T G S G I T A A I I T L A L E S L G H H D N K L Y D G S W S E W G S
UniRef90_D4I8G3	QPVIAS(GSGVTAVVVILALTSLGVNNVALYDGSWGEWGS
UniRef90_UPI00031E453D UniRef90_W4C1K9	RPVITS QEVIVY	G S G V S A A I L W L A L D A L G R P P A A L Y D G S W A E W G S G S G V S A C P N V L A L G K A G Y K N V K L Y A G S W S D W L S
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UniRef90_A3WY54 UniRef90_Q65NR2	SFIVVY	C G S G V S A A V L T L A L Y R L G V R G S A L Y D G S W S E W G S C G S G V S A C P N V L G L K E A G F E N V K L Y A G S W S D W L S
UniRef90_UPI000366D4FE	KPVVTS	G S G V S A C P N V L G L K E A G F E N V K L Y A G S W S D W S C G S G V T A A V I M L A L E S V G H D D N A L Y D G S W S E W G S G S G I T A C A V A L G L E V A G A K Q V A V Y D G S W T E W G S
UniRef90_C1A3S1 UniRef90_D3PL61	APIVCS GEIIVY	G S G V T A A V I ML A L E S V G H D D N A L Y D G S W S E W G S G S G I T A C A V A L G L E V A G A K Q V A V Y D G S W T E W G S G S G V S A T A N V L A L E L A G K Q A R L Y A G S W S D W V S
UniRef90_UPI000375662A	GPII VITS	G S G V S A T A N V L A L E L A G K Q A R L Y A G S W S D W V S C G S G V S A A I L A L E G V G S K A E G I Y D G S W A E W G A G S G V T A A V I N L A L A R I G K T D H A L Y D G S W T E W G
UniRef90_A3SLZ4		G S G V T A A V T N L A L A R T G K T D H A L Y D G S W T E W G G S G V T A A I L L A G L E T L G K T D V T L Y D G S W S E W G F
UniRef90_T0KHU3 UniRef90_UPI0003FBB6C8	RPVIAS	G S G V T A A
UniRef90_A4TNL1	KPIIITS (CGSG V TAA VVVL G L AA V NARS V S L YDGSWAEWGA
UniRef90_A9D5T7 UniRef90_UPI0003693BB5	KPVVTT C	
UniRef90_C5D2I6	PII VY (C G S GIV IT A C P NIV L IAIL IK E A G Y T NIV IRIL IY A G S W S D WII IS
UniRef90_G8MCA9 UniRef90_UPI00046A0682	DRIVLQ(KPVVTS	G S G V T A C H N V L A M E I A G L H G A A L Y P G S W S E W S G S G V T A V V V L L A I N S L G V N D V R L Y D G S W S E W G S
UniRef90_A0A024Q629	K P V V T S (GSGVTAVVLLALNSLGVNDVRLYDGSWSEWGSGSGVSACPNLLALKSAGYSNVKLYPGSFSDWISGSGSGVSACPNLLALKSAGYSNVKLYPGSFSDWISGSGSGVTAAAITLALETLGHAENRLYDGSWTEWGGSGVTAVVLILALTTLGVTNVKLYDGSWGEWGSGSGMTANVVIFALHLLGKTDVALYDGSWSEWG
UniRef90_V7FRX7 UniRef90_UPI0003467581	KPVVTS KPIVAS	G S G V T A A A I T L A L E T L G H A E N R L Y D G S W T E W G
UniRef90_UPI0003B6AD78	R P V I A S	GSGMTANVVI FALHL LGKT DVALLY DGSWSEWG
UniRef90_J3DH09	QTAIMQ	GSGVTACHNLLALEVAGLPGAKLYPGSWSEWSS
UniRef90_Q11IF3 UniRef90_W9BUJ7	Q P V V T T	GSGMTASVVAFGAHLLGKTDVSLYDGSWAEWG
UniRef90_D6V8X0	RPLVTS	GSGVTAGVLSLALARLGV DSALYDGSWAEWGL
UniRef90_B2T9H7 UniRef90_UPI00034839BA	PDHVVQ	G S GIVIT A CIVIN AIL IA MEIVIA GIL IH G A AIL IY P G S W S E W S S
UniRef90_L0MG18	GPIVVS	GSGVTAAVLAFGLQSLGAPQVRLYDGSWSEWGL
UniRef90_UPI0001D2EF11 UniRef90_G2DY17	N R V V H S	C G S G V T A C H N L L A M E V A G L A G S R II Y V G S W S E W G A
UniRef90_V4K864	KPLMAS	GTGVTACILAMGCHRLGKTDVPVYDGSWTEWAT
UniRef90_R9NU14 UniRef90_I0HYJ9	QEAL FY	C G S G V I A A V L I L A L N I L G A K N V R L Y D G S W G E W G S C G S G V S A V H D L I A M F A G G M G R Y V G S W S F W T
UniRef90_F2IXB8	RPVTTS	G S GVT A AVTTLAÜTVLĞHRDHNLYDGS WT E WG G
UniRef90_A3WDM5 UniRef90_A0A059E7X1	RPLVAT	GSGVSAAVTAILAIDARIGNWDVAVVDGSWQEW
UniRef90_A0A017HVE7	RPVVTS	S S G V T A A L S L A L E R L G R S H A L Y D G S WA E W G A
UniRef90_V4BFJ4 UniRef90_H8GJQ1	K P I T A S	GSGIISACTI ALA AYICGKK DVAVY DGSWMRFVI
UniRef90_UPI00036D9198	RPLVFT	GSGITAAGLLFAAHMLGREDTALIYDGSWSEWG
UniRef90_Q3SG14	WOVLHM	GSGVTACHNVLAMELLAGLPGSRLVPGSWSEWIT
UniRef90_UPI0004253C56 UniRef90_UPI00026CB0AA	K P L V T T	GSGITASALAFGAHLLIGNE AAVYDGSWSEWG
UniRef90_UPI0003B53EA1	RQLIFS	GSGVTACHLALAATLSGYPKLSVFDGSWSEWGA
UniRef90_C0LIR5 UniRef90_A0A024K884	K P I V A S C	G S GIL T A S T I A I I A I I F I V A G A K D V S V V D G S W T E W A T
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UniRef90_W0PA71	PERI SQ	GSGIVITACHNILLIAMEIVAGFSGAAILIYPGSWSQWSN
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UniRef90_V9ZGH7	RPIIAS	GSGVTAAVVVLALTTLGVNGV <mark>C</mark> LYDGSWSEWGA
UniRef90_B4EN25 UniRef90_F5L5V1	KELI VY	C G S G V T A C A N V V A L H E V G L O P K I Y V G S W S E W S
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UniRef90_UPI000369DACA UniRef90_Q9I452	N P V I T S C	CGSG V TAA L L W L A L ETIL GAPPAA L YDGSWTEWGA
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UniRef90_W4RGZ3 UniRef90_C1DPN3 UniRef90_UP100040754E5	DEGRLLYIRSHIPGAVYFDLEKHLSREHGGRHPLPDITQFAYGARSYAEAHIPGARFADLERDLSGPVTGRHPLPDPVLLEGRKAYRQGHLPGAVYVDLKKDLSEKHGGRHPLPPHEKIDAGRKAYLQGHIPQAVYLDLNKDLSDKHGGSHPLPDMEMF
UniRef90_UPl00026273CD UniRef90_UPl00031850DB UniRef90_K2P175 UniRef90_V6MCM2	A A GRDGY QQGHI PGA HYLHLDNEL SGPTNGRHPLPDPELF RNARAEYEAGHI PRAVFFDQDAVVANAMLPHTLPDARTF
UniRef90_UPI00030EED38 UniRef90_N4V5V8 UniRef90_W4BMF9	
UniRef90_G0SAW7 UniRef90_UPI00047DB494 UniRef90_U2ZA45 UniRef90_B9H614	R D A R A E F E A G H I P G A V F F D V D A I A D H S A G L P H M L P S A K D F E A G R Q A Y E A G H I P G A V Y L D L E K D L S S P H G G R H P L P D P A V L P K G R Q V F T E K R I P K A R F F D L D K V I D K H S P Y P H M L P T P K H F A K G E K L Y Q E N H I P G A V Y F D L E K Q L S A P H G G R H P L P D I N Q F R P G D D E P M I P G A V R F D L D A V A D T A S P L P H M L P S S E A F R D I Q A E Y L A A H L A D A P F F D I D G I V D R T I N L P H M L P S S E A F R D I Q A E Y L A A H L A D A P F F D I D A V K D R D S P Y P H M M P R P E R F P E G W Q T F K A C R I P K A R F F D L D A V K D R D S P Y P H M L P S S E D F A Y G Q R S Y A E S H I P K A R F A D L E Q D L S G P V T R R H P L P D P A T L R D A L A E Y K K E H I R G A L F F D I G A C S D V T S P Y S N M L P N A Q F F A A G E R S Y R E G H L P G A H Y L H L D R D L A D H T P G R H P L P T R E A F
UniRef90_UPI000364A412 UniRef90_K2RUN7 UniRef90_S6AH78	RNPIQEYQVAHIPGALFFDIDGIVDRTINLPHMLPSEEAFRDIQAEYLAAHLADAPFFDIDGIVDRTINLPHMLPSEEAFRDIQAEYLAAHLADAPFFDIDGIVDRTINLPHMLPSEEAFRDIQAEYLAAHLADAPFFDIDGIDGIVDRTINLPHMLPSEEAFRDIQAEXACRIPKARFADLEQDLSGPVTRRHPLPDPATLRDALAEYKKEHIRGALFFDIGACSDVTSPYSNMLPNAQFFAAGERSYREGHLPGAHYLHLDRDLADHTSPKYNHMLPSAEF
UniRef90_UPI0001CBB0AF UniRef90_A2SJ51 UniRef90_UPI0001CBB0B0 UniRef90_I3ZEE7	A A GERSYREGHL PGAHYLHLDRDLADHTPGRHPLPTREAF RIA A QEYPKKHIRGALFFDI DVCSDTTSKYVHMLPSAELF VDTHALYLQKHLPGAVFFDI DALSDHSSGLPHTLMSDEAF DMRALYAESHIPTAQFFDI DALSDHSSGLPHMAPTPDMF
UniRef90_E8RSQ7 UniRef90_A0A024QES4 UniRef90_D3KZR7	YKLGHIPGAVYMDLEKDLSEKHGGNHPLPDLDML YKLGHIPGAVNLDFGNFIDKSSPYPYM <mark>C</mark> PSKEQV
UniRef90_W0LD25 UniRef90_K9UIY3 UniRef90_H8GJB0 UniRef90_G2IVI8	DILIGRIQ Q Y A A A HILIPE A H Y ILIDIL IN R DILISS PAGIVIR H PLIP D D R IV L R S A II A E Y H R O HILIO GA O E E NILID N II A D O T H PILIPH TILIPS A E O E
UniRef90_UPI0003B40EE4 UniRef90_I7A7N2 UniRef90_D9QHX3 UniRef90_E4V3D9	DHGHHAYNKGHIPGAHYLNLDYNLSGAKTGRHPLPEGQRLLVGRIAYLSGHVPGAMYADLETDLSGPAGGRHPLPDPEALDYGRRSHAQGHIPGAQFADLERDLSGRVTGRHPLPQPQALRDARAEFERLRIPGAVFFDLDAVSDHTTDLPHMLPTAAAFPEGRTTFKKKRIPNARFFDIDVVKDTNSPYPHMLPSKEKF
UniRef90_D5ZQS4 UniRef90_UPI0004769F74 UniRef90_UPI0002E2BAD4	E S G R Q A Y E K A HI
UniRef90_W9T2F1 UniRef90_A4IN72 UniRef90_Q0BTI3 UniRef90_UPI00037234E5	A Y G Q R S Y A A A H I P G A R F A D L E K D L S P G K T G R H P L P E P E Q L S K G A A V Y R D D H I P G A V Y M D L E R D L S G P H G G R H P L P S A A Q A R N G H D D Y R R S H I P T A I Y F D I D A I A D Q Q T N L P H M V P P P G Q F Q W G R R A Y V E G H L P G A V F F D V D R D L S A S T N G R H P L P E R A E F
UniRef90_A9ITD0 UniRef90_C6CPD0 UniRef90_F7YRZ4 UniRef90_F9U7H5	RNGHDDYRRSHIPTAIYFDIDAILADQQTNLPHMVPPPGQFQFQWGRRAYVEGHLPGAVFFDIDAILADQQTNLPHMVPPPGQFQFQWGRRAYVEGHLPGAVFFDIDAILADQQTNLPHMVPPPGQFQFQWGRRAYEQGHIPGARYLDHETELAAPSNGRHPLPARADLRDIAAEYRAEHLPGARYFDIESLSDHHTALPHMMPNITTFSETEKDTLHS
UniRef90_G4H864 UniRef90_L0A4C9 UniRef90_A1ST81	E A G R R A Y R A G H I P G A L Y L D L E Q A L S A P A G G R H P L P D P E A L R D G K L E C L K Q R I P G A L F F D F N E I C H Q N N P L P H M M P S E S D F
UniRef90_A5UR80 UniRef90_B2U935 UniRef90_Q474C7 UniRef90_L0EK36	A A GREAY O O GHIVP GAFY MHLD NELS GPTN GRHPLPDAEAL
UniRef90_W2DLJ4 UniRef90_U2YU79 UniRef90_L5KIB5	E A G R R S Y E E S Y I P G A I Y M D L E R D L S G P H G G R H P L P D I R E L D Y G R C S Y A E G H I E G A Q Y A D L E R H L S G P V T G R H P L P T P Q A L T E A Y D E E H A P G A I G F N W E T Q L Q D Q T Q R D I L S K E D F R E A R K E Y L E R H V P G A S F F D I E E C K D K S S P Y E M M L P S E A G F
UniRef90_V9DRI2 UniRef90_J1JWP8 UniRef90_I3UUG0 UniRef90_T0J2W9	REARKEYLERHVPGASFFDIEECKDKSSPYEMMLPSEAGFPEGLQAFLKKRIPTARFFDIDEIKDQESEWPHMLPTCDAFRDAREEYANTHIIGAVFFDHELVSDQKTNLPHTLPKPEDFDYGQRSYAQGHIEGAHFADLDRDLSGPRTGRHPLPDAQRLEKGRERYRAGHLPEARYAHLDEDLAGPSNGRHPLPARVAFRSGRKEFEQLRIPGAQFFDIDAVTSK
UniRef90_E9CIW1 UniRef90_D3UX62 UniRef90_W0Z9D6 UniRef90_F6DGU1	RSGRKEFEQIRI PGAQFFDIDAVTSK SPYPHMLPSAEQFTDYHQLWLDNHIPGAQFFNLDKLANLQTNLPHMLPEPEVFPDGRPDYLAGHIPGAVYVSLDDELAEPADGRHPLPDAATLDEDLLYDTGHIPGAQKIDWQ RDFWDPVVRDFISEEEF
UniRef90_K8WMH5 UniRef90_UPI00037B9F60 UniRef90_I4CRJ2	Y DICKER WELE E HI PSAQFFNQDELLADINEPERHMEPDAEIF DAGRDAFAAGHIQNAQFANIDTDESGAKTGRHPLPERTVE AYGERSYREAHIPGAOFANIDEKDUSPGTTGRHPLPDPFOL
UniRef90_UPI0003B706C2 UniRef90_E4NI70 UniRef90_E6SJF3 UniRef90_UPI000472297B	TRGRSEYQQSHLPGAVFVDLEDLRPDRRGGRHPLPDTVGL PGAEEYAKGHLPGAHYVDLDELADPPGPGRHPLPDPERL DEDVTLYEVGHIPGAVKIDWHT DLQDPVVRDYLSPEQF SVGPRQFAEGHIPGARYLNHETELAAPTNGRHPLPSRDAF
UniRef90_U2ZHZ7 UniRef90_B6XIP0 UniRef90_UPl0004703468 UniRef90_Q31KG2	SVGPRQFAEGHI PGARYLNHETELAAPTNGRHPLPSRDAF GYGARSHAEGHL PGAHFADLERDLSAPVTGRHPLPDPQML YDCYQSYLDEHI PHAQFFNQDELADKSSDLPHMLPSAATF AAGRQKYEEAHI PRAVFLDLENDLSTTHGGRHPLPEPEEI QQGRDQYQQGHLPGAVYLDLEQDLSGDRGGRHPLPDLEAL RTGLDVFLEKRIPKARFFDLDKVIDKSSPYPHMLPSSKDF
UniRef90_G4UVS2 UniRef90_UPI00047483E0 UniRef90_W5MZ79	RTGLDVFIEKRI PKARFFDLDKVI DKRSPYPHMLPSSKDF RSGKQEWATKRI PGAVYFDFDEI VDKSSSVPHTLPSPEYF RDAEKEFRQGHI PGASLFDI DA <mark>Q</mark> SDRGSPFDHMLPTESEF
UniRef90_W4YAF9 UniRef90_UPl00037F72FB UniRef90_W4ZGM2 UniRef90_D1C1D9	RTGLDVFILEKRIPKARFFDLDKVIDKRSPYPHMLPSSKDFRSGKQEWATKRIPGAVYFDFDELVDKKSSSVPHTLPSPEYFRDAGKEFRQGHIPGASLFDIDAQSDRGSPFDHMLPTESEFSAGRDAHDKQHIPGSLHIDLDQLRDKDTTYYYTMPTPEFFDAGRAEYDAGHIPGSLHIDLDQLRDKDTTYYYTMPTPEFFDAGRAEYDAGHIPGSLHIDLDQLRDKDTTYYYTMPTPEFFDAGRAEYDAGHIPGSLYFNLDEQKDKDTTYYYTMPTPEFFDAGRAEYDAGHIPGSLYFNLDEQKDKDKDTYYYTMPTPEFFDAGRAEYDAGHIPGSLYFNLDEQKDKDKESHFKVTLPRLNEFSGREVYAESHIPGAVYLDWADLSDPNHPVDYMMPPAEQVGDFPSRYDEGHVPGAVYFDLERDLSDQNQRDLLKKDEFESGKQSYDLDHIPGAVYFDLERDLSTEHGGRHPLPDVQELRKGLDTFREKRIPSARFFDLDKVIDKRSPYPHMLPSKSDFPGADSYRFGHVPGAVFGDLNADIAAPAGGRHPLPSADIF
UniRef90_L0AIU5 UniRef90_UPI000248C8F0 UniRef90_K1XWR9	GDFPSRYDEGHVPGAIGLQWDEDLSDQNQRDLLKKDE FESGKQSYDDHIPGAVYFDLERDLSTEHGGRHPLPDVQELRKGLDTFREKRIPSARFFDLDKVIDKRSPYPHMLPSKSDF
UniRef90_D2B907 UniRef90_W4AKZ5 UniRef90_UPI0004652180 UniRef90_Q7NQ95	ESGQASYEESHI PRAVYLDLEKDLSSPHGGRHPLPDLDTL
UniRef90_N1QA27 UniRef90_S6JEC9 UniRef90_UPI0003C76333	PEGYEVIFKKAHSPQARFFDLDKI SDTSSPYPHMLPSPEVIF DYGORSYAFGHI AGAHFADI FRDI SGPVTGRHPI PFPAAI
UniRef90_B0YBV3 UniRef90_D5C2W8 UniRef90_F0RJQ2	P GRPAYEAGHI PGAVYVDLDTELAAPPGGRHPLPDLGVFPEGRKAFRKHRI PQARFFDLDAIKDSESPYPHMLPTVETFSAGRYAYQQSHLPGAHYVHLEEDLSTPATGRHPLPDPAQLLLGRMAYLESHLPGAVYADLEMVSESGAGGRHPLPEPEAL

UniRef90_W4RGZ3	90 100 110 120 KERLQDAGI DNKTRVIVI YDGKEGAFASRLWWLLKYVGH
UniRef90_C1DPN3 UniRef90_UPI00040754E5 UniRef90_UPI00026273CD UniRef90_UPI00031850DB	TERLRAWGIDNDSQVVL AKTLGEIGIDRYTAVIA TAKIGNIGIDHETTVVI AARLRALGVNDDTLVVA YDDGPGAFAARAWWLLAWLGK YDDSGGMFAARFWWQLRYLGH YDQQNDMFAARLWWLLQYMGH YDAQGSMYAARLWWMMRWTGH
UniRef90_K2P175 UniRef90_V6MCM2 UniRef90_UPI00030EED38	ERHASAMGIITRDDTIIVV YDGPGFFSAPRVWWMFRIIMGA VSLFSQAGIIDQSKTVIA YDDQDMAYAGRLWWLLRYLGH AAEMQ RLRFGDGMHAIVYDSVGLFSAPRLWWTMKVFGV
UniRef90_N4V5V8 UniRef90_W4BMF9 UniRef90_G0SAW7 UniRef90_UPI00047DB494	A E A MS E L G I R Y E D I V V V Y D S A E L G I F S A P R V A W T M R V F G H K L D I E K A G I D H T K A V V A Y D G G E G Q Y A S R F W W L L T F I G H
UniRef90_U2ZA45 UniRef90_B9H614 UniRef90_UPI000364A412 UniRef90_K2RUN7	A A A V G A M G I D Q Q D H I V V Y D E R G L F S A A R V W W T F R T M G A A A A A S A L G I E N K D G I V V Y D G K G I F S A A R V W W M F L V F G H A V A M R E L G V S S E K H L V V Y D E G N L F S A P R A W W M L R Y F G V A K A M G Q L G I R R D D S V V V Y D S K E Q G I F S A P R V A W T L K V F G H
UniRef90_S6AH78 UniRef90_UPI0001CBB0AF UniRef90_A2SJ51	A G R L R D W G I D A D S S I V L Y D D G P G A F A A R A W W L L A W G K R A D Y V G N L G I S N D T H V V T Y D T H E C G F S A A R A W W M F Q H G H A A T I T R I G I T P A T P V V V Y D R Q G A M F A A R A W W M I R W G H
UniRef90_UPI0001CBB0B0 UniRef90_I3ZEE7 UniRef90_E8RSQ7 UniRef90_A0A024QES4	ANYVGNLGINNDTHVVVVYDNNDNFGFSAPRVWWMFRHFGHGAAMGELGIHDTATIVVYYEQGD VFSAPRARWKLRAMGAAQAVGDMGIRETDHVVVV YDRHGLFSAARVWWTFRLMGHVNKLSNIGIDHQTTVVVV YDQRNEMYAARAWWLLHYLGH
UniRef90_D3KZR7 UniRef90_W0LD25 UniRef90_K9UIY3	E E T L R A L G L K N N D T L V I Y G D T P N N A A A R V W W I L D R Y G H S I A A G K L G I S E K H T L V F Y D E G N Q F S A P R G W W T F R N F G V G A K L A T M G I N P D T L V V A Y D D S R L G F A A R L W W L L R Y Y G H
UniRef90_H8GJB0 UniRef90_G2IVI8 UniRef90_UPI0003B40EE4 UniRef90_I7A7N2	GRQVGQLGIDNQTWIIV YDRHHFFASARAWWMFRVFGHAVDLGTCGVKPGRQVVV YDDAGGMFAARAWWLLRWLGHAAWLGQAGIRNDSVVLCYDDSTGQGFYASRAWWLLRWLGHLARFREWGLNDGDEVVL YDDGPGAFAARAWWLLAWLGK
UniRef90_D9QHX3 UniRef90_E4V3D9 UniRef90_D5ZQS4 UniRef90_UPI0004769F74	A D A A G A L G I S A T D R I V V Y D T V G L F S A A R V W W T F R L M G A A E A M Q S M G I R R D D R V V V Y D T E E Q G L L S A P R V G W T L R V F G H A A R L G A L G V G P G T H V V V Y D Q G P N I W A T R L W W N L R Y E G F A Q R I G A L G I G P D T P V V V Y D R Q S A M F A A R A W W M L R W L G H
UniRef90_UPI0002E2BAD4 UniRef90_W9T2F1 UniRef90_A4IN72	I DKLSTAGII TKETKV VA YDDQGGMMASRFWWMLKYLGH LARLQAWGLDDDSQV V L YDDGPGAFAARAWWLLAWLGK AFVEGRAGII DET VITV V VYDDQHGAMAARCWWI LIRYEGH
UniRef90_Q0BTI3 UniRef90_UPI00037234E5 UniRef90_A9ITD0 UniRef90_C6CPD0	A A QL G A L G V S N N S R V V F Y D Q N S M M W A A R G W W L F R L F G L A A L L A S R G M Q S S D H Y V V Y D G S N G I F A A R L W W M L R W V G C A A L M A G H G V H P D S L V V A Y D A S G G M F A A H L W W M L R W L G H A D A L G K L G L N E R Q H L V I Y D E G N L F S A P R A W W M L R L S G A
UniRef90_F7YRZ4 UniRef90_F9U7H5 UniRef90_G4H864 UniRef90_L0A4C9	NQLAQSI GLNHDSI VVV YDNSGTFASPRAWWMLKAMGH ADWLGKCGVSATTRVVV YDDAGGGFAVRLWWLLRWIGH ASAFGKAGI HQDARVVI YDDQGGMMASRLWWMLKYTGH
UniRef90_L0A4C9 UniRef90_A1ST81 UniRef90_A5UR80 UniRef90_B2U935	QESVQNLGINQRSTIVV YDTVGIFSSPRVWWMFKTMGF EQLMVSKGISNDTTVVF YGDKHNWWATYALWVFKLFGH LARLQALGVNDDTQVVA YDRQGSMYAARIWWLIRWVGH
UniRef90_Q474C7 UniRef90_L0EK36 UniRef90_W2DLJ4 UniRef90_U2YU79	T D R L R A L G V N R D T E V V A S A K L G K A G I D R G M R V V A I R Q L Q A W G I H A D S E I V L A T L L G E H G I S E D S T V V L Y D D Q G G A M A A R F W W L L R Y M G H Y D D G P G A Y A A R A W W L L A W L G K Y G D N S N W F A A Y T Y W Q F K Y F G H
UniRef90_L5KIB5 UniRef90_V9DRI2 UniRef90_J1JWP8	S D Y V G R L G I S N D T H V V V Y D G D N L G S F Y A P R V W W M F R V F G H A D A M S K L G V R R E D E V V I Y D T E E L G L F S A P R V A W T M R V F G H A R Y V S A M G V T Q K D T I I I I Y E T N G F F S A P R V W W M M R I M G A
UniRef90_I3UUG0 UniRef90_T0J2W9 UniRef90_E9CIW1 UniRef90_D3UX62	VERLREWGLNNDSEVVL YDDGPGAFAARAWWLLVWLGK AAWLRKQGLKQEQQVIV AQHAGSAGVNNKTHVVVV YDSQGIFSAPRVWMTFRTFGH RQAVSAMGISENHLVII YDQGNMFSAPRAWWTFKIFGT
UniRef90_W0Z9D6 UniRef90_F6DGU1 UniRef90_K8WMH5 UniRef90_UPI00037B9F60	QAAVRRWGII DDGDTVVVV YDDLKSLSAARAWWVLTDAGLAKLMERLGII SNDTTVVVL YGDKNNWWAAYAFWFFKYNGHSHAVGAMGII SNNTQVI I YAQNN LFSAPRAWWTFTT MGHIETLRAWGII DDDTQVVA YDAHGGMFAARLWWLLRWIGH
UniRef90_I4CRJ2 UniRef90_UPI0003B706C2 UniRef90_E4NI70	LT HLR QWGL GDGSEVVL YDDGPGAFAARAWWLL WLGKR QQAMRRAGVNEDSQVVV YDQGSSLAAARLWWLL RDAGQ ATALRRAGVRADRPVVA YDAGPALSAARAWWLL RWAGH
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UniRef90_U2YU79 UniRef90_L5KIB5	P
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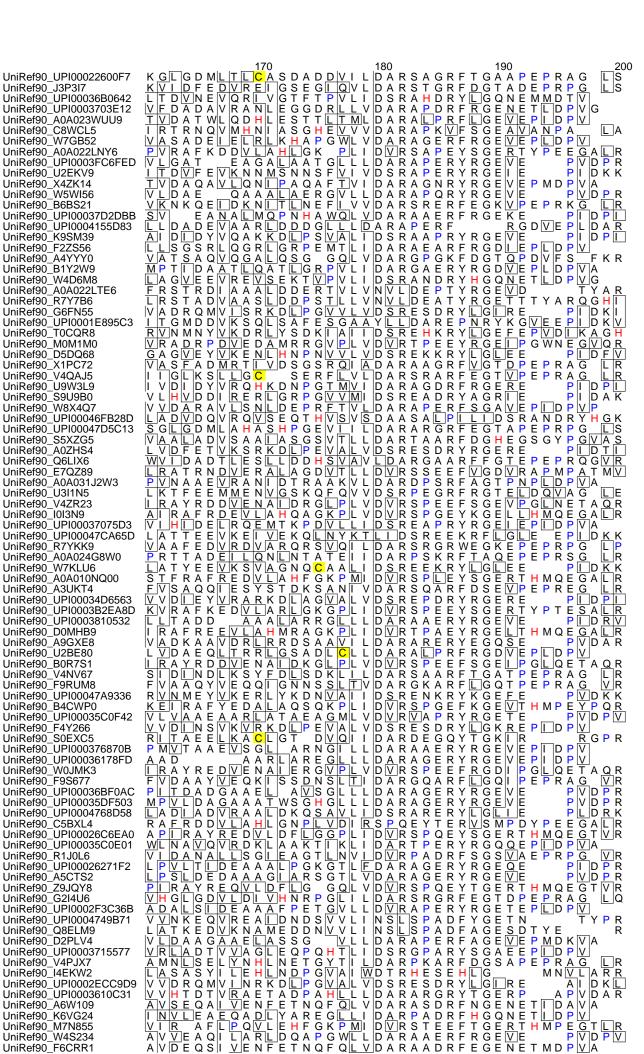
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UniRef90_UPI0004768D58 UniRef90_C5BXL4	S Y G R R T Y E Q K H I P G A V H F D L A H D D E D V L L Y E T G H I P G A V K I D W H	L S Q K H G G R H P L P D F Q K L
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UniRef90_UPI00035C0E01 UniRef90_R1J0L6	NAGAKAYRFĞHI PNARYAHLNND RNAKSEWFTKRI PDAVYFDFDEI	L S
UniRef90_UPI00026271F2	RNAKSEWETKRIPDAVYFDFDEINGHRHYLDGHLPGAVYVDLDTEPGRPLHEAGHIPGAVYADLDTEDEDVLLYETGHIPGAVKIDWH	LASPAEGRHPLPDĪDĀL
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UniRef90_G2I4U6 UniRef90_UPI0002F3C36B	ADPQQRFANAHVGGAVRFDIDTFEAGHADYRTGHIPGAVFASLDTENSGQDAFNEEHIPGAVFADLNNE	S D P D S P L P H T I P G Q T R F L S T P S E G R H P L P S T A T L
UniRef90_UPI0004749B71	A D P Q Q R F A N A H V G G A V R F D II D T F E A G H A D Y R T G H I P G A V F A S L D T E N S G Q D A F N E E H II P G A V Y A D L G E L P G R E A Y D A G H V P G A H F V D L D T E A L G A A M F A E A H I P G A V H A D L D R L D M A L F R Q D H I P S A R F F D L E A I D P S H A Y Q S G H I P G A V N L N V Y A L Q L G K Q Q Y Q L S H I Q G A Y Y L D L N Q D R S G R E A Y R A G H L P G A V H A D V D T D A K G S E Y N K G H L P G A V H A D V D T D A K G S E Y N K G H L P G A V H A D V D T D A K G S E Y N K G H L P G A V H A D V D T D A K G S E Y N K G H L P G A V H A D V D T D C A K G S E Y N K G H L P C A V B T D C A V B T D C A V B T D C A V B T D C A V B T D C A V B T D C A V B T D C A V B T D C A V B T D C T D T D C T D T D T D T D T D T D	SDRNAPFPMTIPSREQF
UniRef90_Q8ELM9 UniRef90_D2PLV4	P G R E A Y D A G H V P G A H F V D L D T E	LAPGDGGRHPLPSASVV
UniRef90_UPI0003715577 UniRef90_V4PJX7	P GREAY DAGH V P GAH F V D L D T E A L GAAMFAEAH I P GAVHAD L D R L D M H A L F R Q D H I P SARFFD L EA I P S H A Y Q S GH I P GAVN L N V Y A L Q L G K Q Q Y Q L S H I Q G A Y Y L D L N Q D R S G R E A Y R A G H L P G A V H A D V D T D A K G L S E Y N K G H I P G A V F V D L E R D D N G Y D A Y L Q G H L P G A V K V D W H T E N E D L L Y D T G H I P G A H Y A D D D A D	LSSQDGGRHPLPLREDF SDHTSAIPHMAPSAROF
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10.00_1 0011111		

	00 400 440 420
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UniRef90_UPI0003FC6FED UniRef90_U2EKV9	GATLIRAAGVGAGRPVVVV Y DAVDGSAAARAWWL LRWAGH KLIKFEAVGI SNDKTVI A YDEGALLAGAERLWWML KYLIGH
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UniRef90_UPI0004155D83 UniRef90_K9SM39	TAKLGRWGI SPRHQVVAYDAGNG GLAAARFWFLLRALGH AAKLGSFGI NSGSESI VVLYDDSRFAFAARAWWLLRYLGH
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UniRef90_UPI0004768D58	KQ <u>K</u> L GQAG I NEKMT VI <u>T</u> YDRGEN <mark>C</mark> FASRF <u>W</u> W L <u>L</u> K <u>Y</u> MGH
UniRef90_C5BXL4 UniRef90_UPI00026C6EA0	A KILIMD A S GILIT R F T TIV V LILLY G D K S N W W A A Y A ILIWIVIF S ILIF G H
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UniRef90_UPI00036B0642	DNIVAVI	DGGFSO	WKKA	G F P V N D T	Q A V R V P A A F T P N V Q P H	L_
UniRef90_UPI0003703E12 UniRef90_A0A023WUU9	R D V S V L I	D G G L Q A D G G L K A	WILAA	GOPIIDDAI	VHTLPPATY PLAALE IPTNEPGSFSGMPDSG	M
UniRef90_C8WCL5	R H V M I L I	DGGFAR	WKAEI	R P F E S G	A I A P S P I I L Q L S R N E A	Ë
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UniRef90_UPI0003FC6FED	PEVAVL	DGGYAA	WVGA	GHPVTTE	V	Р
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UniRef90_A0A031J2W3	A P V A V L I	DGGKPA	WVDA	GUPLETS	TPQVSGDFEPGDPLVPVSQPTPAVFKAKLDKSVPEYSGVEYDAAGPREVPSYPPTKYVAQERNDKPEPTSSTYVPQIDNR	G
UniRef90_U3I1N5 UniRef90_V4ZR23	R Q V S V L I D D <u>V</u> R L <u>L</u> I	DGGREY	WLEN	GYPITDE	V P E Y S G V E Y D A A G P R E	S
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UniRef90_U2BE80	RDGYLLI	D G G L K A	WREAG	GUALDRR	QPTPTPGDFAGQADAS	Ē
UniRef90_B0R7S1 UniRef90_V4NV67	D D V K L L I	R G G L P A	WLAA	GYPVQAG	TEWVKGVEYTPRLQPN	L
UniRef90_F9RUM8 UniRef90_UPI00047A9336	QNUFVL	N G G L T E	WKRC	GYPTTT <mark>C</mark> SGEUTOE	Y R E T P V G N F N G K L D P N V S P I N K G N F K V F V N F D	Y M
UniRef90_B4CWP0	ŢĸĊĸĽĹ	DGGRDK	WVKE	DKSLTKE	KPKYPATNYPVPÄKRL	Ď
UniRef90_UPI00035C0F42 UniRef90_F4Y266	K S V K L L I	n G G H P A D G G WT G	WHSQ	G Y P V T D Q	T E WVK GVE Y T P R L Q P N Y R E T P V G N F N G K L D P N VS P I N K G N F K V E V N E D K P K Y P A T N Y P V P A K R L V P T P R L G D V A V R P G A L E P T T K P G L F V E Q L R S D	S
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UniRef90_Q8ELM9	ÉNVÁV L	DĞĞFLİK	WEKEI	ĎŔ P ÜŚŢĒ	AKPYSKGHFTGTRNDD	Ĺ
UniRef90_D2PLV4 UniRef90_UPI0003715577	E A V A I L I	D G G L A A	WKAA(G	V	ا <mark>۲</mark> R
UniRef90_V4PJX7 UniRef90_I4EKW2	DKVQLL	R G G L P A	WKAA	GLPVS A DI	I I T P V P T I Y S P Q R R D E	K
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UniRef90_L8DDI7	MSPSPLISAAELHDLFQMGRAP IVLDLRFTLQTO	G
UniRef90_UPI0002F3C3AE	ĸŢĘĬŚĸŇŸVĹĔĸĹŔĔS NVŔĬVD <mark>č</mark> ŔĘQĹĠŇĨ	P
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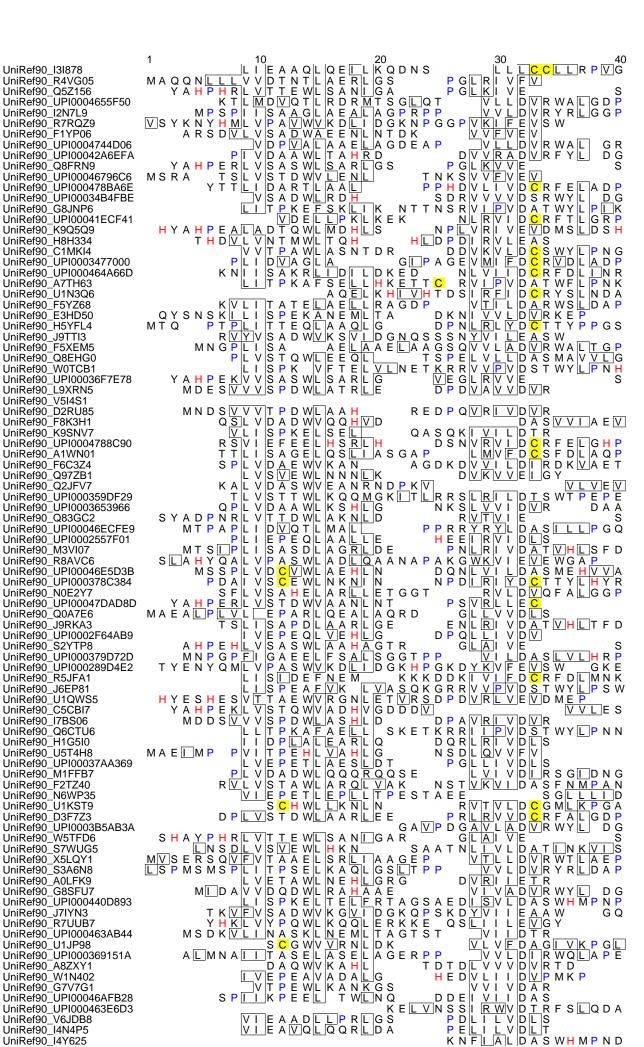
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UniRef90_UPI0003B74167	TRIII <u>T</u> T	· (3 S (3 IV I I A A II I IS A A E II IS A (3 E R I) IV IR II IY I) (3 S W A E W (3 A
UniRef90_UPI00040810B6	DKIIVE	<mark>C</mark> G S G <u>[V]</u> T A <mark>C H <u>T L L </u>A I A T <u>A G</u> L D<u> I P</u>K L Y <u> V</u> G S W<u>S</u>E WS R</mark>
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UniRef90_A3Y989	ĔĖĽ VĤÝ	ĞĞSĞVİTA <mark>CHNVL</mark> AŞVE AĞLEDKRVEVIĞSWILLWSK
UniRef90_A0A059MSQ9	PVAVY	CGSGVTATHQIAALALAGL DAALFPGSWSQW <mark>C</mark> R
UniRef90_UPI0003013AE9	DENIVA	CSGVI A CHUILAYAII A GRPLPRILIYVGSWSDWIT
UniRef90_W5TFH2 UniRef90 UPI00046D0DB7	KDIVAY	CRIGERSSHT WF ALLEIL LIGFNNVK NYDGS WT FYGS
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UniRef90_D0KJ23	ĸĸŬĬĂŸ	C G H G V A A S A D V F V L T Q L G H P D V A L Y D A S L S E WA D
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OTHIVE190_V44A10D0	- 1. L V I I I I	<mark>✓</mark> N L O L N A A II I WI <u>V L N II L N I F A V N N V II D G O W A E W G N</u>

	290
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UniRef90_UPI0004744D06 UniRef90_UPI00042A6EFA UniRef90_Q8FRN9	A D G H E R Y L D E H L P G A V Y V D L E R E L A A P A S G R H P L P D V A A L R D P R A A Y D A G H L P G A V Y V D L H R W L A A E P S G R H P L P T P E H F N E D S L L Y D L G H L P G A V R L D W D K D L N D P V T R D F L D G K A F
UniRef90_UPI00046796C6 UniRef90_UPI000478BA6E UniRef90_UPI00034B4FBE UniRef90_G8JNP6	DEDTTLYEKGHIDGAITFHWRE DLQDGLTRDLISKEKFDKGERAYREGHIPGAVYAHLDRDLSDLSRGRHPLPSEATFRSGREAHLNGHLPGAVFADVDTDLAAPDGGRHPLPSPEDFKDGRSEFRNERIPNAVYFHLGEVSDNEPKASRMLPTLDVF
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UniRef90_C1MKI4 UniRef90_UPI0003477000 UniRef90_UPI000464A66D	EDGALYDTGHVPGALR LDSRRDLWHPVIRDFLAPEAF RDGVAEHASGRVSNARYFDVDELSDRSSPLPHMMPSSTQF TKGRRDFLAGHIPGAVYADLDHDLSDLSRGRHPLPSVAAF TYGLDSYKKGHIPGSFLLDLDKDLSKSAEGKNPLQDPYVL RDGRQEFKDERIPGSVFFDIDYLKDPNSKYTHMAPDSNTF SYGKYAYRQGHLPNAVFLDLMEDLSGRHPLPSKQAW
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UniRef90_E3HD50 UniRef90_H5YFL4 UniRef90_J9TTI3	D Y N K G H I P G S Y Q I W R P S F S A D K G E Y E Y M R A T R E K M D V P Y H A F F A G H I P G A D F I D Q F F S D A S A Q Q F F M M P D V A O I
UniRef90_F5XEM5 UniRef90_Q8EHG0 UniRef90_W0TCB1	GEPSADYKKAHI PGALHI NTDLI EEPNYWNVRTPEEI S GRPDYEAGHLPGARWUDLESELTTHGPGRHPLPDPEVF KEPLLYHEPICI PRSRRFDVEEFCDKTSTQIHALPRFESF RDGKQEFDEERLKGAVYFDIDSVKDLKSEYPHMLPDSETF
UniRef90_UPI00036F7E78 UniRef90_L9XRN5 UniRef90_V5I4S1	R D G K Q E F D E E R L K G A V Y F D L D S V K D L K S E Y P H M L P D S E T F D E D A F L Y D I G H I P G A V R I D W H K D L N N Q V T R D F I D G E A F D A WE Y D G I G H V P G A V N V P F D S Y R D E T G P D P G T L P G R E A F R P S Y E K Q H I P G S I F F D M D M V T D T T S P Y P Q M L P T A S Q F D A WE Y D G I G H V P G A V S I P F D S Y R D E S D V D R G T L P G A E A F
UniRef90_D2RU85 UniRef90_F8K3H1 UniRef90_K9SNV7	DEDIVISAYD I GHILIP GAIVIKII ID WKN DILIQD PIVIR RDEIVID QKGE
UniRef90_UPI0004788C90 UniRef90_A1WN01 UniRef90_F6C3Z4 UniRef90_Q97ZB1	DPDDFAKEHI PGAVNRKLFTYLVEDSTPETLTKLQTDFHSGFNQYMKSHI ENALYFDLEKDLSREVGGRHPLPPIVEFTAGAQQYAQAHI PGAVYADLNHDLSPASGGRHPLPPIVEFTAGAQQYAQAHI PGAVYADLNHDLSPASGGRHPLPSRERFELGDKPY I QGAVVAPYASWRTEVGGVPGMLPPLEQINPQINYYEGHI PGAVLINWRDFLDDNS RDFASPGKLDEDVSAYDKGHI PGAVRLDWK SELQDPVIRDFLNREQF
UniRef90_Q2JFV7 UniRef90_UPl000359DF29 UniRef90_UPl0003653966	DEDVSAYDKGHIPGAVRLDWK SELQDPVIRDFINREQF VDGYKTFFEAHIPSSLYFDLKQVQTSGQKGPFPIPDSNRF KDGANPYAKGHVPGAVSAPYSTWRAEVNGVPGMLPPLETI DEDVLLYESGHIPGSLKVDWHT DLNDTVLRDYLSPEKF
UniRef90_Q83GC2 UniRef90_UPI00046ECFE9 UniRef90_UPI0002557F01	DEDVLLYESGHIPGSIKVDWHT DLNDTVLRDYLSPEKF QDMERAFRELAFRKADRFRIDEICDKDSPLPHMVPGAGLF SPQNYLAGHIPGALGLPFQALMAGTPPAPGKLPSIERL
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UniRef90_Q0A7E6 UniRef90_J9RKA3 UniRef90_UPI0002F64AB9 UniRef90_S2YTP8	NEDVLLY DVEHI PGAQKLDWH I DLNDQVERDYLDRAGF DGNDYREAHI PGAVHLDFPHLLRQVPPAMGLLPDLRTL ADGRDTYLAGHLPGAVFADLADLSDPDGEAPFAAADSARF PLNGDSYRQGHVPGAIYLDYRYLMRGEGPVPNDVPSVAFL DADDYQYDLGHIPTAIRIHPQ SELADPLRRELLSPEDF
UniRef90_UPI000379D72D UniRef90_UPI000289D4E2 UniRef90_R5JFA1	DADDYQYDLGHIPTAIRIHPQ SELADPLRREILSPEDF ESGRSRWEDAHLPGAIHVRVDTDLSVPAATHNHRPPPQEL QDSPSYLKDGHIPGSVHINTDDIEKGPLWNRVSDEELEKF TYGVDSYSKGHIKGAYLMDIEHDLVDPHGGRHPFKKPEDL
UniRef90_J6EP81 UniRef90_U1QWS5 UniRef90_C5CBI7	DNKHDFLITKPRI ANSI FFDI DAILSDQRSPYPHMFPAKQVF DVYDDWHVPGAVRVDWQT DI VDG GDL VGPEAL NFDAI LYSTGHI PGA ORVDWHTFI NDPVSRDFVGPEAF
UniRef90_I7BS06 UniRef90_Q6CTU6 UniRef90_H1G5I0	DAWEFDGIIGHLPGAVNVPFDSYRDESDVDRGTLPGADAF RSGKQEFDEERLKGAVYFDIDGVKDMKSEYPHMLPDLSTF PAFRHAAGHVPGALHIDYGRIVASAAPVMGILPFIIGVI
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UniRef90_X5LQY1 UniRef90_S3A6N8 UniRef90_A0LFK9	D G H E A Y L G G H L P G A V Y V S L D D E L S D H S R G R H P L P S G R N V D G A E A Y R D G H V P G A V Y V R M D A V H G A A S E G R H P L P S P A D F S Q P A Y N G G H L P G S V R M D P E H F R G V V G G V S S M V L P V D M I
UniRef90_G8SFU7 UniRef90_UPI000440D893 UniRef90_J7IYN3	S Q P A Y N G G H L P G S V R M D P E H F R G V V G G V S S M V L P V D M I R S G R A A Y E R G H L P G A V F I D L D T A L A S P A E G R H P L P D P A V F L N A K E E F L K K R I P G A R Y F D L D D I A S P N E G L K H M M P T G E I F V S E D K A Y T E A H I P G A I H L N T D E I E E E K K W D L R T G A E I
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UniRef90_UPI000369151A UniRef90_A8ZXY1 UniRef90_W1N402 UniRef90_G7V7G1	F D G R A A Y A A G H I P S A V F I D L D R E L A G P G E G R H P L P D L A A F D H Y D G S V I P G A V R L P W S E F Q D V G E D L A S T F V G V R Q A E S Y T E G H I P G A V R L F L D H R R L L K G S G K V P N E V P D V E A L P K S M Y S K G H I P G A V N A F W T Y E A N M G S P G W G D I V P K D L I
UniRef90_G7V7G1 UniRef90_UPI00046AFB28 UniRef90_UPI000463E6D3 UniRef90_V6JDB8	PKSMYSKGHI PGAVNAEWTYFANMGSPGWGDLYPKDLL AGSKARYDEQHLAGALFADVNEDLDFAVGGRHPLPTSEQF QAGRKLFDQGHVKDAVYLDLEKDLSDKTTGRHPLPDKETI SANRYVSGHI PGAHFVEGKRTQLGQPPAPGLLPSLSDL SAARYATGHI PGARFVDPKRTQLGQPPAPGLLPTQAAL RNPEQEYLQKHLPKARRWNLDKIAAPHPNVGHMLPTPELF
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UniRef90_R4VG05	A R L G Q A G I T P E T H V V A <mark>C</mark> D A E G N G R A S R L W T L D <mark>C</mark> I G H
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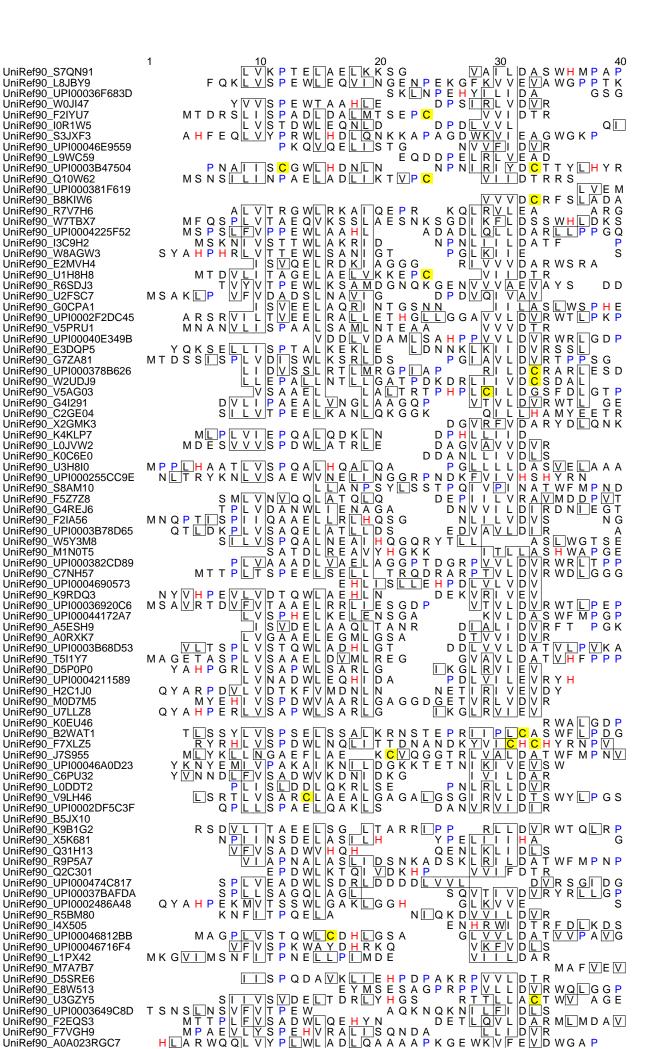
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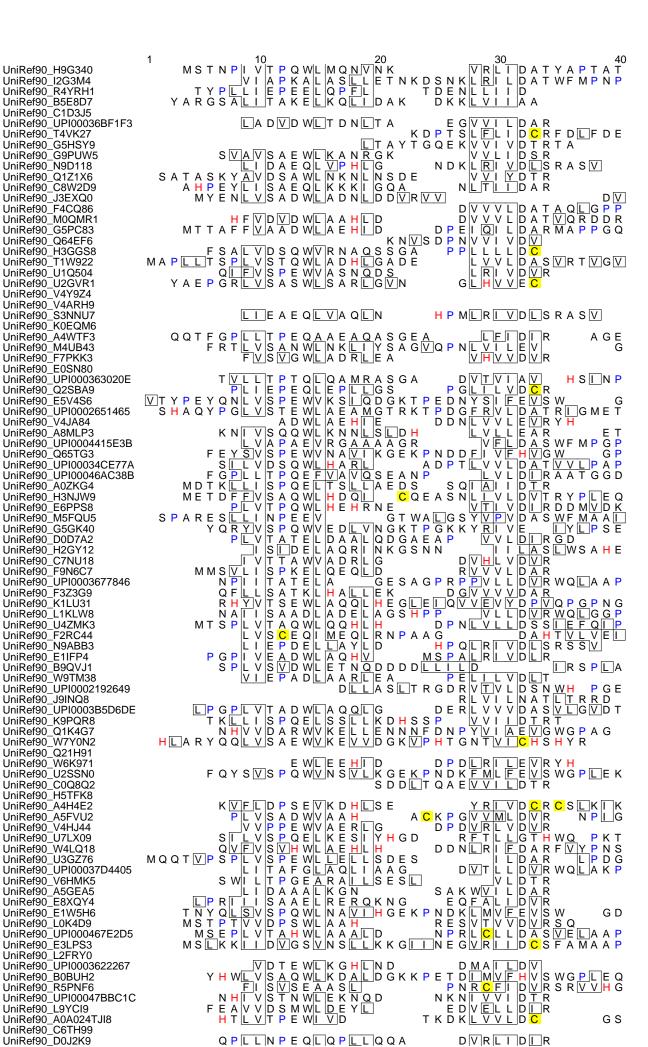
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UniRef90_UPI0003649C8D	NA <u>II F F E WS WA V D I K N G</u> F R Q <u>V </u> E S D T <u>L L </u> A H <u> L </u> K T <u>L </u> G
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UniRef90_E5V4S6 UniRef90_UPI0002651465	E G D K A IN Y K E H I K G A Y H F N T D W I E D G P V WNL R S A D E L G K A H I P G S H H I D I H Q L S N K D S S Y H F T A P T P A N F
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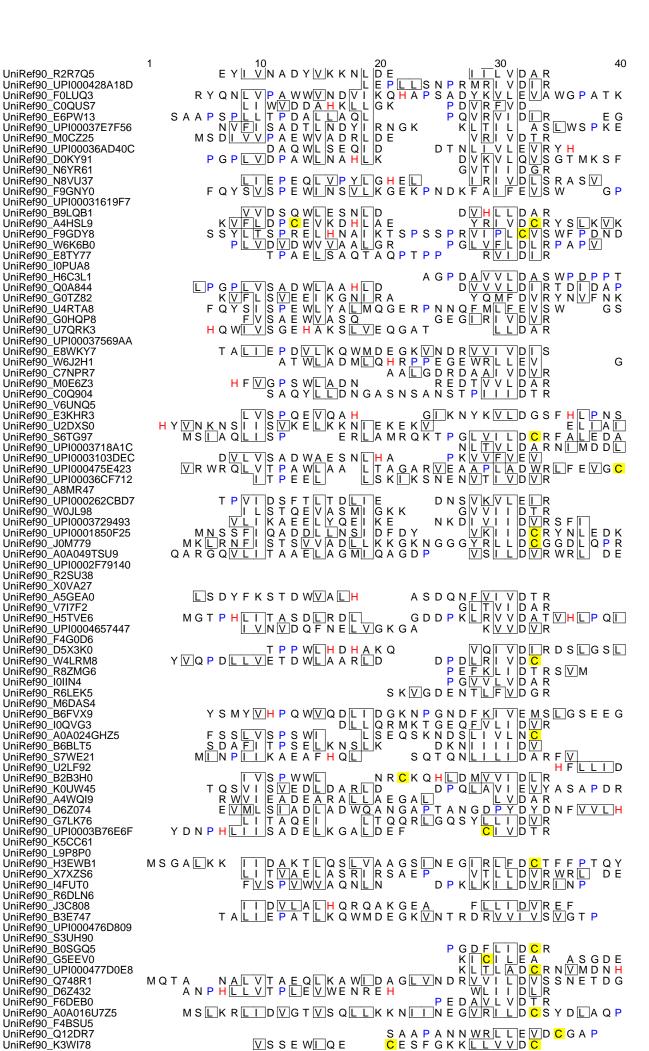
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UniRef90_Q65TG3 UniRef90_UPI00034CE77A UniRef90_UPI00046AC38B UniRef90_A0ZKG4 UniRef90_H3NJW9	K D V R V L N G N L T T W T K A G F A T E T A V N T P T P V S Q F G A E L P L N D A S V L D G G F N A W R A A G L P E H N G P A E P L T P V Q P W A L H P R Q S Q L A L L N G G F K G W T E A G L P L E Q E V Q D P R P S D L E L S Y S D E W T Q V S V L H G G Y K A W L T A G P T T Q G E V P L R K S K V F T A H P D A A L D Q V K I L D G G L Q A W Q R A G Y P L E T Q P C D H F G C D V P A R P E L Y L D K L A L L N G G V N A W L Q A G L P V V I T D K A A T A P G N W T A G T E D K S P G A L V L N G G L P A W E E Q G L P V E T E P P S A P W K S S Y K P V P Q L D K D L R L L N G G K P L W V A Q N R E L E K E S P S V E K V D F E V P Q N P E L T E L S I L N G G A Q A W V N A G L P V S K E A V T P E P T E L S I S W D N T W Q D V V I L D G G Q Q A W E A A G H E T L G G P G N P H G Y S T I K P D L G H M D R L H L L D G D F S A W Q R D H P T T D E V P D V T P T A Y E V D R P A E S A N V K V L A G G I E R W H R E G Y P L T Q E S I P T M A D S K P L A Y T L Q D P D V R F L D G G L E A W G G P L S T D V P A P E P G D F T P V P G G L P Q R M A L L E R G I D G W K D A G L P V T S E S A K P I P E R Y E A S W E E V R
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UniRef90_UPI000363020E UniRef90_Q2SBA9	N G <mark>H L </mark>
UniRef90_E5V4S6 UniRef90_UPI0002651465 UniRef90_V4JA84	GEPFAGDNKGDMSDYMDPDGTLRNPQEIIYNLWKGQGIAET LGIMKMATNIPFPNVLVDDDKFRSPADLRALFKSNGIDLS IPGAGNVVSLDGTDAQAQIWRDDDALATL YEDLSKD
UniRef90_A8MLP3 UniRef90_UPI0004415E3B	A G HII IP G A II IN Y P W M NII ITIVIN Q FII IM F R F A II IF K Y F F PII IK F F
UniRef90_Q65TG3 UniRef90_UPI00034CE77A	S G H M P H A L S L P F Q S F L E S V K A T N S Y T V L K A P D G Q G L D G K P G K G E P Q G A I WMA D Y Y D V D G T L R N P K E I F A L W K E Q N I N Q G R G H I P G S Q N L P A R Q L F D A H G R Y L P K D A L A L A I G P T L L H S D
UniRef90_UPI00046AC38B UniRef90_A0ZKG4	PGTLPQSQYFTHSNWFSDQPVIVNAESAKALAIENNLDTG KGRIPNAVWLEWHRLMNCDPMFRSPAEILELCQSVGITSH
UniRef90_H3NJW9 UniRef90_E6PPS8	S G E I A G A R Y L G D E L I A N V Q G E L A A P S V Y L S Q W Q K W G I T P D A G H L P G A R S F P T D A I V K P V H E F M S A E D Y K K I F A E F N I Q P N S G H L P N S F S L P F S T L L E Q H D K E Q A L R D V L G P S A D A V L A G Q
UniRef90_M5FQU5 UniRef90_G5GK40 UniRef90_D0D7A2	REAYAGSDPYAMEDYRNIIDNIMENYKII I JEERWKII WGII II GI)
UniRef90_H2GY12 UniRef90_C7NU18	A GHI P G A E NVP S R DL LT E E GLFKS P E E I R E V F A GVGV H S A F G H I P G A V O V D W R D I V D D F T R I K P R F F I F A I L F P K G I T P F
UniRef90_F9N6C7 UniRef90_UPI0003677846	G G H I P G A I N H F Y E W G F I A D G V R P II A E IL Q I A Y G D L I K V E K G G H I P G A V S A P T T Q N V S E G A T T F P E E E L S A R F K R L G A A D A
UniRef90_F3Z3G9 UniRef90_K1LU31	A G E I K G A V Y A G D E S L F T E T Y H L Q H P E N F E D R W Q E E G I C L D
UniRef90_L1KLW8 UniRef90_U4ZMK3	G G H L P G A V S A P T T E N V T E S G R F R S A A E L A D R F K A L G A T A D C G H A L S A E H L P W H T A V R P D G T F R D D V E L A A A Y A G V R T D A
UniRef90_F2RC44 UniRef90_N9ABB3 UniRef90_E1IFP4	PGAIL H FEWS TAIL IN RENHIL IKIL H PFERTOHRIL IQQIL IGFRIL ID
UniRef90_B9QVJ1 UniRef90_W9TM38	GARHWEWQNAISTRSWAMLHHPES LRERLISAGITPN SGHLPGATHFDQAKFYDTESNQLKSREALASLAQDAVSGD GHIPGAINFEWTAAMDPARALRIREDIAERLQALGIVPE
UniRef90_UPI0002192649 UniRef90_J9INQ8	GHIPGAINFEWTAAMDPARALRIREDIAERLQALGIVPEAGHIPGAVSVPVWELTEDDGTVAAPEVVRERLAGHGVTSGRGHIPTSRSLSLTDVLDDDFCYKKSEEMKKIIKEIQNPEKPGSVNVPVGSVVDRTSRTQLHGSALAERLAPVEAPTSARKGRIPNAVWLEWHLLMNELPMFRSKTEILELCQSVGITAK
UniRef90_UPI0003B5D6DE UniRef90_K9PQR8	P G S V N V P V G S V V D R T S R T QL H G S A L A E R L A P V E A P T S A R K G R I P N A V W L E W H L L M N E L P M F R S K T E I L E L C Q S V G I T A K
UniRef90_Q1K4G7 UniRef90_W7Y0N2 UniRef90_Q21H91	P G R I P G A L WWT M E A Y V N S D N T L VA P A Q I E T Y W T S Q G I T S D G N C G S D A Y H M E N Y R N V D H T T R E Y H E V E E Q W K E L G I T P D G G H I P G A T H C E W T T L M D P A R N Y R I R T D A K A H L D K L G L N A E
UniRef90_W6K971 UniRef90_U2SSN0	I P G A I N V V S L S G T A N G E W K D D A A L A E M Y K A I P K D P G K F A G T D S S N V A D Y Y D P D G T L R N P N E I F A L W K T Q N I N K G
UniRef90_C0Q8Q2 UniRef90_H5TFK8	GGHITGAVQIPYPWYFSKDKTVLPYENLKNLFESRGITQDPGHIPGAINVPWSKAANEDGTFKSDDELAELYSEAGLDGSPGHIEGARNLPYTSQLVMREEEIRHNIMTAIQGACDTTDL
UniRef90_A4H4E2 UniRef90_A5FVU2	P G H I E G A R N L P Y T S Q L V M R E E E L R H N L M T A I Q G A C D T T D L P G T I P G A R N L P E S W L V N D G G V F R T P A D L A G L Y K A A G V P M A
UniRef90_V4HJ44 UniRef90_U7LX09	P G T I P G A R N L P E S W L V N D G G V F R T P A D L A G L Y K A A G V P M A A G H L P G A V Q L D W L E L V D A D T R G R P R E E L E S V L E G R G L T P D A G H L P G A V N V P E R L F H N D V R T L K T P D E L R E V L A A A T Q E N T
UniRef90_W4LQ18 UniRef90_U3GZ76 UniRef90_UPI00037D4405	S G H I P G S V N V P F T E L F R G G R M F R S A I E A E N T T G P D A A D W Q A G H I P G A I N L P S V L A A D G T L R T D G A
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UniRef90_E8XQY4 UniRef90_E1W5H6	RIPGAR LLFWEDVVHNGAFQDAGEIRHRAEKAGLHPD YGALWGFAGTDSSNIADYYHTIRNPIELVELWKQQGLNKD
UniRef90_L0K4D9 UniRef90_UPI000467E2D5	WE DLL EDDTGRLKPNDELEALLTKKGIRRD
UniRef90_E3LPS3 UniRef90_L2FRY0	N G S R I G F K N L P S S E L L S K N G T L K S E D E L R S W L T E N G Y V E N S G H M P G S L N I P F N A V L D P E T K A F Y P A E K K Q I F K E K G V N P E G A L S L P W A S L M S K D N P R E L K P D G E I Q E I I G K V E A T P D
UniRef90_UPI0003622267 UniRef90_B0BUH2 UniRef90_R5PNF6	GEPYRGIDSSNVADYYDPDGSLIRNPKEII FALWEQQGI KPN
UniRef90_R5PNF6 UniRef90_UPI00047BBC1C UniRef90_L9YCI9	RIPTAKLTPMMRQENNYYIFIDEKDSRKLLNNAGFGIELD
UniRef90_L97Cl9 UniRef90_A0A024TJI8 UniRef90_C6TH99	RIPTAKLTPMMRQENNYYIFI DEKDSRKLLNNAGFGIELD HGHITGAINIEFTQNLVDDRLRSPDDLEQLWLEEAGLDPA PGHVPRALHLEWSDTLQPSGQFKSTDELVALVAAAGLSAD SGHVPGSKCIPFAQLLDSSQTLLPADELKKRFEQEGISLE TLPGAQQLDFNQW FVPGTSRFVDAAKAREIAAKVQRPQG
UniRef90_D0J2K9	T L P G A Q Q L D F N Q W F V P G T S R F V D A A K A R E L A A K V Q R P Q G

	250 260 270	280
UniRef90_H9G340 UniRef90_I2G3M4 UniRef90_R4YRH1 UniRef90_B5E8D7 UniRef90_C1D3J5 UniRef90_UPl00036BF1F3 UniRef90_G5HSY9 UniRef90_G5HSY9 UniRef90_R9D118 UniRef90_N9D118 UniRef90_Q1Z1X6 UniRef90_C8W2D9 UniRef90_C8W2D9 UniRef90_J3EXQ0 UniRef90_HCQ86 UniRef90_MOQMR1 UniRef90 G5PC83	N Q V Y V A C N T G Q A S V F V A L E R S G K A K L Y N G S M T E L A S D V N T C G S G M T A A T W L A L Q E L G V Q S S Y D E S W M G W A K E A T H C H T H H R S G F T Y L V G K L G R N M K A Y A G S W A E W G K D Q Y F F C Q S G V R S T Q A M F T F Y L L G Y P D V R N Y D G S W T E W G K T V V P Y C R L A E R S S H T W F V L Q L L G Y P D V R N Y D G S W T E W G K T V V P Y C Q S N Q R G A H A Y F V L R L L G Y A D L R P Y E G S W D E W G K E V I T Y C G S C L E A C I N Y T L L D E L S Y N A K T Y I G S M S D W V D E I I V Y C Q T S M R A A P V F V Q L Y E A G Y R N L R I Y D G A Y L E W S S E I V V Y D T A G W R S A F V T M L L R Y S G F T K S Q S Y D E G F Q A W A E P V V V Y C Q S H H R S G L A Y I L G R L L G W N I Q A Y D G A W S E W G K K S V T Y C N K G L A S T L S Y Y L M K R S G F D V A H Y D G S W L D W S K Q I I T Y S N N F Y R A S Y I Y F A L Q L L G Y E K V K V Y D G F Y L Y W S K E V V L Y C N T A R R I S H T Y V V L R H L G Y E N V A F Y E G S L T E W D P Q P I T Y C G M G V S A A G L A L A L A E Q G V A T R V F D G S L A E W	S
UniRef90_Q64EF6 UniRef90_H3GGS8 UniRef90_T1W922 UniRef90_U1Q504 UniRef90_U2GVR1 UniRef90_V4Y9Z4 UniRef90_V4Y9Z4 UniRef90_K0EQM6 UniRef90_S3NNU7 UniRef90_K0EQM6 UniRef90_A4WTF3 UniRef90_M4UB43 UniRef90_F7PKK3 UniRef90_E0SN80 UniRef90_UPl000363020E UniRef90_UPl000363020E UniRef90_UPl0002651465 UniRef90_UPl0002651465 UniRef90_V4JA84 UniRef90_V4JA84 UniRef90_UPl00034CE77A UniRef90_UPl00034CE77A UniRef90_UPl00034CE77A UniRef90_H3NJW9 UniRef90_H3NJW9 UniRef90_H3NJW9 UniRef90_H3NJW9 UniRef90_H5C4 UniRef90_M5FQU5 UniRef90_M5FQU5 UniRef90_M5FQU5 UniRef90_B6FC3 UniRef90_D0D7A2 UniRef90_D0D7A2 UniRef90_C7NU18 UniRef90_F9N6C7 UniRef90_UPl0003677846	K D T V Y Y C E S G A S A S F L Y L A L R M M G Y Q V R N Y D G S W N V W C K P V I T Y C Q R G L R A A H T A F A L E Q M G F K D V K L Y E D S M L Q Y L D E V V I T Y C G R G L R A A H T A F A L E Q M G F K D V K L Y D G S L A E W T E L Y V L Y C N T A R R L S H T Y L L R E L G F A H L G F Y E G S W S E W G Q S S V L Y S Q V G A R A A L V W F L G R L L G H T E T R L V D G G W S E W G G T T V A Y C R R G S S V L A F V A E L C G N P D V A V Y D G S W T E W G C T V A Y C R S S W L A F V A E L C G N P D V A V Y D G S W S E W G C T V A Y C R S S W L A F V A E L C G N P D V A V Y D G S W S E W G C T V A Y C R S S W T S S W S S	N ENN NNNMAASN NSMM NRHNAKH ATS
UniRef90_F3Z3G9 UniRef90_K1LU31 UniRef90_L1KLW8 UniRef90_L1KLW8 UniRef90_U4ZMK3 UniRef90_P2RC44 UniRef90_N9ABB3 UniRef90_E1IFP4 UniRef90_B9QVJ1 UniRef90_B9QVJ1 UniRef90_UPI0002192649 UniRef90_UPI0003B5D6DE UniRef90_UPI0003B5D6DE UniRef90_K9PQR8 UniRef90_Q1K4G7 UniRef90_W7Y0N2 UniRef90_Q21H91 UniRef90_Q21H91 UniRef90_W6K971 UniRef90_U2SSN0 UniRef90_U2SSN0 UniRef90_U2SSN0 UniRef90_H5TFK8 UniRef90_H5TFK8 UniRef90_A5FVU2 UniRef90_A5FVU2 UniRef90_V7LX09	K A V I A Y C H S G R R S S F S Y F I L R L M G F E D V I L Y D H S W Q G W G R P L V I H C G S G F R A S T G F F L L K E L G Y E D V I L F D G S W A K Y Y S E V G V Y C G S G V S G A H Q V L A L A V A G I P A A L Y V G S W S E W S P T V V Y C R V G W R S A H S W F V L E L L G L P D I R N Y D G A W R E F G Q P V I V Y C Q S H H R S G L A Y I L A R L L D W P V R A Y D G A W S E W G Q R I V T Y C N A E N R A A H T L V M L R S L G Y P D V R L L D D A W T P V V S Y C N T G H W A A T N W F V L E L L G Y P E G S Q W S Q W S K E I I T H C Q T H H R S G L T Y L L A K A L G Y P E G V I V Y S G S G L H S S L F L A A M E Y A G L T G A R H Y V G G W S Q W A V Y D D S M V G W S K E I I T H C Q T H H R S G L T Y L L A K A L G Y P E G V I V Y S G S G L H S S L F L A A M E Y A G L T G A R H Y V G G W S Q W A V V V V C G A G L A A A G T G F A L R R A G R A D V A L Y D G S L D E W A S L V V V Y C G G A G L A A A G T G F A L R R A G R A D V A L Y D G S L D E W S K A L S Y Y C G T G W R S S L A W F Y G Y M M G Y E R N Y N F D S G W F E W S K A L S Y Y C G T G W R G S E A F F N A W L M G W P R V S V Y D G G W G H W G K K L L A F Y C G T G W R G S E A F F N A W L M G W K N T Y L Y N G G W G H W G D K L A F Y C G T G W R G S E A F F N A W L M G W K N T Y L Y D G G W N A W G K K T V Y A Y C H D G F R M G L A Y M Q L K H L G Y D D R A S N Y D G S W S E Y S G C V F S C G S G V T A C M N M A L A H H L G G Y D D L A F Y E G S M S Q W S R R V V L Y C N T A R R S H T Y T V L R H L G Y D D L A F Y E G S M S Q W S R R V V L Y C N T A R R S H T Y T V L R H L G Y D D L A F Y E G S M S Q W S R R V V L Y C N T A R R S H T Y T V L R H L G Y D D L A F Y E G S M S Q W S R R V V L Y C N T A R R S H T Y T V L R H L G Y D D L A F Y E G S M S Q W S R R V V L Y C N T A R R S H T Y T V L R H L G Y D D L A F Y E G S L T E W R K D A L I Y S G S G N H S A L A L A A M E D A G F T G L R H Y I G G W S Q W S	LR SN Q AK RMNNNMES R
UniRef90_W4LQ18 UniRef90_U3GZ76 UniRef90_UPl00037D4405 UniRef90_V6HMK5 UniRef90_A5GEA5 UniRef90_E8XQY4 UniRef90_E1W5H6 UniRef90_L0K4D9 UniRef90_UPl000467E2D5 UniRef90_UPl0003622267 UniRef90_UPl0003622267 UniRef90_B0BUH2 UniRef90_B0BUH2 UniRef90_UPl00047BBC1C UniRef90_UPl00047JBUNIREF90_L9YCI9 UniRef90_A0A024TJI8 UniRef90_C6TH99 UniRef90_D0J2K9	Q P I I F S C G S G V T A C V D A L G A T V A G C S N A S V F D G S W S Q W G D V D G V Y C G S G V T A A V A V A A L A A A G R D V A L F P G S W S Q W S S V V I S Y C T G G I R S A W V T T I L R N E G Y N A K N Y A G S M W E W S K P V V Y Y C L G G V R S A Y A W T A H Q L A G L P E A R N Y K G S W A A W E R G I I I Y C H R G A R A A T V F T A L Q L A G Y R Q L A I Y V D G G W N A W E W S Y L A F Y C G T G W R A S V P W F M T N M M G W K N T Y V Y D G G W N A W E R I V L Y C G T G W R A S V P W F M T N M M G W K N T Y V Y D G G W N A W E R I V L Y C G G G I S A A A L A L A L T L A G E T R V A I Y D G S L Q E W A Q P V I T S C N A G I Q A A L L A Y V A V K P S S V P P R V Y N G S L K E M E K P I V S C G T G R E A T N E F N L F K W Y G Y E D V R I Y E G S F T E W S D H L A F Y C G T G W R A G I P W F M T Q M A G W K N A V V Y D G G W N A W Q P R S I V M C G S G V A A C L N A A S L D A A G I L P I A L Y P G S W S Q W A K P L I V Y C N T G A K A K G L W F A T K A N I E D I K V Y D G S M V E Y S E T I S Y C S T A V R G S V G W F V M E Q L G W E T V R N Y E G S W T D W G K P V V T Y C Q R G I R A A H T A F V L E L L G F F K V R V Y E A S M A E Y L S P A V T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M V D W T S C G T G V T A C I L A L G L H R L R K S D V A V Y D G S M T E W G C D M V A T D W F G L E M A G L P N V K L Y A G S M V D W T	SSE NSKEMR LQSM RTNA

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UniRef90_N9D118	RLD <u>S</u> PILTGE
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UniRef90_E6PPS8	RK SSKIATG
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UniRef90_B0BUH2	D G
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UniRef90_C6TH99	QSN TPVDT
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UniRef90_V6UNQ5 UniRef90_E3KHR3	KGV V V S CG S G M T A CT T W L A T R L C S A N R V T L Y D E S W	
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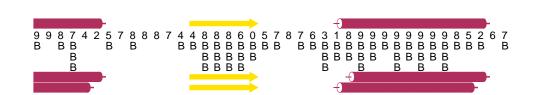
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lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm

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