QUERY	1 10 20 30 SIPPEVK FNKPFVFLMIEQNTK SPLFMGKVVNPTQ
UniRef90_L5JP19	SI PPTVQFNRPFLFI TYDKNTKSPLFMGKVMNPTQ
UniRef90_UPI0003C2A0E8 UniRef90_O54763	S L P P T V K F N R P F L L L I V D K H T C S L F M G K I V N P T E S L P P D V R F D R P F L I L I Y E H Y T K S P L F V G K V V N P T Q
UniRef90_UPI00046B3079 UniRef90_UPI000388F654	SLPPDVRFDRPFLIIIYEHYTKSPLFVGKVVNPTQ SIPPEVKFDRPFLMMLFDQNTESPLFMGRVMDPTQ SLPPIIQFNRPFLIMIDRSTDALLFLGKIVNPTE SMPPSVDFNKPFLIIIVDRDTKSPLFMGKVVNPTQ SIPPEVEYNRPFFFIIYDQSTKAPLFVGKVVNPTQ
UniRef90_F1PCE5	SMPPSVDFNKPFLIII VDRDTKSPLFMGKVVNPTQ
UniRef90_UPI0004404287 UniRef90_UPI0003992B0D	SILIPPHILIPNEPFILI MILIPDELI NSILLIFIVIGELI VINP
UniRef90_UPI0003991E8D UniRef90_UPI00045DBBC6	S V P P V L K F N R P F L L L I V D Q Y T Q S L L F M G K I V N P A E S L P P T V K F D S P F L L L I Y D K E T K S P L F V G K V V N P L Q
UniRef90_UPI00042BF2D4	PI TI KENRPEI MTI VDKNTOST I EMGKI VNPTK
UniRef90_UPI00046BA161 UniRef90 Q91X22	SILIPPNIVIEENRPEIVI IAILIYDKD LKAPILIEIVIGKIVVIN PI
UniRef90_Q09055 UniRef90_UPI0003332333	S MP P I L R F D H P F L F I I F E E H T Q S P I F V G K V V D P T H P I M K F D R P F L V V I Y E H N T K S P L F V G K V V N P T Q S V P P E V N L N R P F L Y M L Y E Q H T K S L L F M G K I V N P T Q
UniRef90_UPI0003315B07	SMPPVIRVNRPFHFLIYEEPSRTLLFLGRVMDPT SMPPVIKVDRPFHFMIYEEVSRALLFLGRVVNPM
UniRef90_UPI00044411CF UniRef90_UPI00038E971D	S M P P E V N F N R P E V V V I V S H S T D S P II F II G K V M D P T O
UniRef90_UPI000395ABD5 UniRef90_UPI0003D074F3	PPRIVIRENRPEILI VIIIDKEIHIIVIEILIGKII VINPKO
UniRef90_H0WJ03	PPI I KFNKPFLMVI VEKNTHSI LFVGKI VDPT SIPPDVKLNRPFVFLI YYEITKSPLFVGKI VNPTQ SLPPDVEFSRPFLCI LYDRNTKSPLFVGKVVNPTQ
UniRef90_I1WXR5 UniRef90_UPI00038C3FE5	S L P P D V E F S R P F L CI L Y D R N T K S P L F V G K V V N P T Q S V P P E V N F N S P F L V I I Y D S L T Q S P L F V G K V V D P T Q S M P P R L I V D R P F L F L I Y H E K T N S I L F M G R V I D P T K
UniRef90_W5N5S5 UniRef90_Q8JIA6	SMPPRLIVDRPFLFLIYHEKTNSTLFMGRVIDPTK SLPPVVKLNRPFLFSIVDKTAHSVLFMGKVVNPKE
UniRef90_G1KCG5	S L P P V V K L N R P F L F S I V D K T A H S V L F M G K V V N P K E S L P P T V R V N R P F L F M I Y E E I L N T L L F M G R V I N P T E S E P V T L R L N W P F L V L I F D H Y T W S P L L L G K V V N P
UniRef90_UPI00034F5B89 UniRef90_G1KCM0	SEPIVITI RILIN WPEIL VILLED HYLWSPILLIGKIV VIN P
UniRef90_E1BS56 UniRef90_I3NHE8	TILI <mark>H P</mark> ILLIQ F N R T FILLIMILLIFK S T R SIV LIFILIG K IV V ID P T F
UniRef90_UPI0002BCE3D7	TLHPIIQFNRTFLLMILEKSTRSVLFLGKVVDPTE PLTIRFDRPFVVMIFDDFTWSSLFLGKVVNPTK SMPPTVSFNRPFLLIIHSKETKSPLFLGRVGNPLQ
UniRef90_UPI0003340CFE UniRef90_I3IY14	SILPOALITIINRPELLIELIEHSTRSILIEMGKIINNPT
UniRef90_K7FUQ7 UniRef90_H2SLS0	S L P Q A I T L N R P F L L F I L E H S T R S I L F M G K I N N P T L P P R I K F N R P F L L M I V D R N I R S I L F M G K I I N P S M P G T M K V D R P F L V L I L E R S T R S I L F M G K I N N P T S V P P T I R V N R P F L F M V F E E T F K T L I F M G R V V N P T E S L P P D V S Y N R P F I A L I H D N T T K A P L F V G K V V N P T Q
UniRef90_UPI0003C27CA9	SIVIPPIII IRIVIN RPEILIE MIVIE E E LE KIILI LIE MGRIV VIN PIE
UniRef90_UPI0003C8A3EF UniRef90_P17475	SILIPPQIVIK FUMPFII IF MII VIESE I QSPILIFIVIGKIV I IDPI R
UniRef90_UPI00038EE4CA UniRef90_UPI00033347B0	SEPVTFNFNHPFLILIFDDFTWSPLLMGKVVNP SEPVTLRFDRPFLILIFDHFTWSTLFLGKVVNP
UniRef90_W5MU53	P L T L T F N R P F H F V I  S N H E T R S I L F M G K I V N P T
UniRef90_M3WCX0 UniRef90_G7Q3D5	SKPLAVHINRPFIVMI FDHFTWSSLFLGRVMNPTLHPII QFNRSFMLLILERSTRSILFLGKVVNPMETI MFNRPFLVI KDDNTNFPLFMGKVVDPTQ
UniRef90_UPI00027F8D89 UniRef90_I3IY10	PPTII IKII IDRPFII VIFII I IFNSTKSII I IFMGKII INNPS
UniRef90_I6LL64	S M P P T IVIT IVID R P F IV V I I I IY D F K T R A IV I IF M G R IVIA D P K Q
UniRef90_G1NKG8 UniRef90_Q63969	SAPPVIKVDRPFLFMIFEETFKTLLFIGRVVDPTE SLPPLLHFNHPFVFTIVETHTQTPLFVGKVVDPTR SMPPNVYFLRPFIFTIIDHSTYSPLFVGKVMDPTQ
UniRef90_G5B496 UniRef90_F7DEE8	S M P P NIVIY E II IR P E II IE I II I II) H S I Y S P II IE IVIG K IVIM D P I O
UniRef90_W5KHQ1	L PPR L IFNRPF <u>H</u> F IV YHEA <u>I</u> KS  <u>L</u> L HMGR VV DPIK
UniRef90_UPI00032ADAEA UniRef90_Q4QY84	SMP FILIM RILID R P FILIV VIL <mark>C</mark> E H S T K SILI I F M G K ILIN N P
UniRef90_W5L5F3 UniRef90 G5ASH1	S M P T T F T V N R P F F F F I Y H E A T N S L L F M G R V I D P T K S K A F T I K F N R P F F L F I R G E N T N I P L F V G K V V N P T Q P R I L R F N R P F L V A I L S P D T Q S I L F L G K I V N P T E S M P E V M N L N R P F M V F I L E H S T K S L L F M G K I S D P T
UniRef90_UPI00046BD38E UniRef90_G3NMM5	PRILRENRPELVALLSPDTQSILFLGKIVNPTE SMPEVMNLNRPFMVFILEHSTKSILFMGKISDPT
UniRef90_Q64118	S P P D V C F K N P F V V I I C D K H T Q S P L F V G K V V N P T Q
UniRef90_UPI000333F83A UniRef90_UPI000441AB20	SIPPDVCFKNPFVVIICDKHTQSPLFVGKVVNPTQ HATMQFNRPFLLMILEKSTKSLLFLGKIVDPME SVPPDFQYNRPFLMLIFDTKANATLFVAKIKNPTH SEPLSIRFNRPFVVLIFDNFTWSSLFLVKVVDPTQ
UniRef90_UPI00046BE1D5 UniRef90_UPI000333710B	S V P P D F Q Y N R P F L ML I F D T K A N A T L F V A K I K N P T H S E P L S I R F N R P F V V L I F D N F T W S S L F L V K V V D P T Q T I K F N R P F L L F I R E E N T N I P L F V G K V L N P T Q P R I K F N R P F L I M I V E K H T L S I L F M G K I L N P
UniRef90_UPI0003D0CAEE	PRIKENRPELIMIVEKHTUSILEMGKILNP
UniRef90_U3JIJ9 UniRef90_UPI0002234042	PRIKFNRPFLIMIVEKHTLSILFMGKILNP PPHITFNKPFLMMIIDKTTDALLFLGKIVNP IVRFNRPFLMTIFSSDTQSILFMGKVVNPKK SMPRSLKLNRPFLLVISNHETGSIHFMGKIVNPT
UniRef90_UPI0003EAC860 UniRef90_Q7ZZW1	
UniRef90_G1KWY8	SPPPTVKCDKPFLELICDKMTNSI LFFGKVVNPTE SLPDTMLLNRPFLVFI VEDSTKSI LFMGKI SNP
UniRef90_W5KQ72 UniRef90_UPI0003872027	
UniRef90_K4GDE3 UniRef90_R0JS12	
UniRef90_UPI000440513D UniRef90_UPI0003F1017E	SEYLTI NFNMPFLII I KDENTNIPLFMGKVVNPMQ PPI I KFNRPFVI AI FDDMTWSSVFLGKVVNPT
UniRef90_P50451	PPI KFNRPFVI AI FDDMTWSSVFLGKVVNPT SKPI I MRFNQPFL I MVFDHFTWSSLFLGRVVNP SLPPLVEFKQPFLFL LYDGNTDNPLFVGRVVNPLQ
UniRef90_UPI0003F0B65D UniRef90_H2UWN4	P P R I T I N R P F I F I I V H O T I G S V I F M G R V T N P
UniRef90_UPI000398FA67 UniRef90_F1NPN5	
UniRef90_UPI0002C447B4	PRIVLIR F S R P F IL V V I L IS T S T Q S II L IF M G K IV V ID P T K
UniRef90_UPI0003C492EC UniRef90_F7DYU6	HLTI K F N R P F L V I I M D E N A N M P L F M G K M V N P M M P P I L R V D R P F H F M I Y E D V S G T L L F M G R V V D P S R S L P I R V E L N R P F M Y M I R H E P T G A L L F L G R V V D P T K
UniRef90_H2XXI4 UniRef90_Q9GK37	SUPIRVEINRPFMYMIRHEPTGALLFUGRVVDPTK PVTVHFNRPFIVMVFDHFTWSSLFLGKIVNLT
UniRef90_UPI00042ABFA6	
UniRef90_UPI000350725B UniRef90_P61939	S V P V V I R M N R P F L L V I T L R E N T L F M G K I V N P L E L H P V I R L D R A F L L M I L E K R T R S V L F L G K L V N P T K
UniRef90_F7DEQ3 UniRef90_W5MU73	MPSLVKFNQPFLVIITDDFTDSILFLGKVANP SLPPSLTFNRPFLFIISNHENNSIFFMGKIVNPAE PLIVDFNRPFLLFIISKDTQSILFGGKVVDPSQ LPPNIKFNQPFLITIYDQETRSTLFLGRITNPK
UniRef90_F6ZLR1	PLIVDENRPELLE I ISKDTQSILEGGKVVDPSQ
UniRef90_Q7SYX0	I PPNIKFNQPFLITI YDQETRSTLFLGRI TNPK

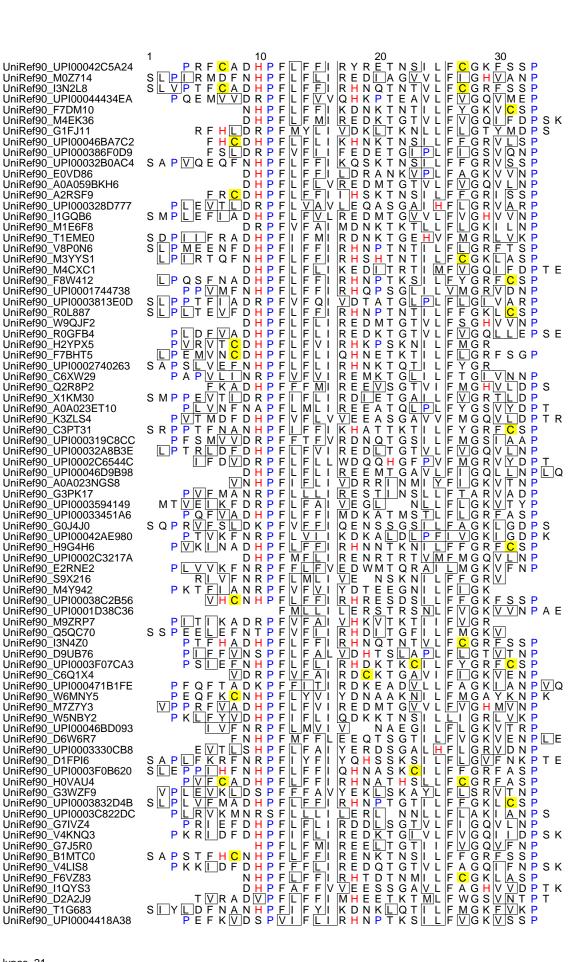
SMP   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   F   D   P   R   K   D   P   R   K   D   P   R   K   F   D   P   R   K   F   D   P   R   K   D   P   R   R   P   M   M   M   K   D   P   R   K   D   P   R   R   P   M   M   M   M   M   M   M   M   M
June 1990
June 1990   19
June 1990   19
Windleston   Orlicoxys   Control
Windleston   Orlicoxys   Control
Windleston   Orlicoloss   Section   William
URIREGIO UPI0003081759 URIREGIO UPI0003081761 URIREGIO UPI00003081761 URIREGIO UPI00003317621 URIREGIO UPI00003317621 URIREGIO UPI00003317621 URIREGIO UPI00003317621 URIREGIO UPI0000331761 URIREGIO UPI000331761 URIREGIO UPI00331761 URIREGIO UPI00331761 URIREGIO UPI00331761 URIREGIO UPI00331761 URIREGIO
UniRed   U
UniRed   U
UniRed   U
UniRed   U
Unike90 - PUNDH
Unike90 - PUNDH
UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP1000337495   UniRef90   DP1000337495   UniRef90   DP10003376361   UniRef90   DP10003376361   UniRef90   DP10003286363   UniRef90   DP10003286363   UniRef90   DP10003286363   UniRef90   DP10003386363   UniRef90   DP10003286363   UniRef90   DP10003386363   UniRef90   DP10003466364   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   Un
UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP1000337495   UniRef90   DP1000337495   UniRef90   DP10003376361   UniRef90   DP10003376361   UniRef90   DP10003286363   UniRef90   DP10003286363   UniRef90   DP10003286363   UniRef90   DP10003386363   UniRef90   DP10003286363   UniRef90   DP10003386363   UniRef90   DP10003466364   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   Un
UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP1000364749   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP10003274935   UniRef90   DP1000337495   UniRef90   DP1000337495   UniRef90   DP10003376361   UniRef90   DP10003376361   UniRef90   DP10003286363   UniRef90   DP10003286363   UniRef90   DP10003286363   UniRef90   DP10003386363   UniRef90   DP10003286363   UniRef90   DP10003386363   UniRef90   DP10003466364   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   UniRef90   DP1000466664   Un
UniRel90
UniRel90
UniRel90
UNIRE90 UNIOWSMW74 UNIRE90 UNIOWSM74 UNIRE90
UniRef90_G3N8X9 UniRef90_UP1000462CC78 UniRef90_UP1000462CC78 UniRef90_UP1000462CC78 UniRef90_UP10003316381 UniRef90_UP10003316381 UniRef90_UP10003316381 UniRef90_UP10003316381 UniRef90_UP1000328A416 UniRef90_UP1000328A426 UniRef90_UP1000328A508 UniRef90_UP1000328A508 UniRef90_UP1000328A508 UniRef90_UP1000328A508 UniRef90_UP1000328A508 UniRef90_UP1000328A508 UniRef90_UP1000328A508 UniRef90_UP100032A508 UniRef90_UP100033A6841 UniRef90_UP100033A6841 UniRef90_UP100032A5368 UniRef90_UP100032A5368 UniRef90_UP100032A5368 UniRef90_UP100035B611 UniRef90_UP100033A614 UniRef90_UP100032A5368 UniRef90_UP10032A5368 UniRef90_UP10032A5368 UniRef90_U
Uniker90
Uniker90
Dirikef90
Dirikef90
Dirikef90_UP10002384716    Dirikef90_UP10003281E26    Dirikef90_UP10003281E26    Dirikef90_UP10003281E26    Dirikef90_UP10003281E26    Dirikef90_UP10003281E26    Dirikef90_UP10003281E26    Dirikef90_UP10003281E26    Dirikef90_UP10003281E26    Dirikef90_UP10003318A21    Dirikef90_UP10003318A21    Dirikef90_UP10003281E26    Dirikef90_UP10003338614    Dirikef90_UP10003338614    Dirikef90_UP10003338614    Dirikef90_UP1000359E508    Dirikef90_UP10004573618    Dirikef90_UP1004574618    Dirikef90_UP1004574618    Dirikef90_UP1004574618    Dirikef90_UP1004574618    Dirikef90_UP1004574618    Dirikef90_UP1004574618    Dirikef90_UP1004574618    Dirikef90_UP1004574618
JniRef90_G3R098
UniRef90
UniRef90_UP100046BBE99
Uniref90
UniRef90_C8ClE0
UniRef90_C8ClE0
UniRef90_Q8CIE0
UniRef90_Q8CIE0
UniRef90_A9EVU8
UniRef90_A6QPQ2
UniRef90
UniRef90_A8V961
UniRef90_A8V961
UniRef90_UP100045D8F11 UniRef90_V0S7G6 UniRef90_Q05N4 UniRef90_Q05N4 UniRef90_G1KDZ2 UniRef90_Q5XVN5 UniRef90_UP1000359E5D8 UniRef90_UP1000359E5D8 UniRef90_UP100032AF45F UniRef90_UP100032AF45F UniRef90_UP100032AF45F UniRef90_UP100032AF45F UniRef90_UP10002C4602E UniRef90_UP10002C4602E UniRef90_V9G9N2 UniRef90_V9G9N2 UniRef90_V9G9N2 UniRef90_V9G9N2 UniRef90_V9G9N2 UniRef90_V9G9N2 UniRef90_V9G9N2 UniRef90_UP1000333DB23 UniRef90_UP1000333DB23
UniRef90_UPI0004573618
UniRef90_Q005N4
UniRef90_Q5XVN5 UniRef90_UP1000359E5D8 UniRef90_UP100047D9FF8 UniRef90_UP100032AF45F UniRef90_UP100032AF45F UniRef90_UP10002C4602E UniRef90_UP10002C4602E UniRef90_UP10002C4602E UniRef90_UP10002C4602E UniRef90_UP10003CAF45F UNIREF90_UP10003CAFAF UNIREF90_UP1000CAFAF UNIREF90_UP100CAFAF UNIREF90_UP100CAFAF UNIREF90_UP10CAFAF UNIREF90_UP10CAFAF
UniRef90_F1M8F5
UniRef90_UP100047D9F78
UniRef90_G3HBC3
UniRef90_UPl0002C4602E
UniRef90_W4YS45
UniRef90_V9KM89         S_PKI_LRVEHPFLFII YEETTKTVLFIGRRVKDPTK           UniRef90_V9G9N2         SMPLEMQLNRPFFAIEDRDTGTWLFMGSVMNP           UniRef90_M7BS84         VPATIKFNRPFMIII SSNNNILFMGSVMNP           UniRef90_C7QHC0         SPPAEMHVDRPFLFLIRDTVTGQLLFLGQVSDP           UniRef90_F6SYQ0         PPSIRFNRPFLVGVFHKAAAFTTLFWGKVVNP           UniRef90_B8GGI6         PERADHPFVFLIQDKETGTILFWGRVANP           UniRef90_UP1000333DB23         PLVLSFNRPFLLVVFILDTTQDILFWGRVANPTE
UniRef90_M7BS84
UniRef90_C7QHC0
UniRef90_B8GGI6  PEFRADHPFVFLIQDKETGTILFWGKVVNP UniRef90_UPI000333DB23  PEVSIIRFNKFFLVGVFHKAAFIIILFWGKVVNP PEVRICHTERSTEINFFLVGVFHKAAFIIILFWGKVVNP PEVRICHTERSTEINFFLVGVFHKAAFIIILFWGKVVNP PEFRADHPFVFLUVUFLDTTQDILFWGKVVNP PUVLSFNRPFLLVVFLDTTQDILFWGKVVNPTEINT
UniRef90_UPI000333DB23 PLVLSFNRPFILLVVFLDTTQDILFWGRVANPTE
UniPeron UPIONASCOAGO SA ERI VIDED PELLIAVVI INDITO SI TELLO VIJI NIDINO
UniRef90_UPI00042CCA99
UniRef90_H0X6H2
UniRef90_C5A4E9  VFRADRPFIELLVYQEGSHNILIFMGKVINP  VFRADRPFIEFIHDRETGAILFMGRLMNPKE
UniRef90_M3XVV9
UniRef90_Q08S80 SVPEPLTVNRPFLFLIEDKETKTVLFLGRFVKP

UniRef90_S7TUU2	1
UniRef90_Q7TMB9	
UniRef90_UPI00022F4933	VL JENRPEEL VI YSTSTKSI EEMGKVENPT
UniRef90_UPI0003B2EBBA UniRef90_UPI0003B6CDC6	PRILNENRPE MVVI I DMDSQSI LEVAKI I NPKR VLIENRPE EI VI YSTSTKSI EFMGKVENPT PELKENRPE EI VMI TEVSAENI IFMGKI VNP SLPPQEIANRPE FAIRDNETGTVLFI GTVVDP PEEVRENRTELMMI CQEKTSSVLELGKI TNP PKVVRENRPELVAI I SEETQGI LLLGKVTNP DRPELELI YEHRTNCLI FMGRVANPTK EVTIDRPELELI RDVETGSI LEI GRVVNPS SLHPI I QEDRTSELMVLEKRSRSI LEI GKVI N TVRENRPELTIVI TPSNTASVUELSKVVDPTG
UniRef90_UPI000333AAB5	PEEVRENRTELMMI CQEKTSSVLELGKITNP
UniRef90_UPI0003317AB0	P K V V R F N R P F L V A I I S E E T Q G I L L L G K V T N P D R P F L F L I Y E H R T N C L I F M G R V A N P T K
UniRef90_Q5FW33 UniRef90_X1FBP6	D R P F L F L I Y E H R T N C L I F M G R V A N P T K  E V T L D R P F I F L I R D V E T G S I L F I G R V V N P S
UniRef90_UPI00038BC552	SLHP[   QFDRTSFLMVLEKRSRS  LFLGKV   N
UniRef90_F6SL79 UniRef90_G1TM88	T V R F N R P F L MI I V P M D T Q N I F F I S K V I N P K Q V H F N R P F L T V I T P S N T A S V L F L S K V V D P T Q
UniRef90_UPI000466D3BF	I FRADHPFI FLI RENQTGSI LIFI GRI VIDPTE
UniRef90_A3CSP3	PVFRADHPFVFVIVEEDSGTLLFAGRVVNP
UniRef90_UPI0002C68A4A UniRef90_UPI00042AEA19	I I C F N R P F L MQI I R R S T E T T L F L G K V E N P T E S E P L T L T F N R P F AL L I F D N F T W S S L L F G K I M N P
UniRef90_B9XLN3	DHPFLFVIRDNGTGSILFMGRVMDPMK
UniRef90_I5AYK0	S S M D R P F I F L I R D D F T G T I L F M G R V T D P S
UniRef90_UPI000155C071 UniRef90_UPI00045D654F	SUPREMI CONFEI FEI KANAIGSI LELIGKVVSF
UniRef90_A7YQ79	STQTRFIVDRPFLFLIYEHRTGCVVFMGRVVDPSQ
UniRef90_G1KCM4 UniRef90_UPI00038BB2A0	STPTVLKFNMPFII AMVVEENTESII LFMATII INPNE
UniRef90_UF100036BBZA0	PASHFNRPFILL LIWETTTQSILL LIGKI VINP
UniRef90_UPI0003343826	SLPRNFLANHPFLFI I KNKSTESLLFMGRVTNP
UniRef90_S9WZQ0 UniRef90_UPI000333B6E0	PSVIKENOPILI I <mark>O</mark> I EDSET WSTI EI GKIVIT SPT
UniRef90_UPI0002C43289	STQTRFIVDRPFLMLLWDVIIQSLLFMGKVVNP STQTRFIVDRPFLFLIYEHRTGCVVFMGRVVVDPSQ STPTVLKFNMPFIAMVVEENTESILFMATIINPNE PPATGFSRPFLVMTFHTETGSVLFLGKVVNP PASHFNRPFLLLLWETTTQSLLLLGKVVNP PASHFNRPFLLLLWETTTQSLLLLGKVVNP VPVVVKFNRPFFLVLEDQMTQKDLFMGKVFNP PSVIKFNQPLLICIFDSFTWSTLFLGKVTSPT PRSIKFNRSFIMUCOLDKOTFLITFLGRVMNPTF
UniRef90_UPI000441F4F1 UniRef90 H3AUJ8	SIIRFNRSFILMI CIDKQTEIITFILGRI MNPTE
UniRef90_UPI0003813145	SAPPELKLNRPFFFAITDRTTGLIVFMGRITNP
UniRef90_L8YAN0	SIRFNRSFLMICIDKQTEIITFLGRIMNPTE HHRFVANHPFLFIIRHNLTGSILFMGRIINP SAPPELKLNRPFFFAITDRTTGLIVFMGEVGNPLE SEPHTILFNQPFVILVFDDFSWSSLFMGKVENP RVVFNKPFLVLIMENKTRNILFLGKVVHP
UniRef90_UPI000333C558 UniRef90_Q60543	RIV VIF N K P F IL V L I ME N K T R NIL L F L IG K V V H P S E P L T L T F N K P F II I MM F D S F T WS S L L L IG K I M N P
UniRef90_UPI00042AC980	DTI DEDKDEI VELKNELTGVDI I VCDVTNDTE
UniRef90_B2RFS8 UniRef90_A9FD28	VPLPLTVNRPFFFSI VEGNSNAI LIMLGKVTNPT PAAI VLDRPFFFFI RDASTQAI LFAGRVNDPT SKHLTLNFNMPFI I I TKDVNTNI PLFMGKVMI PVQ
UniRef90_A91-D28	SKHLTINENMPFITITKDVNTNIPLFMGKVMIPVQ
UniRef90_J0LLQ5	S M P A S Y R V D R P F V F M I R E K S S G A I L F I G K L M Q P S E P R E V R F D S P F L F F I R H D P T G R I L F M G R M D D P S
UniRef90_U7D4J6 UniRef90 UPI0003287F7C	PIDI RENRETELMLI VEDITTTV LIFLIGKII GN PS
UniRef90_Q5WPT2	FNANHPFLETTEDETTGALLETGKVVDPTQ
UniRef90_A0A017T5N2	E
UniRef90_UPI0003C4664B UniRef90_UPI00035C7E04	SKHLTLNFNMPFIIITKDVNTNIPLFMGKVMIPVQ SMPASYRVDRPFVFMIREKSSGAILFIGKLMQP SEPREVRFDSPFLFFIRHDPTGRILFMGRMDDPS PIDLRFNRTFLMLIVEDITTTVLFLGKVDPTQ EIKLDRPFLFTIEDETTGAILFTGKVVDPTQ EIKLDRPFLFLIRDIETSTVLFVGKVDPTQ SAPLPVLCDRPFVFVIHEKTSGTVLFVGKIADPTK SAPPELTVDRPFLFYIRDQPTETPLFLGRVVD SGPVDMIDRPFFFAIRDDNTGTLLFMGTLVNPLE SVKFNRPFVVTVFDNFTWSSLFLGKVVKPT SQPAIFNANHPFVFVIKDKDTGILLFIGRVNNP
UniRef90_L9ZVV0	SAPPELTVDRPFLFYIRDQPTETPLFLGRVVD
UniRef90_K9TKP6 UniRef90 UPI00045E4FA1	S G P V D MI I D R P F F F A I R D D N T G T L L F M G T L V N P L E
UniRef90_UPI0001CBA1C5	SQPATENANHPEVEVIKDKDTGLILFIGRVNNP
UniRef90_UPI0002C58058 UniRef90_B5X3P8	PLSIKINKPFLVFIRDSVIPTIIFLGKIVNPT STPLSYCVDHPFLFLVRDEASGALLFIGKVVNP PVEVTLNRPFIFLIRDIETGAILFVGRVINPGE VVFNRPFLMLIMEQRTKGILFLGKVTHP
UniRef90_X1DL57	PVEVTLNRPFIFLIRDIETGAI LFVGRVINPGE
UniRef90_UPI0003F11258	V V F N R P F L ML I ME Q R T K GI L F L G K V T H P P A L H F N R P F L ML V F E D S S R S L F F V G K V V T P K E
UniRef90_H0XHX7 UniRef90_W5M6M0	P Q V M A D H P F F F I V R A R K T G T I L F M G R V M N P
UniRef90_E1RK55	PQVMADHPFFFIVRARKTGTILFMGRVMNPSLPVTFRADHPFIFLIEDDETGNILFIGRVSNPLEPFEMDVNRPFLFAIRHRSTDALLFLGRVVD
UniRef90_J3JFT0 UniRef90_F7EKA8	PFEMDÜNRPFLFÄLRHRSTDALLFLGRVVD NRPFLFFLRHLQSGMLLFMGKVMNP
UniRef90_L8LYD1	SLPLAMEVNRPFFYVI RERQTDTI LFMGAMLDPT
UniRef90_X0ZXE3 UniRef90_L8Y7B6	V F N A D H P F I F M I Q E R E T G N V L F M G R V F D P T Q
UniRef90_U5EFZ9	PAKLLINRPFLFLIDDKLTNELLFIGKI VNPK
UniRef90_UPI0003F06066	PILEVK FNKT FLMMI DDDLT ASTLFLGKI ÂN P
UniRef90_G0QR80 UniRef90_F6R5Y2	PLRVVFDRPFLMLIVE NTENILIFLGRVTHP
UniRef90_P21814	VPVVKFNRPFL LFVEDELT QTDLFVGQVLNP
UniRef90_T1IPU0 UniRef90_F6PYX9	P F E M D V N R P F L F A II R H R S T D A L L F L G R V V D  N R P F L F F II R H I Q S G M I L F M G K V M N P  S L P I A M E V N R P F F Y V I R E R Q T D T I L F M G A M L D P T  V F N A D H P F I F M I Q E R E T G N V L F M G R V F D P T Q  H H T I R F N R P F L I V I K E E F S D F I L F I A K V L N P M  P A K L L I N R P F L F L I D D K L T N E L L F I G K I V N P K  P L E V K F N K T F L M M I D D D L T A S T L F L G K I A N P  M P V T M N F N K P F I Y F I S S L N T H N V L F M G K V V D P T K  P L R V V F D R P F L M L I V E N T E N L L F L G R V T H P  V P V V V K F N R P F L L F V E D E I T Q T D L F V G Q V L N P  M P F T V E F N H P F L V O I R D N R S G I L E L G R M V N P  H H V L E F N R P F F F C V S E A N S N A I L M L G K I T N P T E
UniRef90_Q6IMN9	S S P L K L S F N R P F F F C V S E A N S N A I L M L G K I T N P T E
UniRef90_U3B3C6	UVRFNMPFLVIVARTDTPSILFMSKVTNPKQ
UniRef90_Q12YG7 UniRef90_UPI00042C58AB	S S P L K L S F N R P F F F C V S E A N S N A I L M L G K I T N P T E
UniRef90_G1KZD8	SRAPVEKADRPENELLWQASTGSI LEI GRLTNPTE
UniRef90_UPI000375038A UniRef90_C5XGK5	PPPVDFDRPFILFMIKDNKIDAILFLGQVNKP
UniRef90_Q5NBM0	S L P P V F V A D R P F L F A V V E E L T G A V L F L G H V V N P
UniRef90_B2Z448	S S QIL R F T V D H P F L F L I Y E H R T D C L V F M G R V V N P S
UniRef90_UPI0001E2CC78 UniRef90_X0XYI4	S M P M T F K A D H P F I F L I Q D N K T G A I L F M G R W M P
UniRef90_UPI0003C2A825	VP MEVILNNPFLLAI YEENSKAMLFLGRVANP
UniRef90_B3ECZ8 UniRef90_P31211	MPPVFKADHPFLFAIRENSTGRILFMGRISDP SEPLDIKFNKPFILLLFDKFTWSSLMMSQVVNP
UniRef90_W4CTH3	PFEMNUNRPFLFMIRDTQSGVVLFLGAIENP
UniRef90_F1SCD0	TIV I F S R P F IL F A IV I D K D T G T IV L F L G K V A D P S
UniRef90_UPI0003318331 UniRef90_UPI0003B7787D	HUTYRVDRPFVYLIRDEPSGALLFIGKVVNPK
UniRef90_C3YTM8	EFRADHPFLFLIRDKRTGSVLFLGRLVDP
UniRef90_W4B7H5 UniRef90_UPI0003F060D3	S M P S E L T F N H P F [ F F I I I ] H N K T K S [ I   F C G R V C Y P
UniRef90_M3XLM0	S E P L D L K F N K P F I L L L F D K F T W S S L M M S Q V V N P P F E M N V N R P F L F M I R D T Q S G V L F L G A I E N P T V I F S R P F L F A V I D K D T G T V L F L G K V A D P S P E I L K V D R P F L F F I Q H K Q T E T V L F Y G R V T S P H L T Y R V D R P F V Y L I R D E P S G A L L F I G K V V N P K E F R A D H P F L F L I R D K R T G S V L F L G R L V D P P V V M K I N R P F F F A I E D R D T G T W L F M G S V L R P S E L T F N H P F L F L I L H N K T K S I L F C G R V C Y P S V R F L F E A N R P F F F M V Y N R I T G S I L F L G R L M D P S L P L T V C F D R P F L V A I V S A D P P S V L F L G K V S N P L E P E F R A D H P F L V F I R D N R S G S I M F W G R V V N P
UniRef90_UPI00032AEB62	SLIPLITUC F D R P F L V A I V S A D P P S V L F L G K V S N P L E
UniRef90_T1IPU3	I LI KADIII I L VIFII KDIKOGOJI IME WOKIV VIN P

UniRef90_UPI000380C0F8	1
UniRef90_G8M386 UniRef90_R5M9N2	SIPDAFTANKPFMFVIADNVTGSILFMGKVV STPISFYVDRPFAFVIKEKSTGAILFMGKIT
UniRef90_Q16HB8 UniRef90_UPI000471960F	IFNANRPFLFFI EDEDFGTL LFAGRVEDPTQ SLPVSMIVNRPFFFVI RDNETGSL LFMGVI VDP
UniRef90_B5X2K0 UniRef90_X1SQQ9	STPISFYVDRPFAFVIKEKSTGAILFMGKIT IFNANRPFLFFIEDEDFGTLLFAGRVEDPTQ SLPVSMIVNRPFFFVIRDNETGSLLFMGVIVDP SSPPWVIVDRPFLFLIRHNPTGTILFIGQVNQP IMRVDRPFVFVIRERTSGTLLFMGKIVEPM
UniRef90_UPI000454310B	PFI VRFDRSFLITI SDTHTHSVLFLAKI TNPK
UniRef90_S4XW60 UniRef90_B0UYL8	PFI VRFDRSFLITI SDTHTHSVLFLAKI TNPK PQVFRADHPFAFLI RDVATGAVLFMGRVTDP SRSAVFKADRPFLFI LRQUSTGSLLFIGRVVNP
UniRef90_UPI00046B5856 UniRef90_UPI00038C02F7	PSRIVVIENRPELMLIVEGR KNILIELGKIVVRP PLRVNESRPELIIISDTDTQTLHEMAKITNPK
UniRef90_F6QMA1 UniRef90_Q23MN8	SSPPI YSFDHPFLFFI KHNKTNSI LFLGRVSSP PEVHCDRPFLFTI THVPTHTVLFLGRI TNP
UniRef90_U5EYE5 UniRef90_H0ZI58	PEVHCDRPFLFTITHVPTHTVLFLGRITNP PPRFYANRPFLFLIVNKITKTLLFTGQVKNP VTLNKPFLFAVEEKQSRAMLFLGRVVNPLH
UniRef90_V8NDI7 UniRef90_Q23MN9	II IT F D R P F IL L I I L I IK S M G S II I I F IL IG R II I IN P A E
UniRef90_H1XQZ0 UniRef90_F1SCC7	PLI
UniRef90_H2MB90 UniRef90_B0XAK8	KFNRPFMVLIIDNQGEKMLFMGKIINP PERFVADRPFLFFIEEESTGTVLFAGKVEDPSQ SLPPRLDFDHPFLFMIREDLTGTLIFVGQVLNP
UniRef90_G7J5Q8	L VRFDSPFLFATVLRDTQSI IFLGKVVNP  KFNRPFMVLI I DNQGEKMLFMGKI I NP  PERFVADRPFLFFI EEESTGTVLFAGKVEDPSQ  SIPPRLDFDHPFLFMI REDLTGTI I FVGQVLNP  VQFNRPFL IFI KDPTNDVPLFLGRVVNPKH  SMPPTLVLDKPFVFI QEKHSGAI LFMGKLENPLE
UniRef90_UPI0003D0EB3C UniRef90_R7ZXZ0	SIPPRLDFDHPFLFMIREDLTGTIIFVGQVLNPVQFNRPFLIFIKDPTNDVPLFLGRVVNPKHSMPPTLVLDKPFVFFIQEKHSGAILFMGKLENPLE
UniRef90_X0RVS8 UniRef90_F7EL68	PQVIVDHPFFFVIRNRKTGSVLFMGRVMHP
UniRef90_UPI00047C6E44 UniRef90_X1C228	
UniRef90_X5DY52 UniRef90_M0LEG3	PPEFRADHPFIFLLIDSYTRAILFIGRVMNPK PQNMQFNRPFLYAITEKDTDALLFMGTVKNP SGPPVMTVDRPFLFYVRDRPTETPLFVGRVVD SMPAPFLYDRPFLFYVRDRPTETPLFRMGTVMDP
UniRef90_S9R8E0 UniRef90_L8TMB5	S M P A P F L V D R P F L F L I E H V S T R N V L F L G R Y M T P S A P P E I A F D R P F H Y Q I V H S G T G L P L F M G K V A D P I V R L N R P F L M L V S E T N T Q M S L F L A K I I N P K P E I I T F N R P F F I Y I Y H E E I I F M G K V V N P I P L K L S I N R P F F F S I V E G D S G A I L M L G K V T N P T T V E F N H P F L F F L E D E T T N T V V F V G K V V N P
UniRef90_G3HBC4 UniRef90_F6PJ15	T V R L N R P F L M L V S E T N T Q M S L F L A K I T N P K P E I I T F N R P F F I Y I Y H E E I I F M G K V V N P
UniRef90_Q9DFK4 UniRef90_A0A023EZF2	I P L K L S I N R P F F F S I V E G D S G A I L M L G K V T N P T T V E F N H P F L F F I E D E T T N T V V F V G K V V N P
UniRef90_UPI00046B6745 UniRef90_A1ZEC0	NHPFLFIMKDNPTESILFMGRVTDP PKLFKADHPFMFIIKDNTTGSLLFIGRLITPKQ RLTFDRPFIVVVFHHRTGMPLFIGKIANP
UniRef90_B8LDN7 UniRef90_UPI0004716980	RLTFDRPFIVVVFHHRTGMPLFIGKIANP PPEVTIDRPFIFLIRDIKTGAISFVGRVVNPS
UniRef90_L8Y6T1 UniRef90_U5QSG9	VI I FN SPFL TI I T D E A R E T I L F L G K V G N P T P F Q M I V D R P F F I A I R D N T S G A L L F M G R I A D P T
UniRef90_E1RK56	PVFRADHSFIFMIQDDETGNILFIGRISNPAE
UniRef90_F7C0V8 UniRef90_G3W2E9	PPEVTIDRPFIEL I RDIKTGAI SFVGRV VNPS VIIFNSPFLI I I TDEARET I LFLGKVGNPT PFQMI VDRPFFI AI RDNTSGALLFMGRI ADPT PVFRADHSFI FMI QDDETGNI LFLGRI SNPAE PETFKVDHPFLFFI LHKETKTI LFYGRVCIP DRPFFFI LKNKATESI LFMGRVTNP
UniRef90_UPI000237A458 UniRef90_R7UG47	
UniRef90_R7ZY80 UniRef90_UPI00038C1EE5	PVTYRVDKPFMFFIQEAHSGAILFMGKIADPSK PQRIKLDSPFLVMIYEKSLPSMIFLARINDPTE
UniRef90_T1GMT4 UniRef90_L9LBZ2	MNLEFRADRPFVCLIRDNRTNSILFLGKVVRPPVTYRVDKPFMFFIQEAHSGAILFMGKIADPSKPQRIKLDSPFLVMIYEKSLPSMIFLARINDPTELNKPFVFFIEDETTGNMLFFGKVVDPTSMPIRENFNRPFLFFIRHNKTQSILFFGRVSCP
UniRef90_UPI00036E3D6B UniRef90_T2AU82	SDPVVLKVNTPFIFIIKHDDTFSLLFMGSVVDP
UniRef90_H9GLD3 UniRef90_L5JQX6	PIEYHMDRPFLFVLRDTDTGALLFIGKVLDP SVLFNRSFLLLVIDRATETVLFLGKVENPTK
UniRef90_UPI00029A4A3D UniRef90_UPI000333EA44	P V F R V D R P F F F A I   A E E Q S G A I L F S G K L E N P P L  V N F N R P F  L V V V   P H A N S P N I L F  L  A R F T N P K Q
UniRef90_C6VV46 UniRef90_UPI0001E2D8EF	PPRFII ICDRPFAIL VI ISENTSNTII LIFIVIGRII INNP
UniRef90_B7QZR0 UniRef90_K9QT38	I F K A D H P F L F F I V D R D S G L V L F M G R L V N P K P F R M L V N R P F F C A I R D N O T R S I I F M G A I N D P
UniRef90_C1C4M6 UniRef90_UPI000180C8BF	SLPFQV ADRPFLITI LHKPTNTI LFTGRI MKP SVPP VQFNHPFLFLI KHNPTNSVLFLGR <mark>O</mark> SDPS
UniRef90_F8D538 UniRef90_F2LX34	EMTIVID R P E II IE VII IR D R P T E T P II IEIVIG R II V ID
UniRef90_F2LX34 UniRef90_H2ZYD8 UniRef90_W8AUJ1	
UniRef90_K7F6G3	PVTFLADHPFLEFI RHHNTQCI LFYGRVSSP PLVVKLDKPYLLI YSEKLPSVLFLGKI VNP
UniRef90_Q8IW75 UniRef90_G7KVX4	P V T F L Å D H P F L F F I R H H N T Q C I L F Y G R V S S P P L V V K L D K P Y L L L I Y S E K L P S V L F L G K I V N P D H P F L F L I R E E F S G T I L F V G K V V N P P F E M V V D R P F I A A I R D R D T G T L L F L G A L V D P
UniRef90_UPI0002DAA99A UniRef90_C3PT37	PI FRADHPFILIFFI LIHNSTKSI LIFLIGA <u>I V</u> DP
UniRef90_B8HS87 UniRef90_L5JQF0	IPVEMVVDRPFFYAI RDEQTGAI LFMGTMTNP PLTFKVNKPFLLAI TENITSTI LFIGRIADP RADQPFVFVI HDNKTKSI LFMGKVTDPS
UniRef90_UPI0004780E18 UniRef90_UPI00034CF52E	R A D Q P F [V] F [V]   H D N K T K S   I L   F M G K   V   T D P S P F T M N [V] N R P F F F A   I R D D [V] T E T   V L   F M G N I V   E P
UniRef90_X1HT99 UniRef90_W9SEX9	E F   V V   N K P F F F   L   A D D R T G S   L   F M G K   V V   E P P P R T D F D H P F   F M     T E D T S E T P   I   F L   G A   V V   N P
UniRef90_Q22KT6 UniRef90_K9TLS7	PPQVICDRPFIETITHIPSKTIIFIGKI VNPQK
UniRef90_U5ETD6 UniRef90_UPI0003462033	T F R A N R P F M F L I E D E K T G F L L F A G K I Q N P N Q P F S M I V N R P F F C T I R D N R T G S I I F M G S I V F P
UniRef90_K7INJ6 UniRef90_UPI000479EEDB	T F Q A D Q P F L F Y   I E D E S T G T   I L   Y M G L V K N P L E
UniRef90_UPI0002C35F7E UniRef90_F6QE85	ILIPOT MD F D H P FILIFILLIK F F M T G TIV LIFILIG HIV LIN P
UniRef90_L8PUK7	SIPROVTVDRPFFIGVYQEKSNSFLFLGKVENPLE TLTADRPFFFVITDEQTKCLLFLGFVANPNE
UniRef90_H0V8V9 UniRef90_Q67JZ0	SAPLSVQFNRPFLFFIQHNKTRAILFYGRV <mark>C</mark> SP PPEVVLDKPFLLAIRDDRTGVTLFLGAIADPS SRPP <u>MFC</u> VDHPFLFFIRHHKTDSILF <u>C</u> GRVSTP
UniRef90 UPI0002740234	

UniRef90 A9FUE0	1 10 20 30 PF L F L  RDNATGS  L  F V  GR V ADPS
UniRef90_UPI000441B85B	K P E I V E I E S T N T O S I I E I G K V V N S T K
UniRef90_F1SCE3 UniRef90_U3K1B4	RIVFNRPFLMFIVE NSKNILFVGKVTHP SRTPLFKADRPFTFFLRQANTGSILFIGRLTNP
UniRef90_W5Q0S7	FNQLFLVVIFSTNAQSIFFLGKVVNPTK
UniRef90_M7BA81 UniRef90_UPI000332F80A	FNQLFLVVIFSTNAQSIFFLGKVVNPTK SLPLEVTLNKPFLLAVYEKNSKAMVLIGRVTNP PTLKFNKPFLIFIQNEFNNLPMFLGRVMNPK
UniRef90_QF1000332F80A UniRef90_Q8TNN7	_EFKADHPFLFMIEDKRTG <mark>C</mark> ILFIGKV <u>E</u> SP
UniRef90_M7BIW6	T F P L  D Y H L  D R P F  L  F  V L  R D D  V  T G T  L L  F  I  G K  I L  D P
UniRef90_G7J5S5 UniRef90_A0A017THI1	I P P P I N F D H P F M F M I K E D S S G T I L F I G Q V L N P _ F H L N K P F L F L V R D N A T N S V V F L G R V S D P S
UniRef90_U5QKH3	FHLNKPFEFEVRDNATNSVVFLGRVSDPS VFNVDRPFFFAI YNNYSGFVLFLGSVVDPTE RLIFNRPFEMVI VENSTN I LFVGKVTHP
UniRef90_M3XVL4 UniRef90_Q8PTN8	SKQREFKADHPFMFFIEDRRTNCI LIFMGKVEYP
UniRef90_B8AM77	SRPRRUNFDHPFMFLIREDVTGVILFUGHVVNP
UniRef90_G3VVG2 UniRef90_L9L433	PIIMNFNRPFIVSLMDTNIHQHLFLGKIVNPT _EVTLNSPFLFAVYEKDTTALHFLGRVVNP
UniRef90_W5W2L1	S D P V V D V D R P F L L V I R H R E T G V P Y F V A R V V H P
UniRef90_J3KYL9 UniRef90_UPI00046D8AC5	TERADRE FILE FILVID HOT NSILLEAGRY VIOP
UniRef90_K1QZP2	PMVFKADHPFLFFI ŘEHĽTGTV LFÚGRFLŘPT
UniRef90_Q9JK88 UniRef90_G3VJ14	N H P F L IF I L IK HIL R T E SIL L F M G K IV IT D P
UniRef90_UPI0003314D39	PYFVADHPFLFLIRDNSSKTILFWGKVVSP PFSMKMNRPFLLAIKEKTVPAVLFLGKLANPS
UniRef90_F6VEH8 UniRef90_UPI0003F096FC	S S P P W F IL IA D R P F IL IF F II IR H N P T G A IV L F M G Q IV IN K P
UniRef90_R7ENW1	FYVDRPFI FLIKEKST GVI LFMGKVT
UniRef90_Q63556 UniRef90_B8E367	PMI VIWENT PELLIAVISHTHGQHILLEMAKVINP
UniRef90_I4CDY5	PILMNFNRPFIVSLMDTNIHQHLFLGKIVNPT  EVITLNSPFLFAVYEKDTTALHFLGRVVNP  SDPVVVDDVDRPFLLVIRHRETGVPYFVARVVHP  PMDFVADRPFLFAVVEELTGAVLFLGHVMNP  TFRADRPFLFFLVDHQTNSILFAGRYVQP  PMVFKADHPFLFFLKHIRTESILFMGKVTDP  PYFVADHPFLFLLIRDNSSKTILFWGKVVDP  PFSMKMNRPFLFLIRDNSSKTILFWGKVVSP  PFSMKMNRPFLFLIRDNSSKTILFWGKVVSP  SSPPWFLADRPFLFFIRHNPTGAVLFMGKVANPS  SSPPWFLADRPFLFFIRHHCTGSILFCGRVSSP  FYVDRPFIFLIKEKSTGVILFMGKVT  PMIVWFNRPFLFLIKEKSTGVILFMGKVT  PMIVWFNRPFLFLIKEKSTGVILFMGKVT  PMIVWFNRPFLFILAVSHTHGQHILFMGKVT  PKVFKADHPFLFFIIHKKPTNTILFMGRVTN  PFRFDHPFIYLIRHRSTGQILFIGEV  PFFVANRPFVFVIRHRSTGQILFIGEV  PFFFVANRPFVFVIRHRSTGQILFIGEV
UniRef90_H9LD39 UniRef90_W4V2T9	PPIFRFDHPFIYLIRHRSTGQILFIGEV PEFVANRPFVFVIADEKYDTLLF <u>M</u> GK <u>V</u> AN
UniRef90_F4L5I9	S <u>V</u> P <u>PQF I</u> V NRPF I F VI SE <u>S</u> RTNQ <u>A</u>  I F I GK <u>MM</u> NPT
UniRef90_X0RPZ6 UniRef90_M0X8P9	P
UniRef90_UPI0004405C4C	TILICEN R S E MILLILIN K A T QILIMILIE II IGKEGN P T
UniRef90_M7CAZ4 UniRef90_UPI0004404EB9	T F S L N Q P F L F L I F E E T T G L P L F V G S I Q N P L P D S F R C D H P F L F F I K H N K T N S L L F Y G R V S S P
UniRef90_UPI00037D1C81	PVTVT LDRPFL LALVENELKAPLFLGTVQNPTR
UniRef90_I0UYA1 UniRef90_F6QFN9	P
UniRef90_W5N9L0	FIVITII DRPFILIFIL VIQHKATGAIVI IF MGQIVIMFP
UniRef90_UPI0004714307 UniRef90_W6MEV4	
UniRef90_Q3M416	P F K MII VID R P F F Y A II IR D N Q S K N II L IF M G A IV V IE P T
UniRef90_UPI0002BCE278 UniRef90_UPI0003756561	PREIVIADH PEILIFEII IMH KII ITK SII LIFEGREII IEPM
UniRef90_G3WP43	S R T P F F K A D R P F       F F   L   R E S N T G S   V L   <mark>C</mark>       G R   V   T N P   L   E
UniRef90_G7W8T9 UniRef90_UPI0003336422	PLTFSADRPFVF[I ADDETGT I LFMGK MSLSFRLNRPFLFFLFEDTTGLPLFVGSVKNPS
UniRef90_G1SRN4	F N W P F   L V V I   S S P S A Q G   V L   F   L   G R   V V   N P T K
UniRef90_H9GHL5 UniRef90_Q5U539	S M P M R E K F N H P F L F F I R H N P T N T I L F F G R F A S P S L M E T F N V D R P F I T L I Y S E E P Y S I L F M S R V L D P T E
UniRef90_A0RWY5	
UniRef90_E3IWZ9 UniRef90_P93692	LTVDRPYLYVIHDRPTGTPLFLGHVTDPT
UniRef90_B3DM34	PPSVIVDHPFLFLIREDTSGVVLFIGHVVNPHSVYRINRPFLFFLFEDTMGLPLFMGHVRNPPRFCVDRPFLFFIQHTKTNSILFCGRVSSP
UniRef90_UPI000443F7FD UniRef90_UPI0003603BD8	PRFCVDRPFLIFFI QHTKTNSI LIFCGRIVSSP
UniRef90_B9N6P6	SEPVRFFADRPFLFLIREKSTGVILFIGRI PPSFVADHPFLFLIREEKSGMTLFLGAVINP SLPSWVEFNHPFLFFIRHNPTHTILFCGRVYSP
UniRef90_G3HD41 UniRef90_Q9ST57	LTVDRPYLYVIHDRPTGTPLFLGHVYDPT PPSVIVDHPFLFLIREDTSGVVLFIGHVYRNP HSVYRINRPFLFFLFEDTMGIPLFMGHVRNP PRFCVDRPFLFLIREKSTGVILFIGRI PPSFVADHPFLFLIREKSTGVILFIGRI PPSFVADHPFLFLIREKSGMTLFIGRI PPSFVADHPFLFLIREKSGMTLFIGRI
UniRef90_UPI0002A4BC8A	SEPSWVEFNHPFLIFFI RHNPIHTI LIFUGRVYSP SPPSDMDFDHPFLIFLI REDTSGVVLFI GHVVNPLR SFIINRPFFFFI YHEETEALLFVGRVIDPSR TFKANRPFLVLI REVPLNALI FMGRVANP SDPETVHVNRPFI FTI EHVPTRQLLFLGRYVKP SRPVVVRLDRPFLLLVRHRRSGEVYFLARVADP LPPRLRI DHPFMFAI RDKQTNTNLFMGRYTDP
UniRef90_G3SU45 UniRef90_U2SUD6	S D P E T V H V N R P F I F T I E H V P T R O L L I F L G R Y V K P
UniRef90_UPI0004749EF5	S R P V V V R L D R P F L L L V R H R R S G E V Y F L A R V A D P
UniRef90_V4BAN5 UniRef90_UPI0003290978	PV L L K V D H P F L F L V Q H K E T E M I L F Y G R V T T P
UniRef90_D3Z451	SNPTVVNLNTPFLFCVLHSDSENI DFMGKI NNPAQ
UniRef90_R6FHZ0 UniRef90_UPI000371325B	SEPLEVRVDRPFLLLVRHRESGAVVFIIARVVRP
UniRef90_D2HEM8	RVMENRPEMILIVENSTN VLELGKVTHP
UniRef90_P01019 UniRef90_L0HIR6	PVFRADHPFIIFLIRNNGSGEILLFLIGRVSDP
UniRef90_H0UT58	PKFCADHPFLFFIWHHSTNSILFCGKFCSP
UniRef90_UPI0003ABC5ED UniRef90_M3WCX5	PKVLLNRPFI MLI VENFTN I LIFLIGKVINRP
UniRef90_UPI0004400E3E	PEKVKUNKCELLMI RENGMUNL LELGKI VNPS
UniRef90_B0X107 UniRef90_W5EIQ1	PVRVDFDHPFLFLIREDESGIVLFAGQVVNP
UniRef90_UPI0003C3622E	PRIREDKPELYFVRHNPTGMILEMGRENP
UniRef90_L5K3L1 UniRef90_V3ZMU0	LPRQFNADHPFLFCI RNNKTKMI LIFFGRFVNPK
UniRef90_M4AV46	VALRUSIN R P F F F S I T E E H Y E S I L L L G K I S N P T
UniRef90_UPI0003F0AF9C UniRef90_UPI00034540E2	MEINRPFILITISDNETDTILIFMGMI HEPT
UniRef90_C5YXZ5	PDDFITDHPFLFLIREDTTGVVLFVGHVVDP
UniRef90_B3S279 UniRef90_N1ZU94	PI VK F D R S F M Y M I VD T E S G A PILIF M G I VD E P
UniRef90_E4TH65	S R P V V V R L D R P F L L V R H R R S G E V Y F L A R V A D P  L P P R L R I D H P F M F A I R D K Q T N T N L F M G R Y T D P  P V L L K V D H P F L F L V Q H K E T E M I L F Y G R V T T P  S N P T V V N L N T P F L F C V L H S D S E N I D F M G K I N N P A Q  I L L D R P F A Y I I K N N K T G E I L F I G K V V D P T  S E P L E V R V D R P F L L L V R H R E S G A V Y F I A R V V R P  R V M F N R P F M I L I V E N S T N V L I L G K V T H P  E V T L N R P F L F L V Y D Q S A T A L H F L G R V A N P  P V F R A D H P F I F L I R N N G S G E I L F L G R V S D P  P K F C A D H P F I F L I R N N G S G E I L F L G R V S D P  P K F C A D H P F I F L I R N N G M N N L L F L G K V N R P  P F K V K I N K C F L L M I R E N G M N N L L F L G K V N P P  P P R F A N R P F A F L I V D K R F D V I L F M G Q V K N P  P P R I R F D K P F L Y F V R H N P T G M I L F M G R F N P  E V T L N S P F L F A I Y E Q D S T A V H F M G R R V T N P L R  V A L R L S I N R P F F F S I L E E H Y E S I L L L G K I S N P T  Q P F L V M T F H T E T G S L L F L G K V V N P  P P L I K V D H P F V F M M Y H K S S G S T L F L G K M Y N P  P P L I K V D H P F V F M M Y H K S S G S T L F L G K M Y N P  P I V K F D R S F M Y M I V D T E S G A P L F M G I V D E P  P V V F R A D H P F I F I I Q H N K T G A I L F I G K V S P  P L T I N I N R P F L F I I M H K L T R N I L F F G R F V S P  P L T I N I N R P F L F I I M H K L T R N I L F F G R F V S P  P L T I N I N R P F L F I I W H K L T R N I L F F G R F V S P  P L T I N I N R P F L F I I W H K L T R N I L F F G R F V S P  P L T I N I N R P F L F I I W H K L T R N I L F F G R F V S P  P L T I N I N R P F L F I I W H K L T R N I L F F G R F V S P  P L T I N I N R P F L F I I W H K L T R N I L F F G R F V S P  P L T I N I N R P F L L V I W D E C I Q S L F F L G K I I
UniRef90_UPI000443F0AA UniRef90_F6PN14	PLTI NI NRPFLLEFI MAKLIKNI LIFFGKFVSP

	40 00 00
UniRef90_A9U199	PDTFVADRPFMFLIMEEVSNAIVFSGRVTNPSK
UniRef90_X1DPL1	I I E F N R P F F F V I A D D R S G S L I F M G K V V E P
UniRef90_UPI0003788B08 UniRef90_UPI00045DE984	PVVFTVDRPFAFVI VDTATGAPVFVGQVLDP
UniRef90_F1PIV3	PRFCADHPFLFFI IHRHTNSI LFCGRFCSP
UniRef90_UPI000328E5B1	SFSLDYHLNQPFIFVLRDTDTGALLFMGKILDP
UniRef90_P09006 UniRef90_F6PW14	PVVFTVDRPFAFVI VDTATGAPVFVGQVLDP SRPSYVTFNHPFLFFI RHKKTQTLLFYGKV PRFCADHPFLFFI IHRHTNSI LFCGRFCSP SFSLDYHLNQPFI FVLRDTDTGALLFMGKI LDP PLI IAFDRPFLMI I SDTETALAPFLAKI FNPK LVFNHPFI VI I REKYTQMPMFMGRVARPM
UniRef90_Q25B53	DHPFLFLIRDNDSNSILFLGRLVRP PEEILDRPFLFVVRHNPTGTVIFMGQVMEP SMPRCIEFNHPFLFFVKHNKTQTILFYGRVCCP PIVINFDRPFMVILYNEN NILFLAKVNNP LPVNFVADHPFVFFVVEEVSRVIVFMGHVLDPTK
UniRef90_G5AXC4 UniRef90_UPI0000F5FD2A	S M P R CLIEE N H P ELLE EVIK H N K T O T LLE Y G R V C C P
11-1D-100 O0\/D\/E	PIVINFORPFMVILYNEN NILFLAKVNNP
UniRef90_C5YH64	L P V N F V A D H P F V F F V V E E V S R V I V F M G H V L D P T K R F C A D H P F L M L I R H N P T G S L L F Y G R V C N P
UniRef90_Q7T309 UniRef90_UPI000388E9DB	NRPFILIFI LIKHNPT GSIL LIFT GRIV CNP
UniRef90_UPI00022CA1B4	I F H A D R P F L F Y I E D E S T G T L I Y I G R M M N P
UniRef90_UPI000359DF8A UniRef90_A6GDF3	T FIVIA D K P FIV V V V V D R P S R T PIL IFIVIG RIV VID P
UniRef90_B4LRF8	E F NVN R P F V F F I E E E A T G N L F A G K V H Q P
UniRef90_M1AUE3 UniRef90_UPI000379FC79	DHPFLIFLVREESTGAMLFLIGSVMNP
UniRef90_Q06770	TÜK YNR P FÜF ÜA F D K Y T WS SL MMS QV MN P
UniRef90_A7SKW8	V F Y A D H P F L F S I H H K P S S A I L F L G K V M Q P T R
UniRef90_T1JQ80 UniRef90_Q1ITJ4	P F H MV VN R P F L F F V H D D A A N I L L F A G V V M D P T Q
UniRef90_T1G677	SIPVDFRADHPFI FSI KDIESGSI LFIGKFLKP
UniRef90_C9KSI9 UniRef90_UPI0002C2F018	PVEDPEDEDER FORTGTVIENGEMED
UniRef90_UPI00032B09B7	PEEL IMDRPFLEVVRHNPTGTI LFEGQVM
UniRef90_A7LR73 UniRef90_UPI0003C8E2F8	ILLIH F D R P F II F MI K E K S T G L I L F M G Q V T P S F R A D R P F II F F II R F O O T N G II I F V G P F S S P
UniRef90_F8F9V4	PFHMT VNRPFLLAI QSSETGSLLFLGSTYKPEE
UniRef90_L8IIA1	PTUSENRPFII LLAVIKATKTLVFIIRKVENPTQ
UniRef90_F1MN78 UniRef90_V9KHW2	
UniRef90_V5L0E2	EVIANKPFFFLI QDETTRQLLFTGRVADPT
UniRef90_W2CNM8 UniRef90 UPI00045748D4	S P I Q V F I V D R P F L F V I R E K S I G V I L F I G E I S I T P E I V A D H P E I E E I R H N K T K N I I E E G R
UniRef90_UPI0003C4D39E	PNQFIANHPFLFIMKNIPTGSFLFMGRVTNP
UniRef90_H1Z2V9 UniRef90_B4MLK8	PVFMADHPFUFMIEDTDDGNILFMGKLISSP
UniRef90_UPI000379FEF2	S A G P S WA F D R P H L L L V R E Q R T G E P L F L A R V A D P
UniRef90_H3B8H4	NRPFLVLIRETTINTILFMGRISSP
UniRef90_UPI0003C9029F UniRef90_L8YCN9	RIV VIEN R P FILMS I LIDS NILN II LIFILIG KIVIT K P
UniRef90_UPI00038C2D69	MPPVFYCDHPFLFFIKQNKTHSLLFFGRVSSP
UniRef90_A9KID0 UniRef90_I3IVP4	VPIKI SI NRPEEESVIEGNENSI I MII GKI I NP
UniRef90_UPI000258F879	EVKLDRPFLFLI IDSVTNTTLFFGRFIEP
UniRef90_UPI00032B1522 UniRef90_UPI000379FF0A	FTADHPFILIFILI RHNPTSNILIFILIGRIVI <mark>C</mark> SP
UniRef90_R6XNV9	PRKVEFNRPFLYMITEHSTGAILFMG
UniRef90_B2A7B4 UniRef90_UPI0003346C71	S M H F Q   E F N R P F F Y A     E N T E   D T   L   F M G   V V H D P T T F N A N H P F   V   F F     R H N P T Q T   V L   F Y G R   V V   S P
UniRef90_UPI0003346C71	SVRPQVEFDHPFLFFIRHQETE <mark>C</mark> ILFYGR <u>F</u> SSP
Ullikei90_LZBI ICZ	T FLANHPF MFY I E DEST GTILLY MGKVEDP
UniRef90_F6W754 UniRef90_R0FHU7	SLAEEFNCNQPFLFFIRDNKSKNLLFCGRVVAP PPTFVADHPFFFMIREDKTGTVLFAGQIFDPSE PPQFNANHPFLFLLYDTKSGLLLFFGQVFNPQK
UniRef90_UPI00037AE7B2	PIQENANHPELELLYDTKSGLLEIGQVENPQK
UniRef90_F8A573 UniRef90_I3LZ26	SMPLEVRVDRPFLLTVRDGTSGWPLFLGAVEDP VNFNKPFLMAI JHED VILFMSKVTNPK
UniRef90_M9ZTX0	PIV VIR A D K P F II I F F II I H H IV K T D S F II I F W G T IV I M K P T
UniRef90_G3N6K5 UniRef90_UPI00047D3B8C	ELLIL DRPFLELI QHKQIGIVLEMGQENQP
UniRef90_R7ICK8	I T F N K P F M F L I R D K N T K E V W F A G T V Y E P T E V E L T R P F A F L I Y D R S N D E I L F M G K V M  S L P P E L E I N K P F I L I I Y D D N T K S P L F V  P D F V A D R P F L F T V R E D K S G V I L F M G Q V L D P S K  S P E A E R A D H P F A F A I V H R P T L T P L F V G Q V A D P T  P R H M K L D R P F L M M I Y E N F M P S M V F L A R I Y D P S  P F K F Y F N R P F L Y L I A E K R S N T I L F A G Q L S S P  P I D F I C D H P F L F V I K E E V T N V I I F T G R I T D P S  V F Q A D R P F L L F I R E S T I N T L L F S G R V V N P  S A P R T T F F N R P F I V F I K P N N T N S I L F F G R V S S P
UniRef90_R7CLN6 UniRef90_P38028	V   E   L   I   R P F   A F   L   I   Y   D R S N D E   L   F   M G K   V   M
UniRef90_Q9SIR9	PDFVADRPFLFTVREDKSGVILFMGQVLDPSK
UniRef90_D2BC83 UniRef90_Q7TMF5	S P E A E LI R A D H P F A F A II V H R P T LI T P LI F V G Q V A D P T
UniRef90_W8BHP8	PPKFYFNRPFLYLIAEKRSNTI LFAGQLSSP
UniRef90_A9SJW0	PIDFICOHPFLEVIKEEVTNVIIFTGRITOPS VFQADRPFLLFIRESTINTLLFSGRVVNP SVIFNKPFIYAITHIPSETVLFMGKVTDPSK SAPRTTEFNRPFIVFIKPNNTNSILFFGRVSSP SLPLQIIADHPFLFFIWHNKTCSILFYGRFSSP SASPEFKVDHPFLFFIRHNPTDGLLFLARCVSP
UniRef90_H2MGA8 UniRef90 I7MFX0	SVIFNKPFI YAII THI PSETVI FMGKVTDPSK
UniRef90_UPI00001D0992	SAPRTTEFNRPF   VF   KPNNTNS   LFFGRVSSP
UniRef90_UPI0003C11E2F UniRef90_R7VW04	SEIPEQUI I A DHPFILIFFII WHNK I USI LIFY GRESSP SASPEEKVDHPFII I II RHNPTDGII I IFII A ROVISP
UniRef90_X1YK44	IPSQVNFNGPFLMLIREETTRMPLFYGAVYNPK
UniRef90_Q6NY48 UniRef90_UPI0003C29556	SVIFNKPFI YAI THIPSETVLFMGKVTDPSK SAPRTTEFNRPFI VFI KPNNTNSI LFFGRVSSP SLPLQI I ADHPFLFFI WHNKTCSI LFYGRFSSP SASPEFKVDHPFLFLI RHNPTDGI LFLARCVSP IPSQVNFNGPFLMI I REETTRMPLFYGAVYNPK PTNRFDRPFLFFI KHNPTKSI LFWGRF NP IPHEFRADHPFLFFI KHNGTNNI LFCGRCASP PKLFYADHPFI FLI KDQRTNSVLFI GRLVRPK RI VFDRPYVLV VRDGTTGEPLFLARVADPSE TVRFNRPFVI VL KEDDMFFPLFTGRVSDPS
UniRef90_G4W8Y5	PKLFYADHPFI FLIKDQRTNSVLFIGRLVRPK
UniRef90_UPI00036150E6	RI VF D R P Y V L V V R D G T T G E P L F L A R V A D P S E
UniRef90_UPI0001CE1C8B UniRef90_I4DJV9	NRPFMFFIQDEETRQLLIFTGRVSDPS
UniRef90_UPI00037237E8	NRPFMFFIQDEETRQLLFTGRVSDPS VDRPFAFTISDQRTGALLFLGAVTDPS SFRVNRPFLFFIFEDTAGLPLFVGSVKNP
UniRef90_F7AER8 UniRef90_V8NSU5	S F R V N R P F L F F I F E D T A G L P L F V G S V K N P H P E I K I N K S F F F L V K H K Q T G MI L F M G R I C A P K
UniRef90_UPI000258EF1C	HPENKLNKSFFFLVKHKQTGMILFMGRLCAPK PAVFNANHPFLYFIYDKSTQSLLFTG MTLDRPFIFALTDKD NTPLFLGVINNPT
UniRef90_W1UAH4 UniRef90_E6ZI88	MT L D R P F I   F A   I T D K D
UniRef90_W5UDI7	VPEVFNADHPFLFFIRHNSTKSILFAGRY <mark>C</mark> SPPIFAVNMPFLFAIVDDVSHTPLFLGTVTNPVFRADRPFMVLIREVSINSILFMGRVAD
UniRef90_G1KR22	VFRADRPFM <u>VL</u> IREVSLNSILFMGR <u>V</u> AD



lupas\_21 lupas\_14 lupas\_28 jnet conf sol25 sol5

sol0