June 890 June 900	OHEDY	1 10 20 30	40
JIRR890	UniRef90_UPI00042C54C7 UniRef90_UPI000333AC1C	K E S P A M K F Q R Q H M D S G S S P G N N S N Y C N Q M M M R R K M T Q G F K E T P A M K F Q R Q H M D P G S S P S S N L N Y C N Q M M V Y R N M T R G F	R <mark>C</mark> R C
JAMESSON BOTTOMS NESSON BOTTOMS	UniRef90_UPI000334597A UniRef90_Q9BEC3	KESRALKFQRQHMDPGNFP NNPTYCNLMMRRRNMTQGF EETSAEKFERQHMDADSSPASNSNYCNLMMKSRSMTDF BESOAERFWROHMDTGNSSESNSTYCNLMMRPRNMTGG	R C R C
JAMESSON BOTTOMS RESPONSE RE	UniRef90_UPI0002C65ADB UniRef90_Q8VD89	ESÄÄMKFERQHÜDSDGTSSSSSNYCNOMMMRRNMIQGV RETPAQKFERQHMDEEGPFPSSPTYCNEMMKSRGMTSGV	W <mark>C</mark>
JRR890	UniRef90_S9WIY7 UniRef90_P07849	KESPSKKFQRQHMDSGNSPGNNINYCNQMMKRRKMIRG\ KETAAAKEERQHMDSSTSSASSSNYCNQMMKSRSMTQNE	W C
June 890 Deproto 900000000000000000000000000000000000	UniRef90_D255M6 UniRef90_Q9BEC1 UniRef90_D2HYD0	RESAAAKFRRQ <mark>H L</mark> DAGNSS N	R C W C
Junkelgo Dybloods22325 K ES R AM K F Q R O H M D S D S N D T N N Y G R B Y G N E M M R R R O M T D G R C D D D S N S D S N D S	UniRef90_UPI0003F10D80 UniRef90_P67929	KESPAMKFQRQHIDSDSPPSIDSSYCNQMMRRRNMTKGV ETAAEKFERQHMDSYSSSSNSNYCNQMMKRREMTDGV	W <mark>C</mark> WC
Junkengo, UP100045E2335 KESPAKEFORGO MM DSENSASSEN CNOMM KRRN MM TEGRE Junkengo, WOUTZ Junkengo, WOUTZ JUNKengo, WOUTZ JUNKENGO, SWYDOO KESPSKERFORGO MM DSENSASSEN SY VERNEM MK KARN MT TO GEC JUNKENGO, WOUTZ JUNKENGO, WOUTZ KESPSKERFORGO MM DSENSASSEN SY VERNEM MK KARN MT TO GEC JUNKENGO, WOUTZ JUNKENGO, WOUTZ KESPSKERFORGO MM DSENSASSEN SY VERNEM MK KARN MT TO GEC JUNKENGO, WOUTZ KESPSKERFORGO MM TO SENSASSEN SY VERNEM MK KARN MT TO GEC JUNKENGO, WOUTZ KESPSKERFORGO MM TO SENSASSEN SY VERNEM MK KARN MT TO GEC JUNKENGO, WOUTZ KESPSKERFORGO MM TO SENSASSEN SY VERNEM MK KARN MT TO GEC JUNKENGO, WOUTZ KESPSKERFORGO MM TO SENSASSEN SY VERNEM MK KARN MT TO GEC JUNKENGO, WOUTZ KESPSKERFORGO MM TO SENSASSEN SY VERNEM MK KARN MT TO GEC JUNKENGO, WOUTZ JUNKENGO,	UniRef90_Q9QYX3	KESSAMKFQRQHMDSDSIHISNPSYCNEMMQYKNMIKGF KESSAQKFERQHMDSSGSSNNSPTYCNQMMKSRSMTKES KESRAMKFOROHVDSNIITN YGRNYCNEMMRRRQMTDGG	S C R C
Junkergo, Wouttiz RESK AM KF QR QR HM DS HP AA ALSA S Y CONL MM KR RN MM TO GW CONLINE CONTROL OF	UniRef90_UPI00045E2325 UniRef90_F6RFY4	KESPAMKFQRQHM DSDSLPSSSSY <mark>C</mark> NQMMRRRNMTEGV KESPSKKFQRQHMDPENSASDDTKY <mark>C</mark> DHMMKARNMTKGF	WC RC
Junkeledo Delegedo Piedella	UniRef90_W0UTI2	RESKAMKEOROHMDSHPAAII ISAS Y <mark>C</mark> NII IMMKRRNMTDGV	W C
Junice 30 O O O O O O O O O O O O O O O O O O	UniRef90_Q8VD90 UniRef90_P16414	KESPSEKFKRRHMDEEGPYQSSPTYCNQMMKDRGMTSGF KESSAEKFLRQHVDSLDSPGNSPTYCNQMMLRRNMTKGS	R C S C
Junice 30 O O O O O O O O O O O O O O O O O O	UniRef90_Q19NY6 UniRef90_P00669 UniRef90_P00685	KESQAEKFQRQHMDSGSSFSSSSIYUNQMMKRRNMIQGV KESAAAKFERQHMDSGNSPSSSSNYCNUMMCCRKMTQGF KETAAMKFQRQHMDSGSSUSSSSDYCNKMMKVRNMTQES	K C S C
Junice 30 O O O O O O O O O O O O O O O O O O	UniRef90_Q80T16 UniRef90_Q9WUS1	KETSAQKFLRQHVDSGGSPSSGTSYCNQMMRARNMTQSF RESSAHKFRRQHMDSEGSSSSSPTYCNQMMQRRKLTRGF	R <mark>C</mark> H C
JAIRGESO , GRESOW B. JAIRGESO	UniRef90_Q9WUV5 UniRef90_Q9WUV5	KETSAMKFER HDVDSDSSSSSPTYCNQMMKRREMTKGS	s C
Junkeley 0. WOLV144 K E S. R. S K K F J. R. P. H. D S N T S N S N Y C D D M M K R R K M T J. G R C Junkeley 0. WOLV244 Junkeley 0. WOLV242 Junkeley 0. Jenes 0. Je	UniRef90_F6K3W6 UniRef90_M1KTX2	KESWAMMFQRQHMDPDG PSNDSNYCNQMMRRRL <u>I</u> MTEG <u>L</u> QETPAERFQRQHMDSDGNPNNNPNY <mark>C</mark> NQMMRRRRMTEGF	L <mark>C</mark> R C
Jinker90 J0100042C2595	UniRef90_W0UVH4 UniRef90_M3Z828	K	R <mark>C</mark> F C
Jurike90 Q8VD83 Jurike90 L5LCS8 Jurike90 L5LCS8 Jurike90 L5LCS8 Jurike90 L5LCS8 Jurike90 UP1000242C5855 Jurike90 S9WKD1 Jurike90 S9WKD1 Jurike90 S9WKD1 Jurike90 S9WKD1 Jurike90 UP1000338598 Jurike90 UP100038598 Jurike90 UP100038598 Jurike90 UP100038598 Jurike90 UP100038598 Jurike90 UP	UniRef90_Q861W3 UniRef90_B3EWJ0	ETAAEKFQRQHMDTEHSTASSSNY <mark>C</mark> N L MMKAREMTSDF	R C
Junice90 L5LCS8 Junice90 L5LCS8 Junice90 UP10002C68149 Junice90 S9WKD1 Junice90 S9WKD1 Junice90 WOUDUY9 Junice90 WOUDUY9 Junice90 WOUDUY9 Junice90 WOUDUY9 Junice90 WOUDUY9 Junice90 UP100033859B Junice90 UP100033859B Junice90 UP100044C9375 Junice90 UP100044C9375 Junice90 UP100044C9375 Junice90 UP100044C9375 Junice90 UP100044C9375 Junice90 WOUDU99 Junice90 UP100044C9375 Junice90 WOUDU99 Junice90 UP100044C9375 Junice90 UP100044C9375 Junice90 UP100044C9375 Junice90 UP10004AC9375 Ju	UniRef90_Q8VD83 UniRef90_L5LR21	K E S S P D K F K R Q H M D T E G S S K S S P T Y C N Q M R S P Q E M T K G S	S C
Juriker90VEVENDTO_ Juriker90SWWD11 Juriker90SWBD11 Juriker90	UniRef90_L5LC58 UniRef90_L5LC58	RYRHFLDQH <u>Y</u> DAN <u>P</u> RGRNN RY <mark>C</mark> D <u>T</u> MMRRRG <u>L</u> T <u>S</u> P	C
Junike190	UniRef90_UPI00042C5B55 UniRef90_S9WKD1	QDRMYQRFLRQHVDPDVTGGNN NYCNLMMRRRQMTSPC QEFLSKHHDANPR GRDDRYCETMMRRRGLTSP	Q <mark>C</mark>
Jurikergo UP1000333859B	UniRef90_W0UUY9	QDRMYQRFLRQ <mark>HV</mark> DPQVTGGND YY <mark>C</mark> NLMMQRRRMT <u>S</u> PF	R <mark>C</mark>
Juriker90	UniRef90_UPI000333859B UniRef90_A0ESA4	PFQWFEIQHIQPNPLP KETRAEKFQRQHMDPNTSTVTSS YCNQMMVRRNMTAGV	R <mark>C</mark> W C
Junker90	UniRef90_UPI0004406375 UniRef90_L5MDQ0 UniRef90_UPI0004444D98	FTRYFKFOROHVDSTVRSG DNGY <mark>C</mark> NKTMOTŌGMT[[NF	F C
Jurikef90 _ G1ST65	UniRef90_M1LVQ1 UniRef90_W0UVB9	I SAQWEEII IQHIVIQPSPQA CNSAMGKII INKDKKI	NC
Juire G1ST65	UniRef90_F7E3J5	O F T G A M K F K R O H M D S N S N P N N N P N Y C D F M M R R R K M T O G F	R C N C R C
Juiref90_Woutt7	UniRef90_G1ST65 UniRef90_G3VRS4	ESPAKKFQRQHIDPK LPLSSTYCNKKMEQQDMTQG FTPAFRFFRQHVDSGHRDINDNKYCNIMMRNRGMTKGS	S C
Junikere90_UP1000443D996	UniRef90_UPI0003F0EF97 UniRef90_W0UTI7 UniRef90_H0WX00	ETMYERFLIRQHIVIDFPATGGTN LYCNKAMNRVNSY I HF ETMYERFLIRQHIVIDFPATGGTN LYCNTMMQRRGMTTPS MYQRFLIRQHIVIDIQIVITSG DDRYCNVMMQRRRMTII RO	S C Q C
Juiref90	UniRef90_UPI000443D996 UniRef90_UPI00033186E0	MYQRFILIRQHIVIDPSIVISGGND GYCNIVIMMQRRKMII IRPIV	V IC
Juiref90_UP100033331DB	UniRef90_Q9BEC2 UniRef90_UPI00038E9E1E	K F P A A IV IK F R W Q H T D S G S S P S S S S N Y C N II IM T II I <mark>C C</mark> K M T Q R (Q <mark>C</mark> R <mark>C</mark>
Junikef90_UP100045DEBC4	UniRef90_S7MLM2 UniRef90_S7MLM2 UniRef90_UPI00033331DB	TKAQWFEIIQHIIQPSPLQ TKAQWFEIIQHIIQPSPLQ MYORFIIROHVDPSNRGGTNS	H C
Junikef90_UP100045DEBC4	UniRef90_G3VW07 UniRef90_M3Z6E5	DRRYQKFLRQHVD PESDGGDATYCNQMMHRRRMTVPF KESQAEKFQRQHMDPNTSTVTAS YCNEMMKRRSMTVGF	R C
Juniker90_L5k8k8	UniRef90_UPI00045DEBC4 UniRef90_F6ZXU1 UniRef90_I3LHY8	TRAQWFEVQHIQLSPLQ TMYQRFLRQHVDPEGENGGDATYCNRMMQARKMTAQF TSAQWFFTQHVDPRPQG	H <mark>C</mark> R C R C
Juniker90_UP10003F1039B	UniRef90_L5K8K8 UniRef90_L5LLG3	RYQHFILII QHRDANPS GRDKKYCESMMAKRGMI I P	C
JniRef90_W0UV16 T K A Q W F E Q H Q P S P Q C N K A M H G V N N Y T R H C JniRef90_A0ESA6 K E S Q A E K F Q R Q H M D P D T S T V T S G Y C N Q M M K R R N M T V G F C JniRef90_S7MPI6 E T R Y K K F Q R Q H V D S T E K G G N S S Y C K K M M Q E R G M T K S R C JniRef90_P04061 E T R Y E K F L R Q H V D Y P K S S A P D S R Y C N Q M M Q R R G M T S P V C JniRef90_Q8VD99 K R Q H M D S D S P S K S S P T Y C N V M M S G R N M T K D S C JniRef90_G1TY93 T S A Q W F E T Q H V Q P T P Q P	UniRef90_UPI0003F0822C UniRef90_UPI0003F1039B UniRef90_UPI000333C759	MYQRFILLQHVIDPISIGGNDILLYCNIMMQRRKMIIHF TPFQKFQILQHVIQPNPHP CDQAMIIAVINSLITKF	H C R C
JniRef90_S7MPl6 ETRYKKFQRQHVDSTEKGGNSS YCKKMMQERGMTKSRC JniRef90_P04061 ETRYEKFLRQHVDSTEKGGNSS YCKKMMQRRGMTKSPVC JniRef90_Q8VD99 KRQHMDSDSPSKSSPTYCNVMMSGRNMTKDSC JniRef90_G1TY93 TSAQWFETQHVQPTPQP	UniRef90_P81649 UniRef90_W0UV16	TRAQWFTIQHIQPSPLQ CNKAMNGVNNYTWI	H C
UniRef90 G1TY93	UniRef90_A0ESA6 UniRef90_S7MPI6 UniRef90_P04061	ETRYKKEOROHIVIDSTEKGGNSS Y <mark>C</mark> KKMMOERGMTKSF	R C
U-D-100 DADTOO TIVAD WEED OUD IN 10 D WE I O D W	UniRef90_Q8VD99 UniRef90_G1TY93 UniRef90_G1ST62	KRQHMDSDSPSKSSPTYCNVMMSGRNMTKDS TSAQWFETQHVQPTPQP CNSAMSRINQYTKO TKARWFEIQHIIQP NLLQCNRAMRGVNNYTQH	Q C

QUERY	50 60 70 80 K P V N T F V H E S L A D V Q A V C S Q K N V A C K N G Q T N C Y Q S Y S T M S	
UniRef90_UPI00042C54C7 UniRef90_UPI000333AC1C	K P V N T F V H E S L E D V K A V <mark>C</mark> F Q K N I P <mark>C</mark> K N G Q T N <mark>C</mark> Y E S N S T M H	
UniRef90_UPI000334597A UniRef90_Q9BEC3 UniRef90_UPI000334555F	K PIVIN T FILIH E PILIA DIVIQ AIVI <mark>C</mark> S Q T NIVIA <mark>C</mark> K N G Q T N <mark>C</mark> Y Q S K A A M R	
UniRef90_UPI0002C65ADB UniRef90_Q8VD89	K A V N T F V H E T L E D V Q A V C L E R N I T C K N K Q N N C H Q S N S T M N K L L N T F V H E P L A D V Q A I C F Q E N V I C K N G Q S N C Y Q S S S S M R K S M N T F V H E P L A T V Q A I C S Q G Q V T C K N G R N N C H K S S S T L R K P V N T F V H E S L E D V K A I C S E K N I T C K N G Q Y N C H Q S N S T V N	
UniRef90_S9WIY7 UniRef90_P07849 UniRef90_D2SSM8	K S M N T F V H E P L A T V Q A I C S Q G Q V T C K N G R N N C H K S S S T L R K P V N T F V H E S L E D V K A I C S E K N I T C K N G Q Y N C H Q S N S T V N K P V B T F V H Z S L A B V Q A V C S Z K B V A C K B G Z T B C Y Z S Y S T M S K Q V N T F V H E S L V D V Q A V C T Q E N V M C K N G Q T N C Y Q S T S N L H K P V N T F I H E S L E D V K A I C S E K N I T C K N G Q P N C H Q S N S T M N	
UniRef90_D253M6 UniRef90_Q9BEC1 UniRef90_D2HYD0	K S M N T F V H E P L A T V Q A I C S Q G Q V T C K N G R N N C H K S S S T L R K P V N T F V H E S L E D V K A I C S E K N I T C K N G Q Y N C H Q S N S T V N K P V B T F V H Z S L A B V Q A V C S Z K B V A C K B G Z T B C Y Z S Y S T M S K Q V N T F V H E S L V D V Q A V C T Q E N V M C K N G Q T N C Y Q S T S N L H K P V N T F I H E S L E D V K A I C S E K N I T C K N G Q P N C H Q S N S T M N K P V N T F V H E P L P D V Q A V C L Q K N V T C K N G Q P D C H Q S S S R M H K P V N T F V H E P L P D V Q A V C L Q K N V T C K N G Q P D C H Q S S S R M H K P V N T F V H E P L P D V Q A V C L Q K N V T C K N G Q P D C H Q S S S R M H K P V N T F V H E P L P D V Q A V C L Q K N V T C K N G Q P D C H Q S S S R M H K P V N T F V H E P L P D V Q A V C L Q K N V T C K N G Q P D C H Q S S S R M H K P V N T F V H E P L P D V Q A V C L Q K N V T C K N G Q P D C H Q S S S R M H K P V N T F V H E P L P D V Q A V C L Q K N V T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G Q P D C H Q S S S R M H C S E K N I T C K N G C P D C H Q S S S R M H C S E K N I T C K N G C P D C H Q S S S R M H C S E K N I T C K N G C P D C H Q S S S R M H C T C T C T C T C T C T C T C T C T C	
UniRef90_UPI0003F10D80 UniRef90_P67929	KPVNTFVHEPLVDVQAVCLQGNITCKNGQSNCHQSSSAMHKPVNTFIHESLEDVQAVCSQKSVTCKNGQTNCHQSSTTMHKPVNTFVHEPLADVQAVCFQKNVLCKNGQSNCYQSYSSMH	
UniRef90_W0UVD5 UniRef90_Q9QYX3 UniRef90_UPI00042C0321	K P V N T F V H E P L P D V Q A V C L Q K N V T C K N G Q P D C H Q S S S R M H K P V N T F V H E P L V D V Q A V C L Q G N I T C K N G Q S N C H Q S S S A M H K P V N T F I H E S L E D V Q A V C S Q K S V T C K N G Q T N C H Q S S T T M H K P V N T F V H E P L A D V Q A V C F Q K N V L C K N G Q S N C Y Q S Y S S M H K P V N T F V H E P L E D V Q A I C S Q E N V T C K N G N R N C Y K S S S A L H K P V N T F V H E P L A D V Q A I C S Q E N V T C K N G Q P N C H Q S F S K M S K P V N T F V H E P L A D V Q A I C C H Q K S V T C K N G Q P N C H Q S F S K M S K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H C Y Q S N S M	
UniRef90_UPI00045E2325 UniRef90_F6RFY4	K P V N T F V H E P L E D V Q A I C F Q K N V L C K N G Q S N C Y Q S T S S M L H K P V N T F V H E P L E D V Q A I C L Q G N V T C K N G Q P N C H Q S F S K M S K P V N T F V H E S L V D V Q A I C H Q K S V T C K N K Q P N C H Q S N S S M H K P V N T F I H E P K E L V D A V C R E T N I T C K N G Q S N C Y Q S S Q P M S K P V N T F V H E P L A E M Q A V C F Q K N V P C K N G Q P N C Y Q S S S N M H K P V N T F V H E P L A E M Q A V C F Q K N V P C K N G Q P N C Y Q S S S N M H K P V N T F V H E P L A D V Q A V C S Q K D V L C K N G Q S N C H Q S R S Q M N K P V N T F V H E P L A D V Q A V C S Q K D V L C K N G Q S N C H Q S R S Q M N K P V N T F V H E P L A D V Q A V C S Q K D V L C K N G Q S N C H Q S R S Q M N K P V N T F V H E P L A D V Q A V C S Q K D V L C K N G Q S N C H Q S R S Q M N K P V N T F V H E P L A D V Q A V C S Q K D V L C K N G Q S N C H Q S R S Q M N K P V N T F V H E P L A D V Q A V C S Q K D V L C K N G Q S N C H Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S Q S Q P M S C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S R S Q M N C P Q S Q S Q P M S C P Q S Q S Q P	
UniRef90_UPI0003336AA4 UniRef90_W0UTI2 UniRef90_W0UTJ7	K P V N T F I H E P K E I V D A V C R E T N I T C K N G Q S N C Y Q S S Q P M S K P V N T F V H E P L A E M Q A V C F Q K N V P C K N G Q P N C Y Q S S S N M H K P V N T F V H E P L A D V Q A V C S Q K D V L C K N G Q S N C H Q S R S Q M N K S V N T F V H N P L V D V Q A I C L Q K N I T C K N G Q P N C H Q S N S I P	
UniRef90_Q8VD90 UniRef90_P16414	KPLNTFVHESWAKVKAI <mark>C</mark> SQDKVT <mark>C</mark> KNGKSN <mark>C</mark> HKSIISTLN KPVNTFVHEPIIKDI KAV <mark>C</mark> EQENVTCKNGNSNCYKSHASI H	
UniRef90_Q19NY6 UniRef90_P00669	KPLNTFVHEPLVDVQNVCFQEKVTCKNWQTNCFKSNSRMH KPVNTFVHESLADVKAVCSQKKVTCKNGQTNCYQSKSTMR KPVNTFVHESLQDVQAVCFQENVTCKNGQQNCHQSRSNMH	
UniRef90_P00685 UniRef90_Q80T16 UniRef90_Q9WUS1	K P V N T F V H E S L Q D V Q A V C F Q E N V T C K N G Q Q N C H Q S R S N M H K P L N T F V H E P L A D V Q A V C S Q K N V P C K N G N S N C Y Q S N S N M H K P V N T F V H E P L A D V Q A V C F Q E N V T C K N G Q T N C Y R S G S S M H K P V N T F V H E P Q T A V H A V C S Q K N V T C K N G N S N C Y K S H S A L H	
UniRef90_Q9WUV3 UniRef90_UPI0002C46C84	K PIVIN I FIVIH F P O I AIVIH AIVICS O K NIVII C K N G N S N C Y K S H S AII IH	
UniRef90_Q9WUV5 UniRef90_F6K3W6 UniRef90_M1KTX2	KPVNTFVHDHLVDVQAICLQENITCKNGQPHCHQSNSNIHKPVNTFVHESLQDIHAVCSQKNVKCKNGQTNCYKSRSALRKPVNTFIHEPLVDVQAICLQGNIICKNGKPNCHKSSSSMKKPVNTFVHEPLVDVRAICLQPNLRCRNGQNNCHKSRSSMRKRVNTFLHESWATVKAICSQRQMTCKSSRNNCHKSSSTLH	
UniRef90_Q8VD88 UniRef90_W0UVH4	_ K PIVIN I FIVI H F PII IP I II ICIDII I <mark>C</mark> C F C I II IP <mark>C K N F C P H C H K S K DII IMID</mark>	
UniRef90_M3Z828 UniRef90_Q861W3 UniRef90_B3EWJ0	KPVNTFIHEPLPDVQVICEQGNVTCKNGKPNCHQSSSKMC KPINTFVHEPLVDVQAIICLQGNITCKNGQSNCHKSSSSMN	
UniRef90_UPI00042CE295 UniRef90_Q8VD83	KPVNTFVHEALADVQAVCSQKNITCKNGQPNCYQSKSTMS KPVNTFLHEPLEDVQAICSQDKVTCKDGKSNCHKSSSTLH KEFNTFIHENLGTINNICNAPNLQCKNGKENCH AGVVR	
UniRef90_L5LR21 UniRef90_L5LC58	KPVNTFVHEALADVQAVCSQKNITCKNGQPNCYQSKSTMS KPVNTFLHEPLEDVQAICSQKNITCKNGQPNCYQSKSTMS KPVNTFLHENLGTINNICNAPNLQCKNGKENCH AGVVR KEFNTFIHENLGTINNICNAPNLQCKNGKENCH AGVVR KDTNTFIHGTSNNIKAVCEDENG KPHGENFRISKSPFQ KDTNTFIHGTSNNIKAVCEDENG KPHGENFRISKSPFQ	
UniRef90_L5LC58 UniRef90_UPI0002C68149 UniRef90_UPI00042C5B55	KDTNTFI HGTSNNI KAV CEDENG KPHGENFRISKSPFQ KDTNTFI HGTSNNI KAV CEDENG KPHGENFRISKSPFQ KPFNTFI HEDIWNI RSI CSTTSIQCKNGRMNCHE RVMK KPFNTFI HEDLWSI RSI CRTANIQCKDGQKNCHE GVVK	
UniRef90_S9WKD1 UniRef90_S9WKD1	K D T N T F V H G S S N N R A C E D T N G E P Y G G T	
UniRef90_W0UUY9 UniRef90_M1LVQ4 UniRef90_UPI000333859B	KPFNSFI HEDIWNI RSI CSTSNVECKNGLMNCH TGVVKKPVNIFVHEPLKDVEDI CIEPNI LCKNGQNNCHKSKFLMNKPRNTFLHDDLQNVTDVCTQDNTTCKNGQNNCHQSVSPVN	
UniRef90_A0ESA4 UniRef90_UPI0004406375	K P V N T F V H E P L P D V Q A V C F Q G N V T C K S G Q P D C H Q S S S K M L K G L N T F V H E S F S G V A A T C Q T P S I T C K R G R E N C H R S Q K P V S	
UniRef90_L5MDQ0 UniRef90_UPI0004444D98 UniRef90_M1LVQ1	KELNTFIHEDISVINNICKTPNIRCKNGKMNCHE GEVRKAVNIFIHEPLAKIQAVCRQGGISCKNKKNKCHQSSSSMSKPVNTFVHESLTDVKALCNQRNIRCKNGQNNCHKSRSSMRKNLNTFLHESFSSVATTCQTPSIACKNGRKNCHKSQEPMS	
UniRef90_W0UVB9 UniRef90_A0ESB0	KPVNTFVHESLTDVKAICNQRNIRCKNGQNNCHKSRSSMR KNLNTFLHESFSSVATTCQTPSIACKNGRKNCHKSQEPMS KPVNTFIHQPLPDVRAVCSQGNVPCKNRQSNCHQSSSKMR KVFNTFILESIWKIRAICWNKKTACKQKFFNCHMSREPLK	
UniRef90_F7E3J5 UniRef90_M1KTX8 UniRef90_G1ST65	K A V N F H E P A K Q A V C R Q G G S C K N K K N K C H Q S S S M S K P V N T F V H E S L T D V K A L C N Q R N I R C K N G Q N N C H K S R S S M R K N L N T F L H E S F S S V A T T C Q T P S I A C K N G R K N C H K S Q E P M S K P V N T F I H Q P L P D V R A V C S Q G N V P C K N R Q S N C H Q S S S K M R K V F N T F I L E S I W K I R A I C W N K K T A C K Q K F F N C H M S R E P L K K P V N T F V H E P L E D V E A I C Q D N I R C S N K I T N C H K S K S S M R K P L N T F V H E P L K K I Q A V C F Q E K V T C K D G K T N C Y R S T S K M H K Q F N T F I L E S I W K I R A I C W N T K A P C K T E N S N C H R S R K L M Q N N R M R M R M R M R M R M R M R M R M	
UniRef90_G3VRS4 UniRef90_UPI0003F0EF97	KPLNTFVHEPLKKI QAVCFQEKVTCKDGKTNCYRSTSKMH KQFNTFI LESI WKI RAI CWNTKAPCKTENSNCHRSRKLMQ KPENSFLHVSFENVAAV CDLPNITCKNGWNNCHQSPKQIN	
UniRef90_W0UTI7 UniRef90_H0WX00	KQFNTFI HEDNSTI DSI CITRNI LCKNGMMNCH AGVVN KPFNTFI HEDIGNI LNI CNTSNI PCKNGRMNCHE GVVQ KQFNTFI HEDIGNI NSI CSTANI QCKNGSMNCHQ GVVK	
UniRef90_UPI000443D996 UniRef90_UPI00033186E0 UniRef90_S7PBF6	KPVNTFI HENI WTTRSI CYTPNI QCKNGSMNCHE GIVKKKFNTFI HEDI GTI NNI CRTPNI RCKRGRMNCH AGVVRKFVNTFVHESLADVQAVCSQKKVTCKNGQTNSFQSNSVI H	
UniRef90_Q9BEC2 UniRef90_UPI00038E9E1E	KPVNTFVHESLADVQAVCSQKKVTCKNGQTNSFQSNSVIH KPLNTFLHTSFSSVAATCLTPSKTCKNGQKNCHQSPKPVS	
UniRef90_S7MLM2 UniRef90_S7MLM2 UniRef90_UPI00033331DB	KPQNIFILHDSFQNIVVAACELPKSVCKKG HQSPKPIIN KPQNTFILHDSFQNIVVAACELPKSVCKKG HQSPKPIIN KNVNTFILHESIJOKIIKNII CNTPKVRCKNGRMNCHRGOA	
UniRef90_G3VW07 UniRef90_M3Z6E5	KPVNTFVHESLTDVKAATCONGGRKNCHKSSRSPKKKNKNLNTFLHESLSVAATCONGRNNCHKSSRSPKKMNCKNNKNLNTFLHESLSVAATCONGRNNCHCHXSRSPKKMNCKNNKNLNTFLHESSLSVAATCONGRNNCHCHXSRSPKKMNCKNNKNLNTFLHESLSVAATCONGRNNCHCHXSRSRKKMNCKNNKNLNTFLHESLSVAATCONGRNNCHCHXSRSKKMNCHCHXSRSKKMNCHCHXSRSKKKNNCHCHXSRSKKKNNCHCHXSRSKKMNCHCHXSRSKKMNCHCHXSRSKKKNNCHCHXSRSKKKNNCHCHXSRSKKMNCHCHXSRSKKMNCHCHXSRSKKMNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXKKNNCHCHXSRXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
UniRef90_UPI00045DEBC4 UniRef90_F6ZXU1 UniRef90_I3LHY8	KPENTFILHDSFEDIVAATCDLIPNTILCKNGRNNCHRSPKPINKAFNTFILHESFSVATTCOTSILACKNGRMNCHE GVVR	
UniRef90_L5K8K8 UniRef90_L5LLG3	KDRNTFI HATKKEI KAV <mark>C</mark> EDKNGTPYNGA FRKSKTPFQ KQFNTFI HENLGTI SNLCNATNI QCKNGMMNCH AGVVR	
UniRef90_UPI0003F0822C UniRef90_UPI0003F1039B	KSUNTFIHSSESNVAATCEAPNVTCKNGRENCHUSQEPAF KPVNTFIHENUWNIHSICNTANUQCKNGSWNCH GGVVK	
UniRef90_UPI000333C759 UniRef90_P81649 UniRef90_W0UV16	KPVNTFIHENIWNIHSICNTANIQCKNGSMNCH GGVVKKPTNTFLHDALQNVIDVCKLPNTHCKNGQYNCHRSATPVSKPQNTFLHDSFQDVATACNLPNITCKNGQNNCHQSAKPVSKRQNTFLHDSFQNVAAACELPKIVCKNGRNNCHQSSKPVN	
UniRef90_A0ESA6 UniRef90_S7MPI6	KRQNTFLHDSFQNVAAACELPKI VCKNGRNNCHQSSKPVNKRKNTFIHETLPDVQVVCFEGTVRCENGKLNCHQSTSKMRKQFNTFIHEDLGTIKNICKTPKLPCKNGKMNCHE GEVR	
UniRef90_P04061 UniRef90_Q8VD99 UniRef90_G1TY93	KFTNTFVHASAASITTVCGSSGGTP ASGDLRDSNASFA KPVNTFVHEPLKDVQALCSQGQVTCKNGRNNCYKSSSTLH KNLNTFLHESFTSVJPTCDTPNVACKNGRNNCHQSPGPVS	
UniRef90_G1ST62	K P F N T F L H D S F Q D V A A V C D F P N V T C R N G R H N C H Q S P K P I N	

OHEDY	90	100
QUERY UniRef90_UPl00042C54C7 UniRef90_UPl000333AC1C UniRef90_UPl000333AC1C UniRef90_UPl000334597A UniRef90_UPl000334597A UniRef90_UPl0002C65ADB UniRef90_UPl0002C65ADB UniRef90_Q8VD89 UniRef90_D2SM8 UniRef90_D2SM8 UniRef90_D2SM8 UniRef90_UPl0003F10D80 UniRef90_UPl0003F10D80 UniRef90_UPl0003F10D80 UniRef90_UPl00045E2325 UniRef90_UPl00045E2325 UniRef90_UPl00045E2325 UniRef90_UPl0003336AA4 UniRef90_UPl0045 UniRef90_Q8VUS1 UniRef90_Q8VUS1 UniRef90_Q9WUV5 UniRef90_Q9WUV5 UniRef90_Q9WUV5 UniRef90_UPl0002C46C84 UniRef90_UPl00042CE295 UniRef90_UPl00042CE295 UniRef90_UPl00042CE395 UniRef90_UPl00042C5B55 UniRef90_UPl00042C5B55 UniRef90_UPl00042C5B55 UniRef90_UPl00042C5B55	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Y T T T E E E K H I I V A C E G N P Y V P V H H F F F F F F F F F F F F F F F F F
UniRef90_S9WKD1 UniRef90_W0UUY9 UniRef90_M1LVQ4 UniRef90_A0ESA4 UniRef90_UPl000333859B UniRef90_L5MDQ0 UniRef90_UPl00044406375 UniRef90_UPl0004444D98 UniRef90_M1LVQ1 UniRef90_M1LVQ1 UniRef90_M1LVQ1 UniRef90_M1LVQ1 UniRef90_M1LVQ1 UniRef90_W0UVB9 UniRef90_F7E3J5 UniRef90_G1ST65 UniRef90_G1ST65 UniRef90_UPl0003F0EF97 UniRef90_UPl0003F0EF97 UniRef90_UPl00033186E0 UniRef90_UPl00033186E0 UniRef90_UPl00033186E0 UniRef90_UPl0003311DB UniRef90_UPl00033331DB UniRef90_UPl00033331DB UniRef90_UPl00035DEBC4 UniRef90_UPl00035DEBC4 UniRef90_UPl00045DEBC4 UniRef90_UPl0003F0ESC4 UniRef90_UPl0003F0ESC4 UniRef90_UPl0003F0BSC4 UniRef90_UPl0003F0BSC4 UniRef90_UPl0003F0BSC4 UniRef90_UPl0003F0BSC4 UniRef90_UPl0003F0BSC2C	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Y R D R P K F A N F T V A C E G N P P V H F P V H A C E G T S R V P V H H L V A C E G T S R V P V H H L V A C E G T S R V P V H H L V A C E G T S R V P V H H L V A C E G T S R V P V H L V A C E G T S R V P V H L V A C E G T S R V P V H L V A C E G T S R V P V H L V A C E G T S R V P V H L V A C E G T S R V P V H L V A C E G T S R V P V H L V A C E G T S R V V P V H F T V A C E G T S R V V P V T T V A C E G T S R V V P V T T V A C E G T S R V V P V T T V A C E G T S R V V P V T T V A C E G T S R V V P V T T V A C E G T S R V V P V T T V T V A C E G T S R T T T T T T T T T T T T T T T T T

QUERY		DASV
UniRef90	_UPI00042C54C7	DGSV
UniRef90 UniRef90	_UPI000333AC1C _UPI000334597A	D A S V D A A V
UniRef90	Q9BEC3	DATV
UniRef90_ UniRef90	UPI000334555F UPI0002C65ADB	D G S V D A S V
UniRef90	_OF10002C03ADB _Q8VD89	DDSV
UniRef90_	_S9WIY7	DASV
UniRef90_ UniRef90_	_P07849 D2SSM8	B A S V D A S V
UniRef90_	Q9BEC1	DGS
UniRef90_ UniRef90_	_D2HYD0 UPI0003F10D80	D A S V D A S V
UniRef90_	_P67929	DASV
UniRef90_ UniRef90_	_W0UVD5 Q9QYX3	D T S V D A T V
UniRef90_	_UPI00042C0321	DDSV
	_UPI00045E2325 F6RFY4	D A D A Y V
UniRef90_	_UPI0003336AA4	DASV
UniRef90_ UniRef90_	_W0UTI2 W0UTJ7	DA DGSV
UniRef90_	_VV00137 _Q8VD90	DATV
UniRef90_	_P16414	D A S V D D S V
UniRef90 UniRef90	_Q19NY6 _P00669	DASIV
UniRef90	_P00685	DASV
UniRef90 UniRef90	_Q80T16 _Q9WUS1	D A S V D G S V
UniRef90	_Q9WUV3	DASV
UniRef90 UniRef90	_UPI0002C46C84 _Q9WUV5	DASV DAS_
UniRef90	_F6K3W6	HASV
UniRef90 UniRef90	_M1KTX2 _Q8VD88	DA DASV
UniRef90	_W0UVH4	DG _
UniRef90 UniRef90	_M3Z828 Q861W3	DGSV
UniRef90	_Q001W3 _B3EWJ0	DAYV
UniRef90 UniRef90	_UPI00042CE295 Q8VD83	D G A V D A S V
UniRef90	_Q6VD63 _L5LR21	D R S V
UniRef90 UniRef90	L5LC58	
UniRef90_	_L5LC58 UPI0002C68149	D R
UniRef90	_UPI00042C5B55	D
UniRef90_ UniRef90_ UniRef90	_UPI00042C5B55 _S9WKD1 _S9WKD1	_
UniRef90_ UniRef90_ UniRef90_ UniRef90	_UPI00042C5B55 _S9WKD1 _S9WKD1 _W0UUY9	D D A
UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4	D A
UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4	D A D Q I V
UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 L01000333859B A0ESA4 UPI0004406375	D A D Q I V D D V L
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98	D A D Q L V D D V L D G T V
UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90 UniRef90	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98	D A D Q I V D D V L D G D G T V D A
UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0	D A D Q V V D D V L D G D G T V D A D D V V
UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI00044406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5	D A D Q I V D G T V D A D D V V D A D D V V D S S
UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI00044406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65	D A D Q L V D D V L D G T V D A D D V V D A S V D A S V
UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4	D A D Q I V D D Q I V D D Q I V D D Q I V D D Q I V D D Q I V D D A S V D D A S V D D D A S V D D D D D D D D D D D D D D D D D D
UniRef90_ UniRef90	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97	D A D Q L V D D G T V D D A S D D A S V D D A R L D D R
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00	D A D Q L V D D G T V D A S D A S V D K L L D K
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004446375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UT17 H0WX00 UPI000443D996 UPI00033186E0	D A Q I V D D V L D D G G T V D D A A S V D D A A K K L D D C K K C D C K C C C C C C C C C C C
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6	D A Q I V D D Q I V D D Q I V D D Q I V D D Q A A S V D D D A A S V D D D D C R K C D D C C C C C C C C C C C C C C C C
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004446375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI000350EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E	D A Q I V D D V L D D G G T V D D A A S V D D A A K K L D D C K K C D C K C C C C C C C C C C C
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI00044406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2	D A Q I V I D D D D D D D D D D D D D D D D D
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 S7MLM2	D A Q I V I D D D D D D D D D D D D D D D D D
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004446375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 S7MLM2 UPI00033331DB G3VW07	D A Q I V D D D D D D D D D D D D D D D D D D
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 S7MLM2	D A Q I V I D D D D D D D D D D D D D D D D D
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI000333186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 UPI00033331DB G3VW07 M3Z6E5 UPI00045DEBC4 F6ZXU1	D A Q I V I D D D D D D D D D D D D D D D D D
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI000333186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 UPI00033331DB G3VW07 M3Z6E5 UPI00045DEBC4 F6ZXU1	D A Q DGGAD SAA KRKRKSGE K GK SK
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004446375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 S7MLM2 UPI00033331DB G3VW07 M3Z6E5 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5K8K8 L5K8K8 L5LLG3	D DDD DDDDD DDDDDDDDDDDDDDDDDDDDDDDDDD
UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004446375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 S7MLM2 UPI00033331DB G3VW07 M3Z6E5 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5LKG3	D DDD DDDDD DDDDDDDDDDDDDDDDDDDDDDDDDD
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 S7MLM2 UPI00033331DB G3VW07 M3Z6E5 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5LLG3 UPI0003F0822C UPI0003F1039B UPI0003759	D DDD DDDDD DDDDDDDDDDDDDDDDDDDDDDDDDD
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 S7MLM2 UPI00033331DB G3VW07 M3Z6E5 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5LLG3 UPI0003F0822C UPI0003F1039B UPI0003759	D DDD DDDDD DDDDDDDDDDDDDDDDDDDDDDDDDD
UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI000333186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 UPI00035UEDEC4 F6ZXU1 I3LHY8 L5K8K8 L5LLG3 UPI0003F0822C	D A Q DGGAD SAA KRKRKSGE K GKRKESEKKKK
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004406375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI000333186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 UPI00035UEDEC4 F6ZXU1 I3LHY8 L5K8K8 L5LLG3 UPI0003F0822C	D DDD DDDDD DDDDDDDDDDDDDDDDDDDDDDDDDD
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004446375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 S7MLM2 UPI00033331DB G3VW07 M3Z6E5 UPI00035F0EBC4 F6ZXU1 I3LHY8 L5K8K8 L5LLG3 UPI0003F0E2C UPI0003F0E2C UPI0003F0E2C UPI0003F0ESC4 F6ZXU1 I3LHY8 L5K8K8 L5LG3 UPI0003F0ESC5 UPI0003F0ESC6 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5LG3 UPI0003F0ESC6 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5LG3 UPI0003F0ESC6 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5LG3 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5LG3 UPI00045DEBC4 F6ZXU1 I3LHY8 L5K8K9 L5K9K9	D DDD DDDDD DDDDDDDDDDD DDDDDDDDDDDDDD
UniRef90_ UniRef90_	UPI00042C5B55 S9WKD1 S9WKD1 W0UUY9 M1LVQ4 UPI000333859B A0ESA4 UPI0004446375 L5MDQ0 UPI0004444D98 M1LVQ1 W0UVB9 A0ESB0 F7E3J5 M1KTX8 G1ST65 G3VRS4 UPI0003F0EF97 W0UTI7 H0WX00 UPI000443D996 UPI00033186E0 S7PBF6 Q9BEC2 UPI00038E9E1E S7MLM2 UPI00033331DB G3VW07 M3Z6E5 UPI00035DEBC4 F6ZXU1 I3LHY8 L5K8K8 L5LLG3 UPI0003F0ESC4 UPI0003F0ESC2 UPI0003F0ESC4 UPI0003F0ESC4 F6ZXU1 I3LHY8 L5K8K8 L5LLG3 UPI0003F0ESC4 UPI0003F0ESC4 F6ZXU1 I3LHY8 L5K8K8 L5LG3 UPI0003F0ESC5 UPI0003F0ESC6 UPI0003F0ESC	D DDD DDDDD DDDDDDDDDDDDDDDDDDDDDDDDDD

UniRef90_G3VHY3 UniRef90_H0WA49	1	
UniRef90_UPI00045D591A UniRef90_UPI00038C1C54 UniRef90_G1PQE2	QDRMYQQFLRQHVDPEGTG NDGYCNLMMQRWKMTTHQCTKARWFEIQHIQTSPQQ CHTAMSAINNYTRHCTSAQWFFIQHVQPSPQA CKGAMSNINKHTNHC	
UniRef90_G3UBZ9 UniRef90_G5B5R6 UniRef90_G3TPI9 UniRef90_UPI0003347EFC	KLTKAQWFEI QHVQPSPLR CDKAMSGVNNYTRHC TKAEWFEI QHLQPSP LLCNQGMRGVNNYI QHC EESPAKDFQRQHMDPGHFP NNGTYCNRMMYSRNMTHGFC	
UniRef90_UPI000334319B UniRef90_UPI0004444F7C UniRef90_UPI0003317B80 UniRef90_UPI00032AE825	T K A K W F E I Q H I Q P T P L Q C K A M K E I N N Y T H H C	
UniRef90_UPI000388BCC8 UniRef90_UPI0004548F7C UniRef90_UPI00032B1B8A UniRef90_F7APT4	ESRYEKFILRQHVDSDPSPPDVRRYCNILLMRRRDMTAHKCDPRYETFILNQHYDAHPT GRDDRYCNSLMRRRKLTSPCDRYCFTMMRRRGMTSPC	
UniRef90_UPl00042AA0D0 UniRef90_UPl00046BDE32 UniRef90_UPl0004434EC6 UniRef90_W0UV14	TQARWFEIQHIQPIPLQ CNKAMNGVNNYTKHC TKAHWFEIQHIQISPQ LCNTAMRGVNNYTRHC QSMYQQFLRQHVDSEETGGTD LYCNTIMQTRRMTRPTC TPAQWFNKQHVQHPKTASNDDIYCNNEMRQINNYTHRC QSTYQRFLRQHVDSRGPGGTN LYCNTMMQRRGMTRPTC	
UniRef90_F7HRN4 UniRef90_L5LPB6 UniRef90_Q8SPZ4 UniRef90_G1PZC9	TKAQWFEIQHIRPSPIQ CNRAMSGINNYTQHC ETMYERFQRQHVDSKQRGVT SLYCNTMMQTRGMTRPRC TPSQWFKTQDVQPSPQA CDSAMRNINNYKKWC DRRYKHFLNQHYDAKPSGRNDA YCDTMMRRRGLTSP	
UniRef90_W0UVJ3 UniRef90_UPI00038EC677 UniRef90_UPI0003343C02 UniRef90_L5K9C3	ETMHQRFLREHVDSNWTGGNNW YCNTMMQRRGMTRPRCKESSAMRFQRQHVDSGSSPGSNPNYCNEMMKRRNMTQGRCTSAQWFFTQHVQUSPQP	
UniRef90_UPI000441FDB2 UniRef90_UPI0003F07C8A UniRef90_G7P9N2	T K A G W F K I Q H I Q P L P L Q K E T R Q E K F H R Q H V A F P K T D S G A R R Y C N L M M Q R R G M T A L R C T P A Q W F E T Q H V Q P R P Q K T P S Q W F Q I Q H V Q P S P Q A T S A Q W F E T Q H V Q P R P K R C S A A M G N I N K Y S R R C K R C N M A M R P L N Q D K K R C	
UniRef90_S9WL92 UniRef90_W0UV21 UniRef90_G9KLA3 UniRef90_I3MKL4	KETQAEKF <u>LIRQHMDPDTSTV</u> TAS Y <mark>CNKMMKHRNIIMV</mark> GD <mark>C</mark> RLTKAHWFE <u>LIQHIIQPGLLI</u> Q	
UniRef90_F1M5W9 UniRef90_W0UUW8 UniRef90_G1MNE3 UniRef90_W0UTH1	Y C N Q M M K R R G M T K G S C T K A H W F E I Q H I Q S S P L R P T R A Q W F Q I Q H I S G G P V Q C N N A M R R V N N N N Q R C T K A R W F E I Q H I Q P S P L Q C N R A M R G V N N Y T Q H C	
UniRef90_UPI00046BA9CD UniRef90_Q8SPZ6 UniRef90_S7N6W5 UniRef90_K7EX26	QDERYRHFLDQHYDANPRGRND RYCNTMMRRRGLTSP C TSSQWFKTQHVQPSPEA CYLAMSNISKYIEWC QSMYQRFKQQHVDSTQRGGTSS YCNSMMQKRKMTRPTC ETRYEKFLRQHVDYPESSAPDARYCSQMMQRRGLASSTC	
UniRef90_G5B0T9 UniRef90_G5BFW8 UniRef90_M3X5S1 UniRef90_M7AZE6	TRFQWFAIQHVSPNPIAS TAAQWFATQHVQPKPQG RETRHEKFHRQHVDPKTSALDARRYCNLLIMPRRNLTAVAC ETFLRQHYDNPKSNVGN RYCNTMMVRRGMTRPK	
UniRef90_UPI00044217FA UniRef90_W0UV01 UniRef90_UPI00033383D5 UniRef90_UPI00042AA39E	T S A Q W F E T Q H V Q P D P E P C S T A M P K I N Q Y N K Y C R Y K H F L S Q H Y D G N P R G R N D R Y C E S M M V I R G L T T P C R Y D K F L K Q H Y D A K P S G R D D R Y C N H M M E D R D L T S P C	
UniRef90_M3WX61 UniRef90_F6PT66 UniRef90_W0UVK0 UniRef90_UPl0003C002D3	TRAKWFELQHVRSSPVS ESQEDKFKRQHLDSGTKGNPGKKYCDQMMAKRGMTKRKC TRAQWFELQHIHPTPLQ CNNAMRGVNNYTQHC QDRMYQQFLRQHVDPDETGGNDS YCNLMMQRRKMTSHQC	
UniRef90_UPI00042C4CD2 UniRef90_H0WHZ5 UniRef90_UPI0003F131CF UniRef90_W0UVK6	TKAHWFEIQHIQPRLLQ CNKAMSGVNNYTRHC TSSQWFEIQHVQPHPRA CNSAMGNINKHTKHC RYKDFLTKHYDAKP GGRNDRYCDSMMKRRGLTAP C TKAQWFQLQHLLPSPSQ CNQAMRGVNNYTQHC	
UniRef90_UPI0003340A72 UniRef90_UPI0002C5626B UniRef90_S7PPJ1 UniRef90_P03950	T P A Q W F A T Q H V Q P K L Q A R P S R A Q W F A L Q H I S A G P V Q Y E R F K E Q H V D S I G P G G T N L Y C N T E M Q R R G M T L S G C S R Y T H F L T Q H Y D A K P Q G R D D R Y C E S I M R R G L T S P C D L R Y L K F L D Q H Y D P K T K N G N D K Y C E K M M R L R N M L S P C	
UniRef90_Q8WN61 UniRef90_G1PXU4 UniRef90_F7E3I3 UniRef90_UPI0003443D03	WA OWE NEOHIZIO Y K SA PNDNO Y CNA EMY RIZNNH T NIZI	
UniRef90_UPI00046B1860 UniRef90_P31346 UniRef90_Q64438 UniRef90_Q9JKJ2	DPRYRSFLTKHYDAKP WGRNDKYCE MMKRRGLTTP CRYEKFLTQHYDAKP GGRDDKYCETMMKKRGLTSP CEDRYTHFLTQHYDAKP KGRDGRYCES MKQRGLTRP CDSRYTKFLTQHYDAKP KGRDDRYCES MMVKRKLTS FC TRSQWFEIQHIRNSTT IRCNAAMLGVINNYTGRCRETRHEKFRRQHVDFPKTSIPDARYCNLLMQQRNLTVDIC	
UniRef90_UPI0003C2B2BF UniRef90_W0UVB0 UniRef90_W5PUT0 UniRef90_L8I621	QETPAQRFMRQHIVGAVPPSTDTTYCDDMMLRRHINEYSC TKARWFEIQHIHPSPLQ CNTAMRGVNNYTRHC TPAQWFETQHVQPSPQG CSATMHKINKFSKRC	
UniRef90_UPI00045DC234 UniRef90_UPI0000E38F45 UniRef90_UPI000333DC39 UniRef90_LBYM545	T S A Q W F E II Q H V Q P S P Q R E T S F Q W F Q IV Q H V Q P S P F A E T S S Q W F K II Q H V Q P S P F A C N S A M D K II N K F T K R C	
UniRef90_Q5WN11 UniRef90_UPI0003315955 UniRef90_UPI000333E887 UniRef90_UPI0003C42A8F	RPTPSQWFAIQHIYNSSYPQCNAAMLRVNSYTGRCTSAQWFEIQHVHKSPVNCKNAMKQINNDSKSCTPFQWFKVQHILPNSLPCDQAMIAVNRPNGVCMYQPLQQQHVDSTQRGGTSLYRNTMMQRQGMTRLRCDPRYKKFLTQHYDANPRGRDDKYCESTMRKRGLTSPC	
UniRef90_UPI00038BCEFD UniRef90_H9GD73 UniRef90_H9GD66 UniRef90_UPI0003F16677	PRYEKFLINQHRDDPRSSFHG RYCNTLIMGSRGLITKPECQTFRRQHYDNPRSNVGN RYCNTMMQRRGMTRPNCQDHMYQRFIIRQHVDSKVITNRNES YCNI I MQRRKMTSRYC	
UniRef90_UPI00042CD8AE UniRef90_W0UV80 UniRef90_UPI00033472D3 UniRef90_H9GD65	TRAQWFEIQHLNMVYTQ CNAAMRVVNSYRMVCTSAKWFETQHVQPHPQP CSSAMPRVNYYKRHCRYRHFLDQHYDPRPQGRND RYCNNRMRRQGLTSP CRESRHDKFLRQHVDFPKTNSDARRYCNLMMQRRGMTATIC	

	50 00 70 00
UniRef90_G3VHY3	50 60 70 80 KPLNTFLHDTFPNVALACGSPSMTCKNGQGNCHQSPGTVP
UniRef90_H0WA49 UniRef90_UPI00045D591A	KRLNDFLHTSLFNVAATCQTPSKTCKNGGKNCHQSPKPVS KCFNTFIHEALWNIHSICSTTNVQCKNGKMNCH KGVVK
UniRef90_UPI00038C1C54 UniRef90_G1PQE2	KCFNTFIHEAIWNIHSICSTTNVQCKNGKMNCH KGVVKKPKNTFLHDSFQNVTVACGSPNITCKNGQNNCHQSAGPVNKRLNTFLHESFSSVAATCQNPTIACKNGQKNCHQSKGPVS
UniRef90_G3UBZ9	K DIL IN I FIL IH D S F H NIV IA A IV I <mark>C</mark> NIL IA NII I C R N R S I N C H R S P N R IV IN
UniRef90_G5B5R6 UniRef90_G3TPI9	K PIVIN T FILIH D S F Q NIVIT AIVI <mark>C</mark> NILIT NILIT <mark>C K N GILIN N C H Q S Q N PI</mark> VIN
UniRef90_UPI0003347EFC UniRef90_UPI000334319B	KPFNTFILIHDSFQNIVIAATCDILIPNILITCKNGQKNCHQSPKPIVIN
UniRef90_UPI0004444F7C UniRef90_UPI0003317B80	KNRNSFLHEPFSSVATACQTPNIVCKNGRENCHQSLNPVPKPENTFLHASFQDVAATCNMPNIDCKNGWKNCHQSPNPVS
UniRef90_UPI00032AE825 UniRef90_UPI000388BCC8	K PILIN T FIVIH F PILIF KIVIQ AIVI <mark>C</mark> F Q F NIV LI <mark>C</mark> K D G Q T N C Y W S K C K M H
UniRef90_UPI0004548F7C	KHLNTFIHSSANQIEPICGDGGEPAG GDLRLSEDPFPKELNTFIHGTKDNIKAICETSGTPYTN NLRKSTSQFQKDTNTFVHGNKKKIKAICEAKNG RPYGDNFRLSTSAFQ
UniRef90_UPI00032B1B8A UniRef90_F7APT4	KPENTFILIH DSFQNIVIA SIVI <mark>C</mark> NILIR SII I I <mark>C</mark> KNGQKN <mark>CH</mark> QSSRPIVIH
UniRef90_UPI00042AA0D0 UniRef90_UPI00046BDE32	K Q F N T F II Q A D II G A II N N II <mark>C</mark> R N IL N II Q <mark>C</mark> K N G K M N C H
UniRef90_UPI0004434EC6 UniRef90_W0UV14	KSFNTFLDYMLEDIINACFTPNITCKNLQKNCHKSTLKVPKQFNTFIHENLRTINNICRTTNIRCKNGRMNCH AGVVR
UniRef90_F7HRN4	KPQNTFILIHDSFQNIVITAIVI <mark>C</mark> FILISILIT <mark>C</mark> KNGILIHNCHQSILIKPIVIN
UniRef90_L5LPB6 UniRef90_Q8SPZ4	K Q E N T F I H A D I G A E N N I C R T P N I R C K N G R M N C H A G A L R K D L N T F L H E P F S S V A A T C Q T P N L T C K N G H K N C H Q S H R P V S
UniRef90_G1PZC9 UniRef90 W0UVJ3	
UniRef90_UPI00038EC677 UniRef90_UPI0003343C02	K P V N T F V H Q P L A D V Q A V C F Q K N V P C K N G Q T N C Y Q S S S N M H K N L N T F L H E S F A D V A T T C Q T P N I A C K N G H D K C H Q S Q E R V S
UniRef90_L5K9C3	KPQNTFL HDSFQSVALACMSPNLFCKNGQKNCHQSTKRVY
UniRef90_UPI0003F07C8A	KPTNTFI HGSPTEVDAICSDGGTH SSENYYDSNSFFE KDLNTFL HSSFSKVATTCKTPTLACKNGQKNCHQSQSPVS
UniRef90_G7P9N2 UniRef90_S9WL92	K D _ N T F L H E P F S R V A T T
UniRef90_W0UV21 UniRef90_G9KLA3	K N L N T F L H E P F S T V A N T C Q T P N I A C K N G W D N C H Q S P E P V S K L V N T F I H E P L P D V Q A V C F Q G N V P C K N T K P N C H K S S S K M H
UniRef90_I3MKL4 UniRef90_F1M5W9	KPENTFLHDSFQNVÄVÄCNMPHLICKNGQNNCHQSAKPVN KRVNTFLHESWATVKALCSQRQTSSRN NCHKSSSTLH
UniRef90_W0UUW8	K P Q N T F L H D S F Q N V A A V <mark>C</mark> N L V T I I <mark>C</mark> K N G W K N <mark>C</mark> H Q S S K P V N
UniRef90_G1MNE3 UniRef90_W0UTH1	KPQNTFLHTTFQNVAAT <mark>C</mark> SLPT RPC RNGQNN <mark>C</mark> HRSARRIG KKLNTFLHDSLRDVINA <mark>C</mark> NTPKIICKNGQHNCHKSSKPVN
UniRef90_UPI00046BA9CD UniRef90_Q8SPZ6	KKËNTFLHDSERDVINACNTPKIICKNGQHNCHKSSKPVN KDTNTFLHGTSNNIKAVCEDENGMPY GTNFRESKSPFQ KDENTFLHEPFSSVATTCQTPNEACKNGHKNCHQSSGPMS
UniRef90_S7N6W5 UniRef90_K7EX26	KQFNTFI HADIGAI NNI <mark>C</mark> KTTKFR <mark>C</mark> KNGKMN <mark>C</mark> H AGVVR K <u>FT</u> NSFVHAP <u>A</u> ATI STI <mark>C</mark> GSGG <u>A</u> P ASGDLRDSNAAFA
UniRef90_G5B0T9 UniRef90_G5BFW8	K <u>L V</u> N T F MH D P L A D V Q A V <mark>C</mark> F Q K N V T <mark>C</mark> K N A Q T N F Y Q S S S N M H
UniRef90_M3X5S1	K D F N T F L H E S F S S V A T <u>T C Q T P T L </u> A
UniRef90_M7AZE6 UniRef90_UPI00044217FA	KEIVINTEILIH DTKNEILINAIVI <mark>C</mark> GNKGEPEGNG II IRRSILIKOEO
UniRef90_W0UV01 UniRef90_UPI00033383D5	KNINTFLHETFTSVIPICNTPSIACKNGNDNOHESSAPVS KELNTFLHYKKGSIKALCGTKNGLP HGENLRRSKSPFQ
UniRef90_UPI00042AA39E UniRef90_M3WX61	KERNTEILIHGKKKSILIRAIVI <mark>C</mark> GENGNPYEN NILIRILISILISEEQ
UniRef90_F6PT66 UniRef90_W0UVK0	K P V N T F L H E S Y Q N I E N L C H E P N V P C A N K N M N C H K S N H P M K
UniRef90_UPI0003C002D3	K R F N T F I H E D L WN I R S I C S T T N I Q C K N G R M N C H E G V V R K P Q N T F L H N S F Q D V A A V C D L P H I V C K N G Q Y N C H Q S P K P V N K D R N T F L H E S F S R V A T T C Q T P K I A C K N G H K N C H Q S R G P V S K D T N T F I H G N K G N I K A I C G N N G I P Y G T H F R L S K S S F Q K D V N T F L H D S F Q N V A A V C N L T N L K C R N G R N N C H R S Q N P V N K P L N T L L H T T F S S V A A T C Q T P S Q M C K N G H K N C H Q S P K P V S
UniRef90_UPI00042C4CD2 UniRef90_H0WHZ5_	KDRNTFLHNSFQDVAAVCOLPHIVCKNGQYNCHQSPKPVN KDRNTFLHESFSRVATTCQTPKI ACKNGHKNCHQSRGPVS
UniRef90_UPI0003F131CF UniRef90_W0UVK6	K D T N T F H G N K G N K A C G N N G P Y G
UniRef90_UPI0003340A72 UniRef90_UPI0002C5626B	
UniRef90_S7PPJ1 UniRef90_P03950	KQLNTFI HAGISTI NNI CNAPNIQCKNGMMNCH AGSVS
UniRef90_Q8WN61	KELNTFI HGNKASI KALCGNQNGEPHNG NQRISKSAFQ
UniRef90_G1PXU4 UniRef90_F7E3I3	KQINTFI HAGISTI NNI CNAPNIQCKNGMMNCH AGSVS KDI NTFI HGNKRSI KAI CENKNGNP HRENLRISKSSFQ KELNTFI HGNKASI KAI CGNQNGEPHNG NQRISKSAFQ KDTNTFI HGIKKNI KAVCEDENGVPY GTNLRRSKSPFQ KAFNSFL HNQTQNI INVCLNPNTPCKNSRTNCHNSTFRND
UniRef90_UPI0003443D03 UniRef90_UPI00046B1860	KDTNTFI HDNKNNI KAI CGNIGEPYXEG LRRSKSLFQ KEVNTFVHGKKRSI RAI CDDSNGSPY KENLRISKSSFQ KEVNTFI HGTRNDI KAI CNDKNGEPYN NFRRSKSPFQ
UniRef90_P31346 UniRef90_Q64438	KEVNIFI HGTRNDI KAI CNDKNGEPYN NFRRSKSPFQ KDVNTFI HDTKNNI KAI CGKKGSPYG RNLRISKSHFQ
UniRef90_Q9JKJ2 UniRef90_UPI0003C2B2BF	K G K N T F L H T T F A D V V D V C Y N T N T T C R N G R T N C H N S S S P V S K P S N T F L H A E P A Q V D S V C T S G G T H H D F N Y Y D S N V A F A
UniRef90_W0UVB0 UniRef90_W5PUT0	KESNSFVHTAPLSATAVCRERLTACRNGLVNCHKSVSAMY
UniRef90_L8I621	KEVINTFI HGTRNDI KAIL CNDKNGEPYN NFRRSKSPFQ KDVNTFI HDTKNNI KAIL CGKKGSPYG RNLRLSKSHFQ KGKNTFL HTTFADVVDVCYNTNTT CRNGRTNCHNSSSPVS KPSNTFI HAEPAQVDSVCTSGGTH HDENYYDSNVAFA KESNSFVHTAPLSATAVCRERLTACRNGLVNCHKSVSAMY KPTNTFL HESFSSVTTSCQMPNI TCKNRTTNCHQSSNRVN KDLKTFL HESFSSVTTSCQMPNI ACKNGRNNCHQSQMPVS KYFNTFL HDSFSNVASTCQTFTI TCKNGRELCHQSQEPVF KNLNTFL HDSFSNVASTCQTKSLTCKNGGKNCHKSRGPVS KATNTFL HDSFSNVASTCQTKSLTCKNGGKNCHKSRGPVS
UniRef90_UPI00045DC234 UniRef90_UPI0000E38F45	KNUNTEL HOSESNVASTCOTKSUTCKNGGKNCHKSRGPVS
UniRef90_UPI000333DC39 UniRef90_L8YGF5	KATNTFLHDSLQHVI SVCRHPSTRCVNGQNNCHRSAQPVR KNLNTFLHKSFSNVAATCQNPVKTCKNKRKNCHKSRGPVS
UniRef90_Q5WN11 UniRef90_UPI0003315955	K G N T F L H T S F A S V V D V C G N P H T C K D G R T N C H N S S S Q V S K N N T F H F P F S S V A K T C O T O N K O C K N G R N N C H O S P K P V S
UniRef90_UPI000333E887 UniRef90_UPI0003C42A8F	K Q R N T F L H D A L Q N V I N V C K Q G T T P C N N G Q N N C H Q S A R P V R K Q F N T F I H E N L G A I N N I C R T P N L Q C R N G K E N C H E G V V R K D F N T F V H G S K D S I K A V C K D G G E P Y K N N L R L S T S Q F Q
UniRef90_UPI00038BCEFD	K D F N T F V H G S K D S I K A V C K D G G E P Y K N N L R L S T S Q F Q
UniRef90_H9GD66 UniRef90_H9GD66	KGVNSFVHGSKRQLIDVCGRGGRAFGN NLRRSNRFF
UniRef90_UPI0003F16677 UniRef90_UPI00042CD8AE	KEVNTFI HGSKRQI RAV CADGGVALGD LRRSWRPFR KGVNSFVHGSKRQL I DV CGRGGRAFGN NLRRSWRPFR KYFNTFI HEDIWKI I NI CSTTNI QCRTGEMNCHE WSVVN KDRNTFL HTTFAFVAGI CKTPNI NCSDRRMNCHNSSVQVP KNHNTFL HQSLTSVI ATCDTPNRTCKNGHGNCHESPEPVS KDTNTFI HGTGRSI RDI CGDESGSPYEG NLRISNSAFQ
UniRef90_W0UV80 UniRef90_UPI00033472D3	KNHNTFLHQSLTSVIATCDTPNRTCKNGHGNCHESPEPVS KDTNTFLHGTGRSIRDUCGDESGSPVFG NURUSNSAFO
UniRef90 H9GD65	KPSNTFI HGSHPDVDAII CSDGGTYYT ENYYDSSAYFP

		00 400 440
UniRef90_G3VHY3	ΙŢQ	90 100 110 120 DLTSG KYPNCRYSDACLDRAFVVACDPYQLVPVHL
UniRef90_H0WA49 UniRef90_UPI00045D591A	VITDO	CKLASG KYPN <mark>C</mark> HYQEKHRNARYVVAA <mark>C</mark> ERPQLVPVHL WETGSSRAPNCRYQAK <u>A</u> STRQVAIIA <mark>C</mark> EGNSEVPAHF
UniRef90_UPI00038C1C54 UniRef90_G1PQE2	MTDC	CAILIT G G T
UniRef90_G3UBZ9	MİV	CN L T
UniRef90_G5B5R6 UniRef90_G3TPI9		CRLTRG KYPH <mark>C</mark> PYKDVPQIKFFIVA <mark>C</mark> EPYPLVPVHL CRLTAG KYPKCTY <u>K</u> NAALYKSFIVA <mark>C</mark> DPYPLVPVHL
UniRef90_UPI0003347EFC	I T D C	CS
UniRef90_UPI000334319B UniRef90_UPI0004444F7C	ITDC	CSLTQG KYPN <mark>C</mark> NYREWAQHKFFIIIA <mark>C</mark> NPYQLVPVHL CR <u>H</u> TSG KYPD <mark>C</mark> RYKEKQMDAYFIVA <mark>C</mark> EPYELVPVHL
UniRef90_UPI0003317B80 UniRef90_UPI00032AE825	MTHC	CKLNSG KYPT <mark>C</mark> RYKDAARYKFFIIIA <mark>C</mark> ESYQLVPVHL CHIINPSMYPNCRYOTFOKDRYLIVACOGNPFVPVHY
UniRef90_UPI000388BCC8	L T V	KLNSG KYPTCRYKDAARYKFFIIACESYQLVPVHL HLLNPSMYPNCRYQTFQKDRYIIVACQGNPFVPVHY CELQGGSDPPDCDYSGSSSTSRIVIACENG LPVHL CRHSGSPRPPCRYRASRGFRYIVIACENG LPVHL CKHIGGSPLPPCRYRASRGFRYIVIACEGG LPVHF
UniRef90_UPI0004548F7C UniRef90_UPI00032B1B8A	VTT	CKHIGGSPLPPCRYRASRGFRYII VI ACEGG LPVHE
UniRef90_F7APT4 UniRef90_UPI00042AA0D0	M_LQC	, SILIL S G.L. Y P N C R Y R D A A P Y K F F II. VIA C F P P (JII. V P IV IA II. I
UniRef90_UPI00046BDE32	VTDC	CRLTTGSP GNCRYEGRGSSRNVVIA <mark>C</mark> DGKPPVPVHF
UniRef90_UPI0004434EC6 UniRef90_W0UV14	V T D C	
UniRef90_F7HRN4 UniRef90 L5LPB6		SILIT G G S P P N F C K Y O A T O S F R HIV L LIA C F A N PIL VIPIVIO F
UniRef90_Q8SPZ4	LTM	CGLISG KYLN <mark>C</mark> KYKEEHQNKS <u>Y</u> IVA <mark>C</mark> DPYPLVPVHL
UniRef90_G1PZC9 UniRef90_W0UVJ3	VITE	CS L T
UniRef90_UPI00038EC677 UniRef90_UPI0003343C02	I T D C	CDLTSG MYPHCRYKERQLNAFFI VACEPYQLVPVHL
UniRef90_L5K9C3 UniRef90_UPI000441FDB2	MTNC	NLIAG KYPACRYKEANQSKFFIIACDPYQLVPVHL RLTGGSRPPNCNYRGRUSTQQURVACUNG VPVHF
UniRef90_UPI0003F07C8A	L TE	CK H V S G K Y P N
UniRef90_G7P9N2 UniRef90_S9WL92	L T T	CQLTSG KYPN <mark>C</mark> RYKEKRQNKSYIVA <mark>C</mark> KPPQLVPVHL KLTSG RYPNCRYKEKQ <u>LV</u> APYIVA <mark>C</mark> DPPQLVPVHL
UniRef90_W0UV21 UniRef90_G9KLA3	LTNC	CHIVISG MYPDCNYRDKOMNASFILIA <mark>CDPPPILIPWH</mark> II
UniRef90_I3MKL4	\overline{M} TK	CK L TAG KYPHCRYSDTEEYRF <u>F</u> VV A <mark>C</mark> DPYQ LV P V H <u>L</u>
UniRef90_F1M5W9 UniRef90 W0UUW8	I T D C	CRLITSG KYPKCRYSATAQYKLIFTII ACEGNPL VIPVIHE
UniRef90_G1MNE3 UniRef90_W0UTH1	MTY C	<mark>C</mark> N L T G G
UniRef90_UPI00046BA9CD	VTT	CKNHGGSPRPP <mark>C</mark> RYRAIA <u>E</u> SRY <u> </u> VI A <mark>C</mark> EHG L P V H L
UniRef90_Q8SPZ6 UniRef90_S7N6W5		C
UniRef90_K7EX26 UniRef90_G5B0T9	VTTG	C R L Q G G S Q K P P C R Y N A D V G T H R I R I A C Q E G
UniRef90_G5BFW8	K T V C	CRLIRGSTKPN <mark>C</mark> RYTARA <u>M</u> VANFVVA <mark>C</mark> SPPPLV PVHL
UniRef90_M3X5S1 UniRef90_M7AZE6		RILIA GGA QRPP <mark>C</mark> N YRGRI SI QRII IRIVIA <mark>CI</mark> VIGG — ILIPIVIA Y
UniRef90_UPI00044217FA UniRef90 W0UV01	MTN(COYIVIS G.S. Y P.D.C.K Y K.O.T. F.QIVIA N.YII. VIA C.D.P.P.QII. I IPIVIH F
UniRef90_UPI00033383D5 UniRef90_UPI00042AA39E	T T C	RHVGGSPRPPCRYRATQGFRDTVVACENG LPVHF SHIGGSPRPPCRYRASKDFRRLVIACENG LPVHF
UniRef90_M3WX61	MTD	CT L TSG KYPK <mark>C</mark> KYKDTP L YKF <u>F L</u> A <mark>CD</mark> PYQ <u>W V </u> P V H L
UniRef90_F6PT66 UniRef90_W0UVK0		C
UniRef90_UPI0003C002D3 UniRef90_UPI00042C4CD2	IVIT D (CRFTGSSRAPNCRYRAKA
UniRef90_H0WHZ5	L T L	CER <u>T</u> SG KYPN <mark>C</mark> RYKEKHLNK <u>SY</u> IVA <mark>C</mark> DPFPLVPVHL
UniRef90_UPI0003F131CF UniRef90_W0UVK6	<u>M</u> I K (C K H V G S S P R P P C R Y R A S Q G F R G L V I A C E N G L P V H F T L T S G N Y S N C L Y G N A A L R K S F I V A C D P R Q L V P V H L
UniRef90_UPI0003340A72 UniRef90_UPI0002C5626B	LST	KHUSG KYPN <mark>CN</mark> YREKRLSTDYLVA <mark>C</mark> DPPQLVPVHL
UniRef90_S7PPJ1	V T D	TYTGGSAPYNCRYQATPSTRPVVIACQVMP MPVHF
UniRef90_P03950 UniRef90_Q8WN61	VTT	TYTGGSAPYNCRYQATPSTRPVVIACQVMP MPVHF KLHGGSPWPPCQYRATAGFRNVVVVACENG LPVHL KLHGGSPRPPCRYRATAGFRNLVVACEND LPVHL KLRGGSNRPPCEYKATAGSRDLVIACERG LPVHF TLTRG QFPNCQYRGRAVMKYFVIACNRGPLLPVHL
UniRef90_G1PXU4 UniRef90_F7E3I3	V T L C	C K
UniRef90_UPI0003443D03 UniRef90_UPI00046B1860	V T T C	RHRGGSPRPPCQYRATAGFRHIIVGCEHG LPVHF THKGGSPRPPCKYRATAGFRTIAIIACENG FPVHL
UniRef90_P31346		KHKGGS NR P P C G Y R A T A G F R T I A V A C E N G P V H F
UniRef90_Q64438 UniRef90_Q9JKJ2		CTHKGRSPRP <mark>C</mark> RYRASKGFRYLTI G <mark>C</mark> ENG
UniRef90_UPI0003C2B2BF UniRef90_W0UVB0	LTAC	R V V G G S Q R P P C N Y R P K L S T Q R T R V A C V N R T V P V H Y N L R G G S R Y P N C E Y R N N L V R A H L V V L C N D Q P P L P V H L
UniRef90_W5PUT0	LLQ	NLTAGRSYPNCSYSNNVQYKFFIVACDPRPLVPVHL
UniRef90_L8I621 UniRef90_UPI00045DC234	L T Q	RHRGGSPRPPCQYRATAGFRHIIVGCEHG
UniRef90_UPI0000E38F45 UniRef90_UPI000333DC39	L T L C	KYTSG KYPN <mark>C</mark> KYKGKSKKAHYTVACNPQHLVPVHL QNTGKDVYPRCSYSDTLKVKNFIVACNPLPLVPVHF
UniRef90_L8YGF5		CEHTSG KYPNCRYKEKHMKASYTVACDPPQLVPVHL
UniRef90_Q5WN11 UniRef90_UPI0003315955	V T F C	C N L T T P A R Y T Q C R Y Q T T G S V K F Y R V A C N N R P V V P V H L C K H T S G T
UniRef90_UPI000333E887 UniRef90_UPI0003C42A8F	MT D C	CRLLR SQFPN <mark>C</mark> HYSNTS TKNF V A <mark>C</mark> DPPPLV PV HF CRLTA SFLVNCRYQGRGSSRHVV A <mark>C</mark> EGNPQV PV HF
UniRef90_UPI00038BCEFD	V T N C	CK
UniRef90_H9GD73 UniRef90_H9GD66_	V T T	CTLRGGSTHPPCEYKENTSPRYIVIGCEEG WPVHY CRLTGGSSRPPCNYRENRSNRFIVIACRGGR PVHF CRLIAGSKAPKCRYRAMTGTRQVVIARDGNPALPMHF
UniRef90_UPI0003F16677 UniRef90_UPI00042CD8AE	ATDO	CRL TÁ G S K A P K <mark>C</mark> R Y R A M T G T R Q V V I A R D G N P A L P M H F CNI T R N T N Y T N C S Y R Q T S A K K I FI I I A C F K R P V V P V H I
UniRef90_W0UV80	MT M	NLTRNTNYTNCSYRQTSAKKIFI I ACEKRPVVPVHL QLVSG LYPNCKYKEDHLTKSYI VACDPPQLVPVHL CRLIGGSSRPPCRYRAHSGYRNIVI GCEDG LPVHF CRLVGGSQSPPCNYRGRTNTQRVRVACINGE PVHF
UniRef90_UPI00033472D3 UniRef90_H9GD65		RIVGGSSRPPCKYKAHSGYKNII VI GCEDG LIPVHF RIVGGSQSPPCNYRGRTNTQRVRVACIINGE PVHF

UniRef90_	_G3VHY3	D G I V
UniRef90	H0WA49	D E V I
UniRef90_ UniRef90_ UniRef90_	_UPI00045D591A _UPI00038C1C54	D K D A I V
UniRef90	G1PQE2	DKVV
UniRef90_	_G3UBZ9	D G V I
UniRef90_	_G5B5R6	D G I V
UniRef90_	_G3TPI9	D K I I
UniRef90_	_UPI0003347EFC	D R Y V
UniRef90_	_UPI000334319B	D K V V
UniRef90_	_UPI0004444F7C	D E I I
UniRef90_	_UPI0003317B80	DRIV
UniRef90_	_UPI00032AE825	ETS_
UniRef90_	_UPI000388BCC8	E T Q V
UniRef90_	_UPI0004548F7C	D E S F
UniRef90_	UPI00032B1B8A	DESF
UniRef90	F7APT4	DSIV
UniRef90	_UPI00042AA0D0	D E I V
UniRef90	UPI00046BDE32	D G
UniRef90	_UPI0004434EC6	DSS
UniRef90	_W0UV14	DS_
UniRef90	_F7HRN4	D R∏F
UniRef90	_L5LPB6	D G
UniRef90_	_Q8SPZ4	DKVV
UniRef90_	_G1PZC9	DESF
UniRef90_ UniRef90	_W0UVJ3 _UPI00038EC677	DK
UniRef90_	_UPI0003343C02	D N V F
UniRef90_	_L5K9C3	D K V I
UniRef90	_UPI000441FDB2	
UniRef90_	_UPI0003F07C8A	D K V L
UniRef90_	_G7P9N2	D R V L
UniRef90_	_S9WL92	D K V L
UniRef90_	_W0UV21	D K V I
UniRef90_ UniRef90_	_G9KLA3 _I3MKL4	DKLI
UniRef90_	_F1M5W9	DASV
UniRef90_	_W0UUW8	DNIV
UniRef90_	_G1MNE3	D
UniRef90_	_W0UTH1	D K <u>V</u> V
UniRef90_	_UPI00046BA9CD	ENTI
UniRef90	Q8SPZ6	DKVV
UniRef90	_S7N6W5	G G
UniRef90	_K7EX26	D R S L
UniRef90_	_G5B0T9	D A
UniRef90	_G5BFW8	D
UniRef90_ UniRef90	_M3X5S1 _M7AZE6	D
UniRef90_	_UPI00044217FA	D E
UniRef90	_W0UV01	D K I V
UniRef90_ UniRef90_ UniRef90_	_VV00V01 _UPI00033383D5 _UPI00042AA39E	DESL
UniRef90_	M3WX61	DKVI
UniRef90_	_F6PT66	D
UniRef90_	_W0UVK0	D
UniRef90_ UniRef90_	UPI0003C002D3 UPI00042C4CD2	DKIV
UniRef90_	_H0WHZ5	DKVL
UniRef90_	_UPI0003F131CF	DESF
UniRef90_	_W0UVK6	D
UniRef90_	_UPI0003340A72	D R <mark>V I</mark>
UniRef90_	_UPI0002C5626B	D
UniRef90	S7PPJ1	D R
UniRef90	_P03950	D Q S I
UniRef90	_Q8WN61	D E S I
UniRef90 UniRef90	G1PXU4 F7E3I3	DESF
UniRef90_ UniRef90	_UPI0003443D03 _UPI00046B1860	DESF
UniRef90_	_P31346	DESF
UniRef90	_Q64438	DESF
UniRef90_ UniRef90_	_Q04430 _Q9JKJ2 _UPI0003C2B2BF	DGTF KG
UniRef90_	_W0UVB0	DHLV
UniRef90_ UniRef90_	_W5PUT0 _L8I621	D N V V
UniRef90_ UniRef90_	_UPI00045DC234 _UPI0000E38F45	D N V I
UniRef90_ UniRef90_	_UPI000333DC39 _L8YGF5	E K I V
UniRef90_	_Q5WN11	D E I F
UniRef90_	_UPl0003315955	D S V I
UniRef90_	_UPI000333E887	D R V I
UniRef90_	_UPI0003C42A8F	D G
UniRef90_	_UPI00038BCEFD	D E S V
UniRef90_	_H9GD73	D E S
UniRef90_	_H9GD66	D E
UniRef90_	_UPI0003F16677	A R
UniRef90 UniRef90	UPI00042CD8AE	D K I M N G V F
UniRef90_ UniRef90	_UPI00033472D3 H9GD65	DESF
J 10100_		

```
R E K H F L I Q H Y D S K P
R Y I K F L T Q H Y D A K P T
UniRef90_F6QUQ6
UniRef90_W0UTF1
UniRef90_V8N9W9
UniRef90_V8N9W9
UniRef90_V8N9W9
                                                                                                                                                                                                                UniRef90_H0XKP6
UniRef90_UPI000388C989
                                                                                                                                                                                                      PTQRKTTGRRPTTK
UniRef90_UPI000380C999
UniRef90_UPI00042ADD52
UniRef90_G1Q1D5
UniRef90_UFI000388B45E
UniRef90_UPI0002C67A98
UniRef90_UPI0002C67A98
UniRef90_W0UV54
 UniRef90_Q8WN63
UniRef90_UPI000333B9C0
 UniRef90_L5K6W9
UniRef90_UPI00038EE1A0
 UniRef90_UPI000388FE19
UniRef90_UPI0003889D07
 UniRef90_UPI000441ACFC
UniRef90_UPI0002BCF38F
UniRef90_W0UVH9
UniRef90_F6WQY8
UniRef90_L8YE94
UniRef90_Q9R129
UniRef90_Q9R129
UniRef90_Q9R129
UniRef90_UPI0003441F3B
UniRef90_UPI000328FCFB
UniRef90_UPI00038EA265
UniRef90_Q9JKI0
UniRef90_G1MB87
UniRef90_UPI0003C81C91
UniRef90_UPI0003C81C91
UniRef90_UPI000328D9ED
UniRef90_UPI000328D9ED
UniRef90_UPI000328D9ED
UniRef90_I3N236
UniRef90_UPI000328D9ED
UniRef90_Q6KFY6
UniRef90_Q6KFY6
UniRef90_Q9JKI9
UniRef90_UPI00033BD313
UniRef90_UPI00033BD313
UniRef90_UPI00034BB313
UniRef90_UPI00046B6238
UniRef90_UPI00044TFC34
UniRef90_UPI00044TFC34
UniRef90_UPI00044TFC34
                                                                                                                                                                                       Q D
Q P
                                                                                                                                                                                        E D
                                                                                                                                                                                       T
T
T
T
K V T
T
E S
T
T
P
T
E T
Q T
 UniRef90_UPI0002C57779
UniRef90_UPI0003447DA1
 UniRef90_UPI00046B83FB
UniRef90_UPI0003C8069E
  UniRef90_UPI0003945C1D
UniRef90_Q9JKG2
  UniRef90_UPI00042C8FC0
  UniRef90_H9GQ21
UniRef90_V9H093
UniRef90_G5B0T8
UniRef90_P70709
UniRef90_W0UTJ3
                                                                                                                                                                                                                 UniRef90_F/07/09
UniRef90_WOUTJ3
UniRef90_F7E387
UniRef90_P10152
UniRef90_WOUUX2
UniRef90_WOUUX2
UniRef90_WSPTZ8
UniRef90_WOUUZ7
UniRef90_WOUUZ7
UniRef90_WOUV91
UniRef90_URSPY2
UniRef90_UP10003EE10D4
UniRef90_UP10003EE10D4
UniRef90_UP10003BBBDEF
UniRef90_UP100042AF31B
UniRef90_UP100042AF31B
UniRef90_UP10004420907
UniRef90_UP100042C4456
                                                                                                                                                                                                   T G F P A A A S M S A T P A A A T T S A A T T S A A Y A Y A Y A Y A T W A Y A T W A Y A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T W A T 
 UniRef90_UPI00042C4456
UniRef90_Q9JKI2
 UniRef90_UPI0003AF5B81
UniRef90_W0UTG5
  UniRef90_H9GAD8
UniRef90_P47783
UniRef90_UPI000388A697
UniRef90_UPI000388A697
UniRef90_UPI0003336319
UniRef90_H9GUE9
UniRef90_H0Y0W7
UniRef90_W0UVI7
```

UniRef90_S9XLZ9

UniRef90_F6QUQ6 UniRef90_W0UTF1 UniRef90_V8N9W9 UniRef90_V8N9W9 UniRef90_UPNOW38EO89 UniRef90_UP100038EO89 UniRef90_UP100042ADD52 UniRef90_UP100038ESB0 UniRef90_UP100038ESE5 UniRef90_UP100038B45E UniRef90_UP1000338B45E UniRef90_UP1000333B9C0 UniRef90_UP1000338B45E UniRef90_UP1000338B9C0 UniRef90_UP1000338B9C0 UniRef90_UP1000338B9C0 UniRef90_UP100038BF10 UniRef90_UP100038BF10 UniRef90_UP100038BF10 UniRef90_UP100038BF10 UniRef90_UP100038BF10 UniRef90_UP100038BF10 UniRef90_UP100038BF10 UniRef90_UP10003441ACFC UniRef90_UP10003441F3B UniRef90_UP10003441F3B UniRef90_UP10003441F3B UniRef90_UP100038BA0C5 UniRef90_UP100038BA0C5 UniRef90_UP100038BA0C5 UniRef90_UP100038BA0C5 UniRef90_UP100038BA0C5 UniRef90_UP100038BA0C5 UniRef90_UP100038BA0C5 UniRef90_UP100038BDDD UniRef90_UP100038BDDD UniRef90_UP100033BDDD UniRef90_UP10003BBBDDD UniRef90_UP1000344TDA1 UniRef90_UP1000344TDA1 UniRef90_UP1000344TDA1 UniRef90_UP1000344TDA1 UniRef90_UP1000344TDA1 UniRef90_UP1000344TDA1 UniRef90_UP1000344TDA1 UniRef90_UP100034BBBDDD UniRef90_UP10003BBBDDD UniRef90_UP10003BBBDD UniRef9	FREEERING OF DEATH OF SEARCH OF SEAR	
UniRef90_H0Y0W7 UniRef90_W0UVI7 UniRef90_S9XLZ9	KHINTFLHVDTPEIQAVCGQAGEPTT GDLRESQASFPKPRNTFLHTTYPDVVKVCGTPNIPCPTNRKNCHNSSVPVSKNINTFLHTTFAFVASVCNTPNVTCPTTRMNCHNSSVQVDKPENTFLHTSFQDVAAACDSPNLTYKNSQNNCHEDPKPVH	,) -

	90	100 110 120
UniRef90_F6QUQ6 UniRef90_W0UTF1	I T T C N H S G G S P K P P (KYRATSDFRYITIACENN LPVHL QYRDFKDFRYLVLACED AWPVHF
UniRef90_V8N9W9 UniRef90_V8N9W9	VTTCKLKGSSTKPPC	DYRENESPR
UniRef90_V8N9W9 UniRef90_H0XKP6	VTTCKLKGSSTKPPC	DYRENESPR CRYRASAAVRFIVIACENS LPVFF VYRGDVRSKRIICVACKNGQ _PVHY
UniRef90_UPI000388C989 UniRef90_UPI00042ADD52	IVIT T C RIL IT RIVIS F G R W (CILY RASRDERRII VI IA <mark>C</mark> ENG II IPIVIH E
UniRef90_G1Q1D5 UniRef90_L5LE95	LTDCNLTA EKYPNO VTDCRLTTRSK QNO	H Q K D A A P Y K F F I I A C E P Y H L V P L H L K Y Q G K S R S R R V G V A C K G N P M L P V M L
UniRef90_UPI000388B45E UniRef90_UPI0002C67A98	II IT T C RIVIA P G S R P G R (CIVIY R A RIVIO N R KII IRIVIA C N O RII IPIVIH F
UniRef90_W0UV54	LTYCNLTTPGTVQTC	CKYĀQTĒAĒMFYĪVA <mark>C</mark> DNRPVVPVHL
UniRef90_Q8WN63 UniRef90_UPI000333B9C0	MT E C QL I G K D Q F P N C	CRYTDTHRVQNFI VA <mark>C</mark> DPRPLLPVYL
UniRef90_L5K6W9 UniRef90_UPI00038EE1A0	MITIVICRETGGGIVIPPNI	OVRTRIMIVIRNIVIVIA CSPRPILI IPIVIHILI
UniRef90_UPI000388FE19 UniRef90_UPI0003889D07	T	N Y R G H S S T R R I R V A C V G G L P V H Y K Y R A A L G N T R I R V G C E D R L P V H L
UniRef90_UPI000441ACFC UniRef90_UPI0002BCF38F		RYSENTSQRFIVVRCAGGR PVHF RYRQLSNRKLYLLACRNRPLVPVHL
UniRef90_W0UVH9 UniRef90_F6WQY8	VTDCKVIPGSQPPN	RYHSI AQSRNI VVACVGGQ PVHI
UniRef90_L8YE94 UniRef90_Q9R129	I TTCEHRGGSSRPPC	CRYRAKPSYRNUAVV <mark>C</mark> EDG LPVHF
UniRef90_UPI0003441F3B UniRef90_UPI000328FCFB	II IS P C F II IT S R K Y P G (CKYKDRRGXASYII IAACDPPFII I IPIVIHII I
UniRef90_UPI00038EA265	MTVCRVT DKKYPNO	CRYKATPRTSNF VV A <mark>C</mark> DPPQ LL P V H L
UniRef90_Q9JKI0 UniRef90_W0UVH0	MTVCQLTKG QYPNC	<mark>;</mark>
UniRef90_G1MB87 UniRef90_UPI0003C81C91	WILLERAKGGSPRPP	COYRAIKSYRIVI VIIACRNG FPIVIHII I
UniRef90_UPI000388A0C5 UniRef90_W0UV13	VTTCRVLPGSRPGRCVTDCRLTERS PHC	R Y R A A T G VT R V R V A C V R R L P V H L R Y Q G R G R T R R V V I A C D G Y P L V P V H F
UniRef90_UPI000328D9ED UniRef90_I3N236	L T N C N L K N S P Y T Q C L T C S L T K S K S Y G N C C	KYQQTHLQKFYIVACELRPVVPVHL KYTGVSAREFYIVACDKRPVVPVHL HYKATKDYRVIVIGCEKG WPVHF
UniRef90_F1MSQ0 UniRef90_Q6KFY6	IIII MCEIIII SG KYPN(RYKKKHII NAPYII VIA (CI) PP()
UniRef90_W0UV02 UniRef90_Q9JKI9	I T T C K H K G G S P R P P C	C K Y R A T S G Y R V I V I G C E N D WP T H F C R Y Q R T R A R K F Y R II A C N N Y P V V P V H L
UniRef90_UPI000333D1F1 UniRef90_UPI00038BB313	MTDCQLLGKTQFPNCLTYCNLTTPTHYTQCMTHCX GKYPDC	H Y A D R P K Y K K F T V A C D Q D P L V P V H F R Y Q T S P A T M F Y R V A C N N R P V V P V H L
UniRef90_UPI000328C5CF UniRef90_UPI00046B6238	MTHCX GKYPDO	H Y K D V A Q Y N
UniRef90_UPI000441FC34	PTTYKLISG RCSD	RYKEKQLDAFFI MACDPPQ
UniRef90_A5HAK1 UniRef90_UPI0002C57779	LSTCELT SRKYPG	C K Y K E K H L K K H Y I L A C K P P Q L V P V H L C K Y K E K Q L D A F F I M A C D P P Q C Q Y R G R S S T R Y I V L R C D K G W P V H Y C K H K E K R Q V A S Y I V A C D P P E L V P V H L C N Y S T T L Q N R F Y V V G C E P N Q L L P V H L C E Y R A T A G F R Y I V I S C E H G W P V H L C E Y R A T A G M C M V I V I S C E H G W P V H L
UniRef90_UPI0003447DA1 UniRef90_UPI00046B83FB	MTYCSC PPGPYPNC VTLCKHHGGSSRPPC	NYSTTLQNRFYVVGCEPNQLLPVHL EYRATAGFRYLVVSCEHG WPVHL
UniRef90_UPI0003C8069E UniRef90_UPI0003945C1D		K Y S Q M K M Q M
UniRef90_Q9JKG2 UniRef90_UPI00042C8FC0	T	CRYRATRAYR <u>VIAIIGCQNG WPTHE</u>
UniRef90_H9GQ21 UniRef90_V9H093	I T D C R E T G S S K Y P N (CKYKENKSNRYI VVRCSRGK PVHL CAYKTTQVEKRLI VACAGKPYVPV
UniRef90_G5B0T8 UniRef90_P70709	ATVCRLTRGSTKPNC LTFCNLTTPARYTQC	C
UniRef90_W0UTJ3 UniRef90_F7E387	IIITECR SAGGOYPD(`Y Y N G T A V R K Y F V V A <mark>C I P G R I I P V H I I P V H I </mark>
UniRef90_P10152 UniRef90_W0UUX2	I T C K H K G G S S R P P C	R Y G A T E D S R V I V V G C E N G L P V H F C R Y T N T A A Q S L Y V V A C N N R P V V P V H L R Y G R T R A R K I F I V A C E R Y P V V P V H L
UniRef90_F1MGC2 UniRef90_W5PTZ8	I T F C N L T R N A N Y T N C	RYGRTRARKI FI VACERYPV VPVHL RYRAFTASRI I VIRCEHG FPVHL
UniRef90_W0UUZ7 UniRef90_W0UV91	I T T C T H R G G S T R P P C L T D C D L T R S S N R Q C M T Y C L L T G R R P Q C	T Y R T T Y O N O E Y II V IA C N N S O II I I PIVIHII I
UniRef90_Q8SPY2 UniRef90_V8NB21	LTYCNLTGPQTISNO LTMCKLHRGSWAPDO MTYCNLTGGT YPDO	VÝSSTQÄNKFÝVVÄACENRPVVPVHL NYLETSAWDRLIJACEDG YPVHL
UniRef90_UPI0003EE10D4 UniRef90_UPI0004447B2C	MTYCNLTGGT YPD	RYSTTPQYQRYTVACNPPQLVPVHL
UniRef90_UPI0003344907	I TECNLK SRHPP	E Y Q T I N R K A F I I I G C A G N P L M P V H F
UniRef90_UPI0003BBBDEF UniRef90_W0UVE7	MTLCEVTSG KYPN	RYSTTPQYQRYTVACNPPQLVPVHL KYRATSGSRRIVIACRNG LPSHL EYQTINRKAFIIIGCAGNPLMPVHF KYSATASTRDVTIACERNPLVPVHL KYKENHLKKRYIVACNPPQLVPVHL CHYHKKESTRPIRVGCEKGT PVHL CKYREENLDAFFVVAYDPYELVPVHL CKYREENLDAFFVVAYDPYELVPVHL CKYNGTPGTKRIRIACENNQ PVHF
UniRef90_L8YGF9 UniRef90_UPI0002C4743C	LT Q XLTHLRKYPV	KYREENLDAFFVVAYDPYELVPVHL
UniRef90_UPI0003339E9C UniRef90_P80287	L T D C K N V G G T A P S S C	KYNGTPGTKRURI A CENNQ PVHF
UniRef90_UPI00042AF31B UniRef90_UPI00033452F0	L T F C N L T G P G N Y T Q (ŔŶQŢſŊŔĸĸŶſŢĬĸ <mark>Ċ</mark> ĎŔŊQŢŴ₽ŶŶĔ
UniRef90_UPI0004420907 UniRef90_UPI00042C4456	V	D
UniRef90_Q9JKI2 UniRef90_UPI0003AF5B81	I TVCRLTRGRPYTQC I TICKHKGGSPEPPC	RYRQ QAQHSFI VACDRRPMVPVHL RYQTTRSMEYYKVACNPRPVVPVHL QYRAFSGKRVIVIRCQHG FPVHL RYQNVPATKFYVVACANRPLVPVHL
UniRef90_W0UTG5 UniRef90_H9GAD8	L VDCSITRRTKYMTO VTTCNMKGGSTRPPO	RYQNVPATKFYVVACANRPLVPVHL DYRHDNRPRYIVIACEQG YPVHY
UniRef90_P47783 UniRef90_UPI000388A697	II ITII I <mark>C</mark> QII IN S T N G H R P (DYRHDNRPRYIVIACEQG YPVHY RYTQTTANKYYIVACNNYPVVPVHL TYEKQEKTSKIRVAC NEEHLPVHF
UniRef90_Q9JKG3 UniRef90_UPI0003336319	I T V C N L T G G R N Y T Q C	RYQTKGSVEYYTVACEPRPVVPVHL HYRDAHLTKNFIVACDPPQPVPVHF QYQGTQGLERVVIACEEG FPVHL
UniRef90_H9GUE9 UniRef90_H0Y0W7	MTVCHLQKGSWAPD	Q Y Q G T Q G L E R V V I A C E E G F P V H L
UniRef90_W0UVI7	I T D C NL T S P Q P Y K N (RYSQTSAQMFYVVACDNRPVVPVHL NYRQTSARKYFIVACNNSQVVPVHL RYREAAEYKFYLVACDPPQLVPVHL
UniRef90_S9XLZ9	LILUCSLIGG RYPD	<mark>,</mark>

UniRef90_	_F6QUQ6	DQT
UniRef90_ UniRef90_	_W0UTF1 _V8N9W9	DESF
UniRef90_ UniRef90_	_V8N9W9 _V8N9W9 _U0XKD6	DESE
UniRef90_ UniRef90_ UniRef90	_H0XKP6 _UPI000388C989 _UPI00042ADD52	DESF
UniRef90_ UniRef90_ UniRef90	_G1Q1D5 _L5LE95	E E S I D K E V
UniRef90_	_UPI000388B45E	E R I L
UniRef90	_UPI0002C67A98	D A I F
UniRef90_ UniRef90	_W0UV54 _Q8WN63	DATV
UniRef90_	_UPI000333B9C0	D
UniRef90_	_L5K6W9	D K V
UniRef90_	_UPI00038EE1A0	D
UniRef90_	_UPI000388FE19	DRIL
UniRef90_ UniRef90_	_UPI0003889D07 _UPI000441ACFC	E P T
UniRef90_ UniRef90_	_UPI0002BCF38F _W0UVH9	D G T V
UniRef90_	_F6WQY8	D G
UniRef90_	_L8YE94	D E S F
UniRef90	_Q9R129	D G T F
UniRef90_	_UPI0003441F3B	D K T L
UniRef90	_UPI000328FCFB	D P I F
UniRef90_	_UPI00038EA265	D A
UniRef90	_Q9JKI0	D G T F
UniRef90_	_W0UVH0	DAIV
UniRef90_	_G1MB87	DLTI
UniRef90_	_UPI0003C81C91	D E T L
UniRef90_	_UPI000388A0C5	E P T
UniRef90_	_W0UV13	DS
UniRef90_	_UPI000328D9ED	DQLI
UniRef90_	_I3N236	D G T
UniRef90_	_F1MSQ0	D E S F
UniRef90_ UniRef90_	_Q6KFY6 _W0UV02 _Q9JKI9	DESF DG <u>TF</u>
UniRef90_ UniRef90_ UniRef90	_UPI000333D1F1 UPI00038BB313	DEIV
UniRef90_ UniRef90_ UniRef90	_UPI00036BB313 _UPI000328C5CF _UPI00046B6238	DKI V
UniRef90_ UniRef90	_UPI000441FC34 _A5HAK1	DEGI
UniRef90_	UPI0002C57779	D K [L
UniRef90	UPI0003447DA1	D R T I
UniRef90_	_UPI00046B83FB	A K T V
UniRef90_	_UPI0003C8069E	D N L L
UniRef90_	UPI0003945C1D	A G T
UniRef90_	_Q9JKG2	D G T F
UniRef90_	_UPI00042C8FC0	Q E S F
UniRef90_	_H9GQ21	D K T
UniRef90_ UniRef90_	_V9H093 _G5B0T8 _B70700	D D D U
UniRef90_ UniRef90_ UniRef90	_P70709 _W0UTJ3 _F7E387	D R \square F
UniRef90_	_F7E367	DSTF
UniRef90_	_P10152	DESF
UniRef90	_W0UUX2	DAI
UniRef90_ UniRef90	_F1MGC2 W5PTZ8	DNIT
UniRef90_ UniRef90	_W0UUZ7 _W0UV91	N G T V
UniRef90	Q8SPY2	D T [I
UniRef90	V8NB21	E T E V
UniRef90_	_UPI0003EE10D4	D
UniRef90_	_UPI0004447B2C	D E S [
	_UPI0003344907 _UPI0003BBBDEF	D D G
UniRef90_	_W0UVE7	D N I L
UniRef90_	_L8YGF9	D G
UniRef90_	UPI0002C4743C	DKVV
UniRef90_	UPI0003339E9C	DKII
UniRef90	P80287	E
UniRef90_ UniRef90	_F00267 _UPI00042AF31B _UPI00033452F0	D G I F D G S M
UniRef90_	UPI0004420907	E E G V
UniRef90	UPI00042C4456	D A L I
UniRef90_	_Q9JKl2	D G T F
UniRef90	_UPl0003AF5B81	E K T I
UniRef90_	_W0UTG5	DGT
UniRef90_	_H9GAD8	DE <u>AF</u>
UniRef90_	P47783	D R I I
UniRef90_	_UPI000388A697	E K S M
UniRef90_	Q9JKG3	D G T F
UniRef90_	_UPl0003336319	D R I V
UniRef90_	_H9GUE9	E
UniRef90_	_H0Y0W7	D A □M
UniRef90_	_W0UVI7	D
UniRef90_	_S9XLZ9	D K V V

	1 10 20 30	40
UniRef90_UPI0003D07471	R F T P N O K F O R O H V D P F T R P P Y N D V Y C N O R M K A O G M T	IGIC
UniRef90_UPI0000F2B05E UniRef90 H9GAD6	KETRIQRFWRFHVDNPKSPGGNTKYCTVMIRRRQIE RYIHFLKQH REKSNSNTGGRYCNDMMKKRGLT	RGKC
UniRef90_H9GAD6 UniRef90_UPI0003C2AE35	RETOYAKFOROHI DELSHPPFSDAY <mark>C</mark> NTRMKKOKMT	TPKC
UniRef90 D2I8B6	P T R V Q K F I I Q H L S A G P V Q	NOTC
UniRef90_P10153	PTRVQKFIIQHLSAGPVQ CNIAMRAVNNL TWAQWFETQHINMTSQQ CTNAMQVINNY DPRYQKFLRQHVDADMS VQKCDRAMSLKKIT	QRRC
UniRef90_P10153 UniRef90_E7FH77 UniRef90_G3VWA4 UniRef90_Q9JKG8	RERHFLITQHYDSKP KGRDDKY <mark>C</mark> EKIMRR <u>RGL</u> T	Q P C
UniRef90_Q9JKG8	QTPSQWVALQHUNN NANLQCNVEMQRUNRF	RRTC
LINIRATYOU ISLANG		T D D C
UniRef90_Q9JKJ5 UniRef90_W0UTE6	TPSQWFEIQHVNNRT NLRCNPEMRVVNGY TWAQWFTIQHINMTHTR CDDAMRVVNGY TWAQWFGIQHLNM AHPRCDDAMRVVNGY	I R R C
UniRef90_I3NFN3	T WA Q W F G I I Q H I L I N M A H P R C D D A M R I V V I N G Y	TGRC
UniRef90_E2RG75	KPPTKDTFII IRRII I I IDPGRPII ITDSAY <mark>C</mark> TFFII IKMKNIVIH	NNSC
UniRef90_U3IVH5 UniRef90_UPI0004403BC3	ETRYEKFLRQHVDHPRTGLTGHRYCQVMLARRQVT YRHFLSQHSDPKP KGRDDRYCENMMRSRNPL	ARPC
UniRef90 Q9JKJ0	T P S R W F II I I I I I R N S T T II I I I I I I I I I I I I I I I	TRRC
UniRef90_UPI0002039DF8	Y K T F IL IE H H Y D G P K S N IV IG K N Y C D T M M Q R R G M T	KPNC
UniRef90_UPI0003C2A3B5 UniRef90_M7AUV2	RETPYEKFQRQHIDKSPEPSNTD <mark>C</mark> YCNKMMKKRYMT _SYRQFVTRHFDSPKTAAND <u>R</u> LYCNRMMQSRGLT	
UniRef90 UPI0003D0BDA7	ELRYNKFK <u>RQH</u> IDFPRTRAQD <u>V</u> NY <mark>C</mark> NQMM <u>R</u> R <u>R</u> GMA	SSHC
UniRef90_UPI0003C8E177	TRAQWFY I QHL NMTHSR CDNAMLAVNSH	TGRC
UniRef90_UPI0004423410 UniRef90_V8NDJ5	ELRYNKFKRQHI DFPRTRAQDVNYCNQMMRRRGMA TRAQWFYIQHLNMTHSR CDNAMLAVNSH TRARWFQIQHLNMT HRRCDDAMRVVNRY YEDFLMKHYDFPRSIVGSH YCNAMMQSRGMT	IRVC
UniRef90_035291	QKFYTQHIYNSTYPR CDAVMRVVNRY	RPRC
UniRef90_Q9JKI1	KPIPSQKFGIQHIINKAIPK CDDAWKVVNNI	T G V C
UniRef90_UPI0004624DBA UniRef90_F6TMR0	RYMHFLNEHRDSNPSTGG RY <mark>C</mark> ND <u>IMRKRG</u> LT TLE <u>HLHVDYPQSDIP VRY</u> CN <u>SMILQR</u> SIK	DNAC
UniRef90_P97425	QTPSQWFAI QHIINN NANLQCNVEMQRIINRF	RRTC
UniRef90_UPI00038418C4	T P A Q W F E T Q H V Q P R P Q G C N T A I H K I N K F	SKHC
UniRef90_V8NAA5 UniRef90_UPI0002C669A8	Y T K F L R Q H Y D N P K S K G G D H Y C N K I M Q S H G L S E G V A S T L E Q L H V D Y P Q S D L P V R Y C N Y M L L Q R I I K	FNTC
UniRef90_L5LBR0	M H G V S N Y	TQHC
UniRef90_UPI0003C292DD	KESAYEKFQRQH <mark>V</mark> DEDSPSPYDDAY <mark>C</mark> TQRMQA K NMT	QRTC
UniRef90_G1MMY6 UniRef90_UPI0003347AA9	SVQTFILRHLRAGPLQ KRFQERHLERHENPFN SLY <mark>C</mark> NKVMKQRNLT	NKI <mark>C</mark> RN
UniRef90_W0UV23	T S A R W F F T O H A O P R P O N C N I M M II N T N O Y I	I K H C
UniRef90_W5NLA2	E R Y Q K F L R Q H Y H R G G M S V K D C N T A M S Q R C L N	K P C
UniRef90_UPI0004402EA3 UniRef90_W0UTG9	TWAQWFEIQHINMAHPQ <mark>C</mark> SDNRYRMGMVNRRRM TLEHLHVDYP QDSAPVRY <mark>C</mark> NHMIQQRLIR	F P T C
UniRef90_P47781	TRAQWFAIQHVSLNPPQ CTTAMRVINNY	QRR <mark>C</mark>
UniRef90_L5LD22	TRAQWFAIQHVSLNPPQ SWAQWFEVQHVNMTNAQ CTIAMRVINNY CTIAMQPLNRL	N R P C
UniRef90_L5KJR9 UniRef90_UPI0003834F7B	MMMRRGLIT ETRYEKF <u>LRQH</u> VDPRTSP <u>L</u> SAHRY <mark>C</mark> ETM <u>L</u> AR <u>RQV</u> T	ARPC
UniRef90_M7AYQ5	Y Q K F L L Q H V D A N P T G R D D R Y C T K Q M H H V N P E	G K V C
UniRef90_UPI0003345D67	<u>Q</u> NRHMD PGSGPFGP <u>L</u> Y <mark>C</mark> NRTMNRRN <u>LL</u>	NRNF
UniRef90_M7AT13 UniRef90_UPI0004443C49	PRYEKFLRQHHDHPRTNAGRD Y CGAMMQRRGMA EDRVWLTMEYLHVDYPKSDVH VRYCNSMILQRTIR	F P S C
UniRef90_W0UVH5	T P A O W F A I O H I K M A N S I V C G S A M R V V N S Y	TGHC
UniRef90_W0UV08	KAPTKKTFQNQIVLIADPDRPILISDPHY <mark>C</mark> NDEIVIRMKNIVIH	NRYC
UniRef90_UPI00033310A5 UniRef90_UPI0003C28405	EHLHVDYP QNGVPKRYCNHMILQRNIM SFQEFVSEHVDYPKTGGAKSRYCNVLMQERGMT	TTSC
UniRef90_W0UVK2	TSAQWFETQHVQLSP KRCNMAMRPINQD KPLTKEAFQRCTLIDPERPLIDPDYCTDEMKMKNVH	KKRČ
UniRef90_UPI0002C58C71 UniRef90_K7EY74	K P L T K E A F Q R C T I I I D P E R P L I D P D Y C T D E M K M K N V H P D R Y K H F L N Q H Y D P S P T G H N A R Y C N R K M R S I N G L	K F R C
UniRef90_K7EY74 UniRef90_H2NKI8	TRAQWFAII QH V S L NPPQ CATAMR VI NNY	QRRC
UniRef90_L5LRW6	Y C N T V M P R R G L IT	RPRC
UniRef90_UPI00022F5A93 UniRef90_UPI0003337C3C	E D MATSLEHFHVDYPQNTVP LRYCNFMIQQRAIR	EPTC
UniRef90_G3VEQ9	E D P E LA T L E QLHV D Y P Q S A V A L R Y C N A M L L R K I K T F E E E H L D Y P K S Q H L F R Y C N A M M L L R K I R	NNTC
UniRef90_UPI0002C45A83	K	MP C
UniRef90_I3KYQ3 UniRef90_UPI0002C6362E	EETPYEKFRRQ <mark>H</mark> VDAKMTA EQ <mark>C</mark> NTEISDRNIY KPPTK <u>E</u> DFQKTVI <u>I</u> QPGRPLSDPEY <mark>C</mark> ND <u>E</u> IKMKNV <mark>H</mark>	K N S C
UniRef90_W5LUG7	RYLHFLNQHV FGGMNEKQ <mark>C</mark> DSVIRKRGIT	QNNC
UniRef90_B5XAZ0	Y N H F IL IK Q H IV ID G E M T T IL IK CKS Q M E II L IN IL IN	RPKC
UniRef90_UPI000329049E UniRef90_UPI0003C2AE71	E E V V L T T L E Q L H V D Y P Q T E V P V R Y C N Y M L Q R V I K Y E R F L L Q H V D A N P S G R D D K Y C N D R M R Y M L R R	DHRC
UniRef90_Q29535	C R K M T	QGKC
UniRef90_M3X5I9	E H L H V D Y P Q S D S L V R Y C N H M V L Q R V I R	DNTC
UniRef90_W0UV85 UniRef90_UPI0003345338	KPPTKEAFKTHVI I DSEMPLT DE DYCNLEMKRKRVH EDIVKSTLEHLHVDYPKEDLR RYCNAMIFQRIIR	FNSC
UniRef90_W0UUX5	T P A Q W F F I V Q H I I N M T H R R C N D A M K A I I N K Y	SQFC
UniRef90_UPI0003F0E3BA	T P A Q W F I I T Q H M N M S H P II I C N N A M Q T I I N R I L I	AGRC
UniRef90_H0VQT2 UniRef90_UPI0003599650	E H L H V D Y P K S N P I R Y C N S M V L Q R V I R E H L H V D Y P P N T G P V R Y C N Y M I Q Q R V I R	E P N C
UniRef90_F1S8I0	T L E H L H V D Y P Q S D V P I R Y C N H M I Q R V I K	NNS C
UniRef90_L5K8L3	T P A Q W F E V Q H I N M T N S Q C N I A M Q P I N K H	LNSC
UniRef90_UPI00018B9F37 UniRef90_H9YUW6	E E V V I S T L E H L H V D Y P Q T D V P P S R Y C N Y L I I Q R T I R T K A Q W F A I Q H I N M N P P S C N I A M R V I N K Y	Q R C C
UniRef90_UPI000441D968	PRHKKFLKQHQDFPQTKVVGHDY <mark>C</mark> TVMMLQRGMT	R P C
UniRef90_W0UVF0	T L E H M H V D Y P R S H L P S R Y C N Y L I I E K V I R	E P T C
UniRef90_UPI00027F3BCE UniRef90_UPI0003344E17	T K A Q WF A K Q H I N M N P P R C T I A M R V I N R F K P I T K A V F E R T V L V D G E R P L N D D W Y C D D E T R S K M V H	E Q K C
UniRef90_W0UTJ2	F F T MIVIS T M F HII IHIVID Y P R S D F P IVIR Y C N H MII I IO R II I IK	DNTC
UniRef90_D2I2U2	E E G E V W T M E R L H V D Y P K S D I P V R Y C N R M V L Q R V I R T L E H L H V D Y P Q E G V P P A R Y C N H M L L Q R L L R	DNTC
UniRef90_F7G5R4 UniRef90_UPI00038EFD38	I L L H L H V D Y P Q E G V P P A R Y C N H M L L Q R L L R	E P T C
UniRef90_UPI000334332D	A R E C N A MMA H K K Q H Q P P A F Y R F Q N R H I D V H H N P S N P L Y C N R I M K K K N L N	R
UniRef90_A5HAK0	RYEHFLT QHV YGGITEQT CDRVMRQRRITERAMAATLEQLHVDYPQSDIP IRYCNHMVIQRVIK	RNDC
UniRef90_W5QEN9 UniRef90_W0UUZ9	E E A MA A I LIE QIL HIV DYPQSDII PURYCNHMVI QRVI K	NNTC
UniRef90_W0U029 UniRef90_G3I1R6	MY QRFLRQHVSPQETGGND NY CNLMMQRRKMT	SROC
- · · · · · · · · · · · _ - · · · · · · · ·		- · · · · ·

```
UniRef90_UPI0003D07471
UniRef90_UPI0000F2B05E
UniRef90_UPI0000F2B05E
                                                                              Y S
T S
                                                                                                                                                                      UniRef90_H9GAD6
UniRef90_UPI0003C2AE35
UniRef90_D2l8B6
UniRef90_P10153
UniRef90_E7FH77
UniRef90_G3VWA4
UniRef90_G3VWA4
UniRef90_G9JKG8
                                                                                                                                                                                                                                                                                                            YQTKIDQXQXR%IDRYDRXFTADIQXQ QQYIKIQXXQKRK%QKRQQRQDQRRT QQQIYREQQKQQRQRQQQXQTIJQRRQQQKKXIJRE
UniRef90_I3LGK3
UniRef90_Q9JKJ5
UniRef90_W0UTE6
UniRef90_I3NFN3
 UniRef90_E2RG75
UniRef90_U3IVH5
UniRef90_UPI0004403BC3
UniRef90_UPI0004403BC3
UniRef90_UPI0002039DF8
UniRef90_UPI0003C2A3B5
 UniRef90_M7AUV2
UniRef90_UPI0003D0BDA7
UniRef90_UPI0003C8E177
UniRef90_UPI0004423410
 UniRef90_V8NDJ5
UniRef90_O35291
UniRef90_VONDJS
UniRef90_O35291
UniRef90_Q9JKl1
UniRef90_UPl0004624DBA
UniRef90_P97425
UniRef90_UPl00038418C4
UniRef90_UPl00038418C4
UniRef90_UPl0003C669A8
UniRef90_UPl0003C292DD
UniRef90_G1MMY6
UniRef90_UPl0003347AA9
UniRef90_W0UV23
UniRef90_W0UV23
UniRef90_UPl0003402EA3
UniRef90_UPl0004402EA3
UniRef90_W0UTG9
UniRef90_P47781
UniRef90_L5LD22
UniRef90_L5KJR9
 UniRef90_L5KJR9
 UniRef90_UPI0003834F7B
 UniRef90_M7AYQ5
UniRef90_UPI0003345D67
 UniRef90_M7AT13
UniRef90_UPI0004443C49
 UniRef90_W0UVH5
UniRef90_W0UV08
 UniRef90_UPI00033310A5
UniRef90_UPI0003C28405
 UniRef90_W0UVK2
UniRef90_UPI0002C58C71
UniRef90_K7EY74
UniRef90_H2NKI8
UniRef90_L5LRW6
UniRef90_UPI00022F5A93
UniRef90_UPI00022F5A93

UniRef90_UPI0002337C3C

UniRef90_UPI0003337C3C

UniRef90_UPI0002C45A83

UniRef90_UPI0002C45A83

UniRef90_UPI0002C6362E

UniRef90_W5LUG7

UniRef90_B5XAZ0

UniRef90_UPI000329049E

UniRef90_UPI000329049E

UniRef90_UPI0003C2AE71

UniRef90_UPI0003S2AE71

UniRef90_UPI0003345338

UniRef90_UPI0003345338

UniRef90_UPI0003F0E3BA

UniRef90_UPI0003599650

UniRef90_UPI0003599650

UniRef90_UPI00018B9F37

UniRef90_UPI00018B9F37
 UniRef90_UPI00018B9F37
 UniRef90_H9YUW6
 UniRef90_UPI000441D968
UniRef90_W0UVF0
 UniRef90_UPI00027F3BCE
UniRef90_UPI0003344E17
 UniRef90_W0UTJ2
UniRef90_D2I2U2
 UniRef90_F7G5R4
UniRef90_UPI00038EFD38
UniRef90_UP100033EFD36
UniRef90_UP1000334332D
UniRef90_A5HAK0
UniRef90_W5QEN9
UniRef90_W0UUZ9
```

UniRef90_G3I1R6

		90	100 110 120
UniRef90_UPI0003D07471 UniRef90_UPI0000F2B05E	QTLCV	IQGFGYYPN	CVYRARSYNQRICIACTGN LPVHY CAYVSFPKFKKISLACTGLPRVPVYV
UniRef90_H9GAD6 UniRef90_UPI0003C2AE35	V T T C E	F I R K D P R Q G	CKYKHDNRPRHIAIACDQG YPVHY
UniRef90_D2I8B6 UniRef90_P10153	KTHCS	LTTPSPISN	CSYRTTPQHGLYIVACDPRQLFPVHLCRYAQTPANMFYIVACDNRPVVPVHLCQYRGTSSTRYIVLGCDKG WPVHY
UniRef90_E7FH77 UniRef90_G3VWA4	I IT <u>S</u> CK	HQGGSARSP	CKYRATPGFKYLVIACEHG LPVHL CRYKTTGAEKSYTVACNPRPVVPVHL
UniRef90_Q9JKG8 UniRef90_I3LGK3 UniRef90_Q9JKJ5	VTLCK ITDCR	QTGSSKYPN	CAYKASQQEKHII I VIACEGNPPIVIPIVIH F
UniRef90_Q9JNJ5 UniRef90_W0UTE6 UniRef90_I3NFN3	I V D C N	L T K S S K I T N	C Q Y Q M T P A R K F Y R V A C N N R T V V P V H L C L Y A Q S S A Q K Y Y V I A C A N R P L I P V H L C T Y Q N V A A T K F Y V V A C E P Y L L V P V H L
UniRef90_I3NFN3 UniRef90_E2RG75 UniRef90_U3IVH5	GVY CN	LTRGAKMTD	CEYDSFYRQGYVLITCRWQELVPVYV CNYRARQLQHHVRVACLDG LPVHL CKYRATSGYRVIVIGCEND LPTHF
UniRef90_UPI0004403BC3 UniRef90_Q9JKJ0	TTCK	H K G G S P R P P	CKYRATSGYRVIVIGCEND LPTHF CRYOTTHDVKSYTVACDSRPVVVVHL
UniRef90_UPI0002039DF8 UniRef90_UPI0003C2A3B5	VTTCK	HQGGSTRPP INCNSPRSD	CKYRENKSNRFIDVRCAGN LPVHY
UniRef90_M7AUV2 UniRef90_UPI0003D0BDA7	V T T C R L T A C F	ALPRSRPGH LQGRSQKPP	CRYRAALIGNTKII RIVIA CAKG ILIPIVIHLI CHYKGHTDII QRII LVIS CQ PTILIPII HY
UniRef90_UPI0003C8E177 UniRef90_UPI0004423410	L D F C N I T Y C N	I TRSSRIAN I TRRT <mark>H</mark> YRN	CRYQQTNTRK F V ACANRP VV P V H L
UniRef90_V8NDJ5 UniRef90_O35291	V T T C T I T <u>F</u> C N	IIIMPIRCIO	CRYOLIGSIVIKYYRIVIACENRPIVVIPIVIHIII
UniRef90_Q9JKI1 UniRef90_UPI0004624DBA	V T L C R V T T C D	L T A R A R Y S Q L K G G P P	CRYKTTTSVNYYRVACNRRPVVPVHL CKYSQDNRPRHIAIACDQG YPVHY CRYRVSPTEGFLLVTCDDMG PVNL
UniRef90_F6TMR0 UniRef90_P97425	MTVCK ITVCN	LIEGIRYPA ITSRTPYTQ	CRYRVSPTEGFILVTCDDMG PVNL CRYQPRRSLEYYTVACNPRPVVPVHL
UniRef90_UPI00038418C4 UniRef90_V8NAA5 UniRef90_UPI0002C669A8	MTIVCK	IIFGTRYPA	CRYQPRRSLEYYTVACNPRPVVPVHL CRNKEKQLEAFFIVACD CDYREDASPRYIVIVCKNG LPVHY CRYHLSPTEGFLLVTCDDMGPVNF
UniRef90_L5LBR0 UniRef90_UPI0003C292DD	L T N C D V T D C T	LTAG KYPN FVSGSPPKE	CRYKDSAQYKFFLIACDPPQLIPVHL CMYSARFNTQKICIACTEN LPVHY
UniRef90_G1MMY6 UniRef90_UPI0003347AA9	MTHCY	HTGG RYPN RTGSNPP	C S Y R T
UniRef90_W0UV23 UniRef90_W5NLA2	ITMCF	HISG KYPD	R G T
UniRef90_UPI0004402EA3 UniRef90_W0UTG9	IVITIVICE	LIFGTRYPA	CRYRILIS PT QA FILIQIVIT CDD II IG PIVIS F
UniRef90_P47781 UniRef90_L5LD22	L L H C N L T Y C N	L T N P G N I S N L T G P A R P Y N	CKYADRTERRFYVVACDNRPVVPVHL CQYQQVALLRNYSVACDSGQ I PVHF
UniRef90_L5KJR9 UniRef90_UPI0003834F7B	VIIIICR	H A G G S P W P P	CSYRALEVOHHVRVSCRNG LPVHL
UniRef90_M7AYQ5 UniRef90_UPI0003345D67		I IT G RNP	CKYRAAKDCRTIVIACNDG FPVHF INYQTTNSRKYIIIACDPTGVWPVHF CSYLGHANHRFLVITCDPAG WPMHF
UniRef90_M7AT13 UniRef90_UPI0004443C49 UniRef90_W0UVH5	MTACQ LTDCI	L T E G T R Y P A	CSYLGHANHRFLVIT CDPAG WPMHF CRYHISPTEAFITVACNG LGPVSL CTYRKLTKNKSYVIACAHKPIVPVHL
UniRef90_W0UV08 UniRef90_UPI00033310A5	GVYCS MTVCQ	LITSGTMILVID	CILIY E S E Y K R G E A II I IT C R W Q E II I IP D H IV I
UniRef90_UPI0003C28405 UniRef90_W0UVK2	L T V C R L T N C H	L V IS G M Y P D	CVYSSGSQTRRLRVA <mark>C</mark> HNR LPVRL CNYKDKQ
UniRef90_UPI0002C58C71 UniRef90_K7EY74	GVYCN VTTCT	L T R G A R M S D I S G G S P P N N	<mark>C</mark> EYESSYRKGHVLIT <mark>C</mark> RW CEYRA <u>T</u> HGARTLVIA <mark>C</mark> DGQ <u>GR_PEHF</u>
UniRef90_H2NKI8 UniRef90_L5LRW6	FIYCN VTDCS	L T T P S P L S N L T G T P P K N	C S Y A N T T G R R F Y I V A C D N R P V V P V H L C K Y E G R G R S R R V V I A C Q D N P L L P V R L C R Y Q V S P L E G F I L V T C D D L G P V N F
UniRef90_UPI00022F5A93 UniRef90_UPI0003337C3C	MTVCR	L I D G I R Y P A L I K G T R Y P A	CRY DVS PILE GFIL VII CDD LLG PVN F
UniRef90_G3VEQ9 UniRef90_UPl0002C45A83 UniRef90_I3KYQ3	I T T C R	HVEGXPWPP	CRYHLSSKEGFILVTCDDIGA VNF CKYNSQTKFKSILFNCD ELGPVYL CWYRATQVFRD VVACKND LPVHF CQYEGRLLTNRLIVKCEGK LPVHF
UniRef90_UPI0002C6362E UniRef90_W5LUG7	GVY CN	LTAGVKMSY	CQYEGRELTNREIVKCEGK LPVHF CEYESFYRQGYALITCRWQEIIPDH CKYRGQRSTRHITVGCA QTWPVHY
UniRef90_B5XAZ0 UniRef90_UPI000329049E	V V I C T	HTGGESHPN LIEGTRYPA	CTYKGSSATKKVIIACDGK FPVHY CRYHIISPTEGFIIFIITCDDMG PVDF
UniRef90_UPI0003C2AE71 UniRef90_Q29535	II II I (CK	AHGNKSII ION	CRYRAIRSYRDII VIIGCDE EGEPIVIHII I
UniRef90_M3X5I9 UniRef90_W0UV85	MTVCQ GVHCV	L I G G T R Y P A L T S G I M M P F	CAYKTTRAEKRIIVACEGN CRYHISSVEGFIVVTCDD LGPVTF CEYTSSFKEGWVFITCQWGELIPV
UniRef90_UPI0003345338 UniRef90_W0UUX5	MIVCQ MTFCN	L I E G I R Y P A L K S S G S Y K K	CRYHISPIEAFILVII CNNMGS VNF CEYQQKGGERDYIVL CEYRAVVPIHL
UniRef90_UPI0003F0E3BA UniRef90_H0VQT2 UniRef90_UPI0003599650	MTLCQ LTVCQ	LIKKNPYKL LIGGLTYPA LIDGTPVP^	CTYQQTRALKNYTIACNNRPVVPVHL CRYQVSALEGYVLVTCDN LGPVHF CRYQIHPKEGFVFVTCDD LGPVNF CGYHISPTEGFLVVTCDD LGPVNF
UniRef90_UPI0003599650 UniRef90_F1S8I0 UniRef90_L5K8L3	IVIT N.C.N	LITTPSKYILIN	CRYSOSOAII IKEYTIVIA CECRT RIVIPIVIHII I
UniRef90_UPI00018B9F37 UniRef90_H9YUW6	MTVCR LLQCE	LIEGTRYPA HIGAQNVST	C N Y R L T P L E G F V L V L C D N
UniRef90_UPI000441D968 UniRef90_W0UVF0	VTTCN MTVCO	L Q G T A Q G Q L I E G T R Y P A	CQYWTQTGQQQILISCDPSG WPVHF CRYHISLTEGFVLVTCD EVGPVNF CRYADRPGRRFYVVACERYPVVPVHL
UniRef90_UPI00027F3BCE UniRef90_UPI0003344E17	L L H C D G V Y C K	LINPGNIST LIRGIRMPD	CRYADRPGRRFYVVACERYPVVPVHC CEYE <u>S</u> FFRRGYVLIT <mark>C</mark> RWHQLIPEHV
UniRef90_W0UTJ2 UniRef90_D2I2U2	MTVCK MTVCQ	L I E G R Y P S L V G G T R Y P A	CEYESFFRRGYVLITCRWHQLIPEHV CRYHVSPTEGFILVGCD CRYRMSSMKGFVAFTCDDMG PVSL
UniRef90_F7G5R4 UniRef90_UPI00038EFD38	MIVCQ LTFCK	LIEGIRYPA LSNPSQVPN	CNYLTF MEKVILIS CKNMKL H
UniRef90_UPI000334332D UniRef90_A5HAK0	(; K	RINRHPP	KYQTKNSKKYIVIACDR IWPVHF CRYRGKESSRKIVVACEG EWPTHY CNYRVFATEGFIVVTCDDMGP
UniRef90_W5QEN9 UniRef90_W0UUZ9	GVYCK	L R R G T T L P D	C D Y D S T Y K M G F V L I T C R W Q K L V P V H V
JniRef90_G3I1R6			

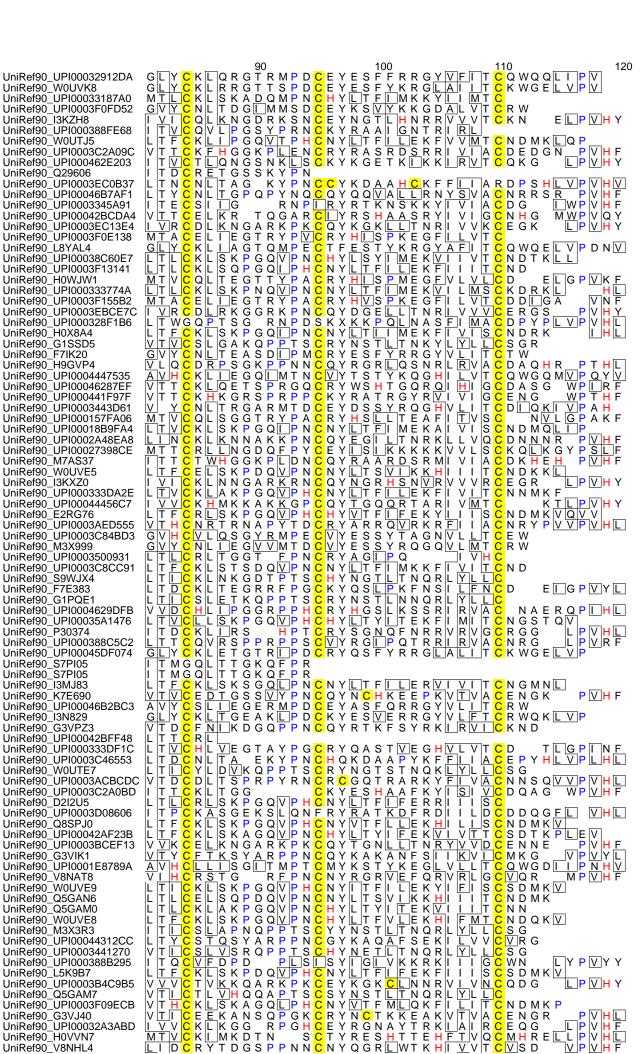
UniRef90	_UPI0003D07471	5
UniRef90_ UniRef90_	_UPI0000F2B05E _H9GAD6	D D E
UniRef90_ UniRef90_	_UPI0003C2AE35 _D2I8B6	G S Y
UniRef90_ UniRef90_	_P10153 _E7FH77	D R I I D E G I
UniRef90 UniRef90	_G3VWA4 _Q9JKG8	D H T L D G T F
UniRef90_ UniRef90	_G061100 _I3LGK3 _Q9JKJ5	D A S V D G T F
UniRef90	_W0UTE6 I3NFN3	D R I F
UniRef90_ UniRef90_	E2RG75	D G I M
UniRef90_ UniRef90_	_U3IVH5 _UPI0004403BC3	A G T E E S F
UniRef90_ UniRef90_	_Q9JKJ0 _UPI0002039DF8	DGTF
UniRef90_ UniRef90_	_UPI0003C2A3B5 _M7AUV2	A R Q P T
UniRef90 UniRef90	UPI0003D0BDA7 UPI0003C8E177	DRII
UniRef90 UniRef90	UPI0004423410 V8NDJ5	D D I I
UniRef90_ UniRef90	_035291 _Q9JKI1	D G T F D G T F
UniRef90	UPI0004624DBA	DE
UniRef90_ UniRef90_	_F6TMR0 _P97425	Q R Y V D G T F
UniRef90_ UniRef90_	_UPI00038418C4 _V8NAA5	E E
UniRef90_ UniRef90_	_UPI0002C669A8 _L5LBR0	QSYV DKVV
UniRef90_ UniRef90	_UPI0003C292DD G1MMY6	D
UniRef90 UniRef90	_UPI0003347AA9 _W0UV23	D R S M D S A F
UniRef90_ UniRef90	_W5NLA2 _UPI0004402EA3	E E G I D A I I
UniRef90	_W0UTG9	EGYV
UniRef90_ UniRef90_	_P47781 _L5LD22	DRL
UniRef90_ UniRef90_	_L5KJR9 _UPI0003834F7B	D E S F A G T
UniRef90_ UniRef90_	_M7AYQ5 _UPl0003345D67	A E S D D S M
UniRef90_ UniRef90_	_M7AT13 _UPI0004443C49	DES QGYV
UniRef90_ UniRef90	_W0UVH5 W0UV08	D G T V D
UniRef90 UniRef90	UPI00033310A5 UPI0003C28405	Q G Y I E Q L L
UniRef90 UniRef90	_W0UVK2 _UPI0002C58C71	_ ~
UniRef90	_01 1000203007 1 _K7EY74 _H2NKI8	D E D T []
UniRef90_ UniRef90_	L5LRW6	D S
UniRef90_ UniRef90_	_UPI00022F5A93 _UPI0003337C3C	Q G <u>F</u> I
UniRef90_ UniRef90_	_G3VEQ9 _UPI0002C45A83	H G V D E S F
UniRef90_ UniRef90_	_I3KYQ3 _UPI0002C6362E	DRDF
UniRef90_ UniRef90	_W5LUG7 B5XAZ0	D G D G D V
UniRef90 UniRef90	UPI000329049E UPI0003C2AE71	Q G F V
UniRef90_ UniRef90	_Q29535 _M3X5I9	QRYV
UniRef90	_W0UV85	
UniRef90_ UniRef90_	_UPI0003345338 _W0UUX5	D
UniRef90_ UniRef90_	_UPI0003F0E3BA _H0VQT2	D D V F H G Y I
UniRef90_ UniRef90_	_UPI0003599650 _F1S8I0	QGYV QRYL
UniRef90_ UniRef90_	_L5K8L3 _UPI00018B9F37	D WI F Q G Y V
UniRef90 UniRef90	_H9YUW6 _UPI000441D968	DRII EES
UniRef90_ UniRef90	_W0UVF0 _UPI00027F3BCE	QGYV
UniRef90_ UniRef90	_UPI0002713B0L _UPI0003344E17 _W0UTJ2	NHLM
UniRef90	D2I2U2	Q G Y V Q G Y I
UniRef90_ UniRef90_	_F7G5R4 _UPI00038EFD38	TAI
UniRef90_ UniRef90_	_UPI000334332D _A5HAK0	DRSM EKGV
UniRef90_ UniRef90_	_W5QEN9 _W0UUZ9	NDLL
UniRef90	_G3l1R6	

```
1 10
REPTKSKFIRKTLIEPGRPLTDPYYCH
EPTKEKFKRKMIIVPGRQISNEEYCS
ETRSQRYGEQHGDDLM ARDCN
KPPMKKSFQKHVIIYPGRSLYDQNYCN
KETPYEKFIRQHVDAK MNVEKCI
SYQQFARQHVNPKTSARNDGIYCI
SRECI
YERFLLQHVHCNPR GRDDAYC
TSYSDFLKRHLDNPKSDQNDETYC
STSNYC
UniRef90_UPI00032912DA
UniRef90_W0UVK8
UniRef90_UPI00033187A0
UniRef90_UPI0003F0FD52
UniRef90_I3KZH8
UniRef90_UPI000388FE68
UniRef90_W0UTJ5
UniRef90_UPI0003C2A09C
UniRef90_UPI000462E203
UniRef90_Q29606
UniRef90_UPI0003EC0B37
UniRef90_UPI00046B7AF1
UniRef90_UPI0003345A91
UniRef90_UPI00042BCDA4
UniRef90_UPI0003EC13E4
UniRef90_UPI0003F0E138
UniRef90_L8YAL4
UniRef90_UPI00038C60E7
UniRef90_UPI0003F13141
UniRef90_H0WJW1
UniRef90_UPI000333774A
UniRef90_UPI0003F155B2
UniRef90_UPI0003EBCE7C
UniRef90_UPI000328F1B6
UniRef90_HOX8A4
UniRef90_G1SSD5
UniRef90_H9GVP4
UniRef90_UPI0004447535
UniRef90_UPI00046287EF
UniRef90_UPI0000441F97F
UniRef90_UPI0003443D61
UniRef90_UPI000157FA06
UniRef90_UPI000157FA06
UniRef90_UPI0002A48EA8
UniRef90_UPI00027398CE
UniRef90_UPI00027398CE
UniRef90_WOUVE5
UniRef90_WOUVE5
UniRef90_WOUVE5
UniRef90_UPI0003EBCE7C
UniRef90_I3KXZ0
UniRef90_UPI000333DA2E
UniRef90_UPI000344456C7
UniRef90_UPI00044456C7
UniRef90_UPI0003AED555
UniRef90_UPI0003C84BD3
UniRef90_M3X999
UniRef90_UPI0003500931
UniRef90_UPI0003C8CC91
UniRef90_S9WJX4
UniRef90_F7E383
UniRef90_G1PQE1
UniRef90_UPI0004629DFB
UniRef90_UPI00035A1476
UniRef90 P30374
UniRef90_UPI000388C5C2
UniRef90_UPI00045DF074
UniRef90_S7PI05
UniRef90_S7PI05
UniRef90_I3MJ83
UniRef90_I3MJ83
UniRef90_K7E690
UniRef90_UPl00046B2BC3
UniRef90_UPl00042BF48
UniRef90_UPl000333DF1C
UniRef90_UPl0003C46553
UniRef90_UPl0003ACBCDC
UniRef90_UPl0003C2A0BD
UniRef90_UPl0003C2A0BD
UniRef90_UPl0003C46553
UniRef90_UPl0003C46553
UniRef90_UPl0003ACBCDC
UniRef90_UPl0003ACBCDC
UniRef90_UPl0003ACBCDC
UniRef90_UPl0003C2A0BD
UniRef90_UPl0003C2A0BD
UniRef90_UPl0003C2A0BD
UniRef90_UPl0003BCEF13
UniRef90_UPl00042AF23B
UniRef90_UPl0003BCEF13
UniRef90_UPl0003BCEF13
UniRef90_UPl0003BCEF13
UniRef90_G3VIK1
UniRef90_UPI0001E8789A
UniRef90_UPI0001E8789A
UniRef90_V8NAT8
UniRef90_W0UVE9
UniRef90_Q5GAN6
UniRef90_Q5GAM0
UniRef90_W0UVE8
UniRef90_M3X3R3
UniRef90_UPI00044312CC
UniRef90_UPI0003441270
UniRef90_UPI000388B295
UniRef90_L5K9B7
UniRef90_UPI0003B4C9B5
UniRef90_Q5GAM7
UniRef90_UPI0003F09ECB
UniRef90_G3VJ40
UniRef90_UPI00032A3ABD
UniRef90_H0VVN7
```

UniRef90_V8NHL4

```
REFERENCE OF TORSES AND STATE OF THE STATE O
                                                                                                                                                                                                                                                                       UniRef90_UPI00032912DA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AND TO THE TENERGY OF TWO POSTS OF THE TANDERS OF T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a
 UniRef90_W0UVK8
UniRef90_UPI00033187A0
 UniRef90_UPI0003F0FD52
UniRef90_I3KZH8
UniRef90_UPI000388FE68
UniRef90_W0UTJ5
UniRef90_UPI0003C2A09C
UniRef90_UPI000462E203
 UniRef90_Q29606
UniRef90_UPI0003EC0B37
 UniRef90_UPI00046B7AF1
UniRef90_UPI0003345A91
  UniRef90_UPI00042BCDA4
UniRef90_UPI0003EC13E4
 UniRef90_UPI0003F0E138
UniRef90_L8YAL4
  UniRef90_UPI00038C60E7
UniRef90_UPI0003F13141
  UniRef90_H0WJW1
UniRef90_UPI000333774A
  UniRef90_UPI0003F155B2
UniRef90_UPI0003EBCE7C
UniRef90_UPI000328F1B6
UniRef90_HOX8A4
UniRef90_G1SSD5
UniRef90_H9GVP4
UniRef90_UPI0004447535
UniRef90_UPI00046287EF
UniRef90_UPI0000441F97F
UniRef90_UPI0003443D61
UniRef90_UPI000157FA06
UniRef90_UPI000157FA06
UniRef90_UPI0002A48EA8
UniRef90_UPI00027398CE
UniRef90_UPI00027398CE
UniRef90_WOUVE5
UniRef90_WOUVE5
UniRef90_WOUVE5
  UniRef90 UPI0003EBCE7C
 UniRef90_I3KXZ0
UniRef90_UPI000333DA2E
  UniRef90_UPI00044456C7
  UniRef90_E2RG76
 UniRef90_UPI0003AED555
UniRef90_UPI0003C84BD3
 UniRef90_M3X999
UniRef90_UPI0003500931
  UniRef90_UPI0003C8CC91
UniRef90_S9WJX4
 UniRef90_F7E383
UniRef90_G1PQE1
  UniRef90_UPI0004629DFB
  UniRef90_UPI00035A1476
  UniRef90 P30374
  UniRef90_UPI000388C5C2
UniRef90_UPI000380302
UniRef90_UPI00045DF074
UniRef90_S7PI05
UniRef90_I3MJ83
UniRef90_I3MJ83
UniRef90_K7E690
UniRef90_UPl00046B2BC3
UniRef90_UPl00046B2BC3
UniRef90_UPl00042BFF48
UniRef90_UPl000333DF1C
UniRef90_UPl0003C46553
UniRef90_UPl0003C46553
UniRef90_UPl0003ACBCDC
UniRef90_UPl0003C2A0BD
UniRef90_UPl0003D08606
UniRef90_UPl0003D08606
UniRef90_UPl00042AF23B
UniRef90_UPl0003BCEF13
UniRef90_UPl0003BCEF13
UniRef90_UPl0003BCEF13
UniRef90_G3VIK1
UniRef90_UPI0001E8789A
UniRef90_V8NAT8
UniRef90_W0UVE9
 UniRef90_Q5GAN6
UniRef90_Q5GAM0
  UniRef90_W0UVE8
  UniRef90_UPI00044312CC
  UniRef90_UPI0003441270
  UniRef90_UPI000388B295
UniRef90_L5K9B7
  UniRef90_UPI0003B4C9B5
UniRef90_Q5GAM7
  UniRef90_UPI0003F09ECB
  UniRef90 G3VJ40
 UniRef90_UPI00032A3ABD
UniRef90_H0VVN7
```

UniRef90_V8NHL4



UniRef90_	UPI00032912DA	
UniRef90_ UniRef90	_W0UVK8 UPI00033187A0	
UniRef90_	UPI0003F0FD52	
UniRef90_ UniRef90	_I3KZH8 UPI000388FE68	GGD
UniRef90_	_W0UTJ5	
UniRef90_ UniRef90	_UPI0003C2A09C UPI000462E203	EES
UniRef90_	_Q29606	
UniRef90_ UniRef90	_UPI0003EC0B37 UPI00046B7AF1	D K V V D R L
UniRef90_	UPI0003345A91	DGS
UniRef90_ UniRef90	_UPI00042BCDA4 UPI0003EC13E4	ΝE
UniRef90_	UPI0003F0E138	D D
UniRef90_ UniRef90	_L8YAL4 UPI00038C60E7	D D I
UniRef90	UPI0003F13141	
UniRef90_ UniRef90_	_H0WJW1 _UPI000333774A	TAI
UniRef90_ UniRef90	UPI0003F155B2	Q G F I Q K D I
UniRef90_	_UPI0003EBCE7C _UPI000328F1B6	DS
UniRef90_ UniRef90	_H0X8A4 G1SSD5	
UniRef90	F7IK20	
UniRef90_ UniRef90_	_H9GVP4 UPI0004447535	E DS[L
UniRef90_	UPI00046287EF	EES
UniRef90_ UniRef90_	_UPI000441F97F UPI0003443D61	DESF
UniRef90_	UPI000157FA06	YEYV
UniRef90_ UniRef90_	_UPI00018B9FA4 UPI0002A48EA8	GGY
UniRef90_	UPI00027398CE	G G Y I P D S V A E S
UniRef90_ UniRef90	_M7AS37 W0UVE5	AES
UniRef90_	I3KXZ0	A K H 🗌
UniRef90_ UniRef90_	_UPI000333DA2E UPI00044456C7	EKDV
UniRef90_	E2RG76	
UniRef90_ UniRef90_	_UPI0003AED555 UPI0003C84BD3	DELL
UniRef90_	M3X999	
UniRef90_ UniRef90_	_UPI0003500931 UPI0003C8CC91	
UniRef90 UniRef90	S9WJX4 F7E383	YKIV
UniRef90_	_F7E363 _G1PQE1	I K I V
UniRef90_ UniRef90	_UPI0004629DFB UPI00035A1476	ΕK
UniRef90	P30374	DGT
UniRef90_ UniRef90	_UPI000388C5C2 UPI00045DF074	
UniRef90_	S7PI05	
UniRef90_ UniRef90	_S7PI05 _I3MJ83	
UniRef90_	K7E690	DAS
UniRef90_ UniRef90	_UPI00046B2BC3 _I3N829	
UniRef90	G3VPZ3	
UniRef90_ UniRef90_	_UPI00042BFF48 _UPI000333DF1C	QGYV
UniRef90_ UniRef90	_UPI0003C46553 _W0UTE7	DKVV
UniRef90	_WOOTE7 _UPI0003ACBCDC	D WI F
UniRef90_ UniRef90	_UPI0003C2A0BD D2I2U5	N E G V
UniRef90_	UPI0003D08606	DKT
UniRef90_ UniRef90	_Q8SPJ0 _UPI00042AF23B	
UniRef90_	_UPI0003BCEF13	ARDI
UniRef90_ UniRef90	_G3VIK1 UPI0001E8789A	NDII
UniRef90_	_V8NAT8	N D
UniRef90_ UniRef90	_W0UVE9 _Q5GAN6	
UniRef90_	_Q5GAM0	
UniRef90_ UniRef90	_W0UVE8 M3X3R3	
UniRef90_	UPI00044312CC	
UniRef90_ UniRef90_	_UPI0003441270 _UPI000388B295	
UniRef90_	L5K9B7	۸. ۵
UniRef90_ UniRef90_	_UPI0003B4C9B5 _Q5GAM7	A G
UniRef90_	_UPI0003F09ECB	ЕРТ
UniRef90_ UniRef90_	_G3VJ40 _UPl00032A3ABD	E R T D R D [
UniRef90_	H0VVN7	E
UniRef90_	_V8NHL4	

```
UniRef90_F6TU58
UniRef90_UPI000388BA39
UniRef90_UPI00042ACE5D
UniRef90_UPI0003C8AD26
UniRef90_UPI000333AE87
UniRef90_UPI000333AE87
UniRef90_V8NBC1
                                               PPSKRKIEKIVLEENWRPLDDPQYCIELMKDRNVYKLRCQISHHDAPPAGCSSWGSAGALWRSRNLQPMYQRFQRQHVDPTVTGGNNS YCNKTMQTQGMTRHTCDERVKKFNNQHIIDPETEKS CDKLIEDREIKNGKHTFRRLHISKGNSSGGGKECCNDMAVWRKVSNGSCMSKRFAKKHI MTESKSCDTAMVPINQAMRKCTFRRLHYSLPPNPGNNKHYCNDMTVWRKVSNGSFRYTHFLRQHV KGDMTIQKCQGVMGYLELTESNC
UniRef90_L5MD90
UniRef90_I3KZH7
UniRef90_W0UVC0
UniRef90_UPI0003339812
UniRef90_B0FFJ3
UniRef90_UPI00046B23FA
UniRef90_UPI0003F07BB1
UniRef90_UPI0003C43B67
UniRef90_L8IBP0
UniRef90_P60154
UniRef90_M7C084
                                               QTALKNFKHLFLDFPRYASSFKGYCNGLMSYVRMQRWDCRFLLRHWNYPRSEAPNGTYCQAMMQRRDL SG
                                           KPPTVKR I EMITIGDQPFNDYDYCNTELRTKQI YKGRC
FIRHHVNNPRTPAPNPRYCSMMMRRRRI Y G
MKNRCLGSP C
```

UniRef90_UPI0003EA7FCE

```
| CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONTINUED | CONT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8KDRUHFSKAPADURKOPAHUPOPHIHFUPSOPHUPROPPHIRDIPSOPHUPROPPHIRDIPSOPHOPSKAPPOPHUPROPPHIRDIPSOROPHOPHIRDIPSOPHOPHIRDIPSOPHOPHIRDIPSOPHOPHIRDIPSOROPHOPHIRDIPSOROPHIRDIPSOPHOPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPSOROPHIRDIPS
UniRef90_W0UV04
UniRef90_UPI0003293214
UniRef90_UPI00046BF550
UniRef90_UPI00046BF550
UniRef90_UPI0003EBECA1
UniRef90_W0UVK4
UniRef90_S9XXR9
UniRef90_UPI00038C00F8
UniRef90_UPI000462C21A
UniRef90_UPI0003346D02
UniRef90_UPI0003441A815
UniRef90_UPI00034405D2
  UniRef90_UPI00039405D2
UniRef90_S7NUN6
    UniRef90_UPI0003333E40
UniRef90_UPI000359E45C
  UniRef90_UPI00034FF333
UniRef90_I3M347
    UniRef90_UPI00046B9822
UniRef90_UPI0002C30820
    UniRef90_W0UTG4
UniRef90_E3TG54
UniRef90_UPI0004434C3A
UniRef90_UPI0004434C3A
UniRef90_M4AYU5
UniRef90_G3VFD7
UniRef90_UPI00032B1DBE
UniRef90_UPI00032B1DBE
UniRef90_UPI00033B1DBE
UniRef90_UPI00033B1DBE
UniRef90_UPI00033475C1
UniRef90_UPI0003336849
UniRef90_UPI00046C19E9
UniRef90_UPI0002C548EB
UniRef90_UPI0002C548EB
UniRef90_UPI0002C68704
UniRef90_UPI0002C68704
UniRef90_UPI00027F8115
UniRef90_UPI00032P8E89
UniRef90_UPI00032P8E89
UniRef90_UPI00038EB9A4
UniRef90_UPI00038EB9A4
UniRef90_UPI00038EB9AB
UniRef90_UPI00038EB9AB
UniRef90_UPI00038EB9AB
UniRef90_UPI00038EB9AB
UniRef90_UPI00038EB9AB
UniRef90_UPI00038BEBAB
UniRef90_UPI0003BEBAB
UniRef90_UPI0003BEBAB
UniRef90_UPI0003BEBAB
UniRef90_UPI0003BEBAB
UniRef90_UPI0003BEBAB
UNIREF90_UPI0003BEBAB
UNIREF90_UPI0003BEBAB
UNIREF90_UPI0003BEBAB
UNIREF9
UniRef90_F6V3S6
UniRef90_UPI00027398C1
UniRef90_UPI0003C275E7
UniRef90_UPI0003EC6636
  UniRef90_I3KDR6
UniRef90_UPI000388D2A5
  UniRef90_UPI0002A4A90C
UniRef90_UPI0002A4A90C
UniRef90_UPI0002A4A90C
UniRef90_UPI0002A4A90C
UniRef90_UPI0002A4A80E6
UniRef90_UPI0003F1243A
UniRef90_UPI0003B8AF50
UniRef90_UPI0003330E40
UniRef90_UPI0003330E40
UniRef90_UPI0003C2A0A4
UniRef90_UPI0003C2A0A4
UniRef90_UPI0003C2A0A4
UniRef90_UPI0003C2A0A4
UniRef90_UPI0003C2A0A4
UniRef90_UPI0003C40A1
UniRef90_UPI0003C4631
UniRef90_UPI0003C46331
UniRef90_UPI0003C46331
UniRef90_UPI0003C4631
UniRef90_UPI00033390CA
UniRef90_UPI00033390CA
UniRef90_F6TU58
UniRef90_UPI000388BA39
UniRef90_UPI00042ACE5D
UniRef90_UPI0003C8AD26
  UniRef90_UPI000333AE87
UniRef90_V8NBC1
  UniRef90_L5MD90
UniRef90_I3KZH7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S K K M M P E N L E V T P E E F N N A P F N L E V M N L E F K V F F T K P F
  UniRef90_W0UVC0
UniRef90_UPI0003339812
  UniRef90_B0FFJ3
  UniRef90_UPI00046B23FA
UniRef90_UPI0003F07BB1
  UniRef90_UPI0003C43B67
UniRef90_L8IBP0
    UniRef90_P60154
```

UniRef90 M7C084 UniRef90_UPI0003EA7FCE

UniRef90_UPI0003EA7FCE

V F Ť

	14/01/11/04	
UniRef90_	_W0UV04	
UniRef90_	_UPI0003293214	
UniRef90	_UPI00046BF550	VKS
UniRef90_	_UPI0003EBECA1	D C .
UniRef90	_W0UVK4	DSL DG
UniRef90_ UniRef90	_S9XXR9 _UPI00038C00F8	DG
UniRef90		
	_UPI000462C21A	
UniRef90	_G3I1R4	
UniRef90_	_UPI0003346D02	
UniRef90_ UniRef90	_UPI000441A815 UPI00039405D2	QRWF
UniRef90	_0P100039403D2 _S7NUN6	DR
UniRef90	UPI0003333E40	NVIV
UniRef90	UPI0003535E40 UPI000359E45C	IN V I V
UniRef90	UPI000339E43C	D
UniRef90	I3M347	D
UniRef90	UPI00046B9822	NSIL
UniRef90	UPI0002C30820	N O I L
UniRef90	W0UTG4	TAI
UniRef90	E3TG54	QÊ
UniRef90	UPI0004434C3A	ĬΤΥΠ
UniRef90	M4AYU5	DSDI
UniRef90	G3VFD7	
UniRef90	UPI00032B1DBE	
UniRef90	E7FH76	ΗE
UniRef90	UPI00033475C1	DG
UniRef90	G3VKR6	
UniRef90	UPI0003336849	
UniRef90	UPI00046C19E9	V R H I
UniRef90	UPI0002C548EB	
UniRef90	_I3KXK7	ARDL
UniRef90	UPI0002C68704	_
UniRef90_	_S7PW52	
UniRef90_	_W5NLA3	DESL
UniRef90_	_UPI00027F8115	
UniRef90_	_UPI0003298E89	D H D L
UniRef90_	_UPI00038EB9A4	
UniRef90_	_UPI0000F62D9E	
UniRef90_	_UPI000388ED68	AGTL
UniRef90_	_Q70IB1_	
UniRef90_	_H0XZT5	
UniRef90_	_L5K8L7	
UniRef90_	_L8YHY0	
UniRef90_	_W5UHP9	E R A G D [
UniRef90_	_I3KYE8	A G D
UniRef90_	_F6V3S6	
UniRef90	_UPI00027398C1	
UniRef90	UPI0003C275E7	
UniRef90_ UniRef90	_UPI0003EC6636 I3KDR6	_
UniRef90	_ISKDR0 _UPI000388D2A5	Γκs
UniRef90	_UPI000300D2A3	V K 3
UniRef90	UPI0002A4A90C	
UniRef90	UPI0002A488E6	H G
UniRef90	UPI0003F1243A	0
UniRef90	UPI00046B1C4C	
UniRef90	UPI000388AF50	
UniRef90	UPI0003330E40	
UniRef90	UPI0002A4A5CC	E
UniRef90	UPI0003C2A0A4	
UniRef90_	_UPI0003890237	
UniRef90	G1NS85	DSTF
UniRef90_	_L5LC43	
UniRef90_	_G3VEI7	
UniRef90_	_M7CKE9	
UniRef90_	_Q5GAN3	
UniRef90_	_G5BFW2	
UniRef90	_UPI0002742B1A	
UniRef90_	_UPI0003C46331	
UniRef90_ UniRef90	_UPI00038913A3 L5K6V8	
UniRef90	_L5K6V8 UPI00033390CA	
UniRef90	_UP100033390CA F6TU58	
UniRef90	_F61036 UPI000388BA39	
UniRef90	UPI00042ACE5D	
UniRef90	UPI0003C8AD26	DETF
UniRef90	UPI000333AE87	
UniRef90	V8NBC1	
UniRef90	_L5MD90	
UniRef90	_I3KZH7	Q
UniRef90_	_W0UVC0	
UniRef90_	UPI0003339812	D
UniRef90_	_G3MZ45	
UniRef90_	_B0FFJ3	G D DI
UniRef90_	_UPI00046B23FA	DNLL
UniRef90_	_UPI0003F07BB1	W 14 11 1
UniRef90_	_UPI0003C43B67	<u>N</u> K H∏
UniRef90	_L8IBP0 _De0454	DS
UniRef90	_P60154	
UniRef90_	_M7C084	EKVL
UniRef90_	_UPI0003EA7FCE	

```
UniRef90_G5B5R2
UniRef90_UPl0003BD87B7
UniRef90_Q98SM2
UniRef90_W0UV26
UniRef90_F7EE66
UniRef90_C1BKN7
UniRef90_Q4R7N1
UniRef90_C1C475
                                                                                                                                                   PPGYNRFVRLING
MYQRFLRQHVHPEETGGND
WATFQRKHI TDKSNINCNNSMVGNLI
SFSDFENKHI VGEGAKINCNQTIKERKINKMF
ISKGNSPFNDKECCNNMIVWRKVANMS
KPPTKER IIEMITVGERPLQDYDYCNSELRAKQIHKGR
TFRSLHYNDPKSSGNDKECCNDMTVWRKVSNGS
KEIAIKNFRDLYTDYPKYPRGFHGYCNGLMGYVRGIRWY
AENFRAVNIDFPKVNFSFQGYCNGLMRGRQKLLKN
FYQKHVIGNMQP TECTQVMRRRGIQNGG
GS
  UniRef90_C1C4Z5
UniRef90_U6D078
UniRef90_UPI0001DE70CF
UniRef90_UPI0003503111
UniRef90_Q5QJV4
UniRef90_Q8TAA1
UniRef90_UPI0003290615
UniRef90_F7A280
UniRef90_I3KY26
UniRef90_UPI0003444271
                                                                                                                                                    FYQKHVIGNMQP

TECTQVMRRRRGIQN

SEAQDLLHHQTDRPRTKISANHYCDLMMKARGLTD

FYLEHVIGNMQP

DQCTTTVIRERGINHD

TTERSDSSLCDFEVYRKNVHDP

YELFIQHIIHRMT

EDECDNVLENRGIFKE

WPTFQQKHLIHRMT

PSTSSIDCNTLMKDIYIVR

DARYIKFLTQHYDANPTGRND RYCDSMMRQRGLTSF

QDLLHHQLDRPKTKISAKHYCDDVMMKVRGLTDF

FRKLHIDQPKSEFSFQGYCNGFMAYVRGRRV

WATFQEQHI

TNTSSINCSNIMNSLYIVGO

SVEKFKKQHIIKPGTKES

CDELIRERKLTGF

TFRDLNIDYPRVKEEFHSYCNLMMRCRWIHRO

SVEKFKKQHIIKPGTKES

CDELIRERKLTGF

EDGYGKFRRQHINAKMTAMD

RFRKHHVDFPQSPANFPNYCEMMMLKRGIYRT

EDREWEKFKTKHI

TSQSVADFNCNRTMNDPAYTDO

KTCNTIMKSIYIVGO

WAKFQEKHI

PNSFQWFVREHVDFPKTSTNDHRYCTTLLMPLWNLTTF

SFSDFLKKHI

VREGANINCOQTIKERELIGNN

WAKFKEKHI

SYNDFKRKHLAP

AGMKEDDCTTLLIVRKIKEKN

TFRQFVSRHVNDPRYKFNFLDYCNGTIMKALYIVGO

WAKFKEKHI

SYNDFKRKHLAP

AGMKEDDCTTLLIVRKKLKEKN

TFRRLRYSFPQRSGPDSNHYNDVTVWRKVSNO

TFRRLRYSFPQRSGPDSNHYNDVTVWRKVSNO

TFRRLRYSFPQRSGPDSNHYNDVTVWRKVSNO
 UniRef90_W0UVF2
UniRef90_I3KXK8
 UniRef90_UPI0003F0D9D8
UniRef90_UPI0003946CA5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KEGPKWGGAWNTGN
UniRef90_UPI0003946CA5
UniRef90_UPI0003946CA5
UniRef90_UPI0003946CA5
UniRef90_UPI00042AEEF1
UniRef90_S9XXT9
UniRef90_UPI00038EA311
UniRef90_UPI00038EA311
UniRef90_UPI0003345E19
UniRef90_UPI000334F519
UniRef90_UPI0003AF757D
UniRef90_UPI0003AF757D
UniRef90_UPI00046C2993
UniRef90_UPI00046C2993
UniRef90_UPI00046C2993
UniRef90_UPI00046C2993
UniRef90_UPI00046C2993
UniRef90_UPI00046C2993
UniRef90_UPI00042BED9A
UniRef90_UPI00042BED9A
UniRef90_UPI0003318611
UniRef90_UPI0003C2A8FD
UniRef90_UPI0003C2A8FD
UniRef90_UPI0003C2A8FD
UniRef90_UPI0003C2BED
UniRef90_UPI0003C2A6FD
UniRef90_UPI00045DC8CB
UniRef90_S9WD87
UniRef90_UPI00038C5FC3
UniRef90_UPI00046BEEC9
UniRef90_UPI00038CDB6
                                                                                                                                                                    PEFKTFLKNHVDYLRTSFSQHNYCRMRMRRVSLNKPNSFQWFVREQVDPKTSATNDHRYCNVMMPRWNLTTHVDEQSQTLYPSPYCNEMMENRDMTTTFRRLHVLQENSPGRDKECCNDVLVWRKEANPPFEHFLWDHWDYSKTSLPNPNYCDRMMWYRGLYSSSMTFRRLHYLPKGNSSGDGKGCNDMTVWRKVSN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P
G
UniRef90_UPI00036CDB6
UniRef90_UPI0003C279D9
UniRef90_UPI0003C44B39
UniRef90_UPI0003C44B39
UniRef90_UPI000383E7DD
UniRef90_URI000338E7DD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N Q<mark>C</mark>
NGV<mark>C</mark>
ANET
TYQY
                                                                                                                                                                                T Y N Y F K R K H I L P E N G S R K C D D M M K N V N G I T P F Q W F K V Q H I L P N S L P C D Q A M I A V N R P I P K G N S P V S D K E C N K M T W S K F S E Q P S Y G Q D P N H P Y C T L L M W S Q G M T
UniRef90_I3KZK6
UniRef90_UPI000333E022
UniRef90_UPI000333E022
UniRef90_UPI000332EF98
UniRef90_UPI0003C00B09
UniRef90_UPI0003F0F9DC
UniRef90_UPI0003F0F9DC
UniRef90_I3KZK3
UniRef90_I3KZK3
UniRef90_UPI00039433AE
UniRef90_UPI00039433AE
UniRef90_UPI0002742C75
UniRef90_UPI0002742C75
UniRef90_I0BWS9
UniRef90_UPI0001DECAB5
UniRef90_UPI0001DECAB5
UniRef90_UPI0001DECAB5
                                                                                                                                                 TFGRLQYGFPKSPSNDKEYCNNTVDWRTVSNGSS

SSLMTFRSLQYSFPKSPGGDRECCNAAMVFWRTVSNGSS
YEAFKKHI PENVSHKCDDMMKNIN EVNKK
VPKGNRPGNDKESDNNMTDWRKVANGSC
TYDDFKRKHILKSLGLDFSQLSCDGMMGT MEFLKC
RRPTKKKFLQMALINSERPLWDPDYCTTGEMMYRNVHKRRM
YGTLKKKHWDYPTTPPKGVSYCNYMMKSRRINYVLR
TFESFKELHVDPYPKTAPNDNEYCKWMGGRGQTKLKA
MGNVNKSTTHC
AAQTFLMRHLPKGTPTSLDQNQWEKFIKSLG GCC
SDMMVWRKVSNTTHC
AAQTFLMRHLPKGTPTSLDQNNNMMINVVNDLN
TYNDFKRKHILPKK GSHDCNNNMMINVVNDLN
SPGNNKMYCSDDMWVWRKVSNGSC
REVTWQKVLTRHYVIDD
MNLSCCNRHNYCNMRMKKMTIY
WETFQKKHITNTR
SFREWTWQKKHITNTR
SFEVFKKMRVDYPRSAPNDQGDCKRLMWRKSRGLTCPAC
GSDKYYCDGMMTWRKSCCNDTTVVCRKEANGSC
SFEVFKKMRVDYPRSAPNDQGDCKRLLMQRRGGLTYLR
GSDKYYCDGMMTWRKKVENRSC
WATFKKKHITNTR
DVKCDANIMST KALFOC
SSPGNNKMYCSDMMTWRKVENRSC
SSSDRECCNEVITI WRKSRGLTDK
SFEVFKKMRVDYPRSAPNDQGDCKRLLMQRRGGLTYLR
GSDKYYCDGMMTWRKVENRSC
WATFKKKHLTDTR
SSSDRECCNEVITI WRKSRGLTYLR
TFESFKELHVUDYPKTAPNDNEYCKWMGGGRGQTKLKK
WATFKKKHLTDTW
DVDCDNLMPT
SSSDRECCNEVITI WRKEANGSC
WATFKKKHLTDTW
DVDCDNLMPT
SSSDRECCNEVITI WRKEANGSC
WATFKKKHLTDTW
DVDCDNLMPT
SSSDRECCNEVITI WRKEANGSC
WATFKKKHLTDTW
DVDCDNLMPT
SSSDRECCNEVITI WRKEANGSC
WATFKKKHLTDTW
DVDCDNLMPT
SSSDRECCNEVITI WRKKEANGSC
WATFKKKHLTDTW
DVDCDNLMPT
SSSDRECCNEVITI WRKKEANGSC
WATFKKKHLTDTR
DVDCDNLMPT
SSSDRECCNEVITI WRKKEANGSC
WATFKKKHLTDTR
DVDCDNLMPT
SSSDRECCNEVITI WRKKEANGSC
WAALFNC
WETFQKKHLTDTR
DVDCDNLMPT
SSSDRECCNEVITI WRKKEANGSC
WAALFNC
WETFQKKHLTDTR
DVDCDNLMPT
SSSDRECCNEVITI WRKKEANGSC
CDSTMDPTNKHTKRE
WETFQKKHLTDTR
DVDCDNLMPT
SSSDRECCNEVITI WRKKEANGSC
CDSTMDPTNKHTKRE
WETFQKKHLTDTR
DVDCDNLMPT
SSSDRECCNEVITI WRKVSNGSC
CDSTMDPTNKHTKRE
CDSTMDPTNKHTKRE
                                                                                                                                                                                                                                       T F G R L Q Y G F P K S P S N D K E Y C N N T V D W R T V S N G S C
UniRef90_UPI0001DECABS
UniRef90_M4AZU3
UniRef90_I3KYF0
UniRef90_UPI0002A49D9C
UniRef90_UPI00038E9525
UniRef90_UPI000338BF5
UniRef90_UPI0003338BF5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CDCCC
UniRef90_UPI0003336BF3
UniRef90_UPI00044476E2
UniRef90_M7BUM5
UniRef90_M7BUM5
UniRef90_Q9DFY8
UniRef90_P22069
UniRef90_M7BPD2
UniRef90_W76FD2
UniRef90_UPI000441AA06
UniRef90_UPI000332F65E
UniRef90_UPI0003F090D2
UniRef90_G1TDF7
UniRef90_UPI00046B48AB
UniRef90_UPI00046B48AB
UniRef90_UPI00046B48AB
UniRef90_Q9DFY6
UniRef90_E2E4J9
UniRef90_Q6EUW9
UniRef90_UPI00032B1E78
UniRef90_UPI000359EF17
UniRef90_Q6EUW8
UniRef90_W5M017
```

UniRef90_E1U696

G Ğ

JANSENSON, GESSERS. M N H H Y F L Q S Y E L Q S Y N L A L Q S D Q T M Q K M S N K T Y E JANSENSON, GESSERS. M N H H Y F L Q S Y E L Q S Y S C Q S N N N N N N N N N N N N N N N N N N		50 60 70 80
Interest	UniRef90_G5B5R2	MNHHYFLQTSYELLQQT <mark>C</mark> YNLIAL <mark>C</mark> SDGTNM <mark>C</mark> KMSNKTVE
Andredo Wolveys	UniRef90_UPI0003BD87B7 UniRef90_Q98SM2	KKIVIN T FILLIS S A T TIVIK A ILI <mark>C</mark> N GIVIT N S NIL IS P T R F Q
MRR890 C18NY	UniRef90_W0UV26	K L RNNFTHGSTEM HG HK V PS <mark>C</mark> DYEPNEPK <mark>C</mark> YKSPE L E
ARABOS CARCAN		K F H N T F II H D T N G K KVK E M C S G II V K S T F M II S K E P II P
All	UniRef90_Q4R7N1	KRENTEI HEDLWNI RSI CSTTN QCKEWQG
June Propose	UniRef90_C1C4Z5	K P I N T F I Y S T A A T V Q D I C R G E Q G P K N V A S S R S F K
All	UniRef90_UPI0001DE70CF	KSHNTFIHDG GNVMKLL CAGINN QSTFVISKEAMP
Section Sect	UniRef90_UPI0003503111	
Section Sect		Y P E R Y I V IG M S Y E ELLSK A C Y G Q R V IQ C K N G V K F C R R S M D L I D K W S N N E I I R S S T E V M R R IV H R A P S C E V O N P G I S C C E S I E I E N
Section Sect	UniRef90_UPI0003290615	PRIHYVI HAPWTI I QHF CKYSENF CENYNEY CTVT QD TYP
Section Sect		PNVHYVLHAPWEKVKI SCHKTDSFCEDFNEYCSLSQDVFP
Section Sect	UniRef90_UPI0003444271	GLVHPLCHSAPPNVTITCSWPNRTCRPRGNNCHQSA <u>NPI</u> N
Jimerego Uplo003946CA5	UniRef90_W0UVF2	_ N_ N_ N_ N_ E V D_ O V O E U N_ U U E U E U U U N_ U O E N_ U D U U U E N_ U O E N_ U D U U U E N_ U O E N_ U O U U U U E N_ U O E N_ U O U O
Jimerego Ogosom	UniRef90_UPI0003F0D9D8	X E E H Y F I RENYED V R K I CYGP V E CKNGT R CSKSSE EMR
Jamesego	UniRef90_UPI0003946CA5	KEMNTFILISDVKTVKSII CKGRTDGDIISESLIFE
Junkergo	UniRef90_UPI00042AEEF1	KDRNTEL HGNKDSL KAV <mark>C</mark> GENGNPYKN NIRLSISEEO
Junkerson Junk	UniRef90_S9XXT9	KKTKTFVHSVSPNTGGLCNYTDVYCDVXNAVCTLTOPALS
Junkerson Junk	UniRef90_Q98SL8	KKVNTFI ASSATTVKGL CSGVTDKKVLSSTKFQ
Junkergo	UniRef90_W0UV48	KQLHTFI HKNLTTI ADFCRTPPVPCTNSPSSCHNRTHDVN
Junkergo	UniRef90_UPI0003345E19	PKVHYWI HAPWKVI KGL CRHSDNF CESYNEF CTFT RESFP
Junkergo	UniRef90_UPI0003AF757D	KDTNTFILDNPSDIKKICVEGFDETLQMT KSHKRFK
Interesto	UniRef90_UPI00046C2993 UniRef90_P85072	K P V N T F I H S T T G P V K F I C R R A T G R V N K S S T O O F T
Interesto	UniRef90_I3IXE0	KPLNTFLKEKLASIKAL CEDKKNDTL SHTCD
Jinkergo UP100031267070	UniRef90_P18839 UniRef90_UPI00042BED9A	KSTHTEI HAPASHI QAI CGHGGT CDRCYH
Jinker90	UniRef90_UPI0001DE70D0	K R H N T F I H D T D C R K V R E M C T G I S K S T T V I S K E V M P
Jinker90	UniRef90_UP10003318611	KERNTFI I SSEDNIVIKALI CSGVISPDRKE LISTTSFK
Jinker90	UniRef90_A5HAK2	
Jinker90		KL R NI F V H G SI E MI H GI H K F P N C K C A L N E P N R Y E S P E R
Jinker90	UniRef90_S9WD87	KSSNNFI YGSTEVI CGVSEAPSCKSGNPGI SCSESLEH G
Jinkef90_UP1000348CD8	UniRef90_S9VD87 UniRef90_UPI00038C5FC3	VIT CRNHSTII CYQSTII IMFK
Jinkef90_UP10003C27909 Jinkef90_UP10003C44B39 Jinkef90_UP10003C44B39 Jinkef90_UP10003S44B39 Jinkef90_UP10003S857DD Jinkef90_UP10003S857DD Jinkef90_UP10003S857DD Jinkef90_UP10003S857DD Jinkef90_UP10003S857DD Jinkef90_UP10003S857DD Jinkef90_UP10003S857DD Jinkef90_UP10003S857DD Jinkef90_UP10003S857DD Jinkef90_UP10003S857BB Jinkef90_UP10003S00B99 Jinkef90_UP10003C00B99 Jinkef90_UP10003F9DC Jinkef90_UP10003C0B99 Jinkef90_UP10003AB3ABA Jinkef90_UP10003ABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	UniRef90_UPI00046BEEC9	K PII IN T FII I <mark>H</mark> K PII IE AII IK SIVI <mark>C</mark> R T N GII IP F P P DIL IR K S K N T F K
Jinkef90 UP10003C44B39 Jinkef90 UP10003S49B39 Jinkef90 UP10003S2F98 Jinkef90 UP10003F0F9DC Jinkef90 UP10003A3ABA7 Jinkef90 UP10003A3ABA7 Jinkef90 UP10003A3ABA7 Jinkef90 UP10003A3ABA7 Jinkef90 UP10003A4ABA8 Jinkef90 UP10004A476E2 Jinkef90 UP10003A5AAFA729 Jinkef90 UP10003A5AFA729 Jinkef90 UP10003A5AFA729 Jinkef90 UP10003A5AAFA729 Jinkef90		
IniRef90_UP1000332EF98	UniRef90_L8YA50	KLSNDFIPGSVEVVHRIYKASGCKCRNVGRSCCESPE LD
IniRef90_UP1000332EF98	UniRef90_UP10003C44B39	GSSNNFI PGSLEVI PGVHKAPSCFEQNPGLSCCGSPKLEN
IniRef90_UP1000332EF98	UniRef90_UPI000383E7DD	KQKHFFLQASYEDIQQI <mark>C</mark> DNTFVQ <mark>C</mark> SSGIRK <mark>CH</mark> RSWNVIA
IniRef90_UP1000332EF98	UniRef90_UPI000333E022	KQRNTFLHDALQNVINVCKQGTTPCNNVLENKITSSTQSH
Jirikef90	UniRef90_W0UUZ4	TEILINNFILIASEAEIVI AKIVIAKA TS <mark>U</mark> KKU KN <mark>UU</mark> USEEILIEN
Juikef90	UniRef90_UPI000332EF98	HRTFAYIVAGII CNTRNIVIT CKPGRMNCHNSSIVQVP
Juire190	UniRef90_W0UVA8	MLS N N F I LG S M E V I R G V P K A H S Y K C G N L G M N C S D S P G P E
Juire190		KLRNNFIHDSTEMMHGIPKFPSCRYELNEPSCYESPK LK
JniRef90	UniRef90_I3KZK3	KKINTFIKQTADSVKALCKNKKDEYI TSEFD
JniRef90	UniRef90_UPI00039433AE	KPVNTFI JANEEEVKALCK GKONRTITYK FD
JniRef90	UniRef90_G3VUW8 UniRef90_UPI0002742C75	KASHII FII YAII WSQII EDII CYRDGIL DRYENVR VWSKKPFK
JniRef90	UniRef90_I0BWS9	NUFI HASEHOLKNUC PKYDDGEWTTD NPFS
JniRef90	UniRef90_E2E4J5 UniRef90_UPI0001DFCAR5	NIYII HAPDSELLLAACNRKKY KLINHEYGRTSRLIP KGPSTFLHESFSRVATTCOTPTIVACKNAOFNCHOTAFPFP
JniRef90	UniRef90_M4AZU3	RPTQSFLHPDLEKVKSVCSSRGG KVLKDNLCLSKQPFT
JniRef90	UniRef90_I3KYF0 UniRef90_UPI0002A49D9C	KSILNIFIKDKGNLVI LIHKATTILKNGFVI THKFD RPTQSFLHPDLDRVRAVICSDFGG KVFKDNICISOOPFT
JniRef90_Q9DFY8	UniRef90_UPI00038E9525	KWSNSFIHGPTEVIHRVSKASS <mark>CKC</mark> GQNRGIRRESPELEN
JniRef90_Q9DFY8	UniRef90_UPI0003AEA729 UniRef90_UPI0003338RF5	MILIS N N F II H US M E IV V IG R IV IS K T P R UK Y Q N P G II IS US E R Q E P G H L R N S F II H D S R E R II H F II IY K A P S C K C F II N II G II N R D N IV V F
JniRef90_Q9DFY8	UniRef90_UPI00044476E2	KETNTFI TGEKDVKAI CKDKPDGKTQSTNKFN
JniRef90_Q9DFY8	UniRef90_M7BUM5 UniRef90_M7BUM5	KPVNIFVHAPSEHLNHII CMGNGII PII PP NILLRSTRFYLLKPVNTFVHAPSEHLNHII CMGNGII PII PP NILLRSTRFYLL
JRINE(190	UniRef90_Q9DFY8	KQKNTFI YARPGRVQAL CKN TI VSKNV LSTDEFY
JniRef90	UniRef90_P22069 UniRef90_M7BPD2	K D K N I F II Y S K P E P V K A I C K G I A S K N V L T T S E F Y K A S N F I H A P F N Q V Q N I C G C G N T S T F T S M P V S H T S T S P
JNIRef90_UP100035P65E	UniRef90_UPI000441AA06	INLF HVS ESDLKD CPKQYTGQWKTVSPVP
JniRef90_G1TDF7	UniRef90_UPI000332F65E UniRef90_UPI0003F090D2	KILIS N D F II H G F M G II I H K IV IS K A S H W K C G Q II P A IV IS Y S E S P M Q II L R N N L I H G T II E R II R G II H K II S S IV R G H P M F P H C D K S P F II D
JAIRE190_UP100046B48AB	UniRef90_G1TDF7	RLS N D L T C G T M E G L R G V Q K M P S C K C G N P G V S C C Q R A E P E K
JniRef90_E2E4J9 NTYI HAPDSELLIAACNRKK YKLNHEYGRTSRLPTT JniRef90_Q6EUW9 KQTNTFLFARPPRVQALCKNIKDNTD VLSRDEFY JniRef90_UP100032B1E78 GLSDIFPHGAVEMTRGLQKVPRCSCRRGKSIC GSADLE JniRef90_UP1000359EF17 KSLSVCLHLSFPNVTATCQTLKLACKNGVLN JniRef90_W5M017 KEMNTFIYALPGRVQALC JniRef90_W5M017 RNLHTFIVALPGRVQALC JniRef90_E1U696 KYRNTFIYALPGRVQKYERNTRNLCRSTNK	UniRef90_UPI00046B48AB UniRef90_O9DFY6	K W S K N F II H G A M E V M H Q V H K A P S C K S G N P G L R C C E S P E L E N K D K N T F II Y S II P G P V K A II C R G V I F S A D V I S N S F F V
JNIRef90_Q6EUW9	UniRef90_E2E4J9	NTY HAPDSELLAACNRKK YKLNHEYGRTSRLPTT
JniRef90_UPI000359EF17 KSLSVCLHLSFPNVTATCQTLKIACKNGVLN JniRef90_Q6EUW8 KEMNTFIYALPGRVQAL JniRef90_W5M017 RNLHTFIVTSTTGVENICRHQGKYERNTRNLCRSTNK JniRef90_E1U696 KYRNTFIYSRPRGVENLCRGKINATNVS SSSKFA		KQINIFILFARPPRIVQALL <mark>C</mark> KNIKDNTD VLSRDEFY GISDIFPHGAVEMTRGILOKVPRCSCRRGKSIC GSADIF
JniRef90_Q6EUW8 K E M N T F	UniRef90_UPI000359EF17	K SLSVC HLSFPNVT ATCQTLK ACKNGVLN
JniRef90_E1U696 KYRNTFII YSRPRGVENL CRGKIINATNVS SSSKFA	UniRef90_Q6EUW8 UniRef90_W5M017	KEMNTFII YALIPGRIVQAL CRHOGKYERNTRNII CRHOGKYERNTRNII CRHOGKYERNTRNII CRHOGKYERNTRNII CRESTNIK
	UniRef90_V/3W017 UniRef90_E1U696	KYRNTFI YSRPRGVENL CRGK NATNVS SSSKFA

```
90 100 110 12 CRUS CK GG YPVHY LT CRUS CK GG YPVH SVT SLKK ML I LT CRUS CK GR YPVH SVT SLKK ML I LT CRLS GT QHPD CVYD GT A STRRLRVS CERR L LWPT HY
                                                                                                                                                                                                                                                                                                                                                                                                                                                 120
UniRef90_G5B5R2
UniRef90_UPl0003BD87B7
UniRef90_Q98SM2
UniRef90_W0UV26
UniRef90_F7EE66
UniRef90_C4BKNIZ
UniRef90_C1BKN7
                                                                                                  LTDCIRT SDRGPPCPYRSDSQDNVICVTCQRTR PVHFVTTCRHVGGSPWPPCRCRATPGFRRIFVACKHG LPVHF
VTTCRHVGGSPWPPCRCRATPGFRRIFVACKHG LPVHF
LTDCLLMKDSPPPNCAYNQIGETGFINITCENN YPVHF
TACQLTTGKQFPRCQYHSVTSLKKILTVLAGHPLM
GVRCVLESGERMVDCMYTTIYMTGYPVVTCQWDK
TVCQFTTGKQFPRCQYHSVTSLKKILTVLAGHPLM
ITLCTLAHKQPPSSCYYNSTMGNYKIYLLC
ITTCSRVKETPPTTCLYNETTSTQRVYLLCRKYNAKPIHI
VVVCSHVHTSSYPNCRYTGQHLDNRIVIMCENG VPVHL
VTSHYHTRG RYPDCSYSTTPQNKFYVVAWDPHQLTPVGL
VTQCNLYPEAVPPHCYYEGVTFQMDVRIVCVGKR PIHL
IVECRHDGRSKSPNCIYAGQRYDRRIVVKCNNRE PVDL
GLYCKLIREAKFPECSYESIYIKGFPLIT
IJDCELKSKTKKPPCKYNGKRQFKRIEVSCEGG YPVHY
 UniRef90_Q4R7N1
 UniRef90_C1C4Z5
UniRef90_U6D078
UniRef90_UPI0001DE70CF
UniRef90_UPI0003503111
UniRef90_Q5QJV4
UniRef90_Q8TAA1
UniRef90_UPI0003290615
UniRef90_F7A280
UniRef90_I3KY26
UniRef90_UPI0003444271
UniRef90_W0UVF2
UniRef90_I3KXK8
UniRef90_UPI0003F0D9D8
UniRef90_UPI0003946CA5
UniRef90_Q98SM1
UniRef90_UPl00042AEEF1
UniRef90_S9XXT9
UniRef90_UPl00038EA311
                                                                                                 VTQCNLYPDAVPPHCYYKGITLWRDVSVVCVGKH

VTQCNLYPDAVPPHCYYKGITLWRDVSVVCVGKH

LTVCVLASEQPSTSCFYNTYMSDQRLYLLCSHR

LDILCTRIFITPRPCPYSSRTETNYLCVKCENQYP

VTACFASTGTRPLHCHYQ

VTTCTVAFKEQPTSCNYNTSLSNQRLCLLC

VVKCELKNGARKPRCQYT

VTTCTVAFKEQPTSCNYNTSLSNQRLCLLC

VVKCELKNGARKPRCQYT

VTTCRYSPQIG

SYLEENYSRHIVIGCWNR

LTTCK

NPLRCKYSQSNTTNFICITCRDN

YF

LTTCK

NPLRCKYSQSNTTNFICITCRDN

LTTCK

NPLRCKYSQSNTTNFICITCRDN

VF

LTTCLRSSATAPRP

CPYNSRTETNVLCVKCENR

LF

LTTCLRSSATAPRP

CPYNSRTETNVLCVKCENR

LF

LTTCLRSSATAPRP

CPYNSRTETNVLCVKCENR

LF

TTTCLRSSITPRP

CPYHPSPDNNKICVKCENR

LF

VINC

TKLENLIDCKYNGVKRTTDLLLTCENR

LF

TTTCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTAGKEFPRCQYHSTSLTKMLTV

TTTCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKMLVV

MTVCQLTMGKQSPRCQYSVTSLKKKLVLRCCNGFPV

TTCRYDKTHNKRH

WYNGTFYRRHILIRC

YQTFF

TMCQLTSGKQFPRCQYRSVTSLKKLVLRCCNGFPV

VINCKRKSEKP

CKYKSLVLKKKTLM

TVCQLTSGGWNSFCLYTSSYKEXWVFITCQWRNDV

VINCKRKSEKP

TVCQLSPGKQFPRCQYHSITSLKKLLM

TVCQLSPGKQFPRCQYHSUTSLKKKLLM

TVCQLSPGKQFPRCQYHSUTSLKKKLLM

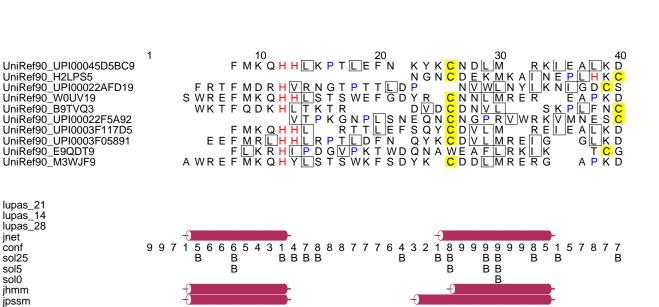
TVCQLSPGKQFPRCPYTSTSLKKKLLM

TVCQLSPGKQFPRCPYTSTSLKKKLLM

VINCKRKSEKP
                                                                                                                                                                                                                                                                                                                                                                                                                      PIHL
UniRef90_UPI00038EA311
UniRef90_UPI00038EA311
UniRef90_Q98SL8
UniRef90_W0UV48
UniRef90_UPI0003345E19
UniRef90_UPI0003AF757D
UniRef90_UPI00046C2993
UniRef90_UPI0004C2993
UniRef90_I3IXE0
UniRef90_UPI00042BED9A
UniRef90_UPI00042BED9A
UniRef90_UPI0003318611
UniRef90_UPI0003218611
UniRef90_UPI0003C2A8FD
UniRef90_UPI0003C2A8FD
UniRef90_UPI0003C2C8CB
                                                                                                                                                                                                                                                                                                                                                                                                               YPVHF
                                                                                                                                                                                                                                                                                                                                                                                                             L P V L Y
Y P V H F
L P V H L
L P V H F
                                                                                                                                                                                                                                                                                                                                                                                                               YPVHF
                                                                                                                                                                                                                                                                                                                                                                                            K Q L P V H F
UniRef90_UPI0003C2A6FD
UniRef90_UPI00045DC8CB
UniRef90_S9WD87
UniRef90_UPI00038C5FC3
UniRef90_UPI00046BEEC9
UniRef90_UPI00038CDB6
UniRef90_UPI000382DB6
UniRef90_UPI0003C279D9
UniRef90_L8YA50
UniRef90_UPI0003C44B39
UniRef90_W0UVC1
UniRef90_UPI000383E7DD
UniRef90_ISIZK6
LTSCYKFGGRYFPD GDTRNITIYCQ
NVICKVTKGKQVPGCQSHSVTSLKK
TTMPQLSIRKHSLRCQYQSITSFKK
TMCQLPTGRQFPRCRYHSVTSLKKLL
TMCQLTTNIQFPRSKYH
LAECNVK PRKPCKYKLKKSSNRICIRCE
LYGCK
LPECNRTK LPCHYKLKKPLNTICLTC
LSVCQLPAGKQFPRCQYHSVTSLKKLLM
UniRef90_W76FD2
UniRef90_UPI000441AA06
UniRef90_UPI000332F65E
UniRef90_UPI0003F090D2
UniRef90_G1TDF7
UniRef90_UPI00046B48AB
UniRef90_UPI00046B48AB
UniRef90_UPI00046B48AB
                                                                                                                                                                                                                                                                                                                                                                                            HELPVHF
UniRef90_E2E4J9
UniRef90_Q6EUW9
UniRef90_UPI00032B1E78
                                                                                                                                                                                                                                                                                                                                                                                     RKELPVHF
UniRef90_UPI000359EF17
UniRef90_Q6EUW8
UniRef90_W5M017
                                                                                                    L P Q C D R I K
V T II Y D L N K K D Q
L F E C I E K S R
                                                                                                                                                                                                       LPCHYKLSSSTNTICITCVNQ LPIHFTKCRYSVTEEMRYVALGCDWKGCFPVHYPCKYKLKKQTNVICITCEHK VPVHF
```

UniRef90_E1U696

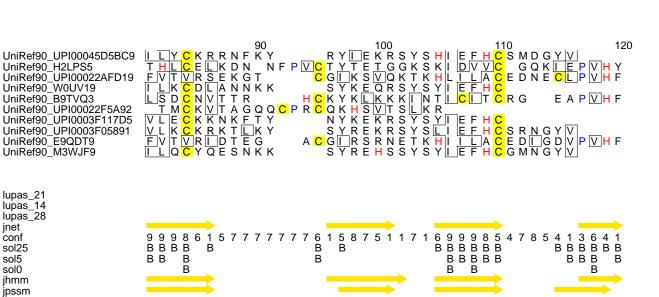
UniRef90_	_G5B5R2	K C A F
UniRef90_ UniRef90	_UPI0003BD87B7 Q98SM2	KSAF AGI
UniRef90	_W0UV26	
UniRef90_ UniRef90	_F7EE66 _C1BKN7	A G Y E G D V
UniRef90_	_Q4R7N1	
UniRef90	_C1C4Z5	ΝΚ
UniRef90_ UniRef90	_U6D078 UPI0001DE70CF	D E S F A G Y
UniRef90	_UPI0003503111	_
UniRef90_ UniRef90	_Q5QJV4 _Q8TAA1	
UniRef90_	_UPI0003290615	
UniRef90	_F7A280	VGLF D
UniRef90_ UniRef90	_I3KY26 UPI0003444271	D
UniRef90	_W0UVF2	DE DSTV
UniRef90_ UniRef90	_I3KXK8 _UPI0003F0D9D8	DSTV
UniRef90_	_UPI000310D9D6	
UniRef90	Q98SM1	AGI
UniRef90_ UniRef90	_UPI00042AEEF1 S9XXT9	ΝE
UniRef90	UPI00038EA311	
UniRef90_ UniRef90	Q98SL8	AGI
UniRef90	_W0UV48 I3KGK9	
UniRef90	_UPI0003345E19	
UniRef90_ UniRef90	_UPI0003AF757D UPI00046C2993	
UniRef90_	_D1 10004002333 _P85072	VKT
UniRef90	_I3IXE0	VKT QET AGI
UniRef90_ UniRef90	_P18839 _UPI00042BED9A	A G
UniRef90	_UPI0001DE70D0	AGY
UniRef90_ UniRef90	_UPI0003318611 P14626	VGI
UniRef90	_F 14020 _A5HAK2	GRS
UniRef90	UPI0003C2A8FD	
UniRef90_ UniRef90	_UPI00045DC8CB S9WD87	
UniRef90	_S9WD87	
UniRef90	_UPI00038C5FC3	QGYV HE
UniRef90_ UniRef90	_UPI00046BEEC9 UPI000388CDB6	пЕ
UniRef90	UPI0003C279D9	
UniRef90_ UniRef90	_L8YA50 UPI0003C44B39	
UniRef90_	_W0UVC1	
UniRef90_ UniRef90	_UPI000383E7DD I3KZK6	ERGI
UniRef90	_ISKZK0 _UPI000333E022	E K G
UniRef90	_W0UUZ4	
UniRef90_ UniRef90	_UPI000332EF98 _UPI0003C00B09	
UniRef90	_W0UVA8	
UniRef90_ UniRef90	_D2I820 UPI0003F0F9DC	D
UniRef90_	I3KZK3	
UniRef90	I3MWV4	
UniRef90_ UniRef90	_UPI00039433AE G3VUW8	ERGI EDT
UniRef90	UPI0002742C75	
UniRef90	_IOBWS9	
UniRef90_ UniRef90	_E2E4J5 UPI0001DECAB5	
UniRef90	_M4AZU3	ΕĢ
UniRef90_ UniRef90	_I3KYF0 _UPI0002A49D9C	E A E G
UniRef90	UPI00038E9525	LO
UniRef90	UPI0003AEA729	
UniRef90_ UniRef90	_UPI0003338BF5 UPI00044476E2	
UniRef90	_M7BUM5	
UniRef90_	_M7BUM5	
UniRef90_ UniRef90_	_Q9DFY8 _P22069	VGV
UniRef90	_M7BPD2	
UniRef90_ UniRef90	_UPI000441AA06 UPI000332F65E	
UniRef90	_UPI0003F090D2	
UniRef90	G1TDF7	
UniRef90_ UniRef90	_UPI00046B48AB _Q9DFY6	A G V
UniRef90	_E2E4J9	
UniRef90_ UniRef90	_Q6EUW9 UPI00032B1E78	A G V
UniRef90	_UPI00032B1E78 _UPI000359EF17	
UniRef90	_Q6EUW8	AGV
UniRef90_ UniRef90	_W5M017 E1U696	YAS VGV
J (0100_		<u> </u>



50 60 70

K D S H L F L Y T P W H L I D N I C F K T W K E R Y R N V Y V W A Q Q P F K D K N T F I V D P S H S L H E I C D G K K D Q E P A T S K D P F R P T Q S F L D P E L K R V K A V C S K N G G K T Y K D N L C I S Q Q P F K N Y H L F I Y T L W H Q I E H I C I R N W R D R Y R N V Y I W A P Y P F K D R N T F I F S R P E P V K A L C K G V K D K N V L S R S E F Q L V N N F I H G S T D V I H G V P E A T S K W G Q S P S L S C C E S L R L E K D S H L F L Y A S W H Q I E I V C F K T W Q Q R Y R N V Y V W S Q Q P F K D S H M F L Y T P W H Q I Y K I C Y K T W A K R H R N T Y V W A Q Q P F R P T Q S F F R A T E K Q V E N V C S K D G G K T L S G N L C I S K E K F R N Y H T F L Y T L W H K L E H L C L R K W R D R Y R N V Y L W A Q H P F UniRef90_UPI00045D5BC9 UniRef90_H2LPS5 UniRef90_UPI00022AFD19 UniRef90_W0UV19 UniRef90_B9TVQ3 UniRef90_UPI00022F5A92 UniRef90_UPI0003F117D5 UniRef90_UPI0003F05891 UniRef90_E9QDT9 UniRef90_M3WJF9 lupas_21 lupas_14 lupas_28 jnet 2 2 2 B 6 5 5 B B 7 5 1 B B B 3 2 4 6 6 B B B B conf sol25 B B B sol5 sol0 jhmm

jpssm



UniRef90_UPI00045D5BC9
UniRef90_H2LPS5
UniRef90_UPI00022AFD19
UniRef90_W0UV19
UniRef90_B9TVQ3
UniRef90_UPI00022F5A92
UniRef90_UPI0003F117D5
UniRef90_UPI0003F05891
UniRef90_E9QDT9
UniRef90_M3WJF9

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0

jhmm jpssm 7 7 6 8