QUERY	TPDRLQQ <u>A</u> SI	10 _	20 <mark>C</mark> KKYWG⊺K∏I	30 K D A M <mark>I C</mark> A G	40 SASGVSS
UniRef90_UPI0003C8E3D6 UniRef90_H9GDA9 UniRef90_F1Q7H9	P Y H L Q E V E V P D L L Q C L D V P T T L Q E V K I	V	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	K	S S S G R D A S S L A G G Q S P N G K G I
UniRef90_UPI0002C679FC UniRef90_H2RL89	T P D R L Q Q A V L	PLLSNAE PVVSNAD	CKKYWGTKI CSSAYS L	ANVMICAG ISNMLCAG	SASGVAS SREGKDS
UniRef90_UPI0002A4BD7E UniRef90_H0Z7M3 UniRef90_H3D158	T P A V L Q Q A A N S P K T L M E V E N	/ PLLTNAQ	CKEFWGFRII CNCDYGGTII	R D V M V C A G	SAGGKDS SADGASS SIRGKDS
UniRef90_L5KQU0 UniRef90_UPI00045436DE	PELLQCLE/	V P V L S Q A K A P V L T Q A E	C E A A Y P G Q I C K A A Y P G K I	TSNMFCAG TDNMFCAG	Y G G K D S F G G K D S
UniRef90_UPI000273DC6F UniRef90_G3PPY1 UniRef90_UPI0004403A2C	T P D K L Q Q A T L S R S L M E V Q \	PLLSNAE VPIVGNRE	C K K S W G R R I I I C N C N Y G G Q I I C C F A S Y B G O I I C C F A S Y B G O I C C C F A S Y B G O I C C C C C C C C C C C C C C C C C C	T D V M I C A G T D N M I C A G	GASGLSS GTGGKDS
UniRef90_Q29KI7 UniRef90_B3LXQ9	PSILQKVDI _RQAEI	PI WANAE PI WRNED	CARKYGGGII CDRSYFQPII	□ESMI CAG NENFICAG	G Q A A K D S G Y S G V D A
UniRef90_UPI0004423726 UniRef90_G3NYA4 UniRef90_UPI0001D55303	T P N K L Q Q T A L S P G T L Q E V Q V	PLLSNEQ VPVVGNRQ	C K K F WG T K I C L N V K L G T V	T D L M I C A G	G A G S S S V G G K D S
UniRef90_A9AV87 UniRef90_G5EMQ6	S P N V L Y K V Q N T P A L L Q Q A S L	/ P V V S T A T - P L L T N D Q	C N N A Y N G Q I C K R Y WG N K I	T G N M V C A G S N L M I C A G	G Y G G K D S G A A G A S S
UniRef90_UPI00042ADB66 UniRef90_UPI0002038B8A	PYHLREVTI	PIVRNSD PLVSMDT	C E R K Y H T N I   I	K D D M L C A G	G M K G H D S G Y E G R D A
UniRef90_W5LVA8 UniRef90_UPl0003832D58 UniRef90_C1BYQ9	T S DI L Q E A E N	/ P L I P N E K / P V V G N R Q	C Q Q Q M P E Y I C C N C N Y G G T I C	T N N M I C A G T S N M I C A G	G Y D G V D S G L P G K D A
UniRef90_UPI0002C663F6 UniRef90_UPI000328CBCD	PNSLQCLR7 PWNLQQVE	APVLSNST VPIVSNER	CRKAYPGLII CRRQYQWVI	N N S M M C V G	G F G G K D A G A R L R D S
UniRef90_H9GD79 UniRef90_UPl000252BD65 UniRef90_C3Y047	PDTLQEVQI PDTLQEVQI SATLRQARI	PVLSSIQ PVISTEE VPLISRET	CRRIPLYRI CRRRYGWKFI	TPGMLCAG DNMFCAG	B D G G R D A SV M G V D S
UniRef90_UPI0002654725 UniRef90_H9G5K5	SPTELYEVT SAVRLQQVAL	V P I Y D Q H E P L V T V N Q	C N V S Y S G E I	T D N M I C A G	E G G L D S G A G A S S
UniRef90_UPI00038C5EE1 UniRef90_H2TNW7 UniRef90_V3ZDN5	T P A R L Q Q A V L P Q I L Q E V E V	PLVTVNQ VPVLGNRH	CRQYWGSGV CNCLNGGTI	T D S MI C A G T E N MI C A G	GASGVSS GVGGKDS
UniRef90_M3XGZ2 UniRef90_Q1M2L7	NILQKASI LQKVSI	V P V I T N E D V P V V D R A Q	C Q S Y Y K S Y I -	TESMLCAG TPNMFCAG	SYKGIDA SVSGKDS
UniRef90_F6YJN1 UniRef90_I3KMT7 UniRef90_UPI0003ABC00F	PNLLQCLNA PNVLQEAKI	A P I L T T A Q P L V D Q N L A P V L T O A E	C S S A Y P G Q I C Q Q Q L P E Y I C C S A C Y P G R I C C S A C Y P C C R I C C S A C Y P C C R I C C S A C Y P C C R I C C C S A C Y P C C R I C C C C C C C C C C C C C C C C	TNNMFCAG TSSMLCAG	GFGGKDS GYPGVDS
UniRef90_G3VBJ1 UniRef90_UPI0003B6AB9A	PKLLRCLH SSNKLKEVD	VPLLSDAE VPLLSDAE	C Q A S Y P S R I - C R C Y Y K Q T I -	TENMVCAG TDNMICAG	G F L G G G K G Y F R K D S
UniRef90_F7IDB0 UniRef90_G3NGG0	PLILREAK PTRLQCLD\	VKVRSNVI VPI VDEQD	CNQIYCHVVI CEDAYPGMI	KDGMLCAG SRRMVCAG	G D G N H G P G Y M D G G R
UniRef90_B4MS13 UniRef90_F7A744 UniRef90_E9GKV5	PDMLQCLSAPNVLQQVTI	A P I L S D A K R T I T N N E	CETAYSEKI CSSTFRGVI	T K N M I C A G	G F G G K D S G Y P G R G [
UniRef90_UPI0003C37140 UniRef90_UPI00046C1E00	SNVLQEVEL	V K V I D H E V - P L I D R G T	CNDAYGGRI CSALLKQPV	TEDMLCAG ASSMLCAG	GVVGGGR GFPGKDA
UniRef90_W5PZC5 UniRef90_H9KGN6 UniRef90_UPl0002741B33	STVQRQAVI SDVLMQASV	PVWRNED VQFIDRRQ	C S A L L K Q P V / C N Q H Y R K V I I C N A A Y F Q P I C N D A Y Q G E V I	T S N F L C A G M E K M I C A G	SYSGKDA SIPGRVD
UniRef90_UPI0003511EEA UniRef90_UPI00046C1574	S D V L M Q A S V S P N V L Q K G L V P S V L Q E V S V	VKII DNKT VPVI NNSV	C N S A Y D G A V	TAGMLCAG PHIFICAG	G F L K G R V G W R R G G F
UniRef90_Q17035 UniRef90_G6D300 UniRef90_UPI0002060489	T L Q E V E V	V P V L S N E E	CRKYRASRI CRKYTSSMI CAKYTGDLI	T D N M L C A G T D N M L C A G T E N M I C A G	G Y T G R D A G Y P K T G Q G H E G K D S
UniRef90_H9GCN7 UniRef90_V8P530	L Q Q Ā Q \ T P T L L Q K A E \	VELMDREA VEIVDQTV	CNRMYQGEV CHSTYG LI CKCDLQNFI	T D R M L C A G	G H P K A D T G L M K R D S
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UniRef90_UPI00045720B2 UniRef90_G3Q0H7	V L Q E A R V	KMI PLST PLLSNEQ	CNKLYENGV CKQHWGSNL	TPRMLCAG SDVMICGG	GYLHGGV GGAGATS
UniRef90_UPI0003C4C6C2 UniRef90_U3I3F6 UniRef90_UPI000443A91D	PDVLQCGV PDILQQVEV	V P L L P R R R V Y T I S N E E V P I I G N N K	CAERYQGRF CSRLYPNGI CSCYNOGVV	TRNM <mark>LC</mark> AG TRNM <u>L</u> CAG	G S L Q G H S G L S S G G T G F G G K D S
UniRef90_UPI00042BD0EF UniRef90_UPI00022B7C66	S S N V L R E A T V	KLIDSNT VSIISNSL	CNRRYDGVI CNHLFQKPI	T P G M L C A G S R M M V C A G	Y L E G G V G D V G K D A
UniRef90_H3CB18 UniRef90_UPI0003C1A3FB UniRef90_Q8BHM9	V L Q E V D L T Q N K L R O A R N	V	C S D V L T S L L I C N R V Y D G I	I E N MII C A G D D S MII C A G T P G M L C A G	G F P D G G R G F M K I D A
UniRef90_M3VWV2 UniRef90_UPI0001CE2450	NTLQKANN PNTLRQVEI	V P L V T T E E	COTRYGHKI CNKVYGGAV	TNKMLCAC	Y Q G K D A G F T G K L D
UniRef90_F4WIV3 UniRef90_I3JR17 UniRef90_UPI0003C83EF3	T S R Y L Q E V D V	VEVIPNDK PRVPVQE VPIASHSD	CRLHTGLNI CVQTMONEI	T K N MII C A G S F N MII C A G	S Y K G K D S S F K G Q D A S I I G R D A
UniRef90_UPI0003C8ED80 UniRef90_Q9N2D1	NI LQKVTI	PLVTNEE PLVENSE	COKRYRNYV CDMQYHPLVI	T K Q M V C A G	Y K G K D A S E G H D S
UniRef90_F7FL16 UniRef90_UPI0003C46D99 UniRef90_UPI0003442577	T P N K L Q Q A A L T L Q Q A A L P D V L Q Q G G V P D I L Q Q V E S S N V L R E A T P Y T L Q E V Q V P D I L Q E V D I T Q N K L R Q A R N T L Q K A N P N T L Q E V D I T S R I L N F I K N I L Q K V R N T L Q C C L Q L T S R I L N F I K N I L Q C V A R N T L Q E V D I T S R I L N F I K N I L Q E V D I T S R I L Q C C L Q C C C C C C C C C C C C C C	PLISNEE PIVADEI VOVVENGV	C Q K K Y Q Y K V   C R Q Q Y N K V I ( C D Q   Y G K I I I (	I D H M I	D
UniRef90_F1RBZ4 UniRef90_UPI0003EAC96E	PYRLQQVA SPKIFQEVE PHTLQEVRL SPDKLHEVD DILQEAD PYRLQQVR	VPVIGNRQ SLIDNQH	CNCLYGGSI CQEMYNSTI	D N MILICA G	S F K R K D T
UniRef90_U1LWK7 UniRef90_UPl00038EC5A7 UniRef90_UPl00038C5143	S P D K L H E V D N D I L Q E A D N P Y R I O O V B N	V P Y I S N E V V P L V S N E K V K I V D N A W	C N Q H Y E G R I   { C Q Q Q M P E Y I   { C F Q     Y H N F     (	S D N M L C A G	GFDGKDS GYEGTDT GSEGRGA
UniRef90_W5MU78 UniRef90_F1QLS3	PRTIOOTV	/ P V V I N S D	CNNI GATII	I D N M F C A G T D N M M C A G	G Y F D Q D S G G G K D T
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QUERY	50 60 70 80 C M G D S G G P L V C K K N G A W T L V G I V S W G S S T C S T S T P G V Y A R
UniRef90_UPI0003C8E3D6	COGDSGGPILVICNWOGAWILIQILIGIVVISWGHGCGSPDYPGIVIYTR
UniRef90_H9GDA9 UniRef90_F1Q7H9	CIVIG D G G G PIL VIH N S S F Q WILIQ S GILIA S F G R G C A Q P K N P GIVIF T R
UniRef90_UPI0002C679FC	CMGDSGGPLVCQKDGAWTLVGIVSWGSGRCLPFSPGVYAR
UniRef90_H2RL89 UniRef90_UPI0002A4BD7E	CMGDSGGPLVCQKDGAWTLVGIVSWGSGRCLPFSPGVYARCQGDSGGPLMTKSGSRWAQGGVVSFGRGCGLDGFPGVYSRCQGDSGGPLVIKQNIRWIQAGIVSFGKGCALPNFPGIYTR
UniRef90_H0Z7M3	CMGDSGGPLVCQRDGAWNLVGIVSWGSNTCDTKTPGVYARCQGDSGGPMVLKQNNRWIQAGIVSFGQGCAQPNSPGVYTR
UniRef90_H3D158 UniRef90_L5KQU0	
UniRef90_UPI00045436DE UniRef90_UPI000273DC6F	C Q G D S G G P   L V C N G E
UniRef90_G3PPY1	CQGDSGGPLTSQQAGVWVQEGVVSFGNE <mark>C</mark> ALPGFPGVYTR
UniRef90_UPI0004403A2C UniRef90 Q29KI7	D S
UniRef90_B3LXQ9	CQGDSGGPLMMRYDSHWVQLGVVSFGNKCGEPGYPGVYTR CMGDSGGPLVCQKGDVWKLVGUVSWGSGRCSVTTPAVYAR
UniRef90_UPI0004423726 UniRef90_G3NYA4	C M G D S G G P L V C Q K G D V W K L V G II V S W G S G R C S V T T P A V Y A R C Q G D S G G P M V N K K G S V W V Q S G II V S F G E G C A R P N L P G V Y T R
UniRef90_UPI0001D55303 UniRef90 A9AV87	C Q R D S G G P L V C R W N C T W V Q V G V V S W G K S C G L R D Y P G V Y A R C Q G D S G G P F V A Q S S G S W K L S G V V S W G D G C A R A N K Y G V Y T K
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UniRef90_C1BYQ9	CQGDSGGPMVNRVGTRWIQSGIVSFGIGCAQANYPGVYTR
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UniRef90_H9GD79	DACQGDSGGPVVCNGQ LQGVVSWGIGCAQRGYPGVYTK
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UniRef90_UPI0002654725	CQGDSGGP <u>M</u> VAYKNDQYYLIGIVSWGYG <mark>C</mark> AR <u>P</u> GLPGVYIR
UniRef90_H9G5K5 UniRef90_UPI00038C5EE1	CQGDSGGP LVCQKGSTWT LI G IV SWGTTNCN V RTPA I YTR CQGDSGGP LVCQKGNAW VLV G IV SWGTENCN V KAPA V YAR
UniRef90_H2TNW7 UniRef90_V3ZDN5	CQGDSGGPLVSKQGNKWIQSGIVSFGFGCALPNLPGVYSRCQGDSGGPLVCNINNKYTLMGVTSFGNGCAKPYIPGVYTRCKGDSGGPFVCQYEQTWYLQGITSWGEGCARPDRPGVYTR
UniRef90_M3XGZ2	CKGDSGGPFVCQYEQTWYLQGUTSWGEGCARPDRPGVYTR
UniRef90_Q1M2L7 UniRef90_F6YJN1	CQGDSGGPVVSGNT VVGAVSWGMGCARPNYPGVYTRCQGDSGGPVVCNGQ LQGIVSWGIGCAQRNYPGVYAKCQGDSGGPLMCLDDGSWTLIGVTSFGAGCGLPQKPGVYAR
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UniRef90_UPI0003ABC00F UniRef90 G3VBJ1	CQGDSGGPA VCDGE
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UniRef90_E9GKV5	CSGDSGGPLFVQPAPKWIQVGIVSWGVG <mark>C</mark> AEPDFPGVYTR
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UniRef90_H9KGN6 UniRef90_UPI0002741B33	A C Q G D S G G P L MY R S T Q WE V V G I V S W G Y G C G G P S T P G V Y T K
UniRef90_UPI0003511EEA UniRef90_UPI00046C1574	A C Q G D S G G P L M Y R S T Q W E V V G I V S W G Y G C G G P S T P G V Y T K D A C Q G D S G V R A D S K G I W F L A G I V S W G D E C A L P N K P G V Y T R D S C E G D S M V I Q R E D K R F L L A G I I S W G L G C A E P N Q P G V Y T R
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UniRef90_H9GCN7 UniRef90_V8P530	COGDSGGPII IMREWRGOWHII LIGIV VISWGRGCGSPGAPGIVIY TK
UniRef90_I3JIS8	CQGDSGGPVTKNYTDIWLQSGVV SFGDG <mark>C</mark> AEPLKPG V YAR
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UniRef90_UPI0001CE2450 UniRef90_F4WIV3	CKGDSGGPLSCKHNDVWHLVGITSWGEGCGQRERPGVYTNACEGDSGGPLAQNRNIWYLIGIVSWGIDCGKKNKPGLYTKCQGDSGGPLTMSVEGRHVLIGLVSWGIGCGREHLPGVYTN
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UniRef90_Q9N2D1	COGDSGGPILVICRIVING LWILIOAGIVVISWGEGCAILIPNRPGILIY LR
UniRef90_F7FL16 UniRef90_UPI0003C46D99	CKGDSGGPLSCIHNGKWKLVGITSWGDGCGQKDHPGVYTK CQGDSGGPLV <mark>C</mark> KWRGTWVQVGVVSWGHK <mark>C</mark> GLPNFPGVYAR
UniRef90_UPI0003442577	CYGDSGGPLVCKLKHCWYLVGVVSWGYGCGLRNIPGVYAR
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LiniRef00_LIPI00038C5143	CYGDSGGPU VCRVAGSWNU VGVVSWGYGCAURDUPGVVAR
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UniRef90_UPI0002A4C4D7	CQGDSGGPVCQEASGRWFLAGVVSWGRGCGRPDNYGVYTR
UniRef90_UPI0003EDCF8A	CQGDSGGP <u>LVICI</u> LIDMG

QUERY	VT ALVN WVQQTLAAN
UniRef90_UPI0003C8E3D6	V T T Y L S WI Y H H L G S
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UniRef90_UPI0002C679FC	VTEFIPWVRE <u>VM</u> E
UniRef90_H2RL89 UniRef90_UPI0002A4BD7E	V   S E Y E S W
UniRef90_H0Z7M3	V T K L R G W I D S T L E A N
UniRef90_H3D158 UniRef90_L5KQU0	V
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UniRef90_UPI000273DC6F	V T K L I P WX Q K I L A A N V S R Y Q S WI N S Q I S S N
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UniRef90_Q29KI7	V T S L L P WI Y K N L K
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UniRef90_H2TA21 UniRef90_UPI000265270F	CQGDSGGPLVCNSNNRFLLQGVTSWGLGCANPMKPGVYAR DTCQGDSGMCEGEDGRWHLVGITSFGDGCARPNKPGIYTR
UniRef90_C3ZES1 UniRef90_L7M8X6	C E G D S G G P F A A Y D N G R WML L   G   V   S W G D G C A L Q G K Y G V   Y T R C Q G D S G G P L L L P H E G R Y Y V V G   V S S G K D C A T P N F P G   Y T R
UniRef90_Q1L659 UniRef90_UPI000298E39E	CQGDSGGPHITAYRDTHFITGIVSWGEGCAQTGKYGVYTK CLGDSGGPVCQQLSGQWFIAGVTSWGHGCGRTGFPGVYTR
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UniRef90_K7GHR8 UniRef90_UPI0003AB9A5A	STCSGDSGGPLVCDGVLQGI TSWGSGCASLRKPGVYGN STCSGDSG <u>GPLVC</u> DGVLQGI TSWGSQPCALPRRPSLYT <u>K</u>
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UniRef90_UPI0003331EAD UniRef90_B7QBB9 UniRef90_K7J4N5	L R Q G Q V K I I S I D V C N A G Y G G S V L P E M L C A G V P S G A V  H L Q E V R V P L V A N D V C D E S Y R S L V N D D F V C A G Y G G V D A  T P S I L K E V I V P V W P Q E K C V I K F T Q E I I T A K N I C A G D Y G D A C	]
UniRef90_X1X0P8 UniRef90_UPI00026519FE UniRef90_UPI0003F10672 UniRef90 H2LRJ7	S T S L M E V Q I P I S N I T E C K Q I Y S N Y I D D R V L C A G Y P G K D S S R Y L R R V R L T I A S M Q D C G R S H I D I I T N N M F C A D G G R K D A S S S L R E A L V P L V A D H K C S S V Y G A D I S P N M L C A G Y C K A D A S S Q L K E A Y L P V V D H S T C S R W W G S T V K T T M V C A G G G A E S G	
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UniRef90_UPI00046C216D UniRef90_G1TXQ2 UniRef90_F1NGY6	LSYTEI PI VPKN <u>E</u> CAQVMT <u>NTI</u> SD <u>N</u> ML <mark>C</mark> AGSLGKDS	]
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UniRef90_E2BE41 UniRef90_H3DM98 UniRef90_UPI0003F19C26 UniRef90_UPI000203A222	PNIL QEVELIL LEED QV CKNHF RIYNS NI ELCAGDPKKNK PDELQCVDLT LPNKV CANAHPEKVT DVMMCVGHGGKDT TSDLLNAVMVPLIEPALCNHRYNNLITPSMI CAGYGNVDS HLMFVDIPIVDHQKCTAAYGGRVTENMLCAGLEGGGK PSVLQEVSVPIVSNDRCKSMFHEFIPDLFLCAGYEGQDS SPRFLQQTALPLLTPTQCKQYWGNRISDAMICAGASGVSS REARVPLLSADTCKRALGPELHSSMLCAGYGGLDS PMTLQEVNLPLIKWETCNLYYNNPVKADMLCAGYGGLDS PDDLQCVDLFLISNDLCANAHSQKVTEFMICAGGKDT	
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UniRef90_A7C1D2 UniRef90_F2XFT6 UniRef90_UPI000440090C UniRef90_F7D3E0	D S L R H A N V P I T S N E V C N N S Y D G D V K D S M L C A G F K G T D A P T L L Q C L N V P I V D Q Q V C E N T Y P G L I S T R M V C A G Y M E G G K S N V L Q E V E L P I M D D R T C K T M L K G P L G R T M S C A G F P D K D A P W I L Q E A E V F F I D Q K T C D Q N Y Q P S I F D D M L C A G Y G K K D A I L Q E V Q V P I M G N R Q C V A F G S G G I T A N M I C T G E G G K G F	
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UniRef90_UPI00033393A2 UniRef90_Q8IRX5 UniRef90_W4W074	TILIQKIVIKLI QIVIES DI LEUSERH QI YILIH DS QII UA GILIPE GG K	,
UniRef90_W5MER8 UniRef90_H9GXL1 UniRef90_UPI00045E520A UniRef90_L9L318	V L R E A P V L L I N N K V C S DI Y G NI I P R M V C A G Y M G D S I L Q K A E V K V I N D T V C N M V T E G Q V T S R M M C S G Y L S G G V P Y R L Q Q V H I P L E D H E A C E E G Y R E Y I P E D M L C A G S L G R G P V L Q C A N V S V V S E E D C R Q L Y G P V Y H P S M L C A G Q T D S C S	]
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UniRef90_UPI00034F3572 UniRef90_UPI0003C393CC UniRef90_W4Y1Q7	S S A S L Q D T R I P I Q S L D T C K E S F K R T F T D H Y L C A G S L K G D K T S S R L M R I T V P I V N T T T C E K A Y R N P I T P R M L C A G Y T G K D S S E T L Q K A V V N L L D Q E R C D S S Y N G T L T D N M I C A G Y E R G I I R E A R V P L L S P N S C Q R A L G P R L P S S M L C A G Y G G I D S S G I L M E A T V P I V G Y A T C D L N Y G N I T T G M I C A G Y M Q T G G S D T L Q K A T I T L F D E A Q C Q S F Y P D R I T P T M L C A G H L S G E M	1
UniRef90_UPI000359DD5D UniRef90_A0A034VKV2 UniRef90_G3VJM9 UniRef90_E0VGT1	NV L LK T RV PL H N S E R C R A A Y G S F I H R G H L C A G K N G K G G P D I L H C A D V Y L WS O R R C F K A Y P F K I S D G M V C A G S N T G A D	_
UniRef90_F7F8J2 UniRef90_UPI0002657EE1 UniRef90_UPI00042BACCE UniRef90_S4UD01	NILKEVDVPIVSHHQCQALYDFKLHPGFICAGEEGKDASRQLLDAKVKLVSHSQCNQSYDSLVDDSMFCARNPGTDTPKVLQNVKLPIIARENCQQMFMKKIHDYFLCAGYEGGQLTSPTLQEARVNLIDLCNQWYNGRIRSTNVCAGYPEGKLNQUFWYNGRIRSTNVCAGSGGKDA	
UniRef90_B4LJ06 UniRef90_UPI000273AC50 UniRef90_UPI00046B4DAE UniRef90_UPI00045D676D	T S P T L Q E A R V N L I D L C N Q W Y N G R I R S T N V C A G Y P E G K L N Q L E Y V D L R T I S N S Q C S Y Y L G G S V N N G N I C A G S G G K D A S S Y Y L E Q V H V P I V S S E Q C N S I Y G G E V T E R M I C A G D V A Q G G P D R I Q C T D V N I L S T S D C K K L Y Q D K I Q D S M L C A A L P N S T I L R Q A Q V R I I S N N E C N A S Y N G A V L P G M L C A G L P Q G R V S D V L Q Q G R L L V V D Y D T C S S W W G S T V K T X M L C A G G D G V T S D V L Q Q G R L L V V D Y D T C S S W W G S T V K T X M L C A G C V S R D V L Q Q G R L L V V D Y D T C S S W S G S T V K T X M L C A G C V S R D V L Q Q G R L C V D Y D T C S S W S T V V X T D N M S C A G V S R D V L Q Q G R L C V D Y D T C S S W S T V V X T D N M S C A G V S R D V L Q Q G R L C V D Y D Y D T C S S W S T V V X T D N M S C A G V S R D V L Q Q G R L C V D Y D T C S S W S T V V X T D N M S C A G V S R D V L Q Q G R L C V D Y D Y D T C S S W S T V V X T D N M S C A G V S R D V L Q Q G R L C V D Y D Y D T C S S W S T V V X T D N M S C A G V S R D V L Q Q G R L C V D Y D Y D T C S S W S T V V X T D N M S C A G V S R D V L Q Q G R L C V D Y D Y D T C S S W S T V V X T D N M S C A G V S R D V L Q Q G R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R L C V S R D V L Q Q C R	
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iRef90_I7I4B9 iRef90_UPI0003C140FA iRef90_D2A2R7 iRef90_W5ND89	V N H Y L D WI K Q H T G V S V Y T D WI Y N V I L S N V A A L R D F I T E V T G V F H F L D WI S D R I Q G	
niRef90_W3ND69 niRef90_B4KPP9 niRef90_UPI0003C3AAA9 niRef90_P91817	V I K Y V P WI N E QI Q K V A T L R S W V E K T V S N Y L D WI T K L T G	

UniRef90_W8B9S2 UniRef90_UPI00045DDCF5 UniRef90_E9EGP8	1
UniRef90_UPI0002658E73 UniRef90_UPI00032AF689 UniRef90_UPI00027F2835 UniRef90_E9H8J7 UniRef90_K7J8G1	S S S L MMANVS I I Q Q S I C K V S Y G Q G L T G G M L C A G S L L G G T P S V L Q V V N L P I V E R P V C K A S T R I R I T D N M F C A G F R R G D A P E L L R R V S V P V V D R D V C A S V Y S D N S R D D V F C A G P D E G G K V I H E V S V P V V D F E T C Q Q W Y S T T L S E S M I C A G Y G Q K D A P E R L K M A V V K L L S Y E E C Q Q W Y S T T L S E S M I C A G Y G Q K D A P E R L K M A V V K L L S Y E E C Q Q W Y S T T L S E S M I C A G Y G Q K D S S F V L R E A E L N I L R H E Q C R E M I K K K V T R G T V C G Y N Q G K D S S P N L L E V A L P I I S T E N C R S L V G S K I T E N M F C T Y A E N K D A S T N D L M A T S V P L V S K S R C D T N Y T G K I H E S M L C A G Q G G V D S D V L Q Q G L Q P I V D H A T C S R W W G F Q V T N N M V C A G G D G V I S S N T L Q E V N V A V I S N A E C N K Q Y N N R I T E G M M C A G N G G G K D S D V L Q Q G L Q P I V D H A T C S R W Y N G A V L P G M L C A G V P G V D S S N T L Q E V N V A V I S N A E C N K Q Y N N R I T E G M M C A G N G G G K D S D V L Q Q G L Q P I V D H A T C S R W Y N G A V L P G M L C A G V P G V D S S N T L Q E V N V S E E S C S A L Y D F I Y H P S M C C A G G G G W D S D V M R E A K V N R F A P A L C N S W Y N G A V E P N T I C A G Y A E G G W S S N I L Q E V F V N V V E N T E C K K A Y S F M L T S R M L C A A A V T G G G K S D L L Q V L T L P I V D Q N V C K T I F S G T V T E N M L C A G S T G K D T S A Q L Q E V Q V P V L S R A L C K K K Y R E Y I S P S M C A G G D G A R S P D E L Q C V E V Q T V S Q D Y C Q G A F P T D I T D N M L C A G V M G K D S E L Q C V E V Q T V S Q D Y C Q G A F P T D I T D N M L C A G G D G K S E L L Q E V A V P L V S N E D C L T L Y N T V V T D R M I C A G G F E E G E K T T C S S Y W G S T V K N T M V C A G G D G K D S E L L Q E V A V P L V S N E D C L T L Y N T V V T D R M I C A G G F E E G E K T T C T S S T T C T S S Y W G S T V K N T M C C A G G D G K D S E L L Q E V A V P L V S N E D C L T L Y N T V V T D R M I C A G G D G K D S E L L Q E V A V P L V S N E D C L T L Y N T V V T D R M I C A G G D G M S T C T T C
UniRef90_A7RKX5 UniRef90_UPI00038EDF0E UniRef90_V9E651 UniRef90_UPI0002C472A5	P D R L M Q A S V P L V S K S R C D T N Y T G K I H E S M L C A G Q G G V D S D V L Q Q G L Q P I V D H A T C S R W W G F Q V T N N M V C A G G D G V I S S N T L Q E V N V A V I S N A E C N K Q Y N N R I T E G M M C A G N G G G K D L R Q A K V Q I I S N D V C N S S Y N G A V L P G M L C A G V P G V D S
UniRef90_UPI0002C64E75 UniRef90_UPI0004628198 UniRef90_B3MF95 UniRef90_H9JZ78	P N V L Q C V N I S V V S E E S C S A L Y D F L Y H P S M F C A G G G H D Q S D V M R E A K V N R F A P A L C N S W Y N G A V E P N T I C A G Y A E G G V S N I L Q E V F V N V V E N T E C K K A Y S F M L T S R M L C A A V T G G G K S D L L Q V L T L P I V D Q N V C K T I F S G T V T E N M L C A G S T G K D T
UniRef90_W8CBM0 UniRef90_G1KLU7 UniRef90_F6SLR9 UniRef90_N6UTI7	S A QL Q E V Q V P V L S R A L C K I K Y R E Y I S P S M C A S T P G K D S V L Q E A Y L P V V D Y S T C S S Y W G S T V K N T M V C A G G D G A R S P D E L Q C V E V Q T V S Q D Y C Q G A F P T D I T D N M L C A G V M G K D S E L L Q E V A V P L V S N E D C L T L Y N T V V T D R M I C A G F M E G G T P Q T L Q K L K V P I I S S E I C S R L Y W R A I T S D M L C A G Y G K K D A
UniRef90_UPI0003EAD72B UniRef90_G3VRI5 UniRef90_Q5MGE3 UniRef90_B8C6D0 UniRef90_UPI00027F8B5D	S D A L MAVDVNVI S N S D C S D S Y K G Q I T N N M L C A A D K F Q D S
UniRef90_UPI00038724E2 UniRef90_I3JB91 UniRef90_I3KK19 UniRef90_A8CW82	S S V L M Q A P L P V V D H Q I C S S Y W G S T V K T T M V C A G G D G V R S P K T L Q E V N V T T L P H R L C E R R W G Q V I T Q S M V C G V G S H S L P N L Q E V N A P V V G N N E C Q C Y Y E G D I T E N M I C A M L Q A R K D S N S L L T A N V S I I D F N V C N N A Y G N S L R S G M L C A G R M Q G G V
UniRef90_K7J0S8 UniRef90_H2Z0I9 UniRef90_C3ZQT9 UniRef90_F6QKM4	S
UniRef90_B4LF00 UniRef90_V9L2Q5 UniRef90_UPI0003C35B8F UniRef90_H0ZFN9 UniRef90_Q9l8X2	SNDLQKVDLNLIDQKICKDDYPRGITEGQFCAGHGGKDT PKKIKVIAI PFVNSTTCKQSTSFVVTFNMFCAGYDTKDA
UniRef90_UPI0003C111B8 UniRef90_UPI0003F13DA7 UniRef90_UPI000477F624 UniRef90_S9Z0P5	T P N T L Q Q A L L P V V A Q D V C S R Y W G Q Y A K N T M V C A G G G R T S G P D D L Q C I D M K I F K N D V C A K T S I Q K I T E S M L C A G N L E E G K N Q L R K V T V P I V S N S D C S S A Y G G Y Y Q D S M V C A G Y P G K D S T S D V L N A V M V H L L E P W K C N S V Y N N L I T S A M I C A G Y G G V D S
UniRef90_A0A034VKN4 UniRef90_UPl00046B5775 UniRef90_Q104P2 UniRef90_H9G442	N M F C A G Y T D K D A  S S S K L L E I N L E I I S N R E C S R A F T N N V T E N K L C A L D Q N K D A  T S D I I O F A K V N I I P I F I C N S W Y N S K I H F N N I C A G Y O R G G I
UniRef90_F6YRF8 UniRef90_UPI0003447F74 UniRef90_UPI0003C19EB9 UniRef90_Q5M908 UniRef90_C1BVX6	PQILQQAQLSLLSWETCETLYHQDIEYDMLCAGSETADS PDRLQYLPLRVMARATCNRYHDGTLTERMMCGESNRRDT SDTLKEVNITVMNRILCKSNVPKSHKENFICAGGDGKDS PDNLQCVNVTTVSNSDCQACYPSDITDNMLCAGNMAGGK SPVLLGVDVQVVSTVDCKNSYPYNIDSDMICAMGQEKDA
UniRef90_I3J2A6 UniRef90_H3E657 UniRef90_P11214 UniRef90_UP1000225699C	S D T L K E V NI T V M N R L L C K S N V P K S H K E N F I C A G G D G K D S P D N L Q C V N V T T V S N S D C Q A C Y P S D I T D N M L C A G N M A G G K S P V L L G V D V Q I V S T V D C K N S Y P Y N I D S D M I C A M G Q E K D A T V D S L Q V V D V P I V N L E M C K R L W Q N K I P D N V I C A G G Y Y K N K S R Q L K Q A D V P I V D L E T C E K E Y P R K I E D V E F C A G K K G V D S S D R L K E A H V R L Y P S S R C Q H L F N K T V T N N M L C A G D T R H D A T T E E L Q E A E L N I I R Y E R C N E I L Q T Q V K K G M L C G Y N Q G K D A S P T L Q E V Q K N L V S V A T C R A A Y G Q D I T D G M L C G G E A G I D A S R E W L R L A E V P I F N Q E Q C S D K Y R G G V T D R M I C A G Y I G K D A P F T L Q E L E V P L I S P Q T C D Y Y Y H T L I S S M I C A G F P Q K D S K A I L P I V N S T D C R N K Y Y S K I D N S V I C A S N G G K D A
UniRef90_F5B9E1 UniRef90_UPI0003C35761 UniRef90_K7E503 UniRef90_V4B1X0 UniRef90_UPI0003318359	SPIL QEVQK NL VSVAT CRAAYGQDII DGML CGGEAGIIDA SREWLRLAEVPI FNQEQCSDKYRGGVTDRMI CAGFPQKDS PFTLQELEVPL I SPQTCDYYYHT I I SSSMI CAGFPQKDS KAI LPI VNSTDCRNKYYSKI DNSVL CASNGGKDA SKKLMEVEL KVQNEERCKRIYKNYNPTTQL CAGDENEKD SSAL LRDVQI FTI DNDLCRQRYPQRVTENMI CAGL DEGG
UniRef90_Q9NB89 UniRef90_L9JIA5 UniRef90_L8Y0E2 UniRef90_UPI000329F098	SSAILRDVQIFTIDNDLCRQRYPQRVTENMICAGILDEGG PNALQVVNLPIVERPVCKASTRIRITDNMFCAGKGYKPE SPINLQEAEQSIIRFEECNEVLKKKMTKTVCGYNARGKDS SNDLMYTILEVISNEDCAKSYGSSVTSTNICVATPNGSS
UniRef90_B4IUJ1 UniRef90_H8ZZ80 UniRef90_H2TVQ4 UniRef90_T1PB21 UniRef90_H3DLM8	S S A L L R D V Q I F T I D N D L C R Q R Y P Q R V T E N M I C A G L D E G G P N A L Q V V N L P I V E R P V C K A S T R I R I T D N M F C A G K G Y K P E S P N N L Q E A E Q S I I R F E E C N E V L K K K M T K T V C G Y N A R G K D S S N D L M Y T I L E V I S N E D C A K S Y G S S V T S T N I C V A T P N G S S N L L R T V T V P I I H R K N C R A A Y Q P K I T D S M I C A A V L G R K D P S A L Q G V N V Q I V S Q S T C S S A Y G G S I T D R M L C A G V T G G G K P E T L Q Q L Q L P I V L Q S V C K E K Y P E L T D N M L C A G D M G K G P P T T L Q Y V S V H I V S Q S Q C S S S Y G S E V K S T M I C A Y A T G K D A S A Q L K Q A Y L P L V D Y T N C S D W W G S T V K N N M V C A G G A A E S G L S C S R V T L L S P K E C E V F Y P G V V T S N M L C A G L D Q G Q D T S P I L K R L T I P Y V E R R T C M E S T S L R I S A R M F C A G Y D E K D A P W I L N Q V D V P Y V L R A T C Q N L G G D Y I G D D A I C A G F S G K D S P D D L Q Q G L L V V D Y A T C S K W W G T T V K R T M V C A G G D G I I S N V L Q K V D V K L T D Q A T C T K P Y T N I S P R M I C A G Y R K K D S
UniRef90_H3DLW6 UniRef90_UPI0001796AD7 UniRef90_Q804W9 UniRef90_C9P712 UniRef90_UPI00039581E8	T S PI L K RL T I P Y V E R R T C ME S T S L R I S A R M F C A G F S G K D S P D D L Q G G L L L V V D Y A T C S K WWG T T V K R T M V C A G G D G I I S
UniRef90_V9KG44 UniRef90_K7FME4 UniRef90_UPI000395C516 UniRef90_S4RVB8	PKTLQQLEVPLTGTEPCRCLYPHVIQEDMMCAGFGKKDA SSDTTQFAKVHILINVQTCNFWYQGDVHSHNTCAGYPFGGT
UniRef90_Q05589 UniRef90_UPI000371F652 UniRef90_UPI0003AB9936 UniRef90_G3H0K5 UniRef90_H2N8Z6	CVY I TV L GK H S C R N S Y P G D I T N N M I C L G Y L E G G K S D E L K M T F V S L V S H E V C Q Q Y Y G A E V T D K M L C A A Q W E T D S L L K A Q V P F V S D A T C R Q A Y G N L I A N E E I C A G Y N Q G G T P P G L M E A E V R V L D L D V C N S S W K G H L S R T M L C T R S G D R H R P S K L Q K V N V D L F R W E W C N H A L P L I T K N M L C A G G D G V L C
UniRef90_Q17CJ3 UniRef90_T1GRG8 UniRef90_E9FZW0 UniRef90_UPI0003317774	P P G L ME A E V R V L D L D V C N S S WK G H L S R T M L C T R S G D R H R P S K L Q K V N V D L D V C N S S WK G H L S R T M L C T R S G D R H R P S K L Q K V N V D L F R WE W C N H A L P L I T K N M L C A G E D G K D A P D D L Q Q G R L L V V D Y A T C S S WWG S T V K T N M I C A G G D G V I C S D T L Q R A L V D V F R N E D C E S F Y P R A I A K T Q L C A G K R T G G V P N H L I E V E L K L V D A K E C A S R Y G R R L E S N M V C A V A K G K D A S D Y L R F A Q L S T V S D A K C R K S H G R F F N E H M F C A F K E G Q D T P W V L Q E V E L K L L G E A A C Q C L Y S R Q L L P G M L C A G Y P R R D T P Q Q L Q H V D I N L I N Q E I C A E R Y W P D I T D N M L C A G I L D V G G P T V L Q Q V V N L P V F R P V C K D S T R L T F N M F C A G Y P G F G K
UniRef90_Q9NB77 UniRef90_D0M5V6 UniRef90_UPI0003C12253 UniRef90_E4XZI9	SPNEL QSLRVPI i DSDLCSTYGGDI PEWEITCAGYGGKDS
UniRef90_Q7RTY5-3 UniRef90_UPI000334452C	L Q E A E V P I I D R Q A C E Q L Y N P V I K E D K I C A G Q N M K D S L Q E A Q V P L L S Q E L C S A V H G S S F V P G M L C A G F L E G G T

	50 60 70 80
UniRef90_W8B9S2	DSCQGDSGGPLVCDNE LVGIVSWGNGCAQPGFPGVYSN
UniRef90_UPI00045DDCF5 UniRef90_E9EGP8	C E G D S G G P F V M K F N N R W Y Q M G I V S W G E G C D R D G K Y G F Y T H D A C Q G D S G G P A F E A G T G V L V G V T I G G L G C A R A G Y Y G V Y T R
UniRef90_UPI0002658E73	CQGDSGGPLICRSEADWFVAGIVSWGIKCAQPHLPGVYTN
UniRef90_UPI00032AF689	CQGDSGGPII VICSKFGRMTII IT GII VISWGSG <mark>C</mark> AIVIKYKPGIVIYTR
UniRef90_UPI00027F2835 UniRef90_E9H8J7	CQGDSGGPLVCELNGTWFQVGIVSWGVGCGRKGYPGVYTE CQGDSGGPLNWIDPQTGYIVGITSFGLGCAKLNTPGVYTK
UniRef90_K7J8G1	KDSCQGDSGGPLSANN TLYGI VSWGYGCAQPKFPGVYSN
UniRef90_A7RKX5	CQGDSGGP <u>VC</u> EDTNGRWHLEGV <u>T</u> SWGYG <mark>C</mark> AAPRMY <u>G</u> VYAS
UniRef90_UPI00038EDF0E UniRef90_V9E651	A
UniRef90_UPI0002C472A5	SCNGDSGGPLVTSDD TLIGFVSWGGKCGV HAGVYTRCQGDSGGPLVQQDSRRWFLVGIVSWGFQCGLVDKPGVYTRKDSCKGDSGGPVVCNGYLQGLVSFGHAQCGQPYLPSVYTN
UniRef90_UPI0002C64E75	KDSCKGDSGGPVVCNGYLQGLVSFGHAQCGQPYLPSVYTN
UniRef90_UPI0004628198 UniRef90_B3MF95	DSCQGDSM <mark>C</mark> KENESQPFWVIGTTSWGKG <mark>C</mark> GEAHHPGVYTS DACQGDSG <u>GPLVLN</u> K ELLGIVSWG <u>T</u> GCA <u>R</u> ETKPGVY <mark>C</mark> S
UniRef90_H9JZ78	CKGDSGGPLVYNNV QIGIVSWGLKCALPNYPGVYTR
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UniRef90_F6SLR9	CQGDSGGPLVCNSMVHGI TSWGNTPCGVANKPGIIYTK
UniRef90_N6UTI7	D A <mark>C</mark> A G D S G G <u>P L                               </u>
UniRef90_UPI0003EAD72B UniRef90_G3VRI5	D T C T G D S G S C Q E P S G R WF L A G V T S W G R G C G R N G F P G V Y V R C L G D S G G P L M C Q V N G S W L L A G I I S W G E G C A E R D R P G V Y L S
UniRef90_Q5MGE3	CKGDSGGPYCRPDTNQYFIVIGIVVISNGYGCGFFFPPGII IYTR
UniRef90_B8C6D0 UniRef90_UPI00027F8B5D	CQGDSGGPLITPGNGASSDVQVVSWGFGCASANFPGVYAR WKGDSGGPLVCKKRGTWLQAGVVSWGFFSDRPSI GVYTR
UniRef90_UPI00038724E2	GCQGDSGGPLHCAVNGQYQVHGVASFVGCNVKNKPTVFTR
UniRef90_I3JB91	GCQGDSGGPLHCAVNGQYQVHGVASFVGCNVKNKPTVFTRQGFCSGDSGGPLVCDGDAAGVISFSGRRCGDPQTPDVYTRSCQNPGGPLMTKTGFAWVQSGVVSTDDGCAQPVRPAVFTR
UniRef90_I3KK19 UniRef90_A8CW82	S
UniRef90_K7J0S8	<u>D</u> S <mark>C</mark> A G D <mark>C</mark> K <u>D P E</u> K S D H P W T <u>L F G L T S F G E G <mark>C</mark> G K R G K Y G </u> L Y A R
UniRef90_H2Z0I9 UniRef90_C3ZQT9	C Q G D S G G P L V C A D N S S K F Y L H G I T S W G D C A E L E Q P G V Y T R C Q G D S G G P L V C Q D G V T W Y L V G V T S W G D G C G Q P N K P G I Y A D
UniRef90_C32Q19 UniRef90_F6QKM4	SCNGDSGGPLNCPAENWEVHGLVSFGSGCNVVKKPSVYTR
UniRef90_B4LF00	CSGDSGGPLVHKDGDINYLIGATSFGLAG <mark>C</mark> ERNYPAVFTR
UniRef90_V9L2Q5 UniRef90_UPI0003C35B8F	DACQGDSGGPLVCTPRWRLCGIVSWGTGCALAKKPGVYCR CQGDSGGPLHPEFNCVKFVLGITSFGKFCAAPNAPGVYTK
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UniRef90_UPI0003F13DA7	DICLIG D'S G G P L V C N G V L Q G I   MS S N H Y P C G K L G L P A V Y T R
UniRef90_UPI000477F624	CQADSGGPLVINGR LVGIVSWGSGCAQPNAYGVYTR
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UniRef90_UPI00046B5775	CKGDSGGPHATRYRGTWFLTGVVSWGKGCAASGHFGVYTR
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UniRef90_F6YRF8	COGDSGGPIISCOILKDRWVIIGGVVSWGFIVCGAPNRPGIVYAN
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UniRef90_UPI0003C19EB9 UniRef90_Q5M908	DTCIVIGDSGGPILVI <mark>C</mark> NGEILIHGII TSWGDYIVI <mark>C</mark> GSPNKPGII IFAK
UniRef90_C1BVX6	CKGDSGGPII VICQGGIVI II ICGIV VISWGYSCGNPSFPGIVIYIVIK
UniRef90_I3J2A6 UniRef90_H3E657	CQGDSGGPVVSRDTTGWFQYGIVSWGKGCAEQGEAGVYSR
UniRef90_P11214	CQGDSGGPILVI <mark>C</mark> MII INKQMTILITGII I ISWGILIG <mark>C</mark> GQKDIVIPGIVIYTK
UniRef90_UPI000225699C UniRef90_F5B9E1	CQGDSGGPLACEFNETWVQVGIVSWGLGCGRKNYPGIYTE
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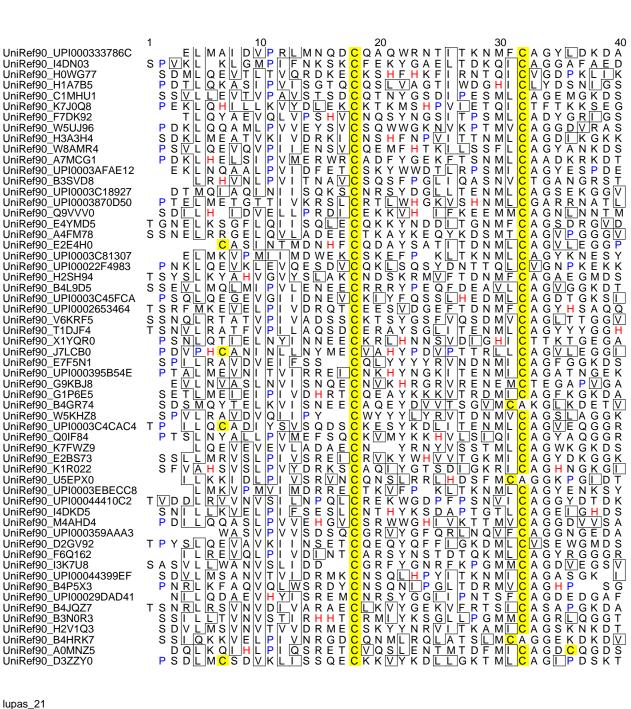
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UniRef90_UPI00046B0F18	V I N Y I P W I E T I I D N
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UniRef90_UPI0001D54A6A	V V H Y WK WI K D T I T A N
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UniRef90_B0W774	V <u>L</u> A <u>LK</u> SWVESK <u>M</u> G
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UniRef90_UPI000258EE56 UniRef90_H3CCR9	VAAYSDWI SSKTG TSPFEPWI SD
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UniRef90_UPI00038EC77F UniRef90_UPI000332F5C6 UniRef90_UPI00033405A2	PSDLQCALIPVVSKQYCKYVLRSKYHDSMFCAGIDNGQD KITCSRVTIISSKQCFVFYPGVITNNMICAGIDNGQD
UniRef90_UPI00034F9F45 UniRef90_UPI000398EE7E UniRef90_Q3SYP2	SKYLQYAAVPLIDSNV <mark>C</mark> NQYYSGAIITPSMI <mark>C</mark> AGYGGVDT
UniRef90_D6WN54 UniRef90_A0A034WLV7 UniRef90_E1ZWT7	SNTLQYVNLSEVSDEECKITYGDQVAENMVCFGNYNEGT PATALYVDLEIWSRRKCQS YRNFYAPSLLCAGVPD DP PNCLQQI_LKGYSQKECNRHYENNIRKTQICTRTEQGEG
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UniRef90_UPI0003BCFB9B UniRef90_B0X668 UniRef90_UPI0003AE286D	DIV L QEAQVHLI DILQLCNS WYGGAI HSHNV CAGYPQGGI EVLQQG QPI VNHTTCSRWWFIKVRETMV CAGGDGVIS SNTLQYVNLSEVSDEECKITYGDQVAENMV CFGNYNEGT PATALYVDLEI WSRRKCQS YRNFYAPSLLCAGVPD DP PNCLQQI I LKGYSQKECNRHYENNIRKTQI CTRTEQGEG SPTLQSVRVPVVSDQTCSSEESDYDATSMV CAGYPNGGR QLQTVSIPI VSKELCNKAYAGGISEGQI CASYYEIG LQEAELSI LRYERCNEVLKEKMESRI CGTSPTGKDA SASVLQMAEI LIFSSRLCNLLLYYRVTDNML CAGFLSGGV ELRAVNVTVQPTTQCNGAYHGSLLPGMLCAGFMSGKA
UniRef90_X5MNU9 UniRef90_T1DEQ6 UniRef90_T1E9N4	PDTLQWVELTI LSNTECAELLGSPLNDNNLCTGPVNEGI
UniRef90_M3XRD2 UniRef90_Q5MPC9 UniRef90_E9FZZ2	SPNILQKGLVKII NNKTCNSVYGHVII PGMLRVGFLKGSV SSVLLSVSLPILSKDECETAYKGTVSDKQLCAGGVRDKD SDVLRHATITVVDNKQCKKIDDDFLAPSTICAYAEGODA
UniRef90_Q5E9Z2 UniRef90_B4JRF7 UniRef90_I6WTR7	SRHL IDAKVKL I SNTICNSRYDHSI DDNMI CAGNPGQDS SDVL LQASVPI QSRSTCSQAYRREVLHTQLCVGCKGDSG TSFWI QKAPVI TISNFDCLQRUPYPI AQDHI C. GWYGFGV
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UniRef90_H9J268 UniRef90_G3SX87 UniRef90_I4DN02	S T E RL MAVNVTI VAMSSCNSSYDGEL VPGMMCAGEPGGGK I L KK L E L P V MPRAECQTALRTTL HSSFI CAGGEKGRD SPNI L QKGL V KI I NNKTCNSVYGHVI I PGMLRVGFLKGSV SSVL L SVSL PI L SKDECETAYKGTVSDKQL CAGGVRDKD SDVLRHATLTVVDNKQCKKLDDDELAPSTL CAYAEGQDA SRHL L DAKVKL I SNTI CNSRYDHSI DDNMI CAGNPGQDS SDVL L QASVPI QSRSTCSQAYRREVLHTQLCVGCKGDSG T SEWLQKAPVLTLSNEDCLQRI PYPLAQDHL CGWYGEGV PYYLQCAI I PVVSEEDDCRFELKPSYHDSMFCAGAEGRMD KLQQLEVPI I LSEECNKYYASRVTERMLCAGFPGACK PENLMEI EI PI VDSDTCQKAYKKNVTKDMVCAGEKGKDA SEQLRHVQVWVVNQSVCRSRYGGNI TNNML CAGWLDVGG SNILLKVELPI FSKSSCNTFYKGISKTNTFCAGETGHDS
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UniRef90_F7HD23 UniRef90_UPl0003597859 UniRef90_U4U8L7	D L L Q Q A M M P I V A H S T C N G Y W W N L I T P R M L C A G H W D G H Q D R L R E V Q L R V Q R D E Q C F R T Y R A Y N S R T Q L C V G D P R E R K T L K E V N I T K I D S Q R C N D L W D G A V T D K H I C V H D A S R P S S P S R L H V V S V P W I S N E S C N Q Y Y P S R V S Y S M M C A G Y G G R D A
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UniRef90_P04187 UniRef90_B4PFE7 UniRef90_Q2A6L4	DALREAV V PV VS A K E C E RAY PLTVT S N ML CAGY E RGKIS N TLQEVELT V QK D RECESY F K N Y N K T N QL CAGD P K T K R V L GS A E L PI L A D N V C K Q S Y G S A M S E G M F C A G S M D E D A S D T L QEVELT V QQ D R E C E S Y L R N Y Y N S T QL C V G D P K E K K L L K A T V P F V S D E S C G S S Y P E L V A S E E I C A G L P Q G G V N L E E A T V D V L P Q D C C Q Y V W S N V I D P S M L CAGT G I S G S S E B V K P G Y V B I W P K E P C V P I S G R T V T S N M L CAGT G I S G S
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UniRef90_G6DRQ7 UniRef90_UPI0003956E3E UniRef90_C9W8F8	SPHL TYVEL VVI DNRKCKDAFAKLI TENML CAGEEGKDS HMQVAQLPVLENSKCRRVYERVI DERVMCAGVTGKDS DILQQAKVQYVNNQI CNSWLDGYI YDFNVCAGQGGIGT PNQLSYVDLPVI SNEVCAQTFGGFVLPSNVCTGEGGKNI
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UniRef90_M0QRU2 UniRef90_H2MMT3 UniRef90_H3A3R6	PLRVREAEI PI VS DAECIRKVNAVTESSFCAGGEQGNDASEQLKEGHVRLYPSSRCAPLFNKTVTNNMLCAGDTRHDASPVLRAVDVREIPY CNWYYWGRITENMLCAGYGGKDSSNELLEAEVELFSNAKCQELMQTSITERMICAGQLEGGVLQEAELVVASNAKCDKKNGELLPASMVCAGGPGRGGPYRLQEVRVRVVENAVCDPQYHEALQDDVLYAGRESCDS
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UniRef90_Q5C8V5	CQGDSGGP LI MEFGKTSY VV G V TSFG L GCAG GPPS I YTR
UniRef90_Q16G08 UniRef90_H5XQM4	CQGDSGGPLHVIDTEMKS <u>ENVH</u> VSWGEG <mark>C</mark> AKPNYPGVYAR DACQGDSG <u>PLLV</u> DG TV <u>I</u> GIVSWGAG <mark>C</mark> AEPGTPGVYTR
UniRef90_H3XQW4 UniRef90_G3W9G7	CCNCDSCCDI NCENCA WEIVIP CIL VIS E CSCCNT A K K D TIVIE T P
UniRef90_H9K368	CQGDSGGPLVVDGN LVGVVSWGMGCGTPKYPGVYTD
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UniRef90_W4FET4 UniRef90_K7F230	CEGDSGGPLVCDGL LQGVVSWGTDVCALPKRPGVYAR
UniRef90_F6YAK5	CEGDSGGPLVCDGI LQGVVSWGTDVCALPKRPGVYANDTCQGRGMCNNSEERAYVVVGITSWGVGCARAKRPGIYTACNGDSGGPLVMKSGESYKQVGVVSYGTAFCASNNPDVYTR
UniRef90_Q9VGB9 UniRef90_F6YR04	CQGDSGGPILVICEILINGIVIWIVIQIVIGII VISWGII IGCGRKGYPGIVIYTE
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UniRef90_T1DEQ6 UniRef90_T1E9N4	TCKGDGG <mark>C</mark> PIPGSVNHYYQAGMVAWGIG <mark>C</mark> GEDGIPGVYVN
UniRef90_M3XRD2	DACQGDSSGPILIKGTW  VIFAGTIVIKTILIPNKPGIVIYTR
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UniRef90_Q5E9Z2	CQGDSGGPILIT CEKDGTSYII IYGII VISWGILIE CG KRPGIVIYTQ
UniRef90_B4JRF7 UniRef90_I6WTR7	GPLQAPALYLDEYKLRMVVFGI VSQGKSCGQISLPGLYTN GFCDGDSGGPLLLNGE IVGVVSMGYACG SGLPDLYTR
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UniRef90_F7HD23	TAFRGDSGGPLVCRNA AHGIVSYGSQTATP PAVFTR
UniRef90_UPI0003597859 UniRef90_U4U8L7	T S C N G D S G G C P M P N G E Y R Q A G I V S F G V G C V G T F K P T V Y A K T A F R G D S G G P L V C R N A A H G I V S Y G S Q T A T P P A V F T R A C M G D S G G P M M C G P R H N I L A G V T S W G E R T C S G N Y P S V Y T R C Q G D S G G P L V V D N V L I G I V S W G R G C A L A G F P G V Y A Y
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