```
10
20
EPPKPKDTLMSRTPEVT
EPLAPSSKST SGGTAALG
EPLAPCSRSTSESTAALG
EFPPKAKDTLVIARTPEVT
EFPPKPKDVLTITLTPKVT
EFPPKPKDVLTITLTPKVT
EFPPKPKDVLTISGSTVSLG
EFPPKIKDVLMISLSPMVT
EFPPKIKDVLMISLSPMVT
EFPPKIKDVLMISLSPMVT
EFPLVSCESPLSDENLVAMGG
EFPLVSCESPLSDENLVAMGG
EFPLVSCESPLSDENLVAMGG
EFPLVSCESPLSDENLVAMGG
EFPLVSCESPLSDENLVAMGG
EFPLVSCESPLSDENLVAMGG
EFPLVSCESPLSDENLVAMGG
EFPLVSCESPLSDENLVAMGG
EFPLVSCESPLSDENLVAMGG
EFPLSSCSAAAGGDESVELLV
EFPLSSCSAAAGGDESVELLV
EFPLSSCSAAAGGDESVELLV
EFPLSSCSAAAGGDESVELLV
EFPLSSPCNQD ITTSFQVELLG
EFPLSSPCNQD ITTSFQVELLG
EFPLSSPCNQD ITTSFQVELLG
EFPLSSPCNQD ITTSFQVELLG
EFPLSSPCNQD ITTSFQVELLG
EFPLSSPCNQD ITTSFQVELLG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30
C V V V D V S H
C L V K D Y F P
C V V V D V S Q
C V V V D V S Q
C V V V D I S K
C L I S G Y F P
C V V V D V S E
C L V T D L T T
C L A R D F L P
C L A R D F L P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
C L V T D F F P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            V F L F V F L F V F L F V F L F V F L F V F L F T L V F P L S I F T L V F T L S I F T L V F P L S I F T L V F P L S I F T L V F P L S I F T L V F P L S I F T L V F T L S I F T L V F T L S I F T L V F T L S I F T L V F T L S I F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T L V F T 
  QUERY
                                                                                                                                                                                       9999999999
UniRef90_Q6N095
UniRef90_P01859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  UniRef90_G3TSP3
UniRef90_L8B0V2
 UniRef90_P01869
UniRef90_S7NG09
  UniRef90_G3UNP6
UniRef90_Q58E56
UniRef90_UPl0004402704
UniRef90_Q569B8
UniRef90_P01874
UniRef90_H0X4J6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   L K
V T
V Q
W N
L K
 UniRef90_F7BBZ0
UniRef90_UPI00033194DE
                                                                                                                                                                                     S V F P L A S C C K D A T A A S E V Q I L Y S S S C S A A A G D E T V F P L S P C N Q D I T T S F S V S A K P S R P V V S G P T G R
 UniRef90_UPI000387215F
UniRef90_V8NC81
UniRef90_V8NAS3
UniRef90_P1875
UniRef90_P1875
UniRef90_P1875
UniRef90_P1875
UniRef90_P1875
UniRef90_P1875
UniRef90_P1876
UniRef90_P1900032251E
UniRef90_P1900052251E
UniRef90_UP10000532576
UniRef90_UP100052251E
UniRef90_UP100052251E
UniRef90_UP100052251E
UniRef90_UP100052251E
UniRef90_UP100052251E
UniRef90_UP1000525251E
UniRef90_UP1000525251E
UniRef90_UP1000525251E
UniRef90_UP1000525251E
UniRef90_UP1000525251E
UniRef90_UP1000525251E
UniRef90_UP1000525251E
UniRef90_UP100
 UniRef90_V8NAS3
UniRef90_P23085
UniRef90_P23085
UniRef90_G3WJP6
UniRef90_Q1HFX8
UniRef90_UP1000388CF73
UniRef90_UP10004626BDD
UniRef90_UP100020DB11B
UniRef90_UP10002CC42DD5
UniRef90_UP10002CC42DD5
UniRef90_UP1000334485E
UniRef90_UP100035C59E9
UniRef90_UP100045C492E
UniRef90_UP100045C9E9
UniRef90_UP100045A492E
UniRef90_UP100045A492E
UniRef90_UP100035942F4
UniRef90_UP100035942F4
UniRef90_UP1000454B5C4
UniRef90_UP1000454B5C4
UniRef90_UP100032931A7
UniRef90_UP100032058A0C
                                                                                                                                                                                    PRDFVYQFE
PEDFVIQAK
                                                                                                                                                                         PPHF
 UniRef90_Q31140
UniRef90_UPI0003C85A9C
                                                                                                                                                                                                                                                                                                                                                    <mark>C</mark>YFTNGTQR[[RLV]SRN[]YNREEFMRFDS
UniRef90_UPI000359DD95
UniRef90_A1IIV2
UniRef90_UPI000454367E
UniRef90_P20756
                                                                                                                                                                         PSAFFYLSTISECQFLNGTQRVRFTQGYIYNRQQVIQPEKSVSVAAGEPVTLNCSVTSLLPVGP
 UniRef90_UPI0003AE8C55
UniRef90_S7PL01
                                                                                                                                                                                                    VFMLQGKS
                                                                                                                                                                                                                                                                                                                                    E C H F S N G R Q Q V R F L D R Y I Y N R D E L V R F D S
                                                                                                                                                                                       V L T Q P P S I S V K L G Q T A K I T E V L R V P P T L E V F Q V A G D Q V K V T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C G G D N I G N K Y C Q V K K F Y P Q R
 UniRef90_UPI0003443C24
UniRef90_UPI0002C55C68
UniRef90_UP10002C55C68
UniRef90_G1PHZ3
UniRef90_UP10001BEF2DB
UniRef90_A5HTU8
UniRef90_O98027
UniRef90_UP10003AF951C
UniRef90_UP1000298B5AA
UniRef90_UP100038C5EF7
UniRef90_Q30488
UniRef90_Q30488
                                                                                                                                                                                                                                                                                                                                                                 S V S G S P G Q S I T I S C T G T S N G Y N Y V S W Q S E A G S H T L Q W M Y G C D V G T D G R L L R G F Q S E A G S H T L Q W L C C D M G P D G R L L R G Y S
```

VSPGGMATLECAVANVGADKVH MIWIR

QUERY UniRef90\_Q6N095 UniRef90\_P01859 UniRef90\_G3TSP3 UniRef90\_L8B0V2 UniRef90\_P01869 UniRef90\_S7NG09 UniRef90\_G3UNP6 UniRef90\_Q58E56 UniRef90\_UP10004402704 UniRef90\_UP569B8 UniRef90\_P01874 UniRef90\_H0X4J6 UniRef90\_F7BBZ0 UniRef90\_UPI00033194DE UniRef90\_UPI000387215F UniRef90\_V8NC81 UniRef90\_V8NAS3 UniRef90\_V8NAS3
UniRef90\_V8NAS3
UniRef90\_F6TM34
UniRef90\_P01875
UniRef90\_J9VCV1
UniRef90\_UPI0002BD0CF8
UniRef90\_G1SK63
UniRef90\_UPI0003BBFB39
UniRef90\_A8WGW8
UniRef90\_F1LPR6
UniRef90\_UPI0003C87018
UniRef90\_UPI0003C87018
UniRef90\_UPI0003C1A18F
UniRef90\_UPI0003C1A18F
UniRef90\_H13I1
UniRef90\_H2I3I1
UniRef90\_H3AVK5
UniRef90\_UPI00046BC0D6
UniRef90\_UPI00046BC0D6 KANDGG DSVDAKDEHRELDSD ARREWN WN HGSWA UniRef90\_M3YE13 UniRef90\_U5NFT4 UniRef90\_UPl0001CE281E UniRef90\_L8YCL8 UniRef90\_Q8NCL6 UniRef90\_L5JPI9 UniRef90\_L5M782 UniRef90\_UPI00042BCA8A UniRef90\_I6L958 UniRef90\_Q6PDB8 UniRef90\_UPI0003C1251E UniRef90\_F6LID9 UniRef90\_E9PZC9 V D S D R D D DDFERDEG UniRef90 UPI00005D3C7B UniRef90\_P23085
UniRef90\_P23085
UniRef90\_G3WJP6
UniRef90\_Q1HFX8
UniRef90\_UPI000388CF73
UniRef90\_UPI0004626BDD
UniRef90\_UPI00020DB11B
UniRef90\_UPI00020C42DD5
UniRef90\_UPI0002C42DD5
UniRef90\_UPI000334485E
UniRef90\_UPI00037537FC
UniRef90\_UPI00038C59E9
UniRef90\_UPI00045A492E
UniRef90\_UPI00035942F4
UniRef90\_UPI00035942F4
UniRef90\_UPI00035942F4
UniRef90\_UPI00035942F4
UniRef90\_UPI0003555
UniRef90\_UPI000454B5C4
UniRef90\_UPI000454B5C4
UniRef90\_UPI00032931A7
UniRef90\_UPI00032035A00 UniRef90\_P23085 S R C P Q D P D P E V A S A AEFDD SGYFE UniRef90\_Q31140 UniRef90\_UPI0003C85A9C UniRef90\_UPI0003C85A9C UniRef90\_UPI000359DD95 UniRef90\_A1IIV2 UniRef90\_UPI000454367E UniRef90\_P20756 UniRef90\_UPI0003AE8C55 UniRef90\_S7PL01 UniRef90\_UPI0003443C24 UniRef90\_UPI0002C55C68 UniRef90\_UP10002C55C68
UniRef90\_G1PHZ3
UniRef90\_UP10001BEF2DB
UniRef90\_A5HTU8
UniRef90\_O98027
UniRef90\_UP10003AF951C
UniRef90\_UP1000298B5AA
UniRef90\_UP100038C5EF7
UniRef90\_Q30488
UniRef90\_K7G9R2

QUERY RPDRWAYANGAAMDAZONAROH AND SONG ARPONDEN CANDEN CANDEN CANDEN CANDEN CONTRACTOR OF THE PROPERTY OF THE PROPERT UniRef90\_Q6N095 UniRef90\_P01859 UniRef90\_G3TSP3 UniRef90\_L8B0V2 UniRef90\_P01869 UniRef90\_S7NG09 UniRef90\_G3UNP6 UniRef90\_Q58E56 UniRef90\_UP10004402704 UniRef90\_UP569B8 UniRef90\_P01874 UniRef90\_H0X4J6 UniRef90\_F7BBZ0 UniRef90\_UPI00033194DE UniRef90\_UPI000387215F UniRef90\_V8NC81 UniRef90\_G1Q0U3 UniRef90\_V8NAS3 UniRef90\_F6TM34 UniRef90\_P01875 UniRef90\_P01875
UniRef90\_J9VCV1
UniRef90\_J9VCV1
UniRef90\_UPI0002BD0CF8
UniRef90\_G1SK63
UniRef90\_UPI0003BBFB39
UniRef90\_A8WGW8
UniRef90\_F1LPR6
UniRef90\_G1LPR6
UniRef90\_Q4V801
UniRef90\_UPI0003C87018
UniRef90\_M7BQ76
UniRef90\_H12003C1A18F
UniRef90\_A1L311
UniRef90\_H3AVK5
UniRef90\_H3AVK5
UniRef90\_UPI00046BC0D6
UniRef90\_H0XTC1
UniRef90\_H0XTC1
UniRef90\_UPI00038C35C1
UniRef90\_UPI00038C35C1
UniRef90\_UPI00038C35C1
UniRef90\_UPI00038C35C1 UniRef90\_M3YE13 UniRef90\_U5NFT4 UniRef90\_UPI0001CE281E UniRef90\_L8YCL8 UniRef90\_Q8NCL6 UniRef90\_L5JPI9 UniRef90\_L5M782 UniRef90\_UPI00042BCA8A UniRef90\_I6L958 UniRef90\_Q6PDB8 UniRef90\_UPI0003C1251E UniRef90\_F6LID9 UniRef90\_E9PZC9 UniRef90 UPI00005D3C7B UniRef90\_P23085 UniRef90\_G3WJP6 UniRef90\_Q1HFX8 UniRef90\_UPI000388CF73 UniRef90\_UPI0004626BDD UniRef90\_UPI0004626BDD
UniRef90\_UPI00020DB11B
UniRef90\_Q31286
UniRef90\_UPI0002C42DD5
UniRef90\_UPI000334485E
UniRef90\_UPI000334485E
UniRef90\_UPI00037537FC
UniRef90\_UPI000454492E
UniRef90\_UPI00042AC0F8
UniRef90\_UPI00042AC0F8
UniRef90\_UPI00035942F4
UniRef90\_UPI00035942F4
UniRef90\_UPI000454B5C4
UniRef90\_UPI000454B5C4
UniRef90\_UPI000454B5C4
UniRef90\_UPI00032931A7
UniRef90\_Q31140 UniRef90\_UPI00032931A7 UniRef90\_Q31140 UniRef90\_UPI0003C85A9C UniRef90\_UPI000359DD95 UniRef90\_A1IIV2 UniRef90\_UPI000454367E UniRef90\_UPI0003AE8C55 UniRef90\_UPI0003AE8C55 UniRef90\_UPI0003443C24 UniRef90\_UPI0003443C24 UniRef90\_UPI0002C55C68 UniRef90\_G1PHZ3 UniRef90\_UPI0001BEF2DB UniRef90\_A5HTU8 UniRef90\_O98027 UniRef90\_UPI0003AF951C UniRef90\_UPI000298B5AA UniRef90\_UPI00038C5EF7 UniRef90\_U910038C5EF7

**QUERY** UniRef90\_Q6N095 UniRef90\_P01859 UniRef90\_G3TSP3 UniRef90\_L8B0V2 UniRef90\_P01869 UniRef90\_S7NG09 UniRef90\_G3UNP6 UniRef90\_Q58E56 UniRef90\_UPI0004402704 UniRef90\_Q569B8 UniRef90\_P01874 UniRef90\_H0X4J6 UniRef90\_F7BBZ0 UniRef90\_UPI00033194DE UniRef90\_UPI000387215F UniRef90\_V8NC81 UniRef90\_G1Q0U3 UniRef90\_V8NAS3 UniRef90\_F6TM34 UniRef90\_P01875 UniRef90\_J9VCV1 UniRef90\_UPI0002BD0CF8 UniRef90\_G1SK63 UniRef90\_UPI0003BBFB39 UniRef90\_UPI0003BBFB39 UniRef90\_A8WGW8 UniRef90\_F1LPR6 UniRef90\_UPI0003C87018 UniRef90\_Q4V801 UniRef90\_M7BQ76 UniRef90\_UPI0003C1A18F UniRef90\_I3MA97 UniRef90\_I3MA97 UniRef90\_H3AVK5 UniRef90\_UPI00046BC0D6 UniRef90\_H3AVK5 UniRef90\_UPI00046BC0D6 UniRef90\_H0XTC1 UniRef90\_K7FED2 UniRef90\_Q70MK5 UniRef90\_UPI00038C35C1 UniRef90\_M3YE13 UniRef90\_U5NFT4 UniRef90\_UPI0001CE281E UniRef90\_L8YCL8 UniRef90\_Q8NCL6 UniRef90\_L5JPI9 UniRef90\_L5M782 UniRef90\_UPI00042BCA8A UniRef90\_I6L958 UniRef90\_Q6PDB8 UniRef90\_UPI0003C1251E UniRef90\_F6LID9 UniRef90\_E9PZC9 UniRef90 UPI00005D3C7B UniRef90\_P23085 UniRef90\_G3WJP6 UniRef90\_Q1HFX8 UniRef90\_UPI000388CF73 UniRef90\_UPI0004626BDD UniRef90\_UPI0004626BDD
UniRef90\_UPI00020DB11B
UniRef90\_Q31286
UniRef90\_UPI0002C42DD5
UniRef90\_UPI000334485E
UniRef90\_UPI00037537FC
UniRef90\_UPI00037537FC
UniRef90\_UPI000454492E
UniRef90\_UPI000454492E
UniRef90\_UPI00035942F4
UniRef90\_UPI00035942F4
UniRef90\_UPI00555
UniRef90\_UPICCUDE
UNIRef90\_UPICCUDE UniRef90\_UPI000454B5C4 UniRef90\_UPI00032931A7 UniRef90\_Q31140 UniRef90\_UPI0003C85A9C UniRef90\_UPI000359DD95 UniRef90\_A1IIV2 UniRef90\_UPI000454367E UniRef90\_P20756 UniRef90\_UPI0003AE8C55 UniRef90\_S7PL01 UniRef90\_UPI0003443C24 UniRef90\_UPI0002C55C68 UniRef90\_G1PHZ3 UniRef90\_UPI0001BEF2DB UniRef90\_A5HTU8 UniRef90\_O98027 UniRef90\_UPI0003AF951C UniRef90\_UPI000298B5AA UniRef90\_UPI00038C5EF7 UniRef90\_Q30488

QUERY	170 180 190 200 LDSDGSFFLYSKLTVDKSRWQQGNVFS <mark>C</mark> SVMHEALHNHYT
UniRef90_Q6N095	E Q Y N S T Y R V V S V L T V L H Q D W L N G K E Y K C K V S N K A L P A P I E Q F N S T F R V V S V L T V V H Q D W L N G K E Y K C K V S N K G L P A P I L E A D G T F F L Y S K L T V P K D R W Q Q G D I F T C V V L H E A L H N H Y L Q D V D G T Y F L Y S K L A V D K V R W Q R G D L F T C C V V L H E A L H N H Y T M N T N G S Y F V Y S K L N V Q K S N W E A G N T F T C S V L H E G L H N H H T Q L F N S T Y R V V N T F P I L H Q D W L K A K V F K C K V N N K A L P S P I R Q S N T T Y H V V S A L P I S H Q D W L K G K E F K C E V T S S A F P S P A V L D S D G S Y F M Y S K L R V Q K S T W E R G S L F A C S V V H E G L H N H L T P Q A P G L Y F V V L S T L T I V S E E D W N S G E T Y T C V V G H E A L P H M V T T S R P Q T Y K V L S T L T I I Q E D A W L S Q S V F T C K V D H R G L T Z S G P T T Y K V T S M L T I Q E D A W L S Q S V F T C K V E H R G L T P H A P G L Y F A H S F L T V T E E D W N S G E A F T C V V A H E A L P N R V T L H D N G T Y S V V S V L S V C A E D W E S R E K F S C T V R S Q D L P S P V K Q E D G L S S T Y S E V N I T Q G H W V S E S T Y T C R V T Y E E Q F N G T F T A T S T L S V S T Q D W E A G E R F T C M V K H E D L Q V P L N P G T Y T F S T N S V V N I T Q D D W L E G N Y Y Y C E V T H S A S Q T K V E N K D G T F S G W S W L L V N L S A H R E D A M L T C Q V E H D G Q P A V D A N K Y T F S T N S V V N I T Q A D W L D G N T Y Y C Q V T H A A S Q T R T K
UniRef90_P01859 UniRef90_G3TSP3	EQFNSTFRIVVISIVLITIVVIA QD WLINGKEYK CKIVIS NKGLIPAPII
UniRef90 L8B0V2	Q D V D G T Y F L Y S K L A V D K V R W Q R G D L F Q C A V M H E A L H N H Y T
UniRef90_P01869	MNTNGSYFVYSKLNVQKSNWEAGNTFT <mark>C</mark> SVLHEGLHNHHT
UniRef90_S7NG09 UniRef90_G3UNP6	QLIFNSIYRIVVINIFPII LIHQDWLKAKVIFKCKVINNKALIPSPII
UniRef90_G35NF6	LDSDGSYFMYSKLRVQKSTWERGSLFACSVVHEGLHNHLT
UniRef90_UPI0004402704	PQAPGLYFVHSLLTVSEEDWNSGETYTCVVGHEALPHMVT
UniRef90_Q569B8 UniRef90_P01874	T S R P Q T Y K   V T   S T   L   T   T   E S D W L   N   L   N   V   F   T   C   K   V   D H R G   L   T   T   S   G   F   T   C   K   V   E H R G   L   T   T   C   K   V   E H R G   L   T   T   C   K   V   E H R G   L   T   T   T   C   K   V   E H R G   L   T   T   T   T   T   T   T   T   T
UniRef90_H0X4J6	PHAPGLY FAHS FLITVITEED WNSGEAFT CVVAHEALPNRVT
UniRef90_F7BBZ0	LHDNGTYSVVSVLSVCAEDWESREKFSCTVRSQDLPSPV
UniRef90_UPI00033194DE UniRef90_UPI000387215F	E Q F N G T F T A T S T L S V S T Q D WE A G E R F T C MV K H E D L Q V P L
UniRef90_V8NC81	NPGTYTFSTNSVVNITQDDWLEGNVYYCEVTHSASQTKV
UniRef90_G1Q0U3 UniRef90_V8NAS3	NPGTYTFSTNSIVVNIITQDDWLEGNVYYCEVITHSASQTKV ENKDGTFSGWSWLLVNLSAHREDAMLTCQVEHDG QPAV DANKYTFSTNSIVVNIITQADWLDGNTYYCQVTHAASQTRTK EVSEGTFFLYSTLRVQTSTWKEGENFSCVVGHESLPLNFT VGPE VVAESRISVTESEWDTGATFSCVVE KQFNATFTASSSMPIFTHDWEAGETFTCKVEHSDLPSPLIENKDGTFNRTSSLLVNSSAHREAVLLTCQVEHDGQP ENKDGTFNRTSSLLVNSSAHREAVLLTCQVEHDGQP
UniRef90_F6TM34	<u>EV</u> SEGT <u>FFL</u> YSTLRVQTSTWKEGENFS <mark>C</mark> VVGHESLPLNFT
UniRef90_P01875	VGPE VVAESRUSVTESEWDTGATFSCVVE
UniRef90_J9VCV1 UniRef90_UPI0002BD0CF8	K Q F N A T F T A S S S <u>M P  </u>     F T H D W E A G <u>E T F T C K   V   E H S D   L   P S P   L   L   T C Q   V   E H D G Q P</u>
UniRef90_G1SK63	- <u> </u>
UniRef90_UPI0003BBFB39 UniRef90_A8WGW8	ENQUGIES WKS WILVDLIFAHREDAMLIT <mark>C</mark> QVEHDGQPALITT
UniRef90_F1LPR6	QDSCGCYTVSSVLPGCAERWNNGETFTCTATHPEFETPLT
UniRef90_UPI0003C87018	K Q S N N K Y A A S S Y L T L S P S T W K S H S S Y S C R V T H E A G T V S C R V T T H E A G T V S C R V T T H E A G T V S C R V T T H E A G T V S C R V T T T T T T T T T T T T T T T T T T
UniRef90_Q4V801 UniRef90_M7BQ76	HNSNGSYSYRSNLVVSKDDWNEFAQFSCOVNHSTLKMPVV
UniRef90_UPI0003C1A18F	EADFSSAELLSKLTFTPNAEDEEAEFICTFSHE TAHVT
UniRef90_A1L3I1 UniRef90_I3MA97	KAYDGIFIVKSILKISPGDWENKKQFNCKVVHPDLPSPL TGESVSYSVSSTAOVTDADGDVHSOVICEVAHVTUWESPU
UniRef90_H3AVK5	ENQDGTFSWRSWILVDLFAHREDAMLTCQVEHDGQPALTT TDKNGGYETTSYISLTRKEWDLETTYSCVVEHVD SGSLQ QDSCGCYTVSSVLPGCAERWNNGETFTCTATHPEFETPLT KQSNNKYAASSYLTLSPSTWKSHSSYSCRVTHEAGT VEEEEEGFISFSKLTIARSDWMRGATYSCIAAHNTISQRDI HNSNGSYSYRSNLVVSKDDWNEFAQFSCQVNHSTLKMPVV EADFSSAELLSKLTFTPNAEDEEAEFICTFSHE TAHVT KAYDGTFTVKSTLKISPGDWENKKQFNCKVVHPDLPSPL TGESVSYSVSSTAQVTLALGDVHSQVICEVAHVVTLWESPL RNTDGTFNISCSYTFTPTTQDKDKTYSCRVNHTALQGPI RNGDWTFQMLVMLETVP RSGEVYTCHVQHPSSSSPVT AREKASYSVHSTARVALDPGDVHSQVICEVTHVTLEKIPL DASSPTFSTHSNASVSQEDWMQEKIYTCKVSHQG ENKDGTYNWMSWLLVNTCAHRDVVLTCHVBHPSLQSPVT
UniRef90_UPI00046BC0D6	R N G D WT F Q ML V MLE T V P R S G E V Y T C H V Q H P S S S S P V T
UniRef90_H0XTC1 UniRef90_K7FED2	DASSPTFSTHSNASVSQEDWMQEKIIYTCKVSHQG
UniRef90_Q70MK5	ENKDGTYNWMSWLLVNTCAHRDDVVLTCQVEHDG
UniRef90_UPI00038C35C1 UniRef90_M3YE13	RNGDWTFOTI VMILETVP QQGDVYTCOVEHPSI TSPVT
UniRef90_U5NFT4	REEGTQYIVI SQLQTTAEEWESGVEFVC
UniRef90_UPI0001CE281E UniRef90_L8YCL8	CNGDWTFQTLVMLETVP QSGEVYTCQVEHPSVTSPIIT
UniRef90 Q8NCL6	S Q G T T T F A V T S I L R V A A E D W K K G D T F S C M V G H E A L P L A F T
UniRef90_L5JPI9	PQGAATFAVTSMLRVEAESWKSGDSYSCMVGHEALPMAFT
UniRef90_L5M782 UniRef90_UPI00042BCA8A	N N K D G T F N WT S WIL L V N L IS V H R E D V V F T C Q V Q Q D G Q P V V
UniRef90_I6L958	ENKDGTYNWMSWLLVNTCAHRDDVVLTCQVEHDG QNGDWTYQVLVMLEMTP QQGGDVYTCHVEHPSLQSPVT RNGDWTFQTLVMLETVP QSGEVYTCQVEHPSLTSPVT REEGTQYLVMLETVP QSGEVYTCQVEHPSLTSPVT NSSSSTFFALSRLEVSRSDWEQSNFTCRVVHEALSSHVL SQGTTTFAVTSLLRVAAEDWKKGDTFSCMVGHEALSHVL SQGTTTFAVTSLLRVAAEDWKKGDTFSCMVGHEALPLAFT PQGAATFAVTSMLRVEAESWKSGDSYSCMVGHEALPLAFT PQGATFAVTSMLRVEAESWKSGDSYSCMVGHEALPLAFT NNKDGTFNWTSWLLVNLSVHREDVVFTCQVQQDG QPVV DSKDSTYSMSSTLTTLTKDEYERHNSYTCEATHKTSTSPLV PEGATTYLVTSVLRVSAELWKQGDQYSCMVGHEALPMNFT NSQDGTYTMSSQLTLTSTEWLSKTYKCDVTHPTSTAPVT VNKDGTYNWISVLLVMLETTPQRGDTYMCQVEHVSLQHE
UniRef90_Q6PDB8 UniRef90_UPI0003C1251E	NSODGTYTMSSOLTUTSTEWUS KTYKCOVTHPTSTAPVT
UniRef90_F6LID9	QNGDWTYQVLVMLETTP QRGDTYMCQVEHVSLQHPLT VNKDGTYNWLSCLLVNISALEENMVVTCQVEHDGQAEVIE DSKDSTYSMSSTLTLTKDEYERHNSYTCEATHKTSTSPIV
UniRef90_E9PZC9 UniRef90_UPI00005D3C7B	<u>V</u> N K D G T Y N W <u> </u>   S
UniRef90_P23085	EDSDSVISTVNISTQAWLSGAEFYCVVSHQDLPTPL
UniRef90_G3WJP6 UniRef90_Q1HFX8	E G D S V S Y N I T S D V Q V K L E A S D V H S E V I C E V N H S T L Q T P L C N C D T Y K C L V O H A S L K S D L T
UniRef90 UPI000388CF73	SFILLIGFFSVPSCLTYTPTITRDDGAVFECSVEHSALKSAI
UniRef90_UPI0004626BDD	SEADKTYKLSSTLTLSRDEYNSHDTYD <mark>C</mark> EVITHKTLTKPLV
UniRef90_UPI00020DB11B UniRef90_Q31286	RNGDWTFQILVMLEITP QRGDVYTCHVDHPSLQSPVT
UniRef90_UPI0002C42DD5	RNGDWTFQIMVMLEMTPEL GDVYTCLVDHSSLTSPV
UniRef90_L5MGS9 UniRef90_UPI000334485E	R R N D GILY TIVIO S WILV VIN R T G H T R S MIVIT COME
UniRef90_UPI00017537FC	DSKDSTYSLSSTLTLSKADYEKHKVŸA <mark>Č</mark> ĚVTHQGLSSPVT
UniRef90_UPI00038C59E9 UniRef90_UPI000454492E	I K E N K N Y M A S S Y L   S L   T A D Q W R S Y K S   V   S C Q   V   T H E G S L V   O N G D W T Y O L I V   M   E M   V P O S G E   V   Y C O V   E H P S   D A S P   V   T C O V   T C O V
UniRef90_UPI00042AC0F8	Ĕ Ğ E S Y <u>Š V F S T T R V V V V V</u> E Ď Ŭ W S Q I <u>I Č</u> Ě V A H V T L Q G G P L
UniRef90_UPI00035942F4 UniRef90_H9U5S5	S K R D N K Y L A T S F L T M T A E A WK S R N S L S C Q V T H G G T T V P R N G D W T F O M L D S L T S D V T
UniRef90_H90555 UniRef90_K7E052	TIGDS TYN VTS DVQVL LTSK DILSQVTCEVMHSTLQNPL
UniRef90_L5LIG2	LNGDWTFQTLVMLETVP LRGEVYTCQVRHPSSTSSVT
UniRef90_UPI000454B5C4 UniRef90_UPI00032931A7	PAGDGTFQKWAALVVPSGEEER YTCOVOHFGIIPFPIIT
UniRef90_Q31140	RNGDWTFQVLVMLEMTP RRGEVYTCHVEHPCLKSPIT
UniRef90_UPI0003C85A9C UniRef90_UPI000359DD95	PNGDWIFQTMVMLETVP QSGEVYTCRVEHPSWTGPVT  FNGDWIFQTMVMLETVP  QSGEVYTCRVEHPSWTGPVT  FNGDWVMWANOKTTI
UniRef90_A1IIV2	QNGDWTYQV LETVPRRGDSYECRVEHASLPQGIS
UniRef90_UPI000454367E	K G E S I S Y S I S S T A Q V V L G A G D I H S Q I I C E V S H V T L Q G G P L H N G D W T F O I V M I F M T P
UniRef90_P20756 UniRef90_UPI0003AE8C55	PNGDWTFQTMVMLETVP QSGEVYSCRVEHPSLITSPVT
UniRef90_S7PL01	HNGDWTFQLLVMLEMTP QQGDVYTCRVEHPSLDSAVT
UniRef90_UPI0003443C24 UniRef90_UPI0002C55C68	N
UniRef90_G1PHZ3	PAGDGTFQKWAALVVPRGEEQR YMCHVQHEGLPEPLT
UniRef90_UPI0001BEF2DB UniRef90_A5HTU8	K Q S N N K Y A A S S Y L ISIL IT P E Q W K S H R S Y S C Q V IT H E G S T V
UniRef90_O98027	PAGDRTFQKWAALVVVPSGEEQR YTCHVQHEGLPEPLIT
UniRef90_UPI0003AF951C	N
UniRef90_UPI000298B5AA UniRef90_UPI00038C5EF7	PSGDGTFQKWASLVVPSGEEH KYTCRVVHFGIIPFPIIT
UniRef90_Q30488	PAGDGTFQKWAAVVVPSGEEQS YT <mark>CRV</mark> QHEGLPEPVT
UniRef90_K7G9B2	LGPDQIYAVSSHILIRIVISAGEWHAGTRYS <mark>CL</mark> ARHESLIRSPL

QUERY	QKSLSLS
UniRef90_Q6N095	EKTI SK
UniRef90_P01859 UniRef90_G3TSP3	EKTISKT QKSISLS
UniRef90 L8B0V2	QKSVSQT
UniRef90_P01869	E K S L S H S
UniRef90_S7NG09	ERTISK
UniRef90_G3UNP6	K TKT Tere
UniRef90_Q58E56 UniRef90_UPI0004402704	T K T I S R S E R T V D K S
UniRef90 Q569B8	E K I D K O
UniRef90_P01874	
UniRef90_H0X4J6	ERTVDKS
UniRef90_F7BBZ0 UniRef90_UPI00033194DE	KKTL
UniRef90_UPI00033194DE UniRef90_UPI000387215F	NKSISK
UniRef90 V8NC81	W W G E G W
UniRef90_G1Q0U3	Ţ Ķ T [[] T [V]
UniRef90_V8NAS3	SR
UniRef90_F6TM34 UniRef90_P01875	QKTFDHS
UniRef90_J9VCV1	KSIS
UniRef90_UPI0002BD0CF8	
UniRef90_G1SK63	LKTVSK
UniRef90_UPI0003BBFB39 UniRef90_A8WGW8	NLTLMAS
UniRef90_A6WGW6 UniRef90_F1LPR6	VKNMSKS
UniRef90_UPI0003C87018	EKTVSPS
UniRef90_Q4V801	K K N
UniRef90_M7BQ76	KKTLTQS
UniRef90_UPI0003C1A18F UniRef90_A1L3I1	LES EKSLQKS
UniRef90 I3MA97	RGTANLS
UniRef90_H3AVK5	KKDLKL
UniRef90_UPI00046BC0D6	D 0 T 4 N 🗔 0
UniRef90_H0XTC1 UniRef90_K7FED2	R G T A N L S
UniRef90_K7FED2 UniRef90_Q70MK5	QQAVSKS
UniRef90_UPI00038C35C1	Q Q / L O
UniRef90_M3YE13	
UniRef90_U5NFT4	
UniRef90_UPI0001CE281E	E E T V S K
UniRef90_L8YCL8 UniRef90_Q8NCL6	QKTIDR
UniRef90 L5JPI9	QKTIDR
UniRef90_L5M782	
UniRef90_UPI00042BCA8A	Т К Т <mark>Н</mark> Т <u>L</u>
UniRef90_I6L958 UniRef90_Q6PDB8	K QKT∏DR
UniRef90 UPI0003C1251E	K
UniRef90_F6LID9	Q
UniRef90_E9PZC9	T H T V V V T
UniRef90_UPI00005D3C7B UniRef90_P23085	K
UniRef90_1 23003 UniRef90 G3WJP6	
UniRef90_Q1HFX8	
UniRef90_UPI000388CF73	W 0 = 5 5 0
UniRef90_UPI0004626BDD	KSFRRS EKT <u>V</u> A
UniRef90_UPI00020DB11B UniRef90_Q31286	E K I [V]A
UniRef90_UPI0002C42DD5	
UniRef90_L5MGS9	
UniRef90_UPI000334485E	V
UniRef90_UPI00017537FC UniRef90_UPI00038C59E9	K E K S L S
UniRef90_UPI00038C59E9 UniRef90_UPI000454492E	<del></del>
UniRef90_UPI00042AC0F8	LGTANLS
UniRef90_UPI00035942F4	EKSLS
UniRef90_H9U5S5	
UniRef90_K7E052 UniRef90 L5LIG2	
UniRef90_UPI000454B5C4	<u>s</u> nkVs
UniRef90_UPI00032931A7	L R
UniRef90_Q31140	
UniRef90_UPI0003C85A9C UniRef90_UPI000359DD95	RGSARLS
UniRef90_0P1000359DD95	O O A NEIS
UniRef90_UPI000454367E	<u>ĽV</u> T A NLS
UniRef90_P20756	
UniRef90_UPI0003AE8C55	
UniRef90_S7PL01 UniRef90 UPI0003443C24	
UniRef90_UPI0003443C24	
UniRef90_G1PHZ3	LR
UniRef90_UPI0001BEF2DB	EKTVAPT
UniRef90_A5HTU8	L R
UniRef90_O98027 UniRef90_UPI0003AF951C	L R L R
UniRef90_UPI0003AF93TC	Q
UniRef90_UPI00038C5EF7	L R
UniRef90_Q30488	LR C
UniRef90 K7G9B2	ERSIS

```
UniRef90_UPI00024ED2AA
UniRef90_H2M8T0
UniRef90_F7C2F9
UniRef90_W5PGZ6
UniRef90_UPI000395B18B
UniRef90_I3KS29
UniRef90_F2VYX9
                               PKVF
                                                 PLNFCSIQPDGNVVVACLVQGFFPQEP
                                                                                                                         LSVTW
UniRef90_H2NMG5
UniRef90_UPI0003AF2E14
UniRef90_UPI00034F2EBF
                                                 PSP QRVLLGNEAQLRCTFSLAKPPPLFLAVFW
LQFTYGCELQDDGQLIGHW
UniRef90_G3UEZ8
UniRef90_UPI0003C8F812
UniRef90_K9IR26
                                   VLTQPPSLSASP GATARLTCTLSGFVVEGYHINWFQLPSQPVVLGPTRRTAGFRASFNCSGFSPQEITVSWSHTFQCLIGCDMGPDGRLLQAH
UniRef90_V8N425
UniRef90_Q0GC73
UniRef90_Q95410
                               PAAFFYGK [GECHYLNGTER VRFLDRQ [YNRQQFAHFDS
UniRef90_F1NIV8
UniRef90_UPI0003D721B2
UniRef90_UPI0002A4A77F
                              PSVEVLQVSSKE SGQQKLLCSASGF NPQISW
SECHFINGTQRVRFVKRFIYNREQYVHFDS
UniRef90 H1A2M7
                                                                                     SLRVT W
UniRef90_UPI0003D0811B
UniRef90_UPI00034F4E4D
UniRef90_I3NAC6
UniRef90_UPI0003B38FD8
UniRef90_UPI0002C86546
                                                             CGSGGSDVTLGCLATGFNPS TITFSW
GASVKVSCKASGYTFTGYYMHWVR
                              PTVFPLAP
UniRef90_UPI0002C86546
UniRef90_F6RAW8
UniRef90_D9MNN1
UniRef90_UPI000457481C
UniRef90_UPI00038BB73B
UniRef90_UPI00034FD86F
UniRef90_USPYL7
UniRef90_I3JRI7
UniRef90_USBB7
UniRef90_UPI0002A4BB46
UniRef90_UPI0002A4BB46
                                 NLSVWQTPSVITALKGETVNINCSFS AGNVGQLKIKW
QSKGGSHTIQWMFGCEVGSDGRF
PPTHRATL GADTLIPCTFRVETPDSRHLALFW
                                                                                                     DALHGDNWISGCS
                                              P P S P Q R W V V L G K K A Q I E C H A R G Y Y P
                                                                                                                    PPISFSW
UniRef90_G3IHQ2
UniRef90_Q4FZX6
                               PRELVPPTSPMVEVQLTEPNTLVCLVTGFYPAP VNVSW
ECYAENNGTTQRFIMRCIFNREEFMRFDS
QSAGGSHTIQVISGCEVGSDGRLLRGY
UniRef90_Q4TAD5
UniRef90_M0RDH5
UniRef90_Q8HWB2
UniRef90_V9HXI8
UniRef90_UPI0004542FE9
                                                           DVIPINEKLKLMCNINGFRPK AISVKW
IRCVFNSTEVKDFEYVRSW
GGQEIKLLS
AVLECVVGDLSPGEVCITFQ
LPESHTLQVILGCELQEDNSTRGFW
                               P Q V S L I N K P
UniRef90_M7BEX1
UniRef90_UPI0003EBEA2A
UniRef90_F7EEC2
UniRef90_M9MMF9
UniRef90_Q5EEZ1
UniRef90_UPI000334304E
                              PTIQLQPGTLDVILNNA
GSHTLQWLSSCEVGPDWRLRGYW
UniRef90_H9G5Y8
UniRef90_M3XG54
UniRef90_I3MPY1
UniRef90_Q2VCE0
UniRef90_UPI0003945B8D
                               PS FLKISSIPQIPKVERLLVLCCRVENFYPQDIDLEW YPELGPLQKSPEI LYVGEEMTLSCRLHSFHPEP LKVRW
UniRef90 F6YS33
UniRef90_Q76BZ2
                                                                LS IS A S G E V L C S V L S F Y P K E I P I T W S Y
UniRef90_F6S7U2
UniRef90_UPI00034FDAC5
UniRef90_UPI0003BDB3DD
UniRef90_UPI000393EAA2
                                                                              TVRLICTLSGFYPDNLSLGWIL
UniRef90_UPI0003
UniRef90_G1S8R7
UniRef90_G9BET0
UniRef90_D2CZH1
UniRef90_F1N160
UniRef90_P23735
UniRef90_G3HVT4
                              PPSLEDAGMLNETVVVSVQLECKAAGNPVPVITWHVDLQVVGCSAVDRCVFNSTKPDDIQYIYSHVLSQPPSVASFLGATVRLACTLSSDHDVNLHSIYWPQVKITGPSTEDILIKRAGQLECRAEGDTGFKSIKW
UniRef90_B3SNZ7
UniRef90_UPI0002236964
                                   Y F N Q S A G G V H T I Q L M Y G C E V S P E L T F
E I S V I V S N P L E L T C I A S G I P A P K I M W
V H T L P T F T E L P G D L S L N K G E Q L R L S C K A V G I P L P K L T W
Q S H T L Q V I L G C E A Q E D N S T R G F W
UniRef90_D3YXG0
UniRef90_UPI0002C5692E
UniRef90_UPI00020AF15E
                                 R CVF N S S D L K D I E F I Y S M
S V H V P P R I Q R G P R V L K V Q A G Q R V E L P C S A Q G I P A P S V S W
UniRef90_Q6YCN0
UniRef90_UPI000395BE80
UniRef90_L7MZR7
                              PNVVIKLPTLKVLASSDEDTEVSFSCLANDFSPNDYDIKWVSILISQAVELLCQSDAIPPPTLTWPTLKITTEPLEIHDHGHQRVNLTCHINNFYPQNVELLW
UniRef90_G3PH18
UniRef90_UPI0002C37389
UniRef90_UPI000359F0D5
UniRef90_Q7YQ37
                                        L VP P S L K A R G V L N V R A G T P V T L E C E S N A L P A P V I T W N Q E V F I P C T V T D Y G A G D L D P K L L S F P I T Q N V T V T E G G T V N L T C R V C E T N A V P P P V L T W
UniRef90_U3JKT4
UniRef90_UPI00034F8CD7
UniRef90_UPI0003EA9135
UniRef90_UPI000398FCBB
UniRef90_Q9GJJ5
UniRef90_A9LDN0
                                                           E C H Y L N G N K N V R Y L R K D L Y N R E Q F V H F D S
UniRef90_UPI00020AA6AA
UniRef90_UPI0001D56579
                                 NVYV PPSIEEKEVIVETISNPVMLT<mark>C</mark>DATGIPPPTIAW
UniRef90_UPI0003BCA79F
UniRef90 UPI0003C285DA
                                           VPPSIADEATLLVTKLLPAVISCTASGVPAPSVHW
UniRef90_Q9GJC0
                                   K P K I T Y V E N K T A E D Q I T L T C E A S G D P I P S I T W V Y V P P T I S S K G G M V T V V V N D P V R L E C E A S G V P V P S L T W V P F N C T A G P F G S Q E F N V T W
UniRef90_P13590-3
UniRef90 F1QVQ2
```

PPILEDPEPPYNTPFQERVANQRIAFP<mark>C</mark>PAKGTPKPIIKW

UniRef90\_H0XNI5 UniRef90\_Q6PJR7 UniRef90\_UPI0003289004 UniRef90\_UPI00024ED2AA
UniRef90\_H2M8T0
UniRef90\_F7C2F9
UniRef90\_UPI000395B18B
UniRef90\_UPI000395B18B
UniRef90\_L1NM65
UniRef90\_L1NM65
UniRef90\_L1NM65
UniRef90\_UPI0003AF2E14
UniRef90\_UPI0003AF2E17
UniRef90\_UPI0003AF2E18
UniRef90\_UP G A G R K UniRef90\_UPI0002C86546 UniRef90\_F6RAW8 UniRef90\_D9MNN1 UniRef90\_UPI000457481C UniRef90\_UPI00038BB73B UniRef90\_UPI00034FD86F UniRef90\_W5PYL7 UniRef90\_Q38RB7 UniRef90\_Q38RB7 UniRef90\_UPI0002A4BB46 UniRef90\_G3IHO2 A D A A A Q T T R R K R E E A
K R N S T E T N S S S E N R L T H V S D V A K N T S T L I I R D L H L R D S
R G Y E Q V A Y D G L D Y I A L N D D L T T W T A D M A A Q I T K R K WE R D
Y F Q D K E I L N V S S N P R L S L N R D T I R A V A S L S I A N I E I S D G
T V D T A A Q I S K L K P E Q G
D T D G E A V L I L D D E A V W Y A D F N K Q E G I Y P L P P F V D P I T F P
E D L R S W T A A D T A A Q I T R R K W E V A
T R N G K E I K P L Y Q V E G E Q S S D G Y Y A A T A N L A Y Y P S Q E D R N
Q Y A Y D G D D Y I A L N D D L R T W T A D T A A Q I T R R K L Q Q A
A D F E A Q K T R S K W E R E
T R N G E E V T Q G T S N V P Y P N N E G T F T Q I S R L D F V P Q Q
A V G E F R A L T A M G R P W A E S W N K Q K
D Y Ď TRNGKEINKPLIYQUEGEQSSDGYYAATANLAYYPSQEDRNAGQYAYDGDDYLAINDDLRTWADTAAQLTRKKWEREGGTRAGEGT ADFEAQKTRSKWEREGGTRAGEGT ADFEAQKTRSKWEREGGTRAGEGT ADFEAQKTRSKWEREGGTRAGEGT ADFEAQKTRSKWEREGGTRAGEGT ADFEAQKTRSKWEREGGTRAGEGT ADFEAQKTRSKWEREGGT ADFEAQKTRSKWEREGGT ADFEAQKTRSKWEREGGT ADFEAQKTRSKWEREGGT ADFEAQKTRSKWEREGGT ADFEAQKTRSKWEREGGT ADFEAQKTRSKWEREGGT ADFEAQKTRSKWEREGGT ADFEACAGA GALTKRKWEQAGG ANGENTAL ANGENTAL ADFEACAGA GALTKRKWEQAGG ANGENTAL UniRef90\_Q4FZX6 UniRef90\_Q4TAD5 UniRef90\_M0RDH5 UniRef90\_Q8HWB2 UniRef90\_V9HXI8 UniRef90\_UPI0004542FE9 UniRef90\_UPI0003EBEA2A UniRef90\_F7EEC2 UniRef90\_M9MMF9 UniRef90\_Q5EEZ1 UniRef90\_UPI000334304E UniRef90\_H9G5Y8 UniRef90\_M3XG54 UniRef90\_I3MPY1 UniRef90\_Q2VCE0 UniRef90\_UPI0003945B8D UniRef90\_F6YS33 UniRef90\_Q76BZ2 UniRef90\_F6S7U2
UniRef90\_UPI00034FDAC5
UniRef90\_UPI00038DB3DD
UniRef90\_UPI000393EAA2
UniRef90\_G1S8R7
UniRef90\_D2CZH1
UniRef90\_D2CZH1
UniRef90\_F1N160
UniRef90\_P23735
UniRef90\_G3HVT4
UniRef90\_B3SNZ7
UniRef90\_UPI0002236964
UniRef90\_UPI0002C5692E UniRef90\_F6S7U2 UniRef90\_UPI0002C5692E UniRef90\_UPI0002C0AF15E UniRef90\_UPI00020AF15E UniRef90\_UPI000395BE80 UniRef90\_U7M7B7 Y Y N K L E F L R F S S S L G K Y V G Y T E F G V K N A E R N F R G T S A V P T D G G K F L Q S P D G A L A I S S V Q L P Q Y A Y D G K D F L S F D K E T L T W T A D V E A Q I T K R R W D L K N N Q E V T N Q L T P E G R K D A N G T Y S A T S F L M L P S S E W T L K D G H P L L K K P G L S V T E N G S V L K L E D A Q V Q L K N M G K L L T L E V P Q A T R N S V G T Y S L K H T L Q E K V T L N D G E V M Y G L D G E V K W A D F K N K K G V Y P V P D F V G L R Y Q Y K N S R L I P D S A A L E L L A D G Q Y Q T T L R I K A A E Y S S N P A Q Q T L Y F G D K K A L R D N R I E L V R A S S I S I S D V T L S Y K D G S L L S S D K V L I L P G G R V L Q I P R A Q A E D V G H F V A D S P L G E P T A K Y W N S Q P D I L D A D UniRef90\_L7MZR7 UniRef90\_G3PH18 UniRef90\_UPI0002C37389 UniRef90\_UPI000359F0D5 UniRef90\_Q7YQ37 UniRef90\_U3JKT4 UniRef90\_UPI00034F8CD7 UniRef90\_UPI0003EA9135 T E E YKNOUTTLGGINLKALRUNNULLY
SNPAQQTLYFGDKKALRUNNULLY
YKDGSLLSSSDKVLILPGGR
TP
DVGHFVADSPLGEPTAKYWNSQPDLL
KSGDA
KSGDA UniRef90\_UPI000398FCBB UniRef90\_Q9GJJ5 UniRef90\_A9LDN0 D A S G DVGHFVADSPLGEPTAKYWNSQPDIL

KSGDASLQLPGIQLEEAG

KSGDASLQLPGIQLEEAG

SKLQI ARSQRSDSG

YNMMEVVRFDSSVGKYVGYTDFGVKNAADWDQG

TKNGIRLLPRGDGYRLLSSG
AIEIAAAQLNHAG

NQYGYDGEDFIAFDLKTTKWIATPQAVITKLKWDSNT

KTSTRNISNEEKTLDGRIVVRSHARVSSLTLKEIQYTDAG

LKEGSPVSSFSDGIQVLSGGR
VLSFISAQVSDAG

LKEGSPVSSFSDGIQVLSGGR
FHNGRELTGREPGISVLDDG

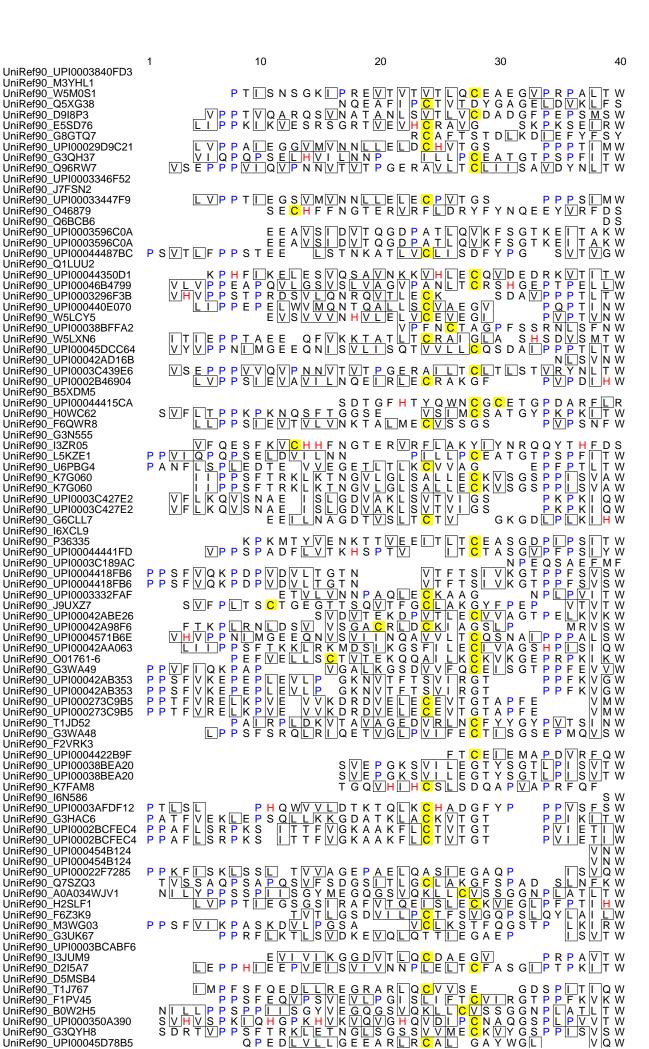
TLLVIASVTPFDNG UniRef90\_UPI00020AA6AA UniRef90\_UPI0001D56579 UniRef90\_UPI0003BCA79F UniRef90\_UPI0003C285DA UniRef90\_Q9GJC0 UniRef90\_F13590-3 UniRef90\_F1QVQ2 UniRef90\_H0XNI5 UniRef90\_Q6PJR7

United 9. UP100004EDDAA | IV | TO G VIG D | SILL K E N K D E K T Y SIL D | IV | K D O R K S P | 10 T | V E P P S A A E M C N R K V | E G P O V K K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K V | E R K HPP HPP KV HH

```
VERRELETE RESPONDED AAGNORMENT DE DOGIO KAPENDE DOGIO KAPENDE KKINAPPONENT NEW YORK TORRESPANDE LILLE LAND ARE ENCORPENDED AAGNORMENT NEW YORK TORRESPANDED AAGNORMENT NEW YORK OF TORRESPANDED AAGNORMENT NEW YORK O
 UniRef90_UPI00024ED2AA
 UniRef90_F7C2F9
UniRef90_F7C2F9
UniRef90_W5PGZ6
UniRef90_UPI000395B18B
UniRef90_I3KS29
UniRef90_H2NMG5
UniRef90_UPI0003AF2E14
UniRef90_UPI0003AF2EBF
UniRef90_UPI0003C8F812
UniRef90_UPI0003C8F812
UniRef90_W5IR26
UniRef90_V8N425
UniRef90_Q0GC73
UniRef90_Q95410
UniRef90_F1NIV8
UniRef90_UPI0003D721B2
  UniRef90_UPI0003D721B2
UniRef90_UPI0002A4A77F
  UniRef90_H1A2M7
UniRef90_UPI0003D0811B
  UniRef90_UPI00034F4E4D
 UniRef90_I3NAC6
UniRef90_UPI0003B38FD8
UniRef90_UPI0002C86546
UniRef90_UPI0003B38FD8
UniRef90_UPI0003C86546
UniRef90_UPI0002C86546
UniRef90_UPI0002C86546
UniRef90_UPI000457481C
UniRef90_UPI0003BB73B
UniRef90_UPI00034FD86F
UniRef90_UPI00034FD86F
UniRef90_USPYL7
UniRef90_U3JRI7
UniRef90_UPI0002A4BB46
UniRef90_UPI0002A4BB46
UniRef90_UPI0002A4BB46
UniRef90_UPI0002A4BB46
UniRef90_UPI0002A4BB46
UniRef90_UPI0002A4BB46
UniRef90_UPI0004542FE9
UniRef90_UPI0004542FE9
UniRef90_UPI0004542FE9
UniRef90_UPI0003EBEA2A
UniRef90_UPI0003EBEA2A
UniRef90_UPI0003BEBEA2A
UniRef90_UPI0003434304E
UniRef90_UPI000334304E
 UniRef90_UPI000334304E
UniRef90_H9G5Y8
 UniRef90_M3XG54
UniRef90_I3MPY1
  UniRef90_Q2VCE0
UniRef90_UPI0003945B8D
  UniRef90_F6YS33
UniRef90_Q76BZ2
UniRef90_F67S33
UniRef90_Q76BZ2
UniRef90_G76BZ2
UniRef90_UPl00034FDAC5
UniRef90_UPl00038DB3DD
UniRef90_UPl000393EAA2
UniRef90_G1S8R7
UniRef90_G9BET0
UniRef90_G9BET0
UniRef90_P23735
UniRef90_P23735
UniRef90_P23735
UniRef90_UPl0002236964
UniRef90_UPl0002236964
UniRef90_UPl0002C5692E
UniRef90_UPl0002OAF15E
UniRef90_UPl0002OAF15E
UniRef90_UPl000395BE80
UniRef90_UPl000395BE80
UniRef90_UPl0002C37389
UniRef90_UPl0002S97389
UniRef90_UPl000359F0D5
UniRef90_UPl000359F0D5
UniRef90_UPl000379
UniRef90_Q7YQ37
UniRef90_U3JKT4
UniRef90_UPI00034F8CD7
UniRef90_UPI0003EA9135
UniRef90_UPI000398FCBB
UniRef90_Q9GJJ5
UniRef90_A9LDN0
UniRef90_UPI00020AA6AA
  UniRef90_UPI0001D56579
UniRef90_UPI0003BCA79F
UniRef90_UPI0003C285DA
UniRef90_Q9GJC0
UniRef90_P13590-3
UniRef90_F1QVQ2
  UniRef90_H0XNI5
  UniRef90 Q6PJR7
```

	/ma
UniRef90 UPI00024FD2AA	170 180 190 200 TKEGNKFMASSFIL   H   L   TSDQWRSHNSFT CQV   THEG DT   V
	MDTNGRVTVTSRLDVTQTEWKTGKTFT <mark>C</mark> EV
UniRef90_F7C2F9 UniRef90_W5PGZ6	PAGDGTFQKWAAVVVPSGEEQR YTCHVQHKGLPEPVT PSGDGTFQKWAALVVLSGEEQR YTCRVQHEGLQEPLT
UniRef90_W3FG26 UniRef90_UPI000395B18B	ANGDWSQQLLVLLETPP RRGATYT <mark>C</mark> QVEHVSLEQPL
UniRef90_I3KS29	S N K D G T F T Q T S K   L   D F   V   P
UniRef90_F2VYX9 UniRef90_H2NMG5	PAGDGTFQKWAAVVVPFGEEQR YT <mark>CHV</mark> QHEGLPQPVT RDL <mark>C</mark> GCYSVSSVLPGCADPWKRGETFTCTA ALPKSET
UniRef90_H2NMG3 UniRef90_UPI0003AF2E14	RDLCGCYSVSSVLPGCADPWKRGETFTCTA ALPKSETPSGDGTFQKWAALVVPSGEEQR YTCRVQHEGLQEPLT
UniRef90_UPI00034F2EBF	R N P D G T Y R <u>V   R G T V   T  </u> L   P P M D G Q <u>L  </u> D H N F S <mark>C</mark> R   V   Q H <u> L  </u> S  L   Q Q P  L   <u>Q</u>
UniRef90_G3UEZ8 UniRef90_UPI0003C8F812	PSGDGTFQKWAAMVVPSGEEQR YTCRVQHEGLPEPLT PAGDGTFQKWAAVVVPSGEEQR YTCHVQHEGLPEPLT
UniRef90_K9IR26	K Q S N N K Y V A S S Y L   S M S A S K W K S A S Q Y S C H V T H E V S T V
UniRef90_V8N425 UniRef90_Q0GC73	S N P D G T F S L K S N L E M L A T E D R N F S M F L C Q V Q H D S Q S L V
UniRef90_Q95410	PAGDGTFQKWAAVVVVPSGKEQR YTCHVQHEGLPEPLT
UniRef90_F1NIV8	PNGDWTYRTQVALRASTAA GSTYTCSVWHSSLEQPLQ
UniRef90_UPI0003D721B2 UniRef90_UPI0002A4A77F	KDPDSSSYSMSSRLNVSQTNDKKSTYTCVVRHESSNSPF
UniRef90_H1A2M7	PAGDGTFQKWASVVVPNGEEQ KYTCLVEHEGLPEPLT PAGDGTFQKWASVVVPNGEEQ KYTCLVEHEGLPEPLT PNGDWTYRTQVALRASTAA GSTYTCSVWHSSLEQPLQ PAGDGTFQKWAAVVVPLGKEQN YTCHVEHEGLPEHLT KDPDSSSYSMSSRLNVSQTNDKKSTYTCVVRHESSNSPF PSGDWTYQL LETPTRAGLTYTCQVVBHESSNSPF
UniRef90_UPI0003D0811B UniRef90_UPI00034F4E4D	KNEDGI F SILILLI TI ET FUNS DI GAMEA CRIVATIFALIR GELL
UniRef90_I3NAC6	PAGDGNFQKWASVEVPAGEEQR Y CHVHHEALPEPLT
UniRef90_UPI0003B38FD8 UniRef90_UPI0002C86546	NEENTTYSRTTEIITPDKEEWIIKGSTFK <mark>C</mark> KSTHKA
UniRef90_F6RAW8	R Q S D G T F C G T A L L I V S V S A T E Q G V Q F L C Q V R H P S L G E P L E
UniRef90_D9MNN1	PAGDRTFQKWAAVVVPSGEEQR YTCHVQHEGILAEPVT
UniRef90_UPI000457481C UniRef90_UPI00038BB73B	PSGDGTFQKWAALVVPSGEEH KYTCHVYHKGLPEPLIT
UniRef90_UPI00034FD86F	RNADGTYRVTSTVTLVPTEGNRNQNFSTRVQHESLSAPLQ
UniRef90_W5PYL7 UniRef90_I3JRI7	PNKDGSFKQTSRLNFIIP KQGDVYSCTVFHVAIITQPMT
UniRef90_Q38RB7	GNKDGTFNVSSHLTIINPSLEEDGDQYSCVISHRSLEK PAGDGNFQKWASVEVPAGEEQR NEENTTYSRTTEITPDKEEWIKGSTFKCKSTHKA DSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVT RQSDGTFCGTALLIVSVSATEQGVQFICQVRHPSLGEPLE PAGDRTFQKWAAVVVPSGEEQR YTCHVQHEGLAEPVT HNIDGSFSITSLKLSASDWNETKNYSCHVNHSTLSAPII PSGDGTFQKWAALVVPSGEEH KYTCHVYHKGLPEPLT RNADGTYRVTSTVTIVPTEGNRNQNFSIRVQHESLSAPLQ PSGDGTFQKWAALVVPSGEEQR YTCHVQHEGLQEPLT PNKDGSFKQTSRLNFIP KQGDVYSCTVEHVALTQPMT PAGDGTFQKWAAVVVPSGEEQR YTCHVQHEGLAEPVI NPDGTYKTRHFFTLSPEQRQQRGPVKCAVTIPPGVENSV
UniRef90_UPI0002A4BB46 UniRef90_G3IHQ2	PNKDGSFKQTSRLNFIP KQGDVYSCTVEHVALTQPMT PAGDGTFQKWAAVVVPSGEEQR YTCHVQHEGLAEPVI NPDGTYKTRHFFTLSPEQRQQRGPVKCAVTLPGVENSV PSGDGTFQKGAALVVPSGEEQ KYTCHVHHEGLPEPLT PAGDGTFQKWASVVVPLGKEQN YTCLVEHEGLPEPLT FGD LSARLQLLSAAFEDSGIYTCEVHNDA RNGDWTFQILVMLEMTP QRGDVY VEHPSLESPVT PSGDGTFQKWASVVVVPLGKEQN YTCHVHHEGLPEPLT
UniRef90_Q4FZX6	PAGDGTFQKWASVVVPLGKEQN YTCLVEHEGLPEPLT
UniRef90_Q4TAD5	F G D LSARLQLLSAAFEDSGIYTCEVHNDA RNGDWTFQILVMLEMTP QRGDVY VEHPSLESPVT
UniRef90_M0RDH5 UniRef90_Q8HWB2	PSGDGTFQKWASVVVPLGKEQN YTCHVHHEGLPEPLT
UniRef90_V9HXI8	PSGDGTFQKWASVVVPLGKEQN PNSDGTYHAWATIDVLPG DRDKYQCRVEHASLPQP PAGDGTFQKWASVEVPVGEEQN YTCFVEHEGLPEPLT PCEIDYFSVWSQTEFMLTSEEEGAVYICQIKHSSFGN ADGDWYYQTHSHLEYTP RSGEKISCVVEHASLKEPLI HNNDGTYSLSSFFMLTASRLNDGAVFTCRVEHTSLKHPLI
UniRef90_UPI0004542FE9 UniRef90_M7BEX1	PCEIDY F SVWSQTEF MILITSEEE G A VY I COUK HSSF G N
UniRef90_UPI0003EBEA2A	ADGDWYYQTHSHLEYTP RSGEKISCVVEHASLKEPLI
UniRef90_F7EEC2 UniRef90_M9MMF9	HNNDGIYSLSSFFMLIASRLNDGAVFICRVEHISLKHPL
UniRef90_Q5EEZ1	LMQDGHVKVYSEILVPQDEWNKGVNFTCLVT DGTNKETV PNGDGTYQAWVALAMLPGEEQR YSCQVEHPGLDQPLT PGGDGTFQKWTAVVVPSGEEQR YTCHVQHEGLPVPRV
UniRef90_UPI000334304E UniRef90_H9G5Y8	PGGDGTFQKWTAVVVPSGEEQR YTCHVQHEGLIPVPRV
UniRef90_M3XG54	T G S L QI T F A Q P N D S G R Y T C T A T N A A G S S S Y P G G D G T F Q K WVA V V V P S G E E Q R Y T C H V Q H G G L P K P L M P A G D G N F Q K WA A V V V R A G E E Q R Y T C H V H H E G L P E A L T
UniRef90_I3MPY1	PAGDGNFQKWAAVVVRAGEEQR YTCHVHHEGLPEALT
UniRef90_Q2VCE0 UniRef90_UPI0003945B8D	PNSDGTYHAWATI EVLPG DRDKYQCRVEHASLPQP LNVNGLYSMFSFLKLNPTKNDQGCTFKCQVVHSAQKEP EDPPGSFSKMTEI HLTPTLSDHGTEFHMEI LH NMKIT
UniRef90_F6YS33	EDPPGSFSKMTEI HLTPTLSDHGTEFHMEI LH NMKIT
UniRef90_Q76BZ2 UniRef90_F6S7U2	QNGDWTYQV LVVLETVPRRGDSYECRVEHASLPQGIS QNYCGTYISTEYLHFIPSLSHQGAELVCRVAHPSLAQPI
UniRef90_UPI00034FDAC5	R N P D G T Y R V R G T V T L P P M D G Q L D H N F S C R V Q H H S L Q Q P L Q
UniRef90_UPI0003BDB3DD UniRef90_UPI000393EAA2	ANGDWIYQVHSHIEYMP RSGEKIISCVVEHASIJEKPILI
UniRef90_G1S8R7	LSGGR LAFTSAQUSDTGRYTCVAVNAAGEK
UniRef90_G9BET0 UniRef90_D2CZH1	PNUUSSERQISRLEEVIP QPGDIIYSCSVQHPALQEPLT ADGDWEYQIHSHIEYTP RSGEKIISCVVEHASIISK PII V
UniRef90_F1N160	QQSSSKYVASSYLTLTGSEWKPKSSYSCEVTHEG STV
UniRef90_P23735 UniRef90_G3HVT4	I D K N NIL IF S V J Y S Q IL I I K T A D W N S G S V J F S C L V J Y H E S II K D C V J P S G D G T F O K W A V V V V P S R F F O R Y T C H V H H F G II P F P I J T
UniRef90_B3SNZ7	PAGDGTFQKWAAVDVASGQE GRYT <mark>CRVQHEGLPEPL</mark> T
UniRef90_UPI0002236964 UniRef90_D3YXG0	ILISGGRYF QIINNADILIDDTANYT CVASNIVA
UniRef90_UPI0002C5692E	PNGDGTYQGCVALAVPPGEERR YTCQVEHPGLDQPLT
UniRef90_UPI00020AF15E UniRef90_Q6YCN0	K Q S N N K Y A A S S Y L IS L T P E Q W K S H R S Y S C Q V T H E G S T V
UniRef90_UPI000395BE80	LE DGTLLVIAALT PSDSGDYVCVAANEAGS T
UniRef90_L7MZR7	QNYOGTY ISTEYL HFIPS ISHQGAE VCRVAHPS LAQPLQ RNPDGTYRVRGTVTLPPMDGQLDHNFSCRVQHHSLQQPLQ AT HISNLSVSSTQWENMKYVTCKAEHKCFTS A ANGDWLYQVHSHLEYMP RSGEKLSCVVEHASLEKPLI LSGGR LLAFTSAQISDTGRYTCVAVNAAGEK PNDDSSFRQTSRLEFVP QPGDIYSCSVQHPALQEPLT ADGDWFYQIHSHLEYTP RSGEKLSCVVEHASLSKPLV QQSSSKYVASSYLTLTGSEWKPKSSYSCEVTHEG STV LDRNNLFSVYSQLIIKTADWNSGSVFSCLVYHESIKDCV PSGDGTFQKWAAVDVASGQE GRYTCHVHHEGLPEPLT PAGDGTFQKWAAVDVASGQE GRYTCHVHHEGLPEPLT LSGGRYF QINNADLDDTANYTCVASNVA GNG PNGDGTFQKWAAVDVASGQE GRYTCRVQHEGLPEPLT LSGGRYF QINNADLDDTANYTCVASNVA GNG PNGDGTYQGCVALAVPPGEERR YTCQVEHPGLDQPLT ADGDWYYQIHSHLEYTP RSGEKISCMVEHASLREPLI LSGGRYF QINNADLDDTANYTCVASNVA GNG PNGDGTYQGCVALAVPPGEERR YTCQVEHPGLDQPLT LSGGRYF QINNADLDDTANYTCVAANEAGS T PNSDGTYYTWRSITVPPRSGEKKSCMVEHASLREPLI LEDGTLLVIAALT PSDSGDYVCVAANEAGS T PNSDGTYYTWRSITVDPKERER T FPPRGSKE SLPLDIDYDEWSRGTKFYCVVE TLSGGR QLQISVAEESDAGLYTCVASNVA
UniRef90_G3PH18 UniRef90_UPI0002C37389	TILIS G G R QL QI SIVA E E S D A GILLY T CIVA S NIVA
UniRef90_UPI000359F0D5	RNEDGSYTLELSQSVNTSLQRPDQVLTCKVEHEAQPPL
UniRef90_Q7YQ37 UniRef90_U3JKT4	I LISGG SKLIQITARSOLL DSGTYMCITASNPFGKAHKT
UniRef90_UPI00034F8CD7	GNGDGTFNVTSQLSIKPSLEDHGRRYYCLIKHRSLDTEL
UniRef90_UPI0003EA9135 UniRef90_UPI000398FCBB	NASGKIFIVISIL QL QIV D KND D GV A Y T C R V D H V A L N T S P Q FNGR TI OI INSONT D T GRY V CV V FNI A
UniRef90_Q9GJJ5	QNDDGTFQKSSHLTVTPEËWKN NKYQCVVQVKGLKEDFL
UniRef90_A9LDN0 UniRef90_UPI00020AA6AA	QNGDWTYQVLVMLETTP QRGDTYVCQ KNMDGTENVTSRIKINSSOEDPGTVVOCVVWLOSSPTSI
UniRef90_UPI0001D56579	VSANG STLNLYGALTSDTGKYTCVATNPAGEE
UniRef90_UPI0003BCA79F	A D G D WY Y Q T H S H L E Y T P R S G E K L S C K V E H A S L K E P L I
UniRef90_UPI0003C285DA UniRef90_Q9GJC0	PNDDGTFQKSSHLITVTPED RKNSKYQCVVQVKGIIKKDFII
UniRef90_P13590-3	T L S G G R  R N E D G S Y T L E L S Q S V N T S L Q R P D Q V L T C K V E H E A  R N E D G S Y T L E L S Q S V N T S L Q R P D Q V L T C K V E H E A  V N K D G T F N Q F S K L D F T P  Q Q G D F Y S C S V S H P A L K E P L T  L S G G  S K L Q L A R S Q L L D S G T Y M C I L A S N P E G K A H K T  G N G D G T F N V T S Q L S I K P S L E D H G R R Y Y C I I K H R S L D T E L  N A S G K T F T V T S T L Q L Q V D R N D D G V A Y T C R V D H V A L N T S P Q  F N G R  T L Q I L N S Q I T D T G R Y V C V V E N I A  Q N D D G T F Q K S S H L T V T P E E W K N N K Y Q C V V Q V K G L K E D F L  Q N G D W T Y Q V L V M L E T T P  Q R G D W T Y Q V L V M L E T T P  R S G E K T S C K V E H A S C K E P L I  N M D G T F Q K S S H L T V T P E D R K N S K Y Q C V V Q V K G L K E D F L  N G S L Q I A R A A T G D A G K T Y M C V A Q N S A  P N D D G T F Q K S S H L T V T P E D R K N S K Y Q C V V Q V K G L K E D F L  N T P S  A S Y L E V T P D S E N D F G N Y N C T A V N  V S E D G S F  K L I S A Q V Q D T G R Y S C K A L N T A G T S Q  N G N  R L K L F R A T P E D A G R Y S C K A L N T A G T S Q
UniRef90_F1QVQ2 UniRef90_H0XNI5	RNHDGTYSLEHM WQAEARLQGSEFACWVVQD EQPPV
UniRef90_Q6PJR7	KQSNNKYÄÄSSYLSLTPEQWKSHRSYS <mark>C</mark> QVTHEG STV
UniRef90_UPI0003289004	NNGN RLKLFRATPEDAGRYSCKALNTAGTSQ

H-'D-(00	LIBIOGGO AE DO A A	5 K Olt 10
UniRef90_	_UPI00024ED2AA H2M8T0	E K S L S
UniRef90	F7C2F9	RR
UniRef90	W5PGZ6	LR
UniRef90_	_UPI000395B18B	17
UniRef90_ UniRef90	_I3KS29 _F2\/YY0	K R R
UniRef90	H2NMG5	QLTITKS
UniRef90	UPI0003AF2E14	LR
	UPI00034F2EBF	<u>E</u> _
UniRef90_	_G3UEZ8	L R
UniRef90_ UniRef90	_UPI0003C8F812	LR EKT <u>VVP</u> S
UniRef90	V8N425	NETTTL
UniRef90_	Q0GC73	L R
UniRef90_		<u>L</u> R
UniRef90_	F1NIV8	E <sub>D</sub>
UniRef90_	_UPI0003D721B2 UPI0002A4A77F	L_R
UniRef90	H1A2M7	R
UniRef90_	UPI0003D0811B	Ë
	_UPI00034F4E4D	
	ISNAC6	L_R
UniRef90_	_UPI0003B38FD8 UPI0002C86546	K
UniRef90	F6RAW8	RSTGALS
UniRef90_	_D9MNN1	L R
	_UPI000457481C	ER ISVN
UniRef90_	_UPI00038BB73B	<u>L</u> R
UniRef90_ UniRef90	_UPI00034FD86F	E L R
	_W3F1E7 _I3JRI7	K
UniRef90	Q38RB7	Ï R
	UPI0002A4BB46	
UniRef90_	_G3IHQ2	L R
UniRef90_ UniRef90	_Q4FZX6 _O4TAD5	QR
UniRef90	MORDH5	
UniRef90_	_Q8HWB2	LR
UniRef90_	_V9HXI8	
UniRef90_	_UPI0004542FE9	L_R
UniRef90_	_M7BEX1 UPI0003EBEA2A	
UniRef90	F7EEC2	RKSVKV
UniRef90	M9MMF9	R K S V K V E K N T S I
UniRef90_		<u></u>
UniRef90_ UniRef90	_UPI000334304E H9G5Y8	<u>L</u> R
UniRef90		LKWESPS
UniRef90	I3MPY1	L R
UniRef90_	Q2VCE0	
	_UPI0003945B8D	V V T F OIL
UniRef90_ UniRef90	_F6YS33 _Q76BZ2	KKTF <mark>C</mark> L Q
UniRef90_		Q
	UPI00034FDAC5	E
UniRef90_	_UPI0003BDB3DD	ĒKT∐N∐
	_UPI000393EAA2	
UniRef90_ UniRef90	_G1S8R7 G9BET0	Q R D L D L
UniRef90	D2CZH1	· ·
UniRef90_	F1N160	TKTVKPS RHISRS
UniRef90_	_P23735	
UniRef90_ UniRef90	_G3HVT4 B3SNZ7	L R L
UniRef90	UPI0002236964	
UniRef90	D3YXG0	ERSMSLT
UniRef90_	_UPI0002C5692E	5 K 7 M
UniRef90_ UniRef90	_UPI00020AF15E Q6YCN0	E K T $\overline{\mathbb{V}}$ A
UniRef90	UPI000395BE80	QRRYSL
UniRef90_	L7MZR7	Q IV IV O E
UniRef90_	_G3PH18	
UniRef90_	_UPI0002C37389	0 4 0 1 1 1 0
UniRef90_ UniRef90	_UPI000359F0D5 _Q7YQ37	QASIILS R
UniRef90	U3JKT4	IX
UniRef90_	UPI00034F8CD7	
UniRef90_	UPI0003EA9135	QTT
UniRef90_	UPI000398FCBB	V
UniRef90_ UniRef90	_Q9GJJ5 A9LDN0	K
UniRef90	UPI00020AA6AA	
UniRef90_	UPI0001D56579	
	UPI0003BCA79F	
UniRef90_ UniRef90	_UPI0003C285DA _Q9GJC0	E
	_Q9GJC0 _P13590-3	L
UniRef90_	F1QVQ2	EKHYNLN
UniRef90_	H0XNI5	K A N I T L E K T V A P T
UniRef90_		EKT <u>V</u> APT
UniRef90_	_UPI0003289004	



LKDGHPLVNGRGVQVLNEGR
FEWKMKTMNGSDKQVYLYVSGTHRGNVALHLPR
TKDGEPIELEEEDDDKHIFSDD
SSELTIRNN
YKNDKLIQDSVFEESVQEKDKLITTVSRIRWVA(
N YNKIKYIEFSSSLGKFVGYTELGVKN/
LKDGQSIDERDGFKILL NGRKLVVAQAQVS
QKEGINVNTSGRNHAVLPSGG
QRNDRDVRLAEPARIRTLAN
LSLELKSO
ADPVAQITQA
LVLTQI
DVGEFRAVSELGRHSAEYWNSRKDLL
TTGGFFQYAYDGQDFISLDKRTLTADAGAQVTKR
FKDGKEL
TLGPKHKISVSDTVSILKIIST
KEDGTTITGVQTTKPSKQSNSKYAASSYLSLTAS
SKDGQKIPAGKDYKLYFFDK

SKDGQKIPAGKDYKLYFFDK

SKDGQKIPAGKDYKLYFFDK

FRDGVISITAG 50 UniRef90\_UPI0003840FD3 KKKQDPE UniRef90\_M3YHL1 UniRef90\_W5M0S1 UniRef90\_Q5XG38 UniRef90\_D9I8P3 UniRef90\_E5SD76 UniRef90\_G8GTQ7 UniRef90\_UPI00029D9C21 UniRef90\_G3QH37 UniRef90\_Q96RW7 AVREVKFN HQWE ANWN UniRef90\_UPI0003346F52 UniRef90\_J7FSN2 UniRef90\_UPI00033447F9 UniRef90\_O46879 UniRef90\_Q6BCB6 UniRef90\_UPI0003596C0A UniRef90\_UPI0003596C0A UniRef90\_UPI00044487BC UniRef90\_Q1LUU2 UniRef90\_UPI00044350D1 UniRef90\_UPI00046B4799 UniRef90\_UPI00046B4799
UniRef90\_UPI00046B4799
UniRef90\_UPI0003296F3B
UniRef90\_UPI000440E070
UniRef90\_W5LCY5
UniRef90\_UPI00038BFFA2
UniRef90\_UPI00045DCC64
UniRef90\_UPI00042AD16B
UniRef90\_UPI0003C439E6
UniRef90\_UPI0003C439E6
UniRef90\_UPI0003C439E6
UniRef90\_UPI00044415CA
UniRef90\_UPI00044415CA
UniRef90\_H0WC62
UniRef90\_F6QWR8
UniRef90\_G3N555
UniRef90\_G3N555
UniRef90\_I3ZR05
UniRef90\_L5KZE1
UniRef90\_L6PBG4
UniRef90\_UPI000 UniRef90\_K7G060 UniRef90\_K7G060 UniRef90\_UPI0003C427E2 UniRef90\_UPI0003C427E2 UniRef90\_G6CLL7 UniRef90\_I6XCL9 UniRef90\_P36335 UniRef90\_UP100044441FD UniRef90\_UPI0003C189AC UniRef90\_UPI0004418FB6 UniRef90\_UPI0004418FB6 UniRef90\_UPI0003332FAF UniRef90\_UPI0003332FAF UniRef90\_UPI00042ABE26 UniRef90\_UPI00042A98F6 UniRef90\_UPI0004571B6E UniRef90\_UP100042AA063 UniRef90\_O01761-6 UniRef90\_G3WA49 UniRef90\_UP100042AB353 UniRef90\_UPI00042AB353
UniRef90\_UPI00042AB353
UniRef90\_UPI00042AB353
UniRef90\_UPI000273C9B5
UniRef90\_UPI000273C9B5
UniRef90\_TJJD52
UniRef90\_G3WA48
UniRef90\_F2VRK3
UniRef90\_UPI0004422B9F
UniRef90\_UPI00038BEA20
UniRef90\_UPI00038BEA20
UniRef90\_UPI0003AFDF12
UniRef90\_UPI0003AFDF12
UniRef90\_UPI0003AFDF12
UniRef90\_UPI0002BCFEC4
UniRef90\_UPI0002BCFEC4
UniRef90\_UPI0002BCFEC4
UniRef90\_UPI000454B124
UniRef90\_UPI00025FEC4
UniRef90\_UPI00025FEC4
UniRef90\_UPI00025FEC4
UniRef90\_UPI000454B124
UniRef90\_UPI00025FEC4
UniRef90\_UPI000454B124
UniRef90\_UPI000454B124 UniRef90\_F6Z3K9 UniRef90\_M3WG03 UniRef90\_G3UK67 UniRef90\_UPI0003BCABF6 UniRef90\_I3JUM9 UniRef90\_D2I5A7 UniRef90\_D5MSB4 UniRef90\_T1J767 UniRef90\_F1PV45 UniRef90\_B0W2H5 UniRef90\_UPI000350A390 UniRef90\_G3QYH8

UniRef90\_UPI00045D78B5

AGG L R G A A G G S T

June 800   Web		
### ### ### ### ### ### ### ### ### ##	UniRef90 UPI0003840FD3	90 100 110 120
JAMERSON DESIGNATION OF THE STATE OF THE STA	UniRef90_M3YHL1	
June		FYTCTVFYTPNKVVGHSTII QVSAPPTASITPTDIITM
This is a second of the content of	UniRef90_D9I8P3	
This is a second of the content of		I FT CS A R H P A L L A D D A L R T N F T L S V L Y P P S F P E I I Y D G R T L I A S W R A O K F V Y C K P N I D V D Y R S A L T K S A S P T V K I H S M M P V
This is a second of the content of	UniRef90_UPI00029D9C21	LY R C MA A N T A G D H K K E F E V T V H V P P T I K S S G L S R V V
The state   The		TYMCVAQNPAGTALIGK I KLNVQVPPV I SPHLKEYVI I
The state   The	UniRef90_UPI0003346F52	RAE RVSDILQGR <mark>C</mark> PMWLRRLLERGKEVLQRTDPPNTHL
Junkergo UPIDO04435019 TL_V	UniRef90_J7FSN2	KQYRTQII <mark>C</mark> I ERLIKKYLQYGERTLIKRQVSPQVSLLQKDSS
Jameseo Jupiood435019	UniRef90_O46879	EDERASVDNY CRYNYGVVESFTVQRRVQPKVTVY PAKTQ
Jameseo Jupiood435019		EYWKGYLEQT <mark>C</mark> IJEWLGKYLSYGKQRMEPPEVQVLAKTS
Junkergo UPIDO04435019 TL_V	UniRef90_UPI0003596C0A	EYTFEVQNDVGRSSCKASINVLDLII PPSFTKKLRKMDS
JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P67  PE E LL S E LL S E VIS C E LA T S S A G D D D K E E L V R V V V K R W F A G R V V V P T V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V P T V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V V L L T V V V P T V K L L T T S S S V E L D F D T P R T W V V V V K R W F A G R V V V K L T T S S S V E L D F D T P R T W V V V K R W F A G R V V V K L T T S S S V E L D F D T P R T W V V V K R W F A G R V V V L T T L T T T T T T T T T T T T T		SKEKIVRES SSEEMENRDIIKAQKGEDILIRILIGN <del>H</del> STEIV GEIJESDMNYERSE <mark>CI</mark> JEWIJQKYIJEYGKSSIJMKTVISPOVISIVI
JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P67  PE E LL S E LL S E VIS C E LA T S S A G D D D K E E L V R V V V K R W F A G R V V V P T V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V P T V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V V L L T V V V P T V K L L T T S S S V E L D F D T P R T W V V V V K R W F A G R V V V K L T T S S S V E L D F D T P R T W V V V K R W F A G R V V V K L T T S S S V E L D F D T P R T W V V V K R W F A G R V V V L T T L T T T T T T T T T T T T T	UniRef90_UPI00044350D1	NYVCTASNEAGSSSSSATVSI REPPSFVKKVDPSYLM
JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO038BFFA2  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P66  JAIRGERO UPIGO03C43P67  PE E LL S E LL S E VIS C E LA T S S A G D D D K E E L V R V V V K R W F A G R V V V P T V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V P T V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V V K L L T S S S V E L D F D T P R T W V V V K R W F A G R V V V L L T V V V P T V K L L T T S S S V E L D F D T P R T W V V V V K R W F A G R V V V K L T T S S S V E L D F D T P R T W V V V K R W F A G R V V V K L T T S S S V E L D F D T P R T W V V V K R W F A G R V V V L T T L T T T T T T T T T T T T T	UniRef90_UPI0003296F3B	QYTCVASN ITAGRUTTRKFNLITVNVAPVIKDGPQSVSV
Jiminergo   UP1000444150	UniRef90_UPI000440E070	TYT <mark>C</mark> VATNSVGQDSWTLTLSVHTH PAFTELLGDVAL
Jiminergo   UP1000444150	UniRef90_UPI00038BFFA2	QIT CEVT HE DLD E PLT MTINLS HVI L V VP TVKIT P P GIHD
Jimikergio UPI000044185CA T Y O IL EIL I R N ET EIL ET G O IVID WILT H K Y IL O Y G K ET IL O H A O P P Y R K H. V Jimikergio J600WR8 Jimikergio J600WR8 Jimikergio J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P P S I I I G T N P EN T V V JO S EL L V Jimikergio J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P P S I I I G T N P EN T V V JO S EL L V JIMIKERGIO J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P S I I I G T N P EN T V V JO S EL L V JIMIKERGIO J600WR8 RYVI CV JA E N V JA G S T K K Y F N L N V H VI P S I I I G T N P EN T V V JA R A O A K EV Y N H V JP V Y N N M LT K S A E P V J R L H S T P EL V J V J N L N J M A O A D E T A C S A Y L K V K J R P Q V J R L N J R P J C S S S EL J R N K Y G E T A C S A Y L K V K J K J K P Q V J R L N J N J R G S D E C R A V L T I V Q E S P S F V K K K P E P V D D V J J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G C L J X T N J Y T D T T T T T T T T T T T T T T T T T	UniRef90_W5LXN6	EYRCLVSHTDFPTPRTVVYKRSFAQKVVPSVFLLTSSSVE RYTCEATNVAGKTEKNVNVNINW
Jimikergio UPI000044185CA T Y O IL EIL I R N ET EIL ET G O IVID WILT H K Y IL O Y G K ET IL O H A O P P Y R K H. V Jimikergio J600WR8 Jimikergio J600WR8 Jimikergio J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P P S I I I G T N P EN T V V JO S EL L V Jimikergio J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P P S I I I G T N P EN T V V JO S EL L V JIMIKERGIO J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P S I I I G T N P EN T V V JO S EL L V JIMIKERGIO J600WR8 RYVI CV JA E N V JA G S T K K Y F N L N V H VI P S I I I G T N P EN T V V JA R A O A K EV Y N H V JP V Y N N M LT K S A E P V J R L H S T P EL V J V J N L N J M A O A D E T A C S A Y L K V K J R P Q V J R L N J R P J C S S S EL J R N K Y G E T A C S A Y L K V K J K J K P Q V J R L N J N J R G S D E C R A V L T I V Q E S P S F V K K K P E P V D D V J J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G C L J X T N J Y T D T T T T T T T T T T T T T T T T T	UniRef90_UPI00042AD16B	QUIT CEVITHED LOEPLK MILIOLIS QVLLVIPILKITTEPLE
Jimikergio UPI000044185CA T Y O IL EIL I R N ET EIL ET G O IVID WILT H K Y IL O Y G K ET IL O H A O P P Y R K H. V Jimikergio J600WR8 Jimikergio J600WR8 Jimikergio J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P P S I I I G T N P EN T V V JO S EL L V Jimikergio J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P P S I I I G T N P EN T V V JO S EL L V JIMIKERGIO J600WR8 RYVI CV JA E N VJA G S T K K Y F N L N V H VI P S I I I G T N P EN T V V JO S EL L V JIMIKERGIO J600WR8 RYVI CV JA E N V JA G S T K K Y F N L N V H VI P S I I I G T N P EN T V V JA R A O A K EV Y N H V JP V Y N N M LT K S A E P V J R L H S T P EL V J V J N L N J M A O A D E T A C S A Y L K V K J R P Q V J R L N J R P J C S S S EL J R N K Y G E T A C S A Y L K V K J K J K P Q V J R L N J N J R G S D E C R A V L T I V Q E S P S F V K K K P E P V D D V J J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G G C L J X T N J A G S D E C R A V L T T V Q E S P S F V K K K P E P V D D V J J R R G G G C L J X T N J Y T D T T T T T T T T T T T T T T T T T	UniRef90_UPI0003C439E6 UniRef90_UPI0002B46904	EYSCTASNE GGSTMASVFLTVQEPPKVVISPKNQTF RYQCSATNTAGKOVKFVR IIVHVPPSIKGGNMTTFVQV
Junkergo   How Code   Junkergo   How Code   Junkergo   How Code   Junkergo	UniRef90_B5XDM5	PEELGELERVCKHNAPIDYSALLDKTVEPHVRLS SVAPP
Jankergo J. San	UniRef90_UPI00044415CA UniRef90_H0WC62	IYQII ELLIKNELLELGUVD WL HKYLJQYGKETLQHADPPTRKH SYS <mark>C</mark> LASNSAGMDKQTSII LRYM EAPKLIMVVIQSFII V
Jinker90   JSZR05   Jinker90   JSZR05   Jinker90   JSKZE1   J	UniRef90_F6QWR8	RYVCVA ENVAGSTKKYFNLNVH
Jinker90 UP10004241PD Jinker90 UP10003199AC  WIND TRANSPORTED TO THE PROPERTY OF THE PROPERTY	UniRef90_G3N555 UniRef90_I3ZR05	DRIVI <mark>C RHNY FILIS THFILVI GROWK POWEL IS PIVIOSSS</mark>
Similar   Simi	UniRef90_L5KZE1	
Similar   Simi	UniRef90_K7G060	GYTCKATN VAGSDECRAVLITVQESPSFVKKPEPVDV
Similar   Simi	UniRef90_K7G060	GYTCKATN VAGSDECRAVLTVQESPSFVKKPEPVDV
Similar   Simi	UniRef90_UPI0003C427E2	EYM <mark>C</mark> IASNKYGETACSAYLKVKMEKPPEKKVSPHRPPAQC
JAIRGE90 UP1000344187B6 JAIRGE90 UP100044187B6 JAIRGE90 UP100044187B6 JAIRGE90 UP100044187B6 JAIRGE90 UP100033257AF JAIRGE90 UP100033257AF JAIRGE90 UP100042ABE26 JAIRGE90 UP100042ABE26 JAIRGE90 UP100042ABE26 JAIRGE90 UP100042ABE26 JAIRGE90 UP100042ABE26 JAIRGE90 UP100042ABE36 JAIRGE90 UP100042ABE36 JAIRGE90 UP100042ABE35 JAIRGE90 UP1000273C9B5 JAIRGE90 UP1000273C9B5 JAIRGE90 UP1000273C9B5 JAIRGE90 UP1000273C9B5 JAIRGE90 UP1000273C9B5 JAIRGE90 UP100038BEA20 JAIRGE90 UP100038BEA2	UniRef90_G6CLL7	NYT <mark>C</mark> VAENEAGQSSHSALL NVNVAPQIMPFDFGNEP
JAIRGE90 UP100034189786  JAIRGE90 UP100044189786  JAIRGE90 UP100044189786  JAIRGE90 UP100044189786  JAIRGE90 UP100044189786  JAIRGE90 UP10004248976  JAIRGE90 UP10004248086  JAIRGE90 UP10004248083  JAIRGE90 UP1000428087  JAIRGE90 UP1000428087  JAIRGE90 UP1000428087  JAIRGE90 UP1000428087  JAIRGE90 UP1000428088  JAIRGE90 UP1000428083  JAIRGE90 UP1000428087  SEY NO CEA & N N N A G Q AT S CT T R L FV V K E P A V K K K L S D H S V L P G S R D V V S N N A G Q AT S CT T R L FV V K E P A V K K K L S D H S V L P G S R S V J L V S N C G G S C S S S S T R V N L K L P P S F T K K L L E N A M T J J J J J J J J J J J J J J J J J J	UniRef90_P36335	EYF <mark>C</mark> VASNPIGVDMQAMYFEVQYAPKIRGPVVVYT
JURIGE90 JUP100042A98F6  JURIGE90 JUP100042A98F8  JURIGE90 JUP100042A9853  JURIGE90 JUP100044A9854  JURIGE90 JUP10004A9A8124  JURIGE90 JUP1004A9A8124  JURIGE90 JUP1004A9A8124  JURIGE90 JUP1004A9A8124  JURIGE90 JUP1004A9A8124  JURIGE90 JUP1004A9A8124  JURIGE90 JUP1004A9A8124  JURIGE90 JUP1004A9A8		RYT <mark>C</mark> VARNTAGSAHRH VTLHVQDPPVIQPQPSELDV ALANMAVMKANIDIIMIKRSNNTPNTNVPPFVTI PNKPV
JURIGE90 JUP100042A98F6  JURIGE90 JUP100042A98F8  JURIGE90 JUP100042A9853  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100045A8124  JURIGE90 JUP10044  JURIGE90 JUP10044A8124  JURIGE90 JUP1044A8  JURIGE90 JUP1044A8  JURIGE90 JUP1044A8  JURIGE90 JUP1044A8  JURIG	UniRef90_UPI0004418FB6	EYTCIVSNEAGKASCTTHLYVKAPAKKKLNDYSLEKGKPL
JURIGE90 JUP100042A98F6  JURIGE90 JUP100042A98F8  JURIGE90 JUP100042A9853  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100044A9854  JURIGE90 JUP100045A8124  JURIGE90 JUP10044  JURIGE90 JUP10044A8124  JURIGE90 JUP1044A8  JURIGE90 JUP1044A8  JURIGE90 JUP1044A8  JURIGE90 JUP1044A8  JURIG	UniRef90_UPI0003332FAF	ILY K C V A I N S A G A T E L L L Y S L Q V H V P P S I S G S N T M V A V
JniRef90	UniRef90_J9UXZ7	YSCTVQHQPTSSGISKEIPKSIPIEPHAPKVEVLY SCNT
JniRef90	UniRef90_UPI00042A98F6	NFTCRATNSVGSKDSSGAL IVQEPPSFVIKPGSRDV
JniRef90_UP100042AB353 JniRef90_UP100042AB353 JniRef90_UP100042AB353 JniRef90_UP100042AB353 JniRef90_UP1000273C9B5 LPYCVVSNNAGOTSCTTRLFVKEPAVIKKLISDTSTJ JniRef90_UP1000273C9B5 LPYCVVSNNAGOTSCTTRLFVKEPAVIKKLISDTSTV JniRef90_UP1000273C9B5 LPYCVVSNNAGOTSCTTRLFVKEPAVIKKLISDTSV LPRFVKKLISDTSTV LPRFVKEPAVIKKLISDTSTV LPRFVKEPAVIKKLISDTSTV LPRFVKKLISDTSTV LPRFVKEPAVIKKLISDTSTV LPRFVKEPAVIKKLISDTSTV LPRFVKKLISDTSTV LPRFVKEPAVIKKLISDTSTV LPRFVKKLISDTSTV LPRFVKEPAVIKKLISDTSTV LPRFVKKLISDTSTV LPRFVKKKLISDTSTV LPRFVKKLISDTSTV LPRFVKKKLISDTSTV LEPPAVIKKLISDTSTV LEPPAVIKKLISDTSTV LEPPAVIKKLISDTSTV LEPPAVIKKLISDTSTV LEPPAVIKKLISDTSTV LEPPAVIKKLISDTSTV LEPPAVIKKLISDTSTV LPRFVKKLISDTSTV LEPPAVIKKLISDTSTV LEPPAVIKKLISD	UniRef90_UPI0004571B6E	RYTCEATNVAGKTEKNYNLNLW VPPSIIRGSDELSQLITV
Jnire90	UniRef90_O01761-6	EYR <mark>C</mark> EAENEYGSAWTEGPIIVDFLQPVKPAVVTVGETAVL
JNIRE190 G3WA48  JNIRE190 G3WA48  JNIRE190 G3WA48  JNIRE190 JP1000442289F  JNIRE190 JP1000338EA20  JNIRE190 JP100038BEA20  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP10003BEA20  JNIRE120 JP10 JP10 JP10 JP10 JP10 JP10 JP10 JP1		EYH <mark>CKATNEV</mark> GSDT <mark>CVC</mark> TLKF <u>KEPPRFVKKL</u> SDTST EYTCVVSNNAGQTSCTTRLFVKEPAVKKLSDHSVEPGKSV
JNIRE190 G3WA48  JNIRE190 G3WA48  JNIRE190 G3WA48  JNIRE190 JP1000442289F  JNIRE190 JP1000338EA20  JNIRE190 JP100038BEA20  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP10003BEA20  JNIRE120 JP10 JP10 JP10 JP10 JP10 JP10 JP10 JP1	UniRef90_UPI00042AB353	EYTCVVSNNAGQTSCTTRLFVKEPAVKKLSDHSVEPGKSV
JNIRE190 G3WA48  JNIRE190 G3WA48  JNIRE190 G3WA48  JNIRE190 JP1000442289F  JNIRE190 JP1000338EA20  JNIRE190 JP100038BEA20  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100045B124  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP100035BEA20  JNIRE190 JP10003BEA20  JNIRE120 JP10 JP10 JP10 JP10 JP10 JP10 JP10 JP1	UniRef90_UPI000273C9B5	EYQ <mark>C</mark> IVSNEGGSCSSSTRVNL KEPPSFTKKIENAMT
JniRef90	UniRef90_T1JD52	KYT <mark>CTVVNDKGQSAQEH</mark> VEMAVMVPPKITPFSFQDEL
JniRef90	UniRef90_F2VRK3	SYLAQARGEKERY <mark>C</mark> ENHVEAFYPHKSAEPYVRLHSVTPS
JniRef90	UniRef90_UPI0004422B9F UniRef90_UPI00038BEA20	EYSUKASNQYGS <u>VISSKATILITIVITEAFP</u> PTFVITRPESLITT RYS <mark>C</mark> EITENEAGRDVI <mark>C</mark> FAITVI STITFPPYFIVITFITFPILIFA
JniRef90	UniRef90_UPI00038BEA20	RYSCELENEAGRDVCEALV STLEPPYEVITELEPLEA
JniRef90	UniRef90_K7FAM8 UniRef90_I6N586	I W I Q Y IV Q F F M K D D O L Q I L K S L V Q L K Q W S P V L P E V S V S L R D E A L Y Q Q A F G F C Q N N I G I ME S E V L S R K V E P T V I T N R P K A S P
JniRef90_UP10002BCFEC4 JniRef90_UP10002BCFEC4 JniRef90_UP10002BCFEC4 JniRef90_UP10002BCFEC4 JniRef90_UP1000454B124 JniRef90_UP1000454B124 JniRef90_UP1000454B124 JniRef90_UP100022F7285 JniRef90_UP100022F7285 JniRef90_A0A034WJV1 JniRef90_A0A034WJV1 JniRef90_H2SLF1 RYQCSVMNNTAGKESKDFTLSVHF APEIVKIRVEPEV JniRef90_G3UK67 JniRef90_G3UK67 JniRef90_G3UK67 JniRef90_UP10003BCABF6 JniRef90_UP10003BCABF6 JniRef90_UP10003BCABF6 JniRef90_UP10003BCABF6 JniRef90_UP10003BCABF6 JniRef90_UP10003BCABF6 JniRef90_UP10003BCABF6 JniRef90_D2ISA7 RYTCIAVN VAGQADSKHDISVHVPPSITGQVQFPNVSV JniRef90_T1J767 JniRef90_T1J767 JniRef90_F1J767 JniRef90_B0W2H5 JniRef90_B0W2H5 JniRef90_B0W2H5 JniRef90_O1000350A390 JniRef90_O10000350A390 JNI	UniRef90_UPI0003AFDF12	
JniRef90	UniRef90_UPI0002BCFEC4	VYSCKASNKFGADTCQAELVIID KPHFIKELEPVQS
JniRef90	UniRef90_UPI0002BCFEC4	VYSCKASNKFGADTCQAELVIID KPHFIKELEPVQS
JniRef90	UniRef90_UPI000454B124	EYVÇEA SNDSGKATTSATLTVGERVAPVIKRRLEPLEV
JniRef90	UniRef90_UPI00022F7285 UniRef90_Q7SZQ3	KYILCQVKNDGGMRENMATLITVL EPAVI VEKASMTV PYTCFASNSVGAPKTASI APPAPPPDI RATVEI ITAPTKME
JniRef90	UniRef90_A0A034WJV1	QYRCEASNSATELPLFESTILISVHF APELVKLRVEPEV
JniRef90	UniRef90_H2SLF1 UniRef90_F6Z3K9	KYQUSVMNIAGKESKDFTLSVH VPPSIKGGNTSTDV VYTCTVIYSPDRDTKD I MIKVOSIPTVEIT FR
JniRef90	UniRef90_M3WG03	TYTCKVSNOAGSOECSANDEVENERESSOED
JRIREF90_D5ISA7	UniRef90_UPI0003BCABF6	LATMRAQKGTYCKPNIDVRYHNLMSKSAPPTVKLHSTTPL
JniRef90_F1PV45 DYSCLVINEAGSASCIAHLFV KEPAIFVKRLADFS JniRef90_B0W2H5 RYRCEAHNSATELPLFETKTLSVHFAPE TVKLTLDPPEL JniRef90_UP1000350A390 LYTCVATNLAGSDETELTLHVQEPPTMEPEPPFNTPFQER JniRef90_G3QYH8 DYTCLA TNMAGSDECSAPLTVREPPSFVQKPDPMDV	UniRef90_I3JUM9	RYTCIAVN VAGQADSKHDISVHVPPSITGQVQFPNVSV
JniRef90_F1PV45 DYSCLVINEAGSASCIAHLFV KEPAIFVKRLADFS JniRef90_B0W2H5 RYRCEAHNSATELPLFETKTLSVHFAPE TVKLTLDPPEL JniRef90_UP1000350A390 LYTCVATNLAGSDETELTLHVQEPPTMEPEPPFNTPFQER JniRef90_G3QYH8 DYTCLA TNMAGSDECSAPLTVREPPSFVQKPDPMDV	UniRef90_D2I5A7 UniRef90_D5MSB4	TEAAYQKTYLENECLEWVKKYVGYGKDTLERKVSPQVSLL
JNIRET90 G3QYH8 DYICIIA INMAGSDECSAPILII VIREPPSFIVIQKPDPMDIV	UniRef90_T1J767	NYTCQARNAAATIAYSAVL NVNVPPKIIPFAFVDDQ
JNIRET90 G3QYH8 DYICIIA INMAGSDECSAPILII VIREPPSFIVIQKPDPMDIV	UniRef90_B0W2H5	RYRCEAHNSATELPLFETKTLSVHFAPE TVKLTLDPPEL
JniRef90 UPI00045D78B5 SYECOATQAGLRSRPAR LHMLVPPEAPQVLGGPSVSL	UniRef90_UPI000350A390	LYTCVATNLAGSDETELTLHVQEPPTMEPEPPFNTPFQER
	UniRef90_G3QYH8 UniRef90_UPI00045D78B5	SYECQATQAGLRSRPAR LHMLVPPEAPQVLGGPSVSL

	130140150160
UniRef90_UPI0003840FD3 UniRef90_M3YHL1	ALNHHNLLVCSVTDFYPGQ   KVRWFRNDQEETGVVSTP LI TPGETQTLKCRADGFYPRE   ELHWIHGGDTQETESGGDVL
UniRef90_W5M0S1 UniRef90_Q5XG38	VVKNPVALTCEASGIPLPAIIT WLKDGIPISLSNSVRVL EPGMEKTVVCKADEFHPKDITFHWLKHLLQEDGVSYTHPK
UniRef90_D9I8P3	ELEEQVTLTCEASGDPTPSI TWRTSTRNISSEEKTLDG KAGEKLRLECEVTNGNPPPEVFWYRNDKIIDRTYVTHSTS SSQHPAMLVCSVYDFFPSEIRVSWLRDGKELTSDVTTEEM
UniRef90_E5SD76 UniRef90_G8GTQ7	SSQHPAML VCSVYDFFPSEIRVSWLRDGKELTSDVTTEEM
UniRef90_UPI00029D9C21 UniRef90_G3QH37	AVDKPLITLISCEADGLPPPDLITWHKDGRALVESLRORV
UniRef90_Q96RW7	T G G S E V S I M C S A T G Y P K P K I A WT V N D M F I V G S H R Y R T S N K N V T L K C WALLGEY P A G I T L T W Q R D G N L T E N M E L V D T R
UniRef90_UPI0003346F52 UniRef90_J7FSN2	S PIVIT C H A T G F Y P S GIVIT II IS WMK N G Q D H H F DIVIF G F II V I
UniRef90_UPI00033447F9 UniRef90_O46879	VKYKPTTLQCIANGIPNPSI TWLKDGQPVNTAQ PLQHHTLLVCSVSGFYPGSIEVRWFRNGQEEKGVVSTGLI
UniRef90_Q6BCB6 UniRef90_UPI0003596C0A	PDGPTTLSCQAHGFYPRAIITLNWLKNRKTRDQEMRGGPV IKGSFIDLECIVAGS HPISIQWFKDDQEISASDKYKFS
UniRef90_UPI0003596C0A	IKGSFIDLECIVAGS HPISIQWFKDDQEISASDKYKFS EASGHFPVVCHSW
UniRef90_UPI00044487BC UniRef90_Q1LUU2	QKYYFSPVV <mark>CHATGFYPSGIKISWQKNGQDH</mark> EDVELGELL
UniRef90_UPI00044350D1 UniRef90_UPI00046B4799	LPGESARLHCKLKGSP VIQVTWFKNNKELSESNTVRMS QEGEKVTFLCQA
UniRef90_UPI0003296F3B UniRef90_UPI000440E070	HVNKPAVLE <mark>CVV</mark> SGVP PPQVTWRKHGAIL AG N <u>MG</u> ER <u>LL</u> LA <mark>C</mark> GATGLP <u>T</u> PKLT <u>W</u> AF <u>N</u> NNLIPAF <u>Y</u> DHVNG
UniRef90_W5LCY5 UniRef90_UPI00038BFFA2	
UniRef90_W5LXN6	NTKDEVTLTCFVKDFSPKDLYLSWLAQDSVVDKVDYT
UniRef90_UPI00045DCC64 UniRef90_UPI00042AD16B	HAHQRVTLTCHVNHFYPPIRQLTWTKNNNKMLTVEHLQNT NTKDEVTLTCFVKDFSPKDIYISWLAQDSVVDKVDYT TVIEGNLISLLCESSGIPPPNLIWKKKGSPVLADSVGRVR RDHRHVNLTCHVNHFYPQNVQLTWAKNGHNILTPELSRAT TEGSEVSIMCSATGYPKPKIVWTH
UniRef90_UPI0003C439E6 UniRef90_UPI0002B46904	TINNIIINII ECEAKGII PIVIPIIII WYKDGO KIVISSPOAII
UniRef90_B5XDM5 UniRef90_UPI00044415CA	<u>S</u> GRHPAMLM <mark>C</mark> SA <u>Y</u> DFFPKPIIRV <u>T</u> WLRDGRE <u>K</u> SD <u>V</u> TSTEEL
UniRef90_H0WC62	LSDHEATLKCWALGFYPAELTLIWQHDWQDLTQEMEFETRALGDTTVMECKTSGVPPPQVKWFKGDLELRPSTFLIINVVNNFISLACEATGFPPDLSWLKNGKSINLSNNVLIVPGGGPLSMVCSVYDFYPKKIIVRWTRDGRPETTGVTSTDELPQIDRLYCAVMDFYPAEIEVKWFKNGQEETERVSTDVIAVDKPITLPCEADGHPPPDITWHRDGQAITESVRQRIL
UniRef90_F6QWR8 UniRef90_G3N555	PGGGPLSMVCSVYDFYPKKI LVRWTRDGRPETTGVTSTDE
UniRef90_I3ZR05 UniRef90_L5KZE1	L P Q     D R L V C A V M D F Y P A E   E V K W F K N G Q E E T E R V S T D V I A V D K P I T L P C E A D G H P P P D I T W H R D G Q A I T E S V R Q R I L
UniRef90_U6PBG4 UniRef90_K7G060	ELIGQKKEFEVKLRGFP KPTLEWLLNEERMRFDERVTVE
UniRef90_K7G060	L P G T S V A F T S V I R G T P P F K V  N W F R G V N E L V P G Y  N W F R
UniRef90_UPI0003C427E2 UniRef90_UPI0003C427E2	A Q G L P V V F E Y A V L G E P G P E V Q W F K G D Q Q I N S N D Y Y T V V A Q G L P V V F E Y A V L G E P G P E V Q W F K G D Q Q I N S N D Y Y T V V V N D Q E M V V V I C T V S K G D L P L N I E W Y F D G K P L K S N V N G V L L
UniRef90_G6CLL7 UniRef90_I6XCL9	IVIN D Q E MIV V V I I <mark>C</mark> I IVIS K G DIL IPIL INII IE W Y F D G K PIL IK S NIVIN GIV L L I
UniRef90_P36335	WEGNPVNITCDV LAHPSAAVSWFRDGQLLPSSNFSNIK
UniRef90_UPI0003C189AC	ILNNPLLLPCEATGTPSPFITWQKEGI SVIT ELGEPNTLICFIDKFSPPVISVTWLRNGKPVTDVSQTVFL
UniRef90_UPI0004418FB6 UniRef90_UPI0004418FB6	ELGEPNTLICFIDKFSPPVISVTWLRNGKPVTDVSQTVFLILEGTYTGT LPISVTWKKNGTNI TPSQILEGTYTGT LPISVTWKKNGTNI TPSQ
UniRef90_UPI0003332FAF UniRef90_J9UXZ7	V VN NIL V RIL ECE A R GILPAPS LI I WL K D G S PV S S F A S GILQV N H K D S V OIL V CL L S G E Y P E PIL V V E WL M D GILE W K R G D T T P A T
UniRef90_UPI00042ABE26 UniRef90_UPI00042A98F6	VLGSSIHMECKVSGS LPISAQWFKDGKEISTSAKYRLV LPGSAVCLKSTFQGSTPLTI RWSKGDRELVSGGSCY
UniRef90_UPI0004571B6E	LIEGSILLISILLI <mark>C</mark> E SSAILI <mark>PPPNII MWKKDGILISILLITDTGGRIVIR</mark>
UniRef90_UPI00042AA063 UniRef90_O01761-6	NPSTRVQLKALVGGTA PMTIKWFKDNKELHPGAARSVW EGKI _ SGKPKPSVKWYKNGEELKPSDRVKIE
UniRef90_G3WA49 UniRef90_UPI00042AB353	SGKPKPSVKWYKNGEELKPSDRVKIE  LVGDPVQLQALVEGF QPLSVVWLKDKGEIIRESENVSI  LEGTYTGT LPISVTWKKDG VSITPSE  VLKSSALFQGTVAGSP PISVVWLKDDQIIDEDDNTNIS  VLKSSALFQGTVAGSP PISVVWLKDDQIIDEDDNTNIS
UniRef90 UPI00042AB353	I L E G T Y T G T L P I S V T W K K D G V S I T P S E V L K S S A L F Q G T V A G S P P I S V V W L K D D Q I I D E D D N T N I S
UniRef90_UPI000273C9B5	V L K S S A L F Q G T V A G S P P I S V V W L K D D Q L I D E D D N T N I S
UniRef90_G3WA48	V V G E S A D F E C H V T G T Q P I K V T W A K D N K E I R S G N Y Q I S
UniRef90_F2VRK3 UniRef90_UPI0004422B9F	GGKHSAM <u>L VICSVIFDFYPKKII IKIVISWLIRDGKEIVITSDIVI</u> TST <u>DE</u> FVGKSAR <u>FPC</u> TVAGTP VIDII VIWQKDGIVIPII ISSTEHYRI LI
UniRef90_UPI00038BEA20 UniRef90_UPI00038BEA20	SVGDSASLQCQVAGTP EITVSWFKGDTKLRSTPEYRTY
UniRef90_K7FAM8	APHGPVTLSCRASGFHPRPIHLSWRDGGDVLAETSSSGIL
UniRef90_UPI0003AFDF12	LT LYCDVESFYPEEVSMSWYQNGTTLPDLPVTE
UniRef90_G3HAC6 UniRef90_UPI0002BCFEC4	<u>L   K E Y D   V   M   L   A E   V   A G T P P F E     T W F K D N T T   L   R S G R K Y K T F   I   Q A V   N K K V   R   L   E C Q A D                                </u>
UniRef90_UPI0002BCFEC4 UniRef90_UPI000454B124	V
UniRef90_UPI000454B124	ALIGHLIAKFTCEIIQGAP NIVRFQWFKAGREIIY ESDKC
UniRef90_UPI00022F7285 UniRef90_Q7SZQ3	TVGETCTLECKVAGTP ELSVEWYKDGKL LTSSQ LEGGSATFMCLARRESPKQYEFKWYQNDQEVTNAVDNEFK
UniRef90_A0A034WJV1 UniRef90_H2SLF1	<u>L K P G M E V A II I I C D S S S S N P P A K L T WWK D G II P II D G II N N S S K P T A L L D T V V T L E C E G R G V P P P T V T WY R N G Q A II L IS N P Q T Q Y V</u>
LINID OF OUT TO TOWN	LEGGSATFMCLARRFSPKQYEFKWYQNDQEVTNAVDNFFK LKPGMEVAI I CDSSSSNPPAKLTWWKDGIPI DGINNSSKP TALLDTVVTLECEGRGVPPPTVTWYRNGQAILSNPQTQYV VTNEQSMI VCSVSRFYPKNITVTI I QEGKDV I SSTLSSYQ KKGDATQLACKVTGTP PI KI TWFANDREI K ESSKHK TSGDTCTLECI VTGTP ELSTKWFKDGKELMSDSKYKIS
UniRef90_G3UK67	TSGDTCTLECTVTGTP ELSTKWFKDGKELMSDSKYKUS
UniRef90_I3JUM9	KKGDATQLACKVTGTP PIKITWFANDREIK ESSKHK TSGDTCTLECIVTGTP ELSTKWFKDGKELMSDSKYKIS SSHHPAMLVCSVYDFFPSKIKVSWHRDGQEVTSDVTTEEM VMRNPVALICEASGIPLPTIS WLKDGQPIK TTSSAR TVLRNRQVTLECKSDAVPPVIIS WLKDGQPIK TTSSAR
UniRef90_D2I5A7 UniRef90_D5MSB4	I <u>  V                                  </u>
UniRef90_T1J767 UniRef90_F1PV45	QKDPSSPVSCHATGFFPSGVKISWQKNGQDHDEDVDGELLFYKGMRAHITCAVSQGDPPLNFRWLKDDRPIISSSTDVLTVETG SPIVLEATYSGTPPISVSWMKNESPLSQSQNCSITKPGLEATLICDS SSSNPPAVISWWRDGIAVQGINNSSKALATQRVAFPCPARGTPKPTIK WLHNGRELT GREPGLSLTGTVKPTIK WLHNGRELT GREPGLSLTGTVKPTIK WLHNGRELT GREPGLSLTGTVKPTIK WLHNGRELT GREPGLS
UniRef90_B0W2H5	KP GLEATLICOS SSSNPPAVIS WWR DGLAVQGLNNSSKA
UniRef90_UPI000350A390 UniRef90_G3QYH8	LAIQKVAFP <mark>CPARGTPKPTIIK WLJH</mark> NGRELT GREPGLS LTG <u>T</u> NVT <u>F</u> T <u>SIVK</u> GTPPFSV SWFKGSSELVPGD
UniRef90_UPI00045D78B5	I A GVPVNLT CRNCGDARPTPELLWFRDGLRLDELTFHQTL

```
UniRef90_UPI0003840FD3
UniRef90_M3YHL1
UniRef90_W5M0S1
UniRef90_Q5XG38
UniRef90_D918P3
UniRef90_E5SD76
UniRef90_UPI00029D9C21
UniRef90_UPI00029D9C21
UniRef90_UPI00029D9C21
UniRef90_UPI0003346F52
UniRef90_UPI00033447F9
UniRef90_UPI00033447F9
UniRef90_UPI0003596C0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                190
CHVEHPSLQSPIT
CRVKHSSLAQPLT
CVVSNAAGEE
CNVSHRSMETDL
CTASN
CHASNPAVVTPLT
CKVEHASLEKPLI
CVATNAAGES
TCMAANVAGSSSTS
CLASNSA
CHVQHEGLPEPRV
CVATNAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KRVDLYTCRVEHVSLLEGSDSGTYACSATNKAGHSGSDSGTYACSATNKAGHS
 UniRef90_UPI00044487BC
UniRef90_Q1LUU2
                                                                                                                                                                                                              PNADGTFQKRSTLNVKPEEWKN SK
FANSE AVLDLTDVKVEDSGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FSCVVEHQ
YSCEALND
 UniRef90_UPI00044350D1
UniRef90_UPI00046B4799
UniRef90_UP100046B4799
UniRef90_UP10003296F3B
UniRef90_UP10003296F3B
UniRef90_UP1000440E070
UniRef90_W5LCY5
UniRef90_UP100038BFFA2
UniRef90_UP100045DCC64
UniRef90_UP100042AD16B
UniRef90_UP10003C439E6
UniRef90_UP10003C439E6
UniRef90_UP10002B46904
UniRef90_UP10002B46904
UniRef90_UP100044415CA
UniRef90_UP100044415CA
UniRef90_H0WC62
UniRef90_H0WC62
UniRef90_G3N555
UniRef90_G3N555
UniRef90_I3ZR05
UniRef90_L5KZE1
UniRef90_U6PBG4
UniRef90_U6PBG4
UniRef90_K7G060
                                                                                                                                                                                                              N N P R Y T F A E D G S L R I N S T Q V T D T G R Y L C M A T N Q A G T H S E L V I E H V S K D D A G T Y S C V A E N S N G R Y L Q L N N A E L G D A A R Y T C M A S N V A G E R N S D G T Y S L K H T L Q E D A M S D E S T F S C W V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NQAGTQRVD
                                                                                                                                                                                                 | L | S | G | R | R | S | Q | V | S | E | A | L | V | E | P | P | A | V | A | A | C | V | E | P | A | A | A | C | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | A | C | 
                                                                                                                                                                                                             LSGGR
RNSDGTYSLKHSLQV EALLDESLFRCLVEHP
UniRef90_U6PBG4
UniRef90_K7G060
UniRef90_K7G060
UniRef90_UPI0003C427E2
UniRef90_UPI0003C427E2
UniRef90_G6CLL7
UniRef90_I6XCL9
UniRef90_P36335
UniRef90_UPI00044441FD
UniRef90_UPI0003C189AC
UniRef90_UPI00044441FD
UniRef90_UPI0003C189AC
UniRef90_UPI0004418FB6
UniRef90_UPI0004418FB6
UniRef90_UPI0003332FAF
UniRef90_UPI00042ABE26
 UniRef90_UPI00042A98F6
UniRef90_UPI0004571B6E
UniRef90_UPI00042A98F6
UniRef90_UPI0004571B6E
UniRef90_UPI00042AA063
UniRef90_UPI00042AA063
UniRef90_UPI00042AB353
UniRef90_UPI00042AB353
UniRef90_UPI000273C9B5
UniRef90_UPI000273C9B5
UniRef90_T1JD52
UniRef90_T2VRK3
UniRef90_UPI0003A8EA20
UniRef90_UPI00038BEA20
UniRef90_UPI00038BEA20
UniRef90_UPI0003AFDF12
UniRef90_UPI0003AFDF12
UniRef90_UPI0003AFDF12
UniRef90_UPI0002BCFEC4
UniRef90_UPI000454B124
UniRef90_UPI0002BCFEC4
UniRef90_UPI000454B124
UniRef90_UPI00045AB124
UniRef90_F6Z3K9
UniRef90_M3WG03
UniRef90_G3UK67
UniRef90_UP10003BCABF6
 UniRef90_I3JUM9
UniRef90_D2I5A7
 UniRef90_D5MSB4
UniRef90_T1J767
UniRef90_F1PV45
 UniRef90_B0W2H5
UniRef90_UPI000350A390
UniRef90_G3QYH8
```

UniRef90\_UPI00045D78B5

UniRef90	_UPI0003840FD3	
UniRef90		
UniRef90	W5M0S1	RKNFDL
UniRef90	_Q5XG38	
UniRef90	D9I8P3	
UniRef90	_E5SD76	
	_G8GTQ7	
UniRef90	_UPI00029D9C21	QQHIQL TK
UniRef90	_G3QH37	ΤK
UniRef90		<del></del> _
UniRef90	_UPI0003346F52	<u>L</u> R
UniRef90	_J7FSN2	
UniRef90		
UniRef90	_046879	
UniRef90	_Q6BCB6	
UniRef90		
UniRef90 UniRef90	_UPI0003596C0A	
UniDofOO	_UPI00044487BC _Q1LUU2	
UniDofOO	_UPI00044350D1	
UniRef90	UPI00044330D1	
UniRef90	_UPI0003296F3B	LQSINLT
UniRef90		
UniRef90	W5LCY5	RRHFNLS
UniRef90	UPI00038BFFA2	
UniRef90		
UniRef90	UPI00045DCC64	
UniRef90	_UPI00042AD16B	
UniRef90	UPI0003C439E6	
UniRef90	_UPI0002B46904	
UniRef90	_B5XDM5	_
UniRef90	_UPI00044415CA	L R
UniRef90	_H0WC62	
UniRef90		KKKIISLIT
UniRef90	_G3N555	
UniRef90	_I3ZR05	
UniRef90		ΤK
UniRef90	_U6PBG4	
UniRef90	_K7G060	
UniRef90		
UniRef90	_UPI0003C427E2	
UniRef90	_UPI0003C427E2	
UniRef90		
UniRef90 UniRef90	_I6XCL9 _P36335	Q
	F 30333	
UniPef00	I I I I I I I I I I I I I I I I I I I	<b>Q</b>
UniRef90	_UPI00044441FD	
UniRef90 UniRef90	_UPI00044441FD UPI0003C189AC	K
UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6	
UniRef90 UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0004418FB6	К
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF	
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7	К
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042ABE26 _UPI00042A98F6	К
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042ABE26 _UPI00042A98F6	К
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042ABE26 _UPI00042A98F6	К
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042ABE26 _UPI00042A98F6 _UPI0004571B6E _UPI00042A063 _UPI00042A063	К
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042ABE26 _UPI00042A98F6 _UPI0004571B6E _UPI00042A063 _O01761-6 _G3WA49	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 UPI00042ABE26 _UPI00042A98F6 _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042A9BE26 _UPI00042A98F6 _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353	К
UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042A98F6 _UPI00042A98F6 _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 UPI00042ABE26 _UPI00042A98F6 _UPI0004571B6E _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 UPI000273C9B5	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 UPI00042ABE26 _UPI00042A98F6 _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _UPI005273C9B5	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042ABE26 _UPI00042A98F6 _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI00042AB353	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042A98F6 _UPI0004571B6E _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _T1JD52 _G3WA48 F2VRK3	К
UniRef90	_UPI00044441FD _UPI0003C189AC _UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042A98F6 _UPI0004571B6E _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _T1JD52 _G3WA48 _F2VRK3 _UPI000442B9F	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 UPI00042ABE26 _UPI00042A98F6 _UPI00042AA063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _T1JD52 _G3WA48 _E2VRK3 _UPI0004422B9F _UPI0004422B9F _UPI00038BEA20	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI00042ABE26 _UPI00042ABE26 _UPI00042A98F6 _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _UPI000442AB353 _UPI00044422B9F _UPI00044422B9F _UPI000038BEA20 _UPI00038BEA20	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 _UPI00042ABE26 _UPI0004571B6E _UPI0004571B6E _UPI00042AA063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI0004422B9F _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20	К
UniRef90	UPI00044441FD UPI0003C189AC UPI00034418FB6 UPI0004418FB6 UPI0004218FB6 UPI00042ABE26 UPI00042ABE26 UPI00042AA063 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 T1JD52 G3WA48 F2VRK3 UPI0004422B9F UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003AFDF12	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI00042ABE26 _UPI00042ABE26 _UPI00042A98F6 _UPI00042AA063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00042AB353 _UPI00043C9B5 _UPI0003ABEA20 _UPI0003ABEA20 _UPI0003AFDF12 _UPI0003AFDF12 _UPI0003AFDF12	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0004418FB6 _UPI0004418FB6 _UPI00042ABE26 _UPI00042ABE26 _UPI00042A98F6 _UPI00042AA063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI0003BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI0003AFDF12 _G3HAC6 _UPI0002BCFEC4	К
UniRef90	UPI00044441FD UPI0003C189AC UPI0004418FB6 UPI0004418FB6 UPI0003332FAF J9UXZ7 UPI00042ABE26 UPI0004571B6E UPI0004571B6E UPI00042AA063 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 T1JD52 G3WA48 F2VRK3 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003AFDF12 G3HAC6 UPI0002BCFEC4 UPI0002BCFEC4	К
UniRef90	UPI00044441FD UPI0003C189AC UPI00034418FB6 UPI0004418FB6 UPI0003332FAF J9UXZ7 UPI00042ABE26 UPI00042A98F6 UPI00042A063 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 T1JD52 G3WA48 F2VRK3 UPI000273C9B5 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003AFDF12 G3HAC6 UPI0002BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4	К
UniRef90	UPI00044441FD UPI0003C189AC UPI0004418FB6 UPI0004418FB6 UPI0004418FB6 UPI00042ABE26 UPI00042ABE26 UPI00042AB66 UPI00042AB66 UPI00042AB66 UPI00042AB63 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 T1JD52 G3WA48 F2VRK3 UPI0004422B9F UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003AFDF12 G3HAC6 UPI0003BCFEC4 UPI0002BCFEC4 UPI000454B124	К
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0003418FB6 _UPI0004418FB6 _UPI0004418FB6 _UPI00042ABE26 _UPI00042ABE26 _UPI00042AB63 _UPI00042AA063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI000273C9B5 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI00038BEA20 _UPI0003BF12 _G3HAC6 _UPI0002BCFEC4 _UPI0002BCFEC4 _UPI000454B124 _UPI000454B124 _UPI0004578B124	К
UniRef90	UPI00044441FD UPI0003C189AC UPI0004418FB6 UPI0004418FB6 UPI0004418FB6 UPI0003332FAF J9UXZ7 UPI00042ABE26 UPI00042A98F6 UPI00042AA063 O01761-6 G3WA49 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI0003AFDF12 G3WA48 F2VRK3 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI000454B124 UPI000455B124	К
UniRef90	UPI00044441FD UPI0003C189AC UPI0004418FB6 UPI0004418FB6 UPI0004418FB6 UPI0003332FAF J9UXZ7 UPI00042ABE26 UPI0004571B6E UPI0004571B6E UPI00042AB53 UPI00042AB353 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI00038BEA20 UPI0003BEA20 UPI0003AFDF12 G3WA48 I6N586 UPI0003AFDF12 G3HAC6 UPI0002BCFEC4 UPI0002BCFEC4 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B353 A0A034WJV1	K QRD DL
UniRef90	UPI00044441FD UPI0003C189AC UPI0004418FB6 UPI0004418FB6 UPI0004418FB6 UPI00042ABE26 UPI00042ABE26 UPI00042AB66 UPI00042AB66 UPI00042AB66 UPI00042AB63 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 T1JD52 G3WA48 F2VRK3 UPI0004422B9F UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003AFDF12 G3HAC6 UPI0002BCFEC4 UPI0002BCFEC4 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI0002F7285 Q7SZQ3 A0A034WJV1 H2SLF1	K QRD DL
UniRef90	UPI00044441FD UPI0003C189AC UPI0003418FB6 UPI0004418FB6 UPI0004418FB6 UPI00042ABE26 UPI00042ABE26 UPI00042AB63 UPI00042AB63 UPI00042AB63 UPI00042AB353 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI000454B124	K QRD DL
UniRef90	UPI00044441FD UPI0003C189AC UPI0003418FB6 UPI0004418FB6 UPI0004418FB6 UPI00042ABE26 UPI00042ABE26 UPI00042AB63 UPI00042AB63 UPI00042AB63 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003BCFC4 UPI0002BCFC4 UPI0002BCFC4 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI0002EFC4 UPI0002EFC4 UPI0002EFC4 UPI0002EFC4 UPI0002EFC4 UPI0002EFC4 UPI0002EFC4 UPI000454B124	K QRD DL
UniRef90	UPI00044441FD UPI0003C189AC UPI0004418FB6 UPI0004418FB6 UPI0004418FB6 UPI000427 UPI00042ABE26 UPI00042ABE26 UPI00042AB63 UPI00042AB63 UPI00042AB353 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI0003AFDF12 G3WA48 F2VRK3 UPI0003BEA20 UPI0003BEA20 UPI0003BFA20 UPI0003BFA20 UPI0003BFA20 UPI0003BFA20 UPI0003BFA20 UPI0003BFA20 UPI0003BFA20 UPI0002BCFEC4 UPI000454B124	K QRD DL
UniRef90	UPI00044441FD UPI0003C189AC UPI0003418FB6 UPI0004418FB6 UPI0004418FB6 UPI00042ABE26 UPI00042ABE26 UPI00042ABE26 UPI00042AB63 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003AFDF12 G3HAC6 UPI0003BCFEC4 UPI0002BCFEC4 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI0003BCABF6	K QRDDL EKTFEL K
UniRef90	UPI00044441FD UPI0003C189AC UPI0003418FB6 UPI0004418FB6 UPI0004418FB6 UPI00042ABE26 UPI00042ABE26 UPI00042ABE26 UPI00042AA063 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003BCFEC4 UPI000454B124 UPI00025FC4 UPI00025FC4 UPI00025FC4 UPI000454B124 UPI00025F1285 Q7SZQ3 A0A034WJV1 H2SLF1 F6Z3K9 M3WG03 G3UK67 UPI0003BCABF6	K QRDDDL  EKTFEL K ASVQVS RKTFDL
UniRef90	UPI00044441FD UPI0003C189AC UPI0004418FB6 UPI0004418FB6 UPI0004418FB6 UPI00042ABE26 UPI00042ABE26 UPI00042ABE26 UPI00042AA063 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI00038BEA20 K7FAM8 I6N586 UPI00038BEA20 K7FAM8 I6N586 UPI0003BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI000454B124 UPI0003BCFEC4 UPI0003BCFEC4 UPI0003BCABF6 ISJUM9 M3WG03 G3UK67 UPI0003BCABF6	K QRDDDL  EKTFEL  ASVQVS RKTFDL TREFLLS
UniRef90	UPI00044441FD UPI0003C189AC UPI0003418FB6 UPI0004418FB6 UPI0004418FB6 UPI000427 UPI00042ABE26 UPI00042ABE26 UPI00042AA063 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI0003AFDF12 G3WA48 F2VRK3 UPI00038BEA20 UPI00038BEA20 UPI0003BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI000449B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI000454B124 UPI00045AB124 UPI0003BCABF6 I3JUM9 D3L5A7 D5MSB4	K QRDDDL  EKTFEL K ASVQVS RKTFDL
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0003418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 UPI00042ABE26 _UPI00042A98F6 _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _T1JD52 _G3WA48 _F2VRK3 _UPI000273C9B5 _UPI00038BEA20 _UPI00038BEA20 _UPI0003AFDF12 _G3HAC6 _UPI0003AFDF12 _G3HAC6 _UPI0002BCFEC4 _UPI0002BCFEC4 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI0003BCFEC4 _UPI0003BCFEC4 _UPI0003BCFEC4 _UPI0003BCABF6 _I3JUM9 _D2I5A7 _UPI0003BCABF6 _I3JUM9 _D2I5A7 _D5MSB4 _T1J767	K QRDDDL  EKTFEL  ASVQVS RKTFDL TREFLLS
UniRef90	UPI00044441FD UPI0003C189AC UPI0003418FB6 UPI0004418FB6 UPI0004418FB6 UPI0003332FAF J9UXZ7 UPI00042ABE26 UPI00042A98F6 UPI00042A063 O01761-6 G3WA49 UPI00042AB353 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003AFDF12 G3HAC6 UPI0003BCFEC4 UPI0002BCFEC4 UPI0003BCABF6 I3JUM9 D3USAF	K QRDDDL  EKTFEL  ASVQVS RKTFDL TREFLLS
UniRef90	_UPI00044441FD _UPI0003C189AC UPI0003418FB6 _UPI0004418FB6 _UPI0003332FAF _J9UXZ7 UPI00042ABE26 _UPI00042A98F6 _UPI00042A063 _O01761-6 _G3WA49 _UPI00042AB353 _UPI00042AB353 _UPI000273C9B5 _T1JD52 _G3WA48 _F2VRK3 _UPI000273C9B5 _UPI00038BEA20 _UPI00038BEA20 _UPI0003AFDF12 _G3HAC6 _UPI0003AFDF12 _G3HAC6 _UPI0002BCFEC4 _UPI0002BCFEC4 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI000454B124 _UPI0003BCFEC4 _UPI0003BCFEC4 _UPI0003BCFEC4 _UPI0003BCABF6 _I3JUM9 _D2I5A7 _UPI0003BCABF6 _I3JUM9 _D2I5A7 _D5MSB4 _T1J767	EKTFEL  ASVQVS RKTFDL TREFLLS RKT
UniRef90	UPI00044441FD UPI0003C189AC UPI0004418FB6 UPI0004418FB6 UPI0004418FB6 UPI00042ABE26 UPI00042ABE26 UPI00042ABE26 UPI00042AA063 O01761-6 G3WA49 UPI00042AB353 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI000273C9B5 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI00038BEA20 UPI0003BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI0002BCFEC4 UPI000454B124 UPI000454B124 UPI000454B124 UPI00025CFEC4 UPI000454B124 UPI000454B124 UPI0003BCFEC4 UPI0003BCFEC4 UPI0003BCFEC4 UPI000454B124 UPI0003BCFEC4 UPI0003BCFEC4 UPI0003BCFEC4 UPI0003BCABF6 I3JUM9 D2I5A7 D5MSB4 T1J767 F1PV45 B0W2H5	EKTFEL  ASVQVS RKTFDL TREFLLS RKT

NVYV PPSIEEQDWINETISNPVTFA $^{\circ}$ 00 ATGLPPPTLIW UniRef90\_M7CDE5 UniRef90\_U3KM76 UniRef90\_G7VQD0 Q R G A T T E L A <mark>C</mark> T V K N T E V S L E <mark>C</mark> E L S G T UniRef90\_M3XTP2 UniRef90\_F6JYA9 UniRef90\_E9Q8K5 UniRef90\_E9Q8K5 UniRef90\_UPI00032B223D UniRef90\_V8NGQ3 UniRef90\_UPI0003D07FFE Q<sub>P</sub><sub>P</sub><sub>F</sub> UniRef90\_Q6UWL6 UniRef90\_A2ASS6 UniRef90\_H3ADQ7 S D R I I P P S P P V F S E V P A UniRef90\_UPI0002C43C30 UniRef90\_UPI0002C43C30 UniRef90\_G3RW78 UniRef90\_UP100046BFC9C
UniRef90\_UP100046C0B7B
UniRef90\_UP100046C0B7B
UniRef90\_UP100032AD4AA
UniRef90\_UP100046C2405
UniRef90\_UP100046C2405
UniRef90\_UP100046C2405
UniRef90\_UP100046BECD4
UniRef90\_UP100046BECD4
UniRef90\_UP100046BFD94
UniRef90\_UP100046BFD94
UniRef90\_UP100046BFE72
UniRef90\_UP100046BFE72
UniRef90\_UP100046BFE72
UniRef90\_UP100046BEBAA
UniRef90\_UP100046BEBAA
UniRef90\_UP100046BEBAA
UniRef90\_UP100046BEBAA
UniRef90\_UP100046BEBAA
UniRef90\_UP10004BBFC3A
UniRef90\_UP10004BBEBAA
UniRef90\_UP10003EAF65A
UniRef90\_UP10003EAF65A
UniRef90\_UP10003EAF65A
UniRef90\_UP10003EAF65A
UniRef90\_UP10003EAF65A
UniRef90\_UP10003EAF65A
UniRef90\_UP10003BB72
UniRef90\_UP10003BD72
UniRef90\_UP10003BD72 Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I S V T W
Y T G T L P I I T V S W
K T G T L P I I T V S W
K T G T L P I I T V S W
K T G T L P I I T V S W
K T G T L P I I T V S W
K T G T L P I I T V S W
K T G T L P I I T T K W
Y T G T L P I I T K W
Y T G T L P I I T K W
Y T G T L P I I T K W
Y T G T L P I I T K W
Y S W

W S D R I L E K P I I I T K W
Y T G T L P I I T K W
Y T G T L P I I T K W
Y T G T L P I I T K W
Y T G T L P I I T K W
Y T G T L P I I T K W
Y S W
W S D R A V P P S F T R R L N T G G S P V T F D C R L N G S P I I S V A W
S D R A V P P S F T R R L N T G G V L G A S C I L E C K V A G S S P I S V A W
S D R A V P P S F T R R L N T G G V L G A S C I L E C K V A G S S P I S V A W
S D R A V P P S F T R R L N T G G V L G A S C I L E C K V A G S S P I S V A W
Y P P S F V I S T V V G K E V Q L Q T I L E G A E P
I S V V W
P P S F V I S T V V G K E V Q L Q T I L E G A E P
I S V V W
I L Q P G P
I V N A S A N Q T A L L A C Q A D G V P Q P L V S W UniRef90\_UPI000298DB72 UniRef90\_UPI00034FDD61 UniRef90\_W8ASK6 UniRef90\_UPI00045DB826 UniRef90\_UPI0002742CC9 UniRef90\_UPI00045D890A UniRef90\_UPI00045D890A UniRef90\_UPI00042B9BE0 UniRef90\_UPI00045D9AED UniRef90\_UPI00045D9AED
UniRef90\_UPI00045D9AED
UniRef90\_UPI0003F0CD41
UniRef90\_UPI0003F0CD41
UniRef90\_UPI0003F0CD41
UniRef90\_UPI0003F0CD41
PPAFLTRPKP ITTFVGKAAKFICTVSGT PTIETIW
UniRef90\_UPI0004441A21
PKVSIHAQSQRFSQ GVEVRISCSASGYPTPHISW

	50 60 70 81	0
UniRef90_M7CDE5 UniRef90_U3KM76 UniRef90_G7YQD0 UniRef90_M3XTP2 UniRef90_F6JYA9	LKNGKHLENSDSLEIHILSGG SKLQI ARSQHSDSG ERGDASLRLPGIQLREAG YKDGRHLAGHADENKIYNQPGSV LYTI TDANEDSHG YKDKRQLRSSKKYKLA SKNFHASIHILNVEASDIG	
UniRef90_E9Q8K5 UniRef90_E9Q8K5 UniRef90_UPl00032B223D UniRef90_V8NGQ3	LKNNKEI RSGK KYTMSEKMSVFYL HI TKCDPSDVG	
UniRef90_Q6UWL6 UniRef90_A2ASS6 UniRef90_H3ADQ7 UniRef90_UPl0002C43C30 UniRef90_UPl0002C43C30	DGSGQFTYEFDGEQLLSVDLKEKEVVWRLPEDAVHFDVQGSNPAQQTLYFDDKKALRDNRIELLRASTIRVTDVSLSDEGAKDNQEIRTGGKYQLSYVEN AHLTILRVDKGDSGFRDGVLLDGATFHQTLLKEGTPGSVESTLTLTPFSHDDGAFHDGNEISSGRKYQTTLTDN TCALTVNMLEEADAGHRDGQPIFT KPDSDSDTTQLESGSLLIESMGLDNEAKNGINITPSQ RCNITTAEKSAMLEIPSSMVEDAGKKNGINITPSQ RCNITTAEKSAMLEIPSSMVEDAGKKNGINITPSQ RCNITTAEKSAMLEIPSSMVEDAG	i
UniRef90_G3RW78 UniRef90_M3YE18 UniRef90_UPI0003C91E9C UniRef90_H3AZ49 UniRef90_K7H009		
UniRef90_UPI000350D02D UniRef90_UPI000344797A UniRef90_UPI000344797A UniRef90_H2M0W7 UniRef90_H0W9L9	F K D G R E L S A D S K H H I T F I N K V A S L K I P C A E M S D K G T F N N N I I P V Q F D S R N G H S E L V I E R V S K D D S G L K D G K E I E L I A R I R V Q T R T G P E G H I T E E L I I D N V T P E D V G G G G M F D F D G D E I F H V D L E K S E T I W R L P I T F T S F E A Q G F H E G N E I S S G R K Y Q T T L T D N T C A L T V N M L E E S D A G F H E G N E I S S G R K Y Q T T L T D N T C A L T V N M L E E S D A G L K D G S P V A I V S H R T Q V L S A G R V L S L S S A Q I S D T G Y K N N S A V N Q V I R T F P D V L I G G K Y A A T S Q L L L G S K D I A Q S T	
UniRef90_G5BQE5 UniRef90_UPI0002656527 UniRef90_UPI0002656527 UniRef90_UPI00034F2DB8 UniRef90_UPI0003F18492	FHEKTKI VIS GAKY OTTES DN VOTT LOLINS LIDS S DMG	<u>.</u>
UniRef90_UPI0003F18492 UniRef90_W5KCI6 UniRef90_M4A7Z7 UniRef90_U3IV84 UniRef90_W5UEY3	E Y S Y D G S E F L S F D D E N M R WI A V Q A A Q I T K R K W D D V A F R N E K E V K G T S C A K E V N A S G K T F T V R S S L Q L H V D R N D D G V	]
UniRef90_F6VG02 UniRef90_D0QYP6 UniRef90_UPI0003D71730 UniRef90_J7FSP0 UniRef90_B4JVD6	FRGARELVKGDRCNIYFED TVAELELFNVDISQSG YGGEDFLLFDLKNKRWIVPGRQGITKMKWDEAK RGYCQEAYDGQDYISLNEDLRSWTATDFAQLSKHKSEEVG YDGEDFVHLSFKEMRYSPVPQAIPTILKWNNNR YRGNEYKPDKRDDKVSESTPKRYTTTSSLKLKPGANDDYA	i
UniRef90_Q8NDA2 UniRef90_UPI0002A4BA7B UniRef90_F1QNN0 UniRef90_W2SIG1 UniRef90_UPI0003EE0BC2	QKDG HL AEDDKPTFLSNGRR YRDGEVMLTAIYSKTLMEDGKRETAVSLLPLVPDDRDSGRFRGARELVKGDRCNIYFED TVAELELFNVDISQSGRFRGARELVKGDRCNIYFED YGGEDFLLFDLKNKRWIVPGRQGITKMKWDEAKRGYCQEAYDGQDYISLNEDLRSWTATDFAQISKHKSEEVGRYDDGEDFVHLSFKEMRYSPVPQAIPTILKWNNNRYRGNEYKPDKRDDKVSESTPKRYTTTSSLKLKKPGANDDYATVNDRPV TEGVSEQDGGSTLQRAAVSREDSGTVNDAYSPVPQAIPTILKWNNNRYYRGNEYKPDKRDDKVSESTPKRYTTTSSLKLKKPGANDDYATVNDRPV TEGVSEQDGGSTLQRAAVSREDSGTVNDAYSPVPQAIPTILKWNNNRYYRGNEYKPDSQHHISSDGTVNTSFAQYAVIPDFKDGERLIGKKDGQPVYKDSQHHISSDGTVKTTPSFAQYAVIPDFKDGERLIGKKDVKTTPSFAQYAVIPDFKDGERLIGGKDVKTTTPSFAQYAVIPDFKDGERLIGGKDVKTTTPSFAQYAVIPDFKDGERLIGGKDVKTKTWIAKPQAVITKKWDSNGTFQDGYNTSHRPSGVPERFSGSISGNKAALTITGAQAEDEGFRGIRELVSDSTCNISLED	i i
UniRef90_UPI00046C0F6D UniRef90_UPI00046C17FE		•
UniRef90_UPI00046BF829 UniRef90_UPI00046BF829		i i <b>i</b>
UniRef90_UPI00046BFC9C UniRef90_UPI00046C0B7B UniRef90_UPI00046C0B7B UniRef90_UPI00032AD4AA UniRef90_UPI00046C2405 UniRef90_UPI00046C2405 UniRef90_Q8WZ42 UniRef90_Q8WZ42	FKGSVELV  PGHRCNI SLENLVAELELFDVQPLQSG FKGSVELV  PGHRCNI SLENLVAELELFDVQPLQSG KKDGFNI TTSE  KCNI VTTEKTCI LEI LNSTKRDAG	i i
11 'D (00 11D1000 40DEOD 4	Y K G D T K L R A T P T S K M H F K N N  Y K G D T K L R A T P T S K M H F K N N  V A T L V F G Q V D S G D S G  N K D G N K I P P G K D Y K I C F E D K  N K D G N K I P P G K D Y K I C F E D K  N K D G N K I P P G K D Y K I C F E D K  I A S L E I P L A K L K D S G  F K D G R E L Q S G R K Y Q I T F S  N K V A T L K V L S A E A G D R G  F K D G R E L Q S G R K Y Q I T F S  N K V A T L K V L S A E A G D R G  F K D G R E L Q S G R K Y Q I T F S  N K V A T L K V L S A E A G D R G	i
UniRef90_UPI00046BFEF2 UniRef90_UPI00046C23F5 UniRef90_M3ZJI9 UniRef90_UPI00046BEE8A UniRef90_UPI00046BEE8A	FKDGRELQSGRKYQITFS FQDGNEIVSGDKYEVSFSDD  LKNGHTIENSESLEMNIFSGG HKDGVLLHDDDNMQTTFLNN VATLQILQTDMAHCG KTQGKDIYGPGFKDGFQGELDTEKDQAVLKILAASETDEG	
UniRef90_F6WWQ9 UniRef90_UPI000298A481 UniRef90_UPI0003EAF65A UniRef90_UPI0003EAF65A UniRef90_A0A016SB32	EKDKLKLTSGGRFKAVEDGD VYRLTI YELTLEDSG LKNNREI RSSKKYTLTDRVS VFNLHI TKCDPSDTG LKNNREI RSSKKYTLTDRVS VFNLHI TKCDPSDTG	
UniRef90_Q8WZ42-12 UniRef90_Q8WZ42-12 UniRef90_UPI000298DB72 UniRef90_UPI00034FDD61	FHEKTKI VSGAKYQTTFSDN VCTLQLNSLDSSDMG FHEKTKI VSGAKYQTTFSDN VCTLQLNSLDSSDMG YKNGLQLAPRNGFEMDRY QLEI VGVQVADGG	i i <b>i</b>
UniRef90_W8ASK6 UniRef90_UPI00045DB826 UniRef90_UPI0002742CC9 UniRef90_UPI00045D890A UniRef90_UPI00045D890A UniRef90_UPI00042B9BE0	FKDNKELHSGAARSVWKDDTST ILELFAAKATDSGRKNGHLL NVDQNQNSYRLLSSLVIISPSVDDTAFKDKGEVVRESDNI WISYSENIATLQFSRVEPASAGFKDKGEVVRESDNI WISYSENIATLQFSRVEPASAG	
UniRef90_UPI00042B9BE0 UniRef90_UPI00045D9AED UniRef90_H0XAK9 UniRef90_UPI0003F0CD41 UniRef90_UPI0003F0CD41 UniRef90_UPI0004441A21	QKDGQPLLEDDHHKFLSNGR ILQILNTQLMDIG QKDGTALAPSPNCKISDTENKH VLELSNLTTQDRG	i

	00 100 110 120
UniRef90_M7CDE5	90 120 NYT <mark>CLA SNVEGKAQKSYLLSTQVPPNLVGSEMP</mark> SEVSV
UniRef90_U3KM76 UniRef90_G7YQD0	EYR <mark>CEVVVTPQKAEGV VQVEVVASPAGKVTL</mark> DQAPT
UniRef90_M3XTP2	LYAAEVHPTITEGDPKIDGEFKDEVAVPPPPRVLIPRNTS EYY <mark>C</mark> KAQNEVGSDT <mark>CLC</mark> TVKL KEPPRFVSKLNSLTV
UniRef90_F6JYA9 UniRef90_E9Q8K5	A F [
UniRef90_E9Q8K5	EYQ <mark>C</mark> I LANEGGS <mark>CACS</mark> ARVAL KEPPSFI KKI ENVTT
UniRef90_UPI00032B223D UniRef90_V8NGQ3	GLTSIAMIQMHLDVLVQRSNHTRAVSVPPTVTVL PQAPV
UniRef90_UPI0003D07FFE	KYT <mark>C</mark> YASNE <u>VG</u> KDSSTAQ <u>LNIKERKIPP</u> SF <u>TKKLS</u> ET <u>VEE</u>
UniRef90_Q6UWL6	T F V C R A R S Q A L P T G R D T A L T L S L Q Y P P E V T L S A S P H T V L D Y T C L A T N L V A G S D E C S A B L T V B E D B S E V O K B D B M D V
UniRef90_A2ASS6 UniRef90_H3ADQ7	LYAAEVHPTI TEGDPKL DGEFKDEVAVPPPPRVL I PRNTS EYYCKAQNEVGSDTCICTVKL KEPPRFVSKLNSLTV AFIESDKHYLNTECVDWLKKYLQYGKSSLKKTVSPQVSLL EYQCIIANEGGSCACSARVAL KEPPSFIKKIENVTT EYQCIIANEGGSCACSARVAL KEPPSFIKKIENVTT GLTSIAMIQMHLDVLVQRSNHTRAVVSVPPTVTVL PQAPV QYTCSLFT MPVKTSKAFLTVLGVPETPQLSGFI SPL KYTCYASNEVGKDSSTAQLNIKERKIPPSFTKKLSETVEE TFVCRARSQALPTGRDTALTLSLQYP PEVTLSASPHTV DYTCLATN VAGSDECSAPLTVREPPSFVQKPDPMDV VYICEVQNQFGTLRALSRLSIAGL VAPEVAASAPEVIV
UniRef90_UPI0002C43C30 UniRef90_UPI0002C43C30	QYNCYIENASGKDSCSAQILIL  EPPYFVKRLEPVKV QYNCYIENASGKDSCSAQILIL  EPPYFVKRLEPVKV
UniRef90_G3RW78	DTYCRHNYGVVESF TVQRRVRPHVTVY PAKTQ
UniRef90_M3YE18 UniRef90_UPI0003C91E9C	MI K R S N H T P N T K V P P E V T V L S N T P V E
UniRef90_H3AZ49	TYVCTAENQVGSVKAIGFVYV KEPPIFDLDSNRIE
UniRef90_K7H009 UniRef90 UPI000350D02D	KYT <mark>C</mark> IVENTAGTDT <mark>C</mark> TVVETLEKAPNKAPEFLVALQDKTT
UniRef90_UPI000330D02D	DYMCVATN VAGSDECRAPLITVREPPSFVQKPEAMDV
UniRef90_UPI000344797A	D Y M C V A T N V A G S D E C R A PLIT V R E P P S F V Q K P E A M D V
UniRef90_H2M0W7 UniRef90_H0W9L9	DI QLMCKAQHMTGTVQTEVITKGI VELAPNVTVFVPPRTF
UniRef90_G5BQE5	LREKQNKAYLEKD <mark>C</mark> PGQLQKFILDQPVPP LAKVTHH
UniRef90_UPI0002656527 UniRef90_UPI0002656527	NYTCVAANVAGSDECRAVLITVQESPSFVKEPEPLEV
UniRef90_UPI00034F2DB8	RIIS CEAYNS VS VGT QERS IT LQVT FPPS AVT L LGS VS QS E
UniRef90_UPI0003F18492 UniRef90_UPI0003F18492	VAGSDECSAVLITVQEPPSFEQTPDSVEV
UniRef90_W5KCl6	Q Y N C Y I E N A S G K D S C S A Q I L I L E P Y F V K R L E P V K V D T Y C R H N Y G V V E S F
UniRef90_M4A7Z7 UniRef90_U3IV84	RYVCVVENIAGSAKKYFNLNVH VPPNVVGTNPENTV
UniRef90_W5UEY3	TYTCRVLNPAAPGGRQTSITI NVQHPPSVTLSVQPQTV EYTCVVSNNAGQTFCTTRLYV KEPAAFVKKLSDHS
UniRef90_F6VG02 UniRef90_D0QYP6	I H Y L T H T CI E WL K K Y V S N W R R N L E R T V P P Q V S L L Q K E P S
UniRef90_UPI0003D71730	EAHQQRAYLQGP <mark>CVEWLH</mark> TYLQLGRSDPPKVYV
UniRef90_J7FSP0 UniRef90_B4JVD6	EYTCQAKHRALSPDMPMRATVQLSVPGPPYITEGYSPSVTL
UniRef90_Q8NDA2	TYV <mark>C</mark> WAENRVGRTQAVSFVHVKEAPVLQGEAFSY LVE
UniRef90_UPI0002A4BA7B UniRef90_F1QNN0	I Y E R ALIA FILID F C K Y DIL H A YII K Y F N N P P P P Q T S II Y S K G N V Q
UniRef90_W2SIG1	TYVCEAENIHGSARSHSIVEVTPPPEKEPKFIELLANRSV
UniRef90_UPI0003EE0BC2 UniRef90_D7EZP5	TYTCRVLNPAAPGGRQTSITI NVQHPPSVTLSVQPQTV EYTCVVSNNAGQTFCTTRLYV EYTCVVSNNAGQTFCTTRLYV EYTCVVSNNAGQTFCTTRLYV EYTCQVSNNAGQTFCTTRLYV EYTCQLEWLKKYVSNWRRNLERTVPPQVSLLQKEPS EAHQQRAYLQGPCVEWLHTYLQLGRSDPPKVYV THHP AFLEQWKNYFSTVCIEWLQKYLQYRKSSLEKEVSPQVSLL EYTCQAKHRALSPDMPMRATVQLSVPGPPYIEGYSPSVTL TYVCWAENRVGRTQAVSFVHVKEAPVLQGEAFSY LVEGYMCVAENKVGTVEKLF SLTVQVPPTITPREESVSV IYERALAFLDFCKYDLHAYIKYFNNPPPPQTSIYSKGNVQ TYVCEAENIHGSARSHSIVEVTPPPEKEPKFIELLANRSV TYTCECSNVAGNSSQDQLLEVHD PPHIEDSGQPAEL IGQTEQQKNYLTQECIEWLKKYLDYGKSTLMRTVRPSVSL DYYCCLYFSGPYVFGSGTHLSVLGQPKSPSVTLFPPSTEE
UniRef90_K9J6F1	DYYCCLYFSGPYVFGSGTHLSVLGQPKSPSVTLFPPSTEE DYTCRVTNDAGSVSCTTHLFV  KEPATFVKKLSDSR DYTCRVTNDAGSVSCTTHLFV  KEPATFVKKLSDSR EYTCLASNKYGETACSAYLKVKPKEVKKPLEKKRNPNPPC EYTCLASNKYGETACSAYLKVKPKEVKKPLEKKRNPNPPC
UniRef90_UPI00046C0F6D UniRef90_UPI00046C0F6D	DYTCRVINDAGSVSCTTHLFV KEPATFVKKLSDSR
UniRef90_UPI00046C17FE	EYT <mark>CIASNKYGETAC</mark> SAYLKVKPKEVKKPLEKKRNPNPPC
UniRef90_UPI00046C17FE UniRef90_UPI00046BF829	EYTCLASNKYGETACSAYLKVKPKEVKKPLEKKRNPNPPC EYHCKAVNDVGSDTC ISSITLRAPPIFVKKLSDTA EYHCKAVNDVGSDTC ISSITLRAPPIFVKKLSDTA LYTCKVSNEAGSELCTSSVVIKEPQ KPPVFDQPLRPVTI DYTCLVTNEAGKVSCT TQLFVKEPAKFVKKLNNLSV
UniRef90_UPI00046BF829 UniRef90_UPI00046BFC9C	EYHCKAVN DVGSDTC
UniRef90_UPI00046C0B7B	
UniRef90_UPI00046C0B7B UniRef90_UPI00032AD4AA	DYT <mark>C</mark> LVTNEAGKVS <mark>C</mark> T TQLFVKEPAKFVKKLNNLSV RYM <mark>C</mark> VAENTAGTAQKYFNLNVH_ VPPSVIGP <u>N</u> PE <u>N</u> TV
UniRef90_UPI00046C2405	DYT <mark>C</mark> ILVITNEAGKII IS <mark>C</mark> T TQILIFIVIKEPAKFIVIKKILINNILINIVI
UniRef90_UPI00046C2405 UniRef90 Q8WZ42	DYTCLVTNEAGKISCT TQLFVKEPAKFVKKLNNLNV QYSCEILENEAGRDVCGALV STLEPPYFVTELEPLEA
UniRef90_Q8WZ42	Q Y S C E I E N E A G R D V C G A L V S T L E P P Y F V T E L E P L E A Q Y S C E I E N E A G R D V C G A L V S T L E P P Y F V T E L E P L E A
UniRef90_UPI00046BECD4 UniRef90_UPI00046BECD4	E Y
UniRef90_UPI00046BFD94	NYV <mark>C</mark> TASNEAGSSSSSATVTII REAPKFVKKLEASRFA
UniRef90_UPI00046BFD94 UniRef90_UPI00046BFEF2	NYV <mark>C</mark> TASNEAGSSSSSATVTI R <u>EA</u> PKF <u>V</u> KK <u>LE</u> ASRFA LYTFEVKNEAGESS <mark>C</mark> TSSVDV SDRIVPPFFTRKLKET <mark>C</mark> G
UniRef90_UPI00046BFEF2	LÝTFEVKNEAGESS <mark>C</mark> TSSVDV SDR <u>I VPPFFTRKLKET<mark>C</mark>G</u> PYT <mark>C</mark> AAANAAGSDECSAFLIVQ EPATFVKKLSDSS
UniRef90_UPI00046C23F5 UniRef90_M3ZJI9	PYTCAAANAAGSDE <mark>C</mark> SAFLIVQ EPATFVKKLSDSS TFT <mark>CV</mark> A S <u>NV</u> EGKAHKS <u>YR</u> LT <u>IQVPPSISG</u> SE <u>M</u> PREM <u>GV</u>
UniRef90_UPI00046BEE8A	T F T CVA S NVE G K A H K S Y R L T T Q V P P S T S G S E M P R E M G V Q Y S C S A H N A L G T A S S S A K L L L T E R L R P P V F D V K P E P V E Q Y S C S A H N A L G T A S S S A K L L L T E R L R P P V F D V K P E P V E
UniRef90_UPI00046BEE8A UniRef90_F6WWQ9	SYYCF WNPSSAVHT DKL I FGKGTRVT VEPKI QPPT KPSVF
UniRef90_UPI000298A481	SYYCHWNPSSAVHIDKLIFGKGIRVIVEPKIQPPIKPSVFQYMCRAKNNVGEAYAAVTLKVALPTPHRAPVFVVKPSTRV EYQCIVSNEGGSCSCSTRVAL KEPPSFIKKIENTTT EYQCIVSNEGGSCSCSTRVAL KEPPSFIKKIENTTT RYTCMATNEYGQASTSAFFRVLKVEKAPPRFVNTLKDQEC DYHCKATNDVGTDSCICTLKL KEPPRFVKKVDSVSI NYTCVAAN VAGSDECRAVLTVQEPPSFVKEPEPLEV NYTCVAAN VAGSDECRAVLTVQEPPSFVKEPEPLEV NYTCVAAN VAGSDECRAVLTVQEPPSFVKEPEPLEV
UniRef90_UPI0003EAF65A UniRef90_UPI0003EAF65A	EYQ <mark>CIV</mark> SNEGGSCSCSTRVAL KEPPSFIKKIENTTT
UniRef90_A0A016SB32 UniRef90_F7EAV6	RYTCMATNEYGQASTSAFFRVLKVEKAPPRFVNTLKDQEC
UniRef90_Q8WZ42-12	NYTCVAAN VAGSDECRAVLITVQEPPSFVKEPEPLEV
UniRef90_Q8WZ42-12 UniRef90_UPI000298DB72	RYTCMAINEYGUASTSAFFRVLKVEKAPPRFVNTLKDQEC DYHCKATNDVGTDSCICTLKL  NYTCVAAN VAGSDECRAVLTVQEPPSFVKEPEPLEV NYTCVAAN VAGSDECRAVLTVQEPPSFVKEPEPLEV TYTCKVSNVAGQVDRTFRLTVH VPPVLEGSLWESLNY QYQKNWLEKECIAWLRRFLEYGKDTLQRTEPPLVRTNRQE EYQCQVTPARLNSAIRANAKLTVISPPEIQGYAHNSKVEV TYICQLSNDVGTATSKVTLFV  KEPPQFIKKPSPVL TYECTV
UniRef90_UPI00034FDD61	QYQKNWLEKECIAWLRRFLEYGKDTLQRTEPPLVRTNRQE
UniRef90_W8ASK6 UniRef90_UPI00045DB826	EYQCQVTPARLNSALRANAKLTVISPPELQGYAHNSKVEV
UniRef90_UPI0002742CC9	TYECTV TNDAGEDKRTLDLTVQVPPSIADEPTDFLI
UniRef90_UPI00045D890A UniRef90_UPI00045D890A	KYTC QIKNDAGMQECFAMLSILEPATIVEKPESIKV KYTC QIKNDAGMQECFAMLSILEPATIVEKPESIKV
UniRef90_UPI00042B9BE0	WLRGRQWDPQTPVSPVPPEVTVF PEDPV
UniRef90_UPI00045D9AED UniRef90_H0XAK9	KYTC QIKNDAGMQECFAMLSILEPATIVEKPESIKV KYTC QIKNDAGMQECFAMLSILEPATIVEKPESIKV WLRGRQWDPQTPVSPVPPEVTVF PEDPV HYLCLASNSAGSDRQGRDLQVF EPPAITPGPFNLTL RYVCVAENTAGSAKKNFNLNVH VPPSVIGPNPENTV
UniRef90_UPI0003F0CD41	V Y S C K A S N K F G A D M C Q A E  L I I I  D K P H F   I   K E   L   E P   V   Q S
UniRef90_UPI0003F0CD41 UniRef90_UPI0004441A21	VYSCKASNKFGADM <mark>C</mark> QAELIIID KPHFIKELEPVQS NYSCQATNEVGSDKETLTLYYTD PPSLSAVNAVVLA
0111110100_01 1000444 IAZ I	A TO V WALE TO THE TELL TO THE TELL TO THE TELL THE THE TELL THE T

	130 140 150	160
UniRef90_M7CDE5	I TGESLIOL VCNAKGIPRPAIDO WIKDGNPWISN	DSORIR
UniRef90_U3KM76 UniRef90_G7YQD0	KENRYARV V CKTSGFYPESITIT WEKWTQKAPQH VEPGVATLTCTIFSLDESVKVRWYRGLETPFERI IAGEPAELQASIEG ALPISVQWLKEKEVIRES	ETTQEA
UniRef90_M3XTP2 UniRef90_F6JYA9	<u>                                     </u>	ENLRIT VDGELL
UniRef90_E9Q8K5	V L IK S S A T F Q S T IV IA G S P P II IS II IT WIL I K D D	Q I L EEN
UniRef90_E9Q8K5 UniRef90_UPI00032B223D	V L K S S A T F Q S T V A G S P P I S I T W L K D D E L G R P N T L I C V V D N I F P P V I K V T W L R N G Q V T Q G V	
UniRef90_V8NGQ3	MEGDWMFILIT CKTSGS KPAADII IRWEKNDKEIVIKDIVI	KYIIKFF
UniRef90_UPI0003D07FFE UniRef90_Q6UWL6	TEGNA <u>LTLEGR</u> VSGS QPMTVSWYKNNQEVHPS QEGEKV <u>IFLCQA</u>	ANYELLS
UniRef90_A2ASS6	I IT G S N IV IT F T S II V IK G S P P F T IV IS W F K G S	TELVPG
UniRef90_H3ADQ7 UniRef90_UPI0002C43C30	LEGHSLITEPCAV LAGEPLP DRRW TVGDSASLOCOLAGEP	T K D G H Q D A Y K M H
UniRef90_UPI0002C43C30	TVGDSASLQCQLAGTP EI AVSWYKGDTKLRPT	DAYKMH
UniRef90_G3RW78 UniRef90_M3YE18	TVGDSASLQCQLAGTP EI AVS WYKGDTKLRPT TVGDSASLQCQLAGTP EI AVS WYKGDTKLRPT PLQHHNLLVCSVNGFYPGSI EVRWFRNGQEEKAG L GEPNTLICFI DKFSPPVI NVT WLRNGNPVT KG L GASVVLECRVSGSA PLSVGWFQDGNEL PLGGNAI LNCEVRGDP PPT I QWSKKGVSI QIN KTSEKVVLECKVVGEPKPK VSWLHDNKTI SQE L GDPNI LICYVDKFWPSVI TIT WMKNGQETEGV L TGANVTFTSI VKGTPPFSV SWFKGSS L TGANVTFTSI VKGTPPFSV SWFKGSS MLGQSVEL L CQSDAIP PPT LSWRKDGRPLFRK	V VIS I N Y V S T V F I
UniRef90_UPI0003C91E9C	L GASVVLECRVSGSA PLSVGWFQDGNEL	VSGPK
UniRef90_H3AZ49 UniRef90_K7H009	KTSEKVVLECKVVGEPKPK VSWLHDNKTISQE	TITVES
UniRef90_UPI000350D02D	L GDPNLLI <mark>C</mark> YVDKFWPSVITLTWMKNGQETEGV	SETVFY
UniRef90_UPI000344797A UniRef90_UPI000344797A	LTGANVTFTSIVKGTPPFSV SWFKGSS	E L I P G D
UniRef90_H2M0W7	MLGQSVELLCQSDATP PPTLSWRKDGRPLFRK LDSRKSKLLCQATDFSPKQVTVSWLREGKLIERG	PGLIVA
UniRef90_H0W9L9 UniRef90_G5BQE5	VAPAATTLQCQALREYPQNLTMRWLKDKQLLDAK	<u>I I</u> T D K K E G <mark>G</mark> Q <u>K</u> D
UniRef90_UPI0002656527 UniRef90_UPI0002656527	V A P A A T T L Q C Q A L R F Y P Q N L T M R W L K D K Q L L D A K L P G R N V T F T S V I R G T P P F K V G W F R G A R E L V K G L P G R N V T F T S V I R G T P P F K V G W F R G A R E L V K G L P G R N V T F T S V I R G T P P F K V G W F R G A R E L V K G	DRCNIIY
UniRef90_UPI00034F2DB8	NKNVTLCCLTKSSRPRVLLRWWLGGRQLQPT	E E T V M D
UniRef90_UPI0003F18492 UniRef90_UPI0003F18492	LIPGMS LIFFIS VI RGTP PFK V KWFKGSKE LV PG	ESCTIIS ESCTIIS
UniRef90_W5KCI6	T D P G K L T L T CLAT G F Y P K D V K L C L R K F T T P E H M L	T S S G I R
UniRef90_M4A7Z7 UniRef90_U3IV84	<u>Q E G Q Y  L  K  L  E                            </u>	KIIVEG ANTFIV
UniRef90_W5UEY3	L P G R N V T F T S V I R G T P P F K V G W F R G A R E L V K G  N K N V T L C C L T K S S R P R V L L R W W L G G R Q L Q P T  L P G M S L T F T S V I R G T P P F K V K W F K G S K E L V P G  L P G M S L T F T S V I R G T P P F K V K W F K G S K E L V P G  L P G M S L T F T S V I R G T P P F K V K W F K G S K E L V P G  T D P G M S L T F T S V I R G T P P F K V K W F K G S K E L V P G  Q E G Q Y L K L E C F S R G N P S P D P V M W T K D G G D L P D L D  V V N N F I S L T C E V T G F P P P D L S W L K N G K P I S L N  M E G A K V L F I C S A S A S P E I I G Y R W S K G G V P I P E A  V E P G K S I I L E S T Y T G T L P I S V T W K K D G F N I  N P V T C H A T G F Y P N A I M I F W G R D G V E I H D V  R P F G D V T R W W A L D F Y P A D I T I T W O L N G E D I T O F	KGDSLE
UniRef90_F6VG02 UniRef90_D0QYP6	NPVTCHATGFYPNAI MI FWGRDGVEI HDV	<u> </u>
Omitolog_Or logoob i ii oo	R P E G D V T L R WWALD F Y P A DI T L T WQLN G E D L T Q E	MELVKT
UniRef90_J7FSP0 UniRef90_B4JVD6	R <u>R</u> G Q T V E L S <mark>C R S H G G N <u>P</u> P A QL I WY <u>K</u> N N S <u>QI R</u> M A Y</mark>	R T A G R L
UniRef90_Q8NDA2 UniRef90_UPI0002A4BA7B	PVGGSLQLDCVVRGDPVPDIH WIKDGLPLRGS	HLRHQL
UniRef90_F1QNN0	L GIQNTL VCHVTGFYPPFVNISWKNNVIVTEGM	SLSQYH
UniRef90_W2SIG1 UniRef90_UPI0003EE0BC2	F E N E E     V L   E	N R ML H Y
UniRef90_D7EZP5	LQKTPSPVT <mark>CH</mark> ATGFYPSGVMVFWQKDGQHHEDV	<u>E</u> HGETL
UniRef90_K9J6F1 UniRef90_UPI00046C0F6D	R P E G D V T L R WWA L D F Y P A D I T L T WQ L N G E D L T Q E Q K D P S S P V T C H A T G F Y P S G V T I T WM K N G Q D H H E D R R G Q T V E L S C R S H G G N P P A Q L I WY K N N S Q I R M A Y S V T W C C V V R G D P V P D I H WI K D G L P L R G S I Q L D C V V R G D P V P P E I T WT R D G Q V L Q F W T R D G Q V L Q F T W T R D G Q V L Q F T W T R D G Q V L Q F T W T R D G Q R L S R P T P T L T WY K D G L K L M F E L L T P G S P L E L H C D A R G T P P P N I T WH K D G Q A L S R P L Q K T P S P V T C H A T G F Y P S G V M V F W Q K D G Q H H E D V L Q K T P S P V T C H A T G F Y P S G V M V F W Q K D G Q H H E D V L Q K T P S P V T W K K N G F H I V E Q G K S I L L E S T Y K G T P P I S V T W K K N G F H I F V K K V E P V Q C V Q G L P E P V P E V Q W F K G N H Q I F S N V V G D P V E M Q A T V E G A Q P I S V L W L K D K G E I V R E	<u>V</u> E TOSP
UniRef90_UPI00046C0F6D	VEQGKSILLESTYKG TPPISVTWKKNGFHI	TQSP
UniRef90_UPI00046C17FE UniRef90_UPI00046C17FE	FVKKVEPVQC VQGLPEPVPEVQWFKGNHQIFSN FVKKVEPVQC VQGLPEPVPEVQWFKGNHQIFSN VVGDPVEMQATVEG AQPISVLWLKDKGEIVRE	$\begin{array}{c c} V & Y & Y & I & V & V \\ V & Y & Y & T & V & V \end{array}$
UniRef90_UPI00046BF829 UniRef90_UPI00046BF829	V V G D P V E M Q A T V E G A Q P I S V L W L K D K G E I V R E V V G D P V E M Q A T V E G A Q P I S V L W L K D K G E I V R E A E G D L L Q F S C H V H G S Q P I R I Q W L K A G R E I K A S	SENLWI
UniRef90_UPI00046BFC9C	AEGDILQFS <mark>CHVHGS QPIRIQWL</mark> KAGREIKAS	DKCNFS
UniRef90_UPI00046C0B7B UniRef90_UPI00046C0B7B	EKGKP LIL E <mark>C</mark> TYSGTP P I A VL WKKNGFE V AHS	EKCSIIT
UniRef90_UPI00032AD4AA	VMNNFI SLT <mark>C</mark> EVTGFPPPD LTWERNEQPIKPN	TNVLVV
UniRef90_UPI00046C2405 UniRef90_UPI00046C2405	EKGKPLILE <mark>C</mark> TYSGTP PIAVLWKKNGYKVVHS EKGKPLILE <mark>C</mark> TYSGTP PIAVLWKKNGYKVVHS	AKCSIII AKCSIIT
UniRef90_Q8WZ42	EKGKPLILECTYSGTPPIAVLWKKNGYKVVHS AVGDSVSLQCQVAGTPEITVSWYKGDTKLRPT AVGDSVSLQCQVAGTPEITVSWYKGDTKLRPT	PEYRTY
UniRef90_Q8WZ42 UniRef90_UPI00046BECD4	A V G D S V S L Q C Q V A G T P	VIQTSFILL
UniRef90_UPI00046BECD4 UniRef90_UPI00046BFD94	TVGLPVTFDCGITGSEPIEVSWSKDGVHIQDGYNITVGLPVTFDCGITGSEPIEVSWSKDGVHIQDGYNIKQGDSVQLECQISGSPEIKVVWYRNDTEIHAS	VIQTSFILL
UniRef90_UPI00046BFD94	K Q G D S V Q L E C Q I S G S P E I K V V W Y R N D T E I H A S K Q G D S V Q L E C Q I S G S P E I K V V W Y R N D T E I H A S	E K Y R I S
UniRef90_UPI00046BFEF2 UniRef90_UPI00046BFEF2	VIIGSSAILLIE <mark>C</mark> KIVISGSPPILISIVIAWEODGNEILVISG	DKYEVS DKYEVS
UniRef90_UPI00046C23F5	VEQGKSI L LESTYKG TPPI SVT WKKNGFHI	TQSP
UniRef90_M3ZJI9 UniRef90 UPI00046BEE8A	L VNESTEL V CEAQGTPTPTIQ WLKDGEAINNTVAGASGSFKCHVTGSA PLKVTWAKDNRDIRPG	ELKGLR GNYKIT
UniRef90_UPI00046BEE8A	VIAGASGSEK <mark>CH</mark> IVITGSA PILIKIVITWAKDNRDILIRPG	GNYKIIT
UniRef90_F6WWQ9 UniRef90_UPI000298A481	VMKNGTNVACLVKDFYPKDISINLKSSKKITEFD GLGGDVAFVCRVAAHP EANFEWEKDGRYLGES	PA IV NRVKLV
UniRef90_UPI0003EAF65A UniRef90_UPI0003EAF65A	V L K S S A T F Q S T IV A G S P P I I S II T W L K D D	QILLDED
UniRef90_A0A016SB32	V L K S S A T F Q S T V A G S P P I S I T W L K D D V L K S S A T F Q S T V A G S P P I S I T W L K D D K E G E V I S F E C E V E G W P E P E L V W L V D D Q P L R P	S H D F K
UniRef90_F7EAV6 UniRef90_Q8WZ42-12	I S G E S L E L Q A V I E G S Q P I S V L W L K E K E D V I R E L P G K N V T F T S V I R G T P P F K V N W F R G A R E L V K G L P G K N V T F T S V I R G T P P F K V N W F R G A R E L V K G	S E N I K I
UniRef90_Q8WZ42-12	KEGEVISFECEVEGWPEPE LVWLVDDQPLRPISGESLELQAVIEGS QPISVLWLKEKEDVIRELPGKNVTFTSVIRGTP PFKVNWFRGARELVKGLPGKNVTFTSVIRGTP PFKVNWFRGARELVKGLPGSHVSIPCOASGEPVPSIT WIKDGTPIF	D R C N L Y
UniRef90_UPI000298DB72 UniRef90_UPI00034FDD61	TLGSHVSLPCQASGFPVPSIT WLKDGTPI E LPGITTLFCRAHGFYPPEISMMWKNGEELVQE RENQDLSLNC VVGNAKPAAQIIWYRGNVEFQQG VLRNGLSTTFECQITGTPEIRVSWYLDGNEITAL TKHAPAVITCTASGVPFPSI HWTKNGI TTGDTCTLECTVAGTP ELSTKWFKDGK TTGDTCTLECTVAGTP ELSTKWFKDGK ELGEPNVLICFVDKFSPPVLSMTWLKNGQEVTGG TAHTQASLPCEASGSP KPLVVWRKNGQEVTGG	SSLQWQ VDGDII
UniRef90_W8ASK6	RENODLSLNC VVGNAKPAAQI I WYRGNVEFQQG	QRVDKV
UniRef90_UPI00045DB826 UniRef90_UPI0002742CC9	<u>V LIK N GILIS I I F E I<mark>U</mark> QILII G I P E II IRIVI</u> S W Y ILID G N E ILIT A ILI T K H A P A  V I  T <mark>C</mark> T A S G  V  P F P S II   H W T K N G II	QKHGIS RLL
UniRef90_UPI00045D890A	TTGDTCTLECTVAGTP ELSTKWFKDGK	ELTSDN
UniRef90_UPI00045D890A UniRef90_UPI00042B9BE0	ELGEPNVLL <mark>C</mark> FVDKFSPP <u>VLS</u> MTWLKNGQEVTGG	VSTDFY
UniRef90_UPI00045D9AED UniRef90_H0XAK9	TAHTQASLPCEASGSPKPLVVWRKDGQKLDFRVVNNFISLTCEVSGFPPPDLSWLKNEQPIKLSAINKKVHLECQVDEDRKVTVTWNKDGQKLPPGAINKKVHLECQVDEDRKVTVTWNKDGQKLPPGAINKKVHLECQVDEDRKVTVTWNKDGQKLPPG	LQRDTY
UniRef90_UPI0003F0CD41	AI NKKVHLE <mark>C</mark> QVD EDRKVTVT WNKDGQKLPPG	KDYKIY
UniRef90_UPI0003F0CD41	ALLINKKUHLECQVD EDRKVTVTWNKDGQKLPPG	K D Y K L Y
UniRef90_UPI0004441A21	A V G E E A M L A C E P S G V P P P R V I WY R G G R E M I R A	r E G

```
190
V A T
V V G
Q A E
Q I K
V V E
Q A K
Q A K
K V D
K V D
K V S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N P A G E E

H V S L H T S

H R G G T S

N D G

H Q G

N E S

N E S

H W G L E R P L

H W G L E R P L

H W G L E R P L

H W G L E R P L

H W G L E R P L
UniRef90_M7CDE5
UniRef90_U3KM76
UniRef90_G7VQD0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     00000000000
UniRef90_G7YQD0
UniRef90_M3XTP2
UniRef90_F6JYA9
UniRef90_E9Q8K5
UniRef90_E9Q8K5
UniRef90_UPl00032B223D
UniRef90_V8NGQ3
UniRef90_UPl0003D07FFE
UniRef90_Q6UWL6
UniRef90_A2ASS6
UniRef90_H3ADQ7
UniRef90_H3ADQ7
UniRef90_UPl0002C43C30
                                                                                                                                                                                                        ARCNVSLQDSVELRLNGRLSLRSSFRNNVATFRNN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      D V D T S Q S
R V L Q K D A
Q V D S H D S
Q V D S H D S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Y T C L V S
Y R C E V T
Y I C R A E
Y I C R A E
                                                                                                                                                                                                                                                                                                                                                                                                                 LELF
IHFE
LVFN
LVFN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NEAGRAS<mark>C</mark>T
NVAGA
T
NS
NS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              G E
G R
G E
G E
 UniRef90_UPI0002C43C30
UniRef90_UPI0002C43C30
                                                                                                                                                                                                 PREDHLFRKFHYLPFLPSA NDVYY
CQSSFSENV CTLNLSFLEPSDTGTY
NNG SLAIJYGTVNEDAGDYR
RQADNGFYKFSYLPFIPT RGDYY
RCNISLEDSVAELELFDVETTQSGEY
RCNISLEDSVAELELFDVETTQSGEY
RCNISLEDSVAELELFDVETTQSGEY
RCNISLEDSVAELELFDVETTQSGEY
RCNISLEDSVAELELFNIDISQSGRY
DHG SRLKINSAQVQDSGRY
DSQPVTFKVTSTLTITEDDWLGQKYS
PNGDGTYQGQVVLSVPLGEEQR
SRLKINSAQVQDSGRY
FED TVAELELFNIDISQSGEY
GLHGGHISM SNLTLLVRREDNGLTL
FED TVAELELFNIDISQSGEY
GLHGGHISM SNLTLLVRREDNGLTL
FED TVAELELFEVEPLQSSGDYS
LEDS IAELELFEVEPLQSSGDYS
LEDS IAELELFEVEPLQSSGDYS
PNDDGTYQLRKSVELFTSLNKTDNGTYS
PRE PGAR TLQIPRAKLSDDGEY
PGAR TLQIPRAKLSDDGEY
PRE PGAR TLQIPRAKLSDDGEY
PNE DGTFQKMASUVLPSGKEQ KF
PNE DGTFQKMASURVTPDEWKN NQYS
SENIYTF
QNG SLTIHRTERDAGGYS
PNE DGTFQKMASUVLPSGKEQ
PRYDGTFQKMASURVTPAE
GDGTFQKMASURVTPAE
GDGGQ
PRYDGGTFQKMASURVTPAE
GDGGQ
PRYDGGTFQKSTHLTVTPEEWKK TQYO
CS MTTTEKSGILEILNSTKDDEGVY
COSSFSENIYTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KVEHRGLEEPLL
VAAANVA
I ATNDAG
VV
VAENS
RVEHWGLREPL
I VSNEA
I V
 UniRef90_G3RW78
UniRef90_M3YE18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DVYTK
GTYYSD
GGKYYTT
GGKYYTT
GETTTY
SGGDYYTT
GGDYYTT
GGDYYTT
GGATY
 UniRef90_UPI0003C91E9C
UniRef90_H3AZ49
 UniRef90_K7H009
UniRef90_UPI000350D02D
SCEIENEA
TCTVQH
TCTVQHEGLYQPLT
SCVVEHQG
RCEASNVMSQTPL
QCLAENE
VVCTASNSAGQD
TCEAANPLGKDFT
TCLAQSPAGE
VQCVVQVTGIKEDII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      UniRef90_K9.0F1
UniRef90_UPI00046C0F6D
UniRef90_UPI00046C0F6D
UniRef90_UPI00046C17FE
                                                                                                                                                                                                                                                                                                                                                                                                                                                  UniRef90_UPI00046C17FE
UniRef90_UPI00046BF829
 UniRef90_UPI00046BF829
UniRef90_UPI00046BFC9C
UniRef90_UPI00046BF829
UniRef90_UPI00046BC9C
UniRef90_UPI00046C0B7B
UniRef90_UPI00046C0B7B
UniRef90_UPI00046C2405
UniRef90_UPI00046C2405
UniRef90_UPI00046C2405
UniRef90_UPI00046C2405
UniRef90_UPI00046BCD4
UniRef90_UPI00046BECD4
UniRef90_UPI00046BFD94
UniRef90_UPI00046BFD94
UniRef90_UPI00046BFE72
UniRef90_UPI00046BFE72
UniRef90_UPI00046BFE72
UniRef90_UPI00046BEBA
UniRef90_UPI00046BEBA
UniRef90_UPI00046BEBA
UniRef90_UPI00046BEBA
UniRef90_UPI00046BEBA
UniRef90_UPI00046BEBA
UniRef90_UPI00046BEBA
UniRef90_UPI0003EAF65A
UniRef90_UPI0003EAF65A
UniRef90_UPI0003EAF65A
UniRef90_UPI0003EAF65A
UniRef90_UPI0003BAF65A
UniRef90_UPI0003BAF65A
UniRef90_UPI0003BAF65A
UniRef90_UPI0003BAF65A
UniRef90_UPI0003BAF65A
UniRef90_UPI0003BAF65A
UniRef90_UPI0003BAF051
UniRef90_UPI0003BAF051
UniRef90_UPI0003BAF051
UniRef90_UPI0003BAF051
UniRef90_UPI0003BB72
UniRef90_UPI0003BB72
UniRef90_UPI00045DB826
UniRef90_UPI00045DB826
UniRef90_UPI00045DB80A
UniRef90_UPI00045B890A
UniRef90_UPI00045B890A
                                                                                                                                                                                                                                                                                                                                                                                                                                  EL GPL
EL KPTAA
EIFAAA
KIIKVV
PFLPS
LLTDP
QILRAA
EIPLAA
RIRAT
                                                                                                                                                                                                                                                                                                                                                                                                   AGGYATSST
UniRef90_UPI00045D890A
UniRef90_UPI00045D890A
UniRef90_UPI00042B9BE0
UniRef90_UPI00045D9AED
UniRef90_UPI0003F0CD41
UniRef90_UPI0003F0CD41
UniRef90_UPI0003F0CD41
                                                                                                                                                                                                                                                                                                                                 K I A
K I A
S S S G
```

UniRef90\_UPI0004441A21

UniRef90	M7CDE5					
UniRef90_	U3KM76					
UniRef90_	_G7YQD0					
UniRef90_	_M3XTP2			_	\	/
UniRef90_ UniRef90	_F6JYA9 _E9Q8K5		K	S	VT	K
UniRef90	_E9Q8K5 E9Q8K5					
UniRef90	UPI00032B223D					
UniRef90_	V8NGQ3					
UniRef90_	UPI0003D07FFE					
UniRef90_	_Q6UWL6	_	_			
UniRef90_	_A2ASS6	Ţ		_		
UniRef90_	_H3ADQ7	N	K	ı	V S	V_
UniRef90_ UniRef90	_UPI0002C43C30 _UPI0002C43C30					
UniRef90	G3RW78					
UniRef90	M3YE18	K				
UniRef90	UPI0003C91E9C					
UniRef90_	H3AZ49	Ε	R	S	V T	· [T
UniRef90_	_K7H009					
UniRef90_	_UPI000350D02D					
UniRef90_ UniRef90	_UPI000344797A _UPI000344797A					
UniRef90_	_UP1000344797A H2M0W7	F	ĸ	N	ΥN	ιП
UniRef90	H0W9L9	_	1	11		• 🗀
UniRef90	G5BQE5					
UniRef90_	UPI0002656527	Т	R			
UniRef90_	_UPI0002656527	Т	R		_	_
UniRef90_	_UPI00034F2DB8	K	K	S	L_T	LN
UniRef90_	_UPI0003F18492					
UniRef90_	UPI0003F18492	V	v		VS	
UniRef90_ UniRef90	_W5KCI6 _M4A7Z7	n	n	0	V S	•
UniRef90	U3IV84					
UniRef90	W5UEY3					
UniRef90_	F6VG02					
UniRef90_	D0QYP6		_			
UniRef90_	_UPI0003D71730	L	R	٧	V	
UniRef90_	J7FSP0					
UniRef90_ UniRef90	_B4JVD6 Q8NDA2					
UniRef90_	UPI0002A4BA7B	Q	ĸ	S	FΠ	LS
UniRef90	F1QNN0	Ť	Ŕ	·		
UniRef90	W2SIG1	Н	S	Н	V	IVN
UniRef90_	UPI0003EE0BC2	Е	Κ	S	FF	<b>V</b>
UniRef90_	_D7EZP5					
UniRef90_	_K9J6F1					
UniRef90_ UniRef90	UPI00046C0F6D					
UniRef90	UPI00046C0F6D UPI00046C17FE					
UniRef90	UPI00046C17FE					
UniRef90_	UPI00046BF829					
UniRef90_	UPI00046BF829		r			
UniRef90_	_UPI00046BFC9C	V	K			
UniRef90_	_UPI00046C0B7B					
UniRef90_	_UPI00046C0B7B	V	v	v	\ / C	· [ ] +
UniRef90_ UniRef90	_UPI00032AD4AA _UPI00046C2405	n	n	n	V	L T
UniRef90	UPI00046C2405					
UniRef90_	Q8WZ42					
UniRef90_	Q8WZ42					
UniRef90_	UPI00046BECD4					
UniRef90_	_UPI00046BECD4					
UniRef90_	_UPI00046BFD94					
UniRef90_ UniRef90_	_UPI00046BFD94 _UPI00046BFEF2					
UniRef90	UPI00046BFEF2					
UniRef90	UPI00046C23F5					
UniRef90_	M3ZJI9					
UniRef90_	UPI00046BEE8A					
UniRef90_	UPI00046BEE8A					
UniRef90_	F6WWQ9					
UniRef90_ UniRef90	_UPI000298A481 UPI0003EAF65A					
UniRef90_	UPI0003EAF65A					
UniRef90_	_A0A016SB32					
UniRef90_	F7EAV6					
UniRef90_	Q8WZ42-12	Т	R			
UniRef90_	Q8WZ42-12	Τ	R			
UniRef90_	UPI000298DB72					
UniRef90_	UPI00034FDD61	D	c	_	\/\c	ە∟ە
UniRef90_ UniRef90	_W8ASK6 UPI00045DB826	ĸ	3	ı	V.	Q L S
UniRef90_	UPI00045DB626 UPI0002742CC9					
UniRef90_	UPI00045D890A		Α	s	V	Q V S
UniRef90_	UPI00045D890A		À	Ś	V (	ù V Ś
UniRef90_	UPI00042B9BE0	K				
UniRef90_	UPI00045D9AED	1.0				
UniRef90_	H0XAK9	K	K	K	ıS	S L T
UniRef90_ UniRef90	_UPI0003F0CD41 UPI0003F0CD41					
	UPI0003F0CD41					

	1 10	20	30 40
UniRef90_T0M664 UniRef90_UPI0003506D4A	P P K F [ K K P E A L R F V		
UniRef90_UPI00046B0B16 UniRef90_M7AMC7			
UniRef90_M7AMC7 UniRef90_F7BJ65	<u> </u>	KIQETVGSPVTF PTGGT <u>AI</u> LK <mark>C</mark> TV	D C R I N G S E P I Q V S W D C R I N G S E P I Q V S W Q E H Q E S S L Q W A G E P M P T I R W S Y Q Q K S N R V K R I L Y S G I P R P N I I W A C P A R G S P P I Q I N W
UniRef90_F1KPF6 UniRef90_UPI0003502083	FVTPLEDVD V	PEGDTLTLK <mark>C</mark> KV VESGTARVPCQT	A G E P M P T I R W S Y Q Q K S N R V K R I L Y
UniRef90_UPI0003F10774 UniRef90_F7ALJ3	V K P L P S T V Q V L V P P T I E R G	V	S G I P R P N I I W A C P A R G S P P I Q I N W
UniRef90_UPI0003C16A28 UniRef90_UPI000440E5CE			
UniRef90_B3F8V1 UniRef90_UPI00021A78AF	A E <mark>C Q</mark>	YLNGTERVRLVV PGDQFVL	DWILLINDEOVELLEDC
UniRef90_G3TES9 UniRef90_UPI000383631A	PPVFVKRLEPKILW VHLPPSILGEEQ NVYVLPPEREVVV  SDRLVPPSFSRKL SDRLVPPSFSRKL TA	L	RA PGSTVQW KGS PELHVTW
UniRef90_UPI000273C9A6 UniRef90_G5C6C4	V H L P P S I L G E E Q N V Y V L P P E R E V V V	N	E C Q S Q A V P P P V L T W T G I P P P M I T W
UniRef90_UPI0003C2923A UniRef90_UPI000395814A	SDRLVPPSFSRKL	E Q V <mark>H V G <mark>C</mark> S L E T N G V L G S S V L L</mark>	R G D V L G D Q K F Q Y E <mark>C</mark> K V S G T A P I S V S W
UniRef90_UPI000395814A UniRef90_UPI0003832471	SDR <u>LV</u> PPSFSRK <u>L</u> TA	E T N G	E C K V S G T A P L S V S W M G L P P P R L Q W
UniRef90_F7HYH5 UniRef90_UPI000386FD62	PPVIHT QPGALDVI	MNN	P C E A T G T P R P V V T W
UniRef90_G1NAX9 UniRef90_H2RMU8	PAVFVKKLS DQY	V S A A V N D P V R L	E C QVN E D I G V T I T W
UniRef90_E1B9K4 UniRef90_H3AWY7	FVIQPQNTE V	L V G E S V T L E C S A	A G Q P Q P R I S W
UniRef90_H2RMV0 UniRef90_A5X6X5 UniRef90_H2RMV1	PPVLVKPLSPLE V	VNGSNAYFECLV	P C E A T G T P R P V V T W E G T Y T G S L P I S V T W E C Q V N E D I G V T I T W E C R S H A V P P P V L S W S G S Q P M S V S W K G T A P F E V T W K C K V A G T P E I K V S W
UniRef90_H2RMV1 UniRef90_Q4RJ20 UniRef90_I3JNX8	IVSILPPIFVEIL	P WEWIAGDAMOL	CETNAVPPPTLTW
UniRef90_I33NX6 UniRef90_Q4S2G3 UniRef90_G3WNW6	VPPT[EDDV	T A VT A VK M S VA L	PCHVQGRPQPTVVW
UniRef90_UPI0003834F84 UniRef90_UPI0003834F84	V F D T K P E S I D V V F D T K P E S I D V	P F G E S A D F E C H V	T CNAT GHPQPT VTW T G A Q P T G A Q P L H L T W L H L T W
UniRef90_Q5Y7F8 UniRef90_UPI0003959B1E		,	
UniRef90_R0K6C9 UniRef90_U3J2U5	LPPSFTQKV PAVIL EKTE	RVHETIGLPVTF PITVMAGNPFTL	DCGIAGSEPIEVSW ECKVGGTPELITKW
UniRef90_U3J2U5 UniRef90_H0W491	P A V I L E K T E	PITVMAGNPETL PITVMAGNPETL	VI MIC
UniRef90_UPI0003C427A4 UniRef90_UPI000351103D		MVN D S L R I P C H A T E R D P V T L	T G F P A P A V Q W E C T V E G T P E L R I R W
UniRef90_UPI000351103D UniRef90_UPI00020602AF	PPHIKE Y	T E R D P V T L T E R D P V T L F N D N T P G V S L H L P Q G A D L T L V C S V I V N R T A S E T V T V L F S T L E G L P V T L	E C T V E G T P E L R I R W K C L A S G N P T P E I N W
UniRef90_G4SLH0 UniRef90_UPI0004448461	PRFRMQLPTPRE V	PQGADLTLVCSV IVNRTASETVTV	S G T P H P N I K W T C E A S G D P T P T I S W
UniRef90_H9KZA3 UniRef90_G3FMK6			
UniRef90_UPI0004571929 UniRef90_UPI0003946A88	PPTFVLKPDPTVLV PAAFKEKLEPTHLI PAAFKEKLEPTHLI	K K G G Y A E L T C E V	IT G T P E II IK II IT W
UniRef90_UPI0003946A88 UniRef90_UPI0003AF2D8E	P P I V I F I V I S K P D P M T I L	IYIVIG K Q AIVIF Q C SIL	IT G S S P M E IV V IW
UniRef90_UPI0003593EF2 UniRef90_UPI0003F17794 UniRef90_UPI0003F17794	LPPSFARKL	KVQETLGFPVAF	E G W P V P R V T W E C R I N G S E P L Q V S W E C R I N G S E P L Q V S W
UniRef90_UPI0002C68785 UniRef90_B0S758	V P P T F E K T E	MV S Q V A G R P L V L	T C D V T G V P A P T V T W E C K V S G T P E K V K W E C K A S A L P P P V L T W
UniRef90_UPI000240D088 UniRef90_UPI0003C10936	Ē V P P G I K D H S	GTSVTVĞTPVML	ECKASA PPVITW YQSYDGAGOFTY
UniRef90_G3NXU8 UniRef90_A8JYJ5	E C Y	F E N G T E HIVIR FIVIE	Y Q S Y D G A G Q F T Y T G H K V D P S L L S A L W R H F Y N R Q E F M R F D S
UniRef90_UPI00046B8D25 UniRef90_U4UG21	P SIV I IG A G A A O F IV I IG	II IA G A OIVIEII IE C R T	S GIVI P T P QIVIF W
UniRef90_F1MAA0 UniRef90_F6ZEZ0	LEPATIVEPE	SIKVTTGDT <mark>C</mark> TL SLSASVGDRVTI	CAVSKGDFPLKVTW ECMVSGTPELSTKW TCRASQGLSSCLAW
UniRef90_S4RBA9 UniRef90_UPI0000221331	PPSFLMKMEPQEVL TVLLHAAPQFIVK	S G S R A T F Q C A V P K N T T A A V R A V I	T CRASQG S CLAW SGTEP L V K W R CSAAGPPNPVITW
UniRef90_F6RHB6 UniRef90_UPI0003B6C58B	L L P P A F E I T S V I P P S F I K P L	JL V N E T L E M D C T V V E M Q E L L G S F V I	A VTGSPAPTISW CCKISGSLPISVEW SCETDSVPEPVVTW
UniRef90_UPI00032ADB80 UniRef90_UPI0003C117F9	S <u>VLVPPPSSGPQE</u> PVPNVTV	MVPVQAGDKAIL SPGETAILS <mark>C</mark> LV	LSEAPYN LTW
UniRef90_J7FQR5 UniRef90_I3LLF9	L V Y P L T S C C K	T G A T S K T L G <mark>C</mark> L V	R G Y F P E P VT VT W
UniRef90_A9YLB9 UniRef90_K4G6J7 UniRef90_UPI0003F10754		SLVWLC	QDEAPDKQDVEVDW
UniRef90_UPI0003F10754 UniRef90_H0V221 UniRef90_UPI000329BE8C	PPYFIEPLEHVEAA	I G E P V T L Q C K V	DGTPEIRISW SCTAOGSSRMOFOW
UniRef90_UPI000329BE6C UniRef90_UPI0003C157C0 UniRef90_UPI00042C4E7B	EVHVAPVIKAESS VITVOASPVVKP	S V S V S L N Q P T L L	S C T A Q G S S R M Q F Q W P C T A E G F P A P T V M W P C E A S G D P R P S D T W
UniRef90_V8N6H0 UniRef90_UPI00022F4357			PCNAHGSPP <u>P</u> SIITW
UniRef90_UPI0003C13867 UniRef90_A9JTT1	FOAO	SINATEGDPATI	O C R F S G T K F I K A K W
UniRef90_T1IX56 UniRef90_UPI000388E3EB	PPFVREMA VPPTIADDH	KISVVDGTNIKI TFTATRMSPVVL	KRDSSDSSVVHWYMPCPVVGHPLTSITW TCYASGVPAPAVSW
UniRef90_G1PQB8		S P G E T A V L S <mark>C R</mark> V	
	PPTFRQPPSPHDVI	I VR AGDKAVI	NCETDSIPEPTVTW

UniRef90\_T0M664 UniRef90\_UPI0003506D4A UniRef90\_UPI00046B0B16 T K Q K WE N R L H M S F V E S T A V L T V L D A S A E DA YKNDQVLQAS H K D G V L L H D D D N V Q A T F L N N V A T L Q I L Q T D M A H C N K D G V L L H D D D N V Q A T F L N N V A T L Q I L Q T D M A H C S N T A Q Q T L Y F G E K R A L R D N R I Q L V H S S T I S I S N V V L S D E E K D G V E L Q K S D R L V M R A A L D G T L T L R V L D T K K S D A Y H Q E K I N Y D E G F S K T K F D S E K Q N D F G F T L I I Q D I K S E D E Q K E G L S I P A G A S T Q I F P S G Q L R I L H A S K E D A L K D G L P M P L S Q R T H L H S S G R T L R I S Q V Q V A D A UniRef90\_M7AMC7 UniRef90\_M7AMC7 UniRef90\_F7BJ65 UniRef90\_F1KPP66 UniRef90\_UPI0003502083 UniRef90\_UPI0003F10774 UniRef90\_F7ALJ3 UniRef90\_UPI0003C16A28 UniRef90\_UPI000440E5CE UniRef90\_B3F8V1 G EKGKLHICTGGRFKTAEDDVGLFVADTPLGEPQAQYYKDNMLVNMRELWYRHLPAKDGLLLPRIPSFPRYRLFLNDKPLNSSEKHKITFKRKDGHPLYTRPGLKNHKPLENSDSLEVHILAYDGEDFLNFDIFQDGNEIVSGEKHEISFLKDGYPLHEQDGVVVSDD D S R UniRef90\_UPI00021A78AF UniRef90\_G3TES9 UniRef90\_UPI000383631A UniRef90\_UPI000273C9A6 UniRef90\_G5C6C4 UniRef90\_UPI0003C2923A UniRef90\_UPI000395814A UniRef90\_UPI000395814A UniRef90\_UPI0003832471 UniRef90\_F7HYH5 UniRef90\_UPI000386FD62 UniRef90\_G1NAX9 UniRef90\_G1NAX9 UniRef90\_H2RMU8 UniRef90\_E1B9K4 UniRef90\_H3AWY7 UniRef90\_H2RMV0 UniRef90\_A5X6X5 UniRef90\_H2RMV1 UniRef90\_Q4RJ20 UniRef90\_I3JNX8 UniRef90\_Q4S2G3 UniRef90\_G3WNW6 UniRef90\_Q452G3 UniRef90\_G3WNW6 UniRef90\_UPI0003834F84 UniRef90\_UPI0003834F84 UniRef90\_Q5Y7F8 UniRef90\_UPI0003959B1E UniRef90\_R0K6C9 UniRef90\_U3J2U5 UniRef90\_U3J2U5 UniRef90\_H0W491 UniRef90\_UPI0003C427A4 UniRef90\_UPI000351103D UniRef90\_UPI000351103D UniRef90\_UPI00020602AF UniRef90\_G4SLH0 UniRef90\_UPI0004448461 UniRef90\_H9KZA3 UniRef90\_G3FMK6 UniRef90\_UPI0004571929 UniRef90\_UPI0003946A88 UniRef90\_UPI0003946A88 UniRef90\_UPI00033452086 UniRef90\_UPI0003AF2D8E UniRef90\_UPI0003593EF2 UniRef90\_UPI0003F17794 UniRef90\_UPI0003F17794 UniRef90\_UPI0003F17794
UniRef90\_UPI0002C68785
UniRef90\_B0S758
UniRef90\_UPI000240D088
UniRef90\_UPI0003C10936
UniRef90\_G3NXU8
UniRef90\_A8JYJ5
UniRef90\_UPI00046B8D25
UniRef90\_U4UG21
UniRef90\_F1MAA0
UniRef90\_F6ZEZ0
UniRef90\_U4UG21
UniRef90\_F6ZEZ0
UniRef90\_UPI0000221331
UniRef90\_UPI0003B6C58B
UniRef90\_UPI00032ADB80
UniRef90\_UPI0003C117F9 A E V D
S H L G D E G
V D S T H C G D F G
V A P G D S G
V A F G D S G
V A F A G
V A F A G
V A F A G
V S T S D S G
V S T S D S G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G G
V S T P S D G UniRef90\_UPI0003C117F9 UniRef90\_J7FQR5 UniRef90\_I3LLF9 UniRef90\_A9YLB9 UniRef90\_K4G6J7 UniRef90\_UPI0003F10754 DTGSLNSST KVNGYEQFG DVYYMDFQQ QYAYD YKEHTKLRS YKDGASVNT RKDGSLL QKEGLSVPA UniRef90\_UPI0003F10/34 UniRef90\_UPI000329BE8C UniRef90\_UPI0003C157C0 UniRef90\_UPI00042C4E7B UniRef90\_UPI00042C4E7B UniRef90\_UPI00022F4357 UniRef90\_UPI0003C14357 UniRef90\_UPI0003C13867 UniRef90\_A9JTT1 UniRef90\_T1lX56 UniRef90\_UPI000388E3EB UniRef90\_G7BYF1 UniRef90\_G1PQB8 Q E S

```
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 
UniRef90_T0M664
UniRef90_UPI0003506D4A
UniRef90_UPI00046B0B16
UniRef90_M7AMC7
UniRef90_M7AMC7
UniRef90_F7BJ65
UniRef90_F1KPP66
UniRef90_UPI0003502083
UniRef90_UPI0003510774
UniRef90_UPI0003F10774
UniRef90_UPI0003C16A28
UniRef90_UPI000440E5CE
UniRef90_B3F8V1
UniRef90_UPI00021A78AF
UniRef90_G3TES9
UniRef90_UPI000383631A
UniRef90_UPI000273C9A6
  UniRef90_G5C6C4
UniRef90_UPI0003C2923A
 UniRef90_UPI000395814A
UniRef90_UPI000395814A
UniRef90_UPI0003832471
UniRef90_F7HYH5
UniRef90_UPI000386FD62
UniRef90_G1NAX9
UniRef90_G1NAX9
UniRef90_H2RMU8
UniRef90_E1B9K4
UniRef90_H3AWY7
UniRef90_H2RMV0
UniRef90_A5X6X5
UniRef90_H2RMV1
UniRef90_Q4RJ20
UniRef90_I3JNX8
UniRef90_Q4S2G3
UniRef90_G3WNW6
UniRef90_Q452G3
UniRef90_G3WNW6
UniRef90_UPI0003834F84
UniRef90_UPI0003834F84
UniRef90_Q5Y7F8
UniRef90_UPI0003959B1E
UniRef90_R0K6C9
 UniRef90_U3J2U5
UniRef90_U3J2U5
UniRef90_H0W491
 UniRef90_UPI0003C427A4
UniRef90_UPI000351103D
UniRef90_UPI000351103D
UniRef90_UPI00020602AF
UniRef90_G4SLH0
UniRef90_UPI0004448461
  UniRef90_H9KZA3
 UniRef90_G3FMK6
UniRef90_UPI0004571929
  UniRef90_UPI0003946A88
UniRef90_UPI0003946A88
UniRef90_UPI00033452D8E
UniRef90_UPI0003593EF2
UniRef90_UPI0003F17794
UniRef90_UPI0003F17794
UniRef90_UPI0003F17794
UniRef90_UPI0002C68785
UniRef90_B0S758
UniRef90_UPI000240D088
UniRef90_UPI0003C10936
UniRef90_G3NXU8
UniRef90_A8JYJ5
UniRef90_UPI00046B8D25
UniRef90_U4UG21
UniRef90_F1MAA0
UniRef90_F6ZEZ0
UniRef90_U4UG21
UniRef90_F6ZEZ0
UniRef90_UPI0000221331
UniRef90_UPI0003B6C58B
UniRef90_UPI00032ADB80
UniRef90_UPI0003C117F9
UniRef90_UPI0003C117F9
UniRef90_J7FQR5
UniRef90_I3LLF9
UniRef90_A9YLB9
UniRef90_K4G6J7
UniRef90_UPI0003F10754
 UniRef90_H0V221
UniRef90_UPI000329BE8C
UniRef90_UPI0003C157C0
UniRef90_UPI00042C4E7B
UniRef90_UPI00042C4E7B
UniRef90_UPI00022F4357
UniRef90_UPI0003C14357
UniRef90_UPI0003C13867
UniRef90_A9JTT1
UniRef90_T1lX56
UniRef90_UPI000388E3EB
UniRef90_G7BYF1
UniRef90_G1PQB8
```

UniRef90\_UPI0003AE2BC9

	130 140 150 160
UniRef90_T0M664	APGKTRTLKCLAYDFYPRGI RLHWTQPGNVQETESGGDVL
UniRef90_UPI0003506D4A UniRef90_UPI00046B0B16	LKGSDVILQ <mark>CEI</mark> AGTPPFEVAWFKD RRQVRSSKK NTREPVMLACYVWGFYPADVIITWRKNGQPIIPHSSKTAQ
UniRef90_M7AMC7	ALGASGSFK <mark>CHVTGSA PLKVTWAKENRDIRPGGNYKI</mark> T
UniRef90_M7AMC7 UniRef90_F7BJ65	ALGASGSFKCHVTGSA PLKVTWAKENRDI RPGGNYKI T
UniRef90_F1KPF6	NDKARLRCTTSGSKPAAL IKWYKGPEELEGAKTSVLE RMGTKAEFAVKVRGFPRP TLRWYLNGKEITQEEGITVE
UniRef90_UPI0003502083 UniRef90_UPI0003F10774	MELGOGILIYILICILLENEEPDIVLIQIVVIWKSGDODILIPSEOOGIVIPD
UniRef90_F7ALJ3	V R G S D V T L P C F A R G S P L P A V S W L K D G A S L M L Q R L G L G S
UniRef90_UPI0003C16A28 UniRef90_UPI000440E5CE	MLGQPNTLICHVDNIFPPVINITWLKNGHVTEGVSETSFL GLGGDVTFFCRVAARPTAN_ FEWEKDGRYLGETN
UniRef90_B3F8V1	L P Q I D R L V C A V M D F Y P A Q I E V K W F Q N G R E T E R V V S T D V I
UniRef90_UPI00021A78AF UniRef90_G3TES9	DKGTNIQLTCMTPNVPNIGIGFGWTKNKALLKLELGSEVWWVAGQEYVVSCVTGDAKPAADIAFLQSGQTISGISANVNAVKGCTAHLECEMTGTAPFEI TWFKDKNP VSSDTK
UniRef90_UPI000383631A	VKGCTAHLECEMTGTAPFEI TWFKDKNP VSSDTK
UniRef90_UPI000273C9A6 UniRef90_G5C6C4	I E GHAI SL S C E C R G I P F P K I T WKK D G M L P M D R G S T E P L L G E D V E L V C D A H G I P A P V I Q WL R D G K S I A N E E T E K I Q A P D G S T T L S C H V R D F Y P R P I L P G S N V T F T S Y I K G S T P F K V L P G S N V T F T S Y I
UniRef90_UPI0003C2923A	APDGSTTLSCHVRDFYPRPI HVS WVQEGGELLLETTGGLL LPGSNVTFTSYLKGSTPFKV TWFRGIRELVPDS
UniRef90_UPI000395814A UniRef90_UPI000395814A	L P G S N V T F T S Y I K G S T P F K V T W F R G I R E L V P D S
UniRef90_UPI0003832471 UniRef90_F7HYH5	LIENSTIVISME <mark>U</mark> LIASGILIPAPGII II WYKEDEQILISEGPGKM
UniRef90_UPI000386FD62	PIVID Q AIVIT II IQ C F A F G Y P F P F II IS WHKD G Q QII IT F S II IR R R II I I
UniRef90_G1NAX9 UniRef90_H2RMU8	SIVIG D Y T T II IQ C HIVIA G T P FII IT IVIS W Y K G D T K II IR S T P F Y K IVIF
UniRef90_E1B9K4	TEGHPARLSCDCRGVPFPKI SWKKDGQPLPGEGVSLAQ
UniRef90_H3AWY7 UniRef90_H2RMV0	DEGDKMSILIKCHIVICGSA PILITIVIQWMKDRKEILVISAGNTRILIS
UniRef90_A5X6X5 UniRef90_H2RMV1	VLGKMVEFKCVVRGSPPLSII QWQKDESWILEDPSIQRTFE
UniRef90_Q4RJ20	VLGKMVEFKCVVRGSPPLSIQWQKDESWILEDPSIQRTFE TEGQPVRFECRLAGSS SLEVSWLKDGEPLKEGGDFSML LVNKTTQLECHADGNPAP RVSWFQDSQPVR
UniRef90_I3JNX8 UniRef90_Q4S2G3	QKTPSSPVTCHATGFYPDRAEMMWKKDGEEHEGVEIGEIL VLHHGTVLPCEAQGFPRPSI TWQREGVSIATGHRLSVL TVNNPISLICEALAFPSPNI TWMKDGAPFQASGNTQLL
UniRef90_G3WNW6	TVNNPISLICE ALAFPSPNI TWMKDGAPFQASGNTQLL
UniRef90_UPI0003834F84 UniRef90_UPI0003834F84	KQGDTVQLECKISGTP EIRTVWYKNDQALQASDRFHMS KQGDTVQLECKISGTP EIRTVWYKNDQALQASDRFHMS TLGQPNILICLVDNLFPPVVNNTTWLSNGHVTEGVSETSFL
UniRef90_Q5Y7F8	TILIGOPNILLICI VIDNILEPPIVVINILITWILISNGHIVITEGIVISETSEILI
UniRef90_UPI0003959B1E UniRef90_R0K6C9	GTLILSCHVYGFYPNTIAVNWMKGGEI WDQEEWGGIV IIGESADFECHISG TQPIRVTWAKDNQEIRTGGNYQVS
UniRef90_U3J2U5 UniRef90_U3J2U5	GTLILSCHVYGFYPNTIAVNWMKGGELWDQEEWGGIVIGESADFECHISG TQPIRVTWAKDNQEIRTGGNYQVSVLGSSVLLECKVSGTS PISVAWFQDGNEIVSGEKYEISVLGSSVLLECKVSGTS PISVAWFQDGNEIVSGEKYEIS
UniRef90_H0W491	V L G S S V L L E C K V S G T S P I S V A W F Q D G N E I V S G E K Y E I S V L G S S V L L E C K V S G T S P I S V A W F Q D G N E I V S G E K Y E I S I S S G L V T I T C H V Q R F Y P E N V H I I W L E D C H T L K G T A E L V F K
UniRef90_UPI0003C427A4 UniRef90_UPI000351103D	A F R H SIVIFIVIO CILIA I GIVIP IVIP SILIS WWK D GILIAILIO
UniRef90_UPI000351103D	VLGSSIRMECKVSGS LPITAKWFKDGKEITDSAKCRSL VLGSSIRMECKVSGS LPITAKWFKDGKEITDSAKCRSL
UniRef90_UPI00020602AF UniRef90_G4SLH0	VSGENLEVTCPVAGYPLESIT WERDNRQLPINRKQK CEGNEMVLECCVTGKPIPTIT WYKDGLKLIIENRMLQY
UniRef90_UPI0004448461 UniRef90 H9KZA3	WEGNPÜNISCEVKAFPT DVSIVWLRDGLQLPNSNTTNIK ITGDDVTLPCEVKSLPPPLITWAKETQLISP
UniRef90_G3FMK6	
UniRef90_UPI0004571929 UniRef90_UPI0003946A88	VKATDLCLECEVAG TVPFEVTWFKDNKQIRPSKKFQVTLKDSDVVLECEVLGTP PFEVFWVKDDKPLRSSKKHRISLKDSDVVLECEVLGTP PFEVFWVKDDKPLRSSKKHRISLKDSDVVLECEVLGTP PFEVFWVKDDKPLRSSKKHRISLKDSDVLECEVLGTP PFEVFWVKDDKPLRSSKKHRISL
UniRef90_UPI0003946A88	I K D S DIV V I E CEIV I G I P PEEIVE WIV K D D K PII IR S S K K H RII IS
UniRef90_UPI0003AF2D8E UniRef90_UPI0003593EF2	TAQQPATI GCDT WGSPEPHI RWEKDGHPI NIHISP
UniRef90_UPI0003F17794 UniRef90_UPI0003F17794	ALGESGSFK <mark>CHVIGTA PIKITWAKDNREIRPGGNYKMT</mark>
UniRef90_UPI0002C68785	LEGQDVRLDCEAEGQPAPE VVWLKDGGPLGQGVGAHUR
UniRef90_B0S758 UniRef90_UPI000240D088	LIGKNVQLGCKLSGS LPLTVEWEKDGTKLSGRTKHKIL TIJSNPVAFICDATGIP PPTLVWLKNGKPLENSNSLDVH
UniRef90_UPI0003C10936	QLGEPNVLLCIVDNLFPPVINVTWLRNGQPVTQGVTTSFY
UniRef90_G3NXU8 UniRef90_A8JYJ5	V
UniRef90_UPI00046B8D25 UniRef90_U4UG21	I E G H P A R L L C E A R G V P A P D I T W F K D G A L L P P S P E A V Y T R G I N A G E I T T T Q C T V I K G D L P L N I S W Y F N G K P V Q D L H G
UniRef90_F1MAA0	LISGSSVVMECKVFGSP PISVLMLHDGNAISSGRKYQTT
UniRef90_F6ZEZ0 UniRef90_S4RBA9	VKSGTATVV <mark>C</mark> I INGFYPRDAKVKWK
UniRef90_UPI0000221331	VKKNVALITCYEKNQAYSR GVTWEYNGIPMPKNLAGIHF
UniRef90_F6RHB6 UniRef90_UPI0003B6C58B	ILIPNATIVIRYKSTETGTPPETIVI KWEKDDMEILIMTGPT <mark>C</mark> E
UniRef90_UPI00032ADB80	VAGSPLVLACDVSGVPAP I VT WLKDRMPVESSTA
UniRef90_UPI0003C117F9 UniRef90_J7FQR5	SPVT CHAT GFY PS GVT I T WMKN GREHHEDVE GELL
UniRef90_I3LLF9 UniRef90_A9YLB9	DAQATI HLRCYI SGYTPGKMKVTWLVDGQEDRNLFSYTAP
UniRef90_K4G6J7	EWGVMNTL ECHAAGFFPAALEMQWLRNNQKVTEGVNTEYY
UniRef90_UPI0003F10754 UniRef90_H0V221	S Q G M E VR V H C S A S G Y P V P R I S WS K E G H A L Q E D S R V R V D D A Q A T I H L R C Y I S G Y T P G K M K V T W L V D G Q E D R N L F S Y T A P Q K S P S S P V S C H A T G F Y P N S A M M F W R K D G E E H D I V D H G E I L E W G V M N T L I C H A A G F F P A A L E M Q W L R N N Q K V T E G V N T E Y Y T F P G I T T L F C R A Y G F Y P P E I S M T W M K N G E E I I Q E I Y G D I L T L G F P V A F E C R I N G S E P L Q V S W Y K D G V L K D D S N L Q T S Q R G D S L R V R C L S P G N D D I K R Y A Q L Y S W T R N G V L F Q S N P A T T A N V Q A T L T C E V T G I P K P E V T W K K N G K P L N F H L Q T S G S P E P D I T W K K D G O P V S G A F
UniRef90_UPI000329BE8C UniRef90_UPI0003C157C0	QRGDSLRVRCLSPGNDDIKRYAQLYSWTRNGVLFQSNPAT
UniRef90_UPI00042C4E7B	TEGSHALLPCTASGSPEPDI TWEKDGQPVSGAE
UniRef90_V8N6H0 UniRef90_UPI00022F4357	TEGSHALLPCTASGSPEPDI TWEKDGQPVSGAE  LREGDVAVLTCVSSGSKPAAYLRWKKGDKHLTGQSSEVSK LANQRIAFPCPAKGTPKPTIK WLHNGREVTGQEPGVSI IKGSFIHLDCILSGS LPVTIQWHKDEQELLASEKYKMS METGQGLYLCLLENFFPDVIQVVWKSGDQDIPSEQQGVPD
UniRef90_UPI0003C13867	LKGSFLHLDCI LSGS LPVTLQWHKDEQELLASEKYKMS
UniRef90_A9JTT1 UniRef90_T1IX56	
UniRef90_UPI000388E3EB	RVN A GVI L PC E A S G  P R P V V T WQK E G M S I P A G A G F K V L I S T Q K A T L V C L A T G F Y P D H V E L S W W V N G K E V H S G V S T D P Q S Q G V E V R V S C S A S G Y P A P H I S W S R D G H T L Q E D S R G D Q D V A G S P L V L S C D V T G V P A P A V T W L K D R M P V E S S V V
UniRef90_G1PQB8	SQGVEVRVSCSASGYPAPHL SWSRDGHTLQEDSRGDQD
UniRef90_UPI0003AE2BC9	V A G S P L V L  S C D V T G V P A P A  V T W L  K D R M P  V E S S V V

```
190 200

HVE HSSLARPLT

KAMNE

VVEHLGAPEPL

SASNNAGKDS

SASNNAGKDS

AVGHE

TAENE

RYKHEGISK

TAQN

VAINEA

KVEHWGLDEPLL

RAQNP
UniRef90_T0M664
UniRef90_UPI0003506D4A
UniRef90_UPI00046B0B16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0000000000000
UniRef90_UPI00046B0B16
UniRef90_M7AMC7
UniRef90_F7BJ65
UniRef90_F1KPF6
UniRef90_UPI0003502083
UniRef90_UPI0003F10774
UniRef90_UPI0003C16A28
UniRef90_UPI000440E5CE
UniRef90_B3F8V1
UniRef90_UPI00021A78AF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          UniRef90_UPI00021A78AF
UniRef90_G3TES9
UniRef90_UPI000383631A
UniRef90_UPI000273C9A6
 UniRef90_G5C6C4
UniRef90_UPI0003C2923A
UniRef90_G5C6C4
UniRef90_UPI0003C2923A
UniRef90_UPI0003S5814A
UniRef90_UPI000395814A
UniRef90_UPI000395814A
UniRef90_UPI0003832471
UniRef90_F7HYH5
UniRef90_F7HYH5
UniRef90_H2RMU8
UniRef90_H2RMU8
UniRef90_H2RMV7
UniRef90_H2RMV7
UniRef90_H2RMV0
UniRef90_H2RMV1
UniRef90_H2RMV1
UniRef90_UPI0003834F84
UniRef90_UPI0003834F84
UniRef90_UPI0003834F84
UniRef90_UPI0003834F84
UniRef90_UPI0003854F84
UniRef90_UPI0003854F84
UniRef90_UPI0003854F84
UniRef90_UPI0003854F84
UniRef90_UPI0003854F84
UniRef90_UPI0003854F84
UniRef90_UPI0003854F84
UniRef90_UPI0003854F84
UniRef90_UPI0003854F84
UniRef90_UPI0003851F84
UniRef90_UPI0003551103D
UniRef90_UPI0003551103D
UniRef90_UPI00020602AF
UniRef90_UPI00020602AF
UniRef90_UPI00020602AF
UniRef90_UPI000351103D
UniRef90_UPI00020602AF
UniRef90_UPI0004448461
UniRef90_UPI0004448461
UniRef90_G3FMK6
UniRef90_UPI0004571929
UniRef90_G3FMK6
UniRef90_UPI0004571929
UniRef90_UPI0003946A88
UniRef90_UPI0003946A88
UniRef90_UPI0003946A88
UniRef90_UPI000394572D8E
UniRef90_UPI0003593EF2
UniRef90_UPI0003F17794
UniRef90_UPI0003F17794
UniRef90_UPI0002C68785
UniRef90_UPI000240D088
UniRef90_UPI0003C10936
UniRef90_UPI0003C10936
UniRef90_UPI0003C10936
UniRef90_UPI00046B8D25
UniRef90_UPI00046B8D25
UniRef90_UPI00046B8D25
UniRef90_UPI0003C10311
UniRef90_F6ZEZ0
UniRef90_UPI00032131
UniRef90_F6RHB6
UniRef90_UPI0003B6C58B
UniRef90_UPI00032ADB80
UniRef90_UPI0003C117F9
UniRef90_UPI0003C117F9
UniRef90_UPI0003T17F9
UniRef90_UPI0003F10754
UniRef90_UPI0003F10754
UniRef90_UPI000329BE8C
                                                                                                                                                                                                                                       G R Q
V A V G K S N Q R I S S L T I E S A D E
L T D N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              D A
H S
D A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GIYTCQAS
GEFSCVAE
GDYTCIAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
T
A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N A A
N V A G S D P L T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TVEGQSTL

MNNGSL
PGGR
TCL

AQG
FL

AQG
FL

AQG
FNEDGTFQKTNTL

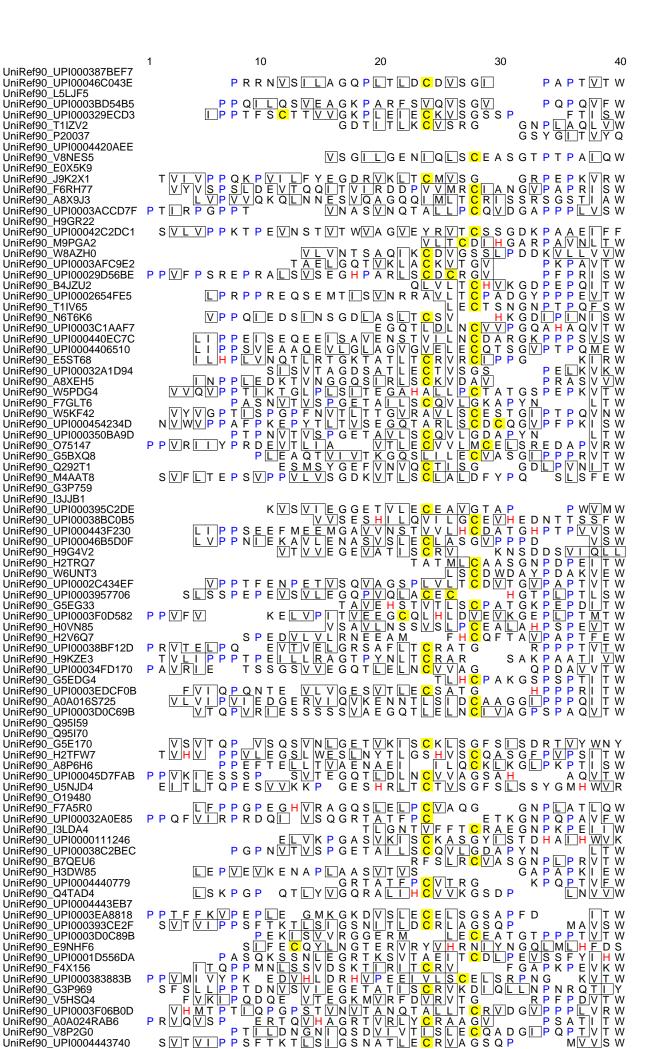
DQLEGKLSTYSEV
PNHDGSFQMSSDL

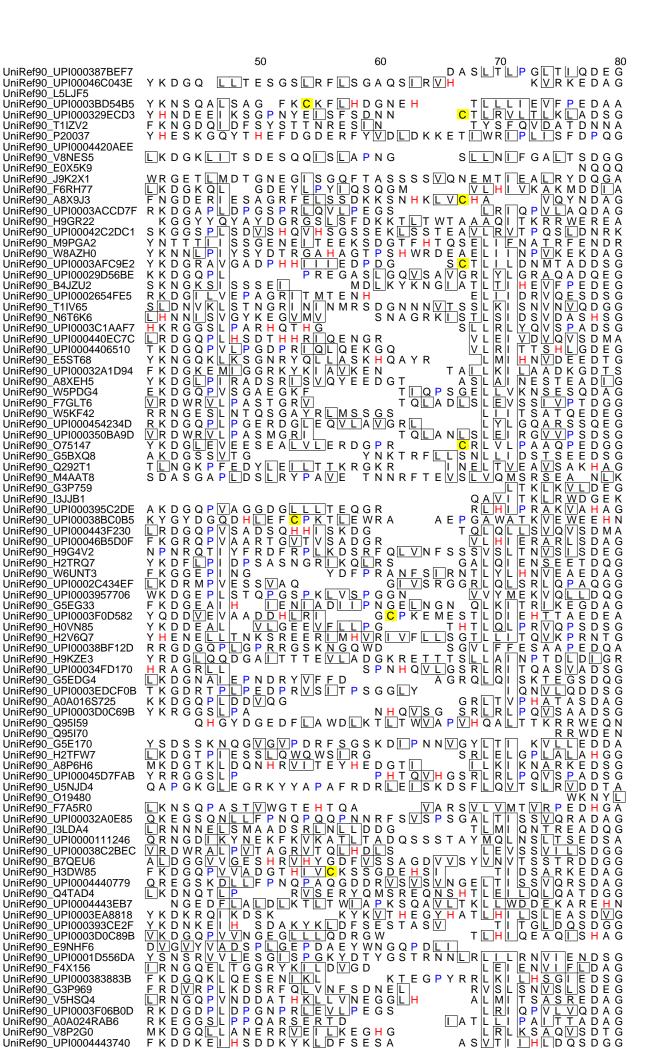
MEEDYSFQRSTYL
PNGDGTYQTWISV
FVHN
VMWEDLYPGSSLL
GKFTLQPSGEL
DANGKTFTLQPSGEL
DANGKTFTVSSHV
DLDEFFNG
PNG
FHDN
KDGNTLYSVTSWI
LEDG
FHON
KDGNT

UniRef90_UPI0003F10754
UniRef90_H0V221
UniRef90_UPI000329BE8C
UniRef90_UPI0003C157C0
UniRef90_UPI00042C4E7B
UniRef90_UPI00022F4357
UniRef90_UPI0003C13867
UniRef90_UPI0003C13867
UniRef90_H00038E3EB
UniRef90_F7BYF1
UniRef90_G1PQB8
UniRef90_UPI0003AE2BC9
```

UniRef90\_UPI0003AE2BC9

```
UniRef90_T0M664
UniRef90_UPI0003506D4A
UniRef90_UPI00046B0B16
UniRef90_M7AMC7
UniRef90_M7AMC7
UniRef90_F7BJ65
UniRef90_F1KPF6
UniRef90_UPI0003502083
UniRef90_UPI0003F10774
UniRef90_F7ALJ3
UniRef90_UPI0003C16A28
UniRef90_UPI000440E5CE
UniRef90_B3F8V1
UniRef90_b76V1
UniRef90_UPI00021A78AF
UniRef90_G3TES9
UniRef90_UPI000383631A
UniRef90_UPI000273C9A6
UniRef90_UPI0003C2923A
                                                                                                                  TKAVAK
UniRef90_UP10003C2923A
UniRef90_UP1000395814A
UniRef90_UP1000395814A
UniRef90_UP10003832471
UniRef90_F7HYH5
UniRef90_UP1000386FD62
UniRef90_G1NAX9
UniRef90_G1NAX9
UniRef90_G1NAX9
UniRef90_G1NAX9
UniRef90_H2RMU8
UniRef90_H3AWY7
UniRef90_H3AWY7
UniRef90_H2RMV0
UniRef90_H2RMV1
UniRef90_H2RMV1
UniRef90_G4RJ20
UniRef90_G4RJ20
UniRef90_G4RS2G3
UniRef90_UP10003834F84
UniRef90_UP10003834F84
UniRef90_UP10003959B1E
UniRef90_UP10003959B1E
UniRef90_UP10003959B1E
UniRef90_UP100035103D
UniRef90_UP1000351103D
UniRef90_UP1000351103D
UniRef90_UP1000351103D
UniRef90_UP100020602AF
                                                                                                                 VKDLKLS
QQLV
                                                                                                                  EKSFNLN
T TLDKT
                                                                                                                  Κ
                                                                                                                  NKS
UniRef90_UPI00020602AF
UniRef90_G4SLH0
UniRef90_UPI0004448461
                                                                                                                  HCTVKV
UniRef90_H9KZA3
UniRef90_G3FMK6
UniRef90_UPI0004571929
                                                                                                                   Q SVKLS
UniRef90_UPI0003946A88
UniRef90_UPI0003946A88
UniRef90_UPI0003AF2D8E
UniRef90_UPI0003AF2D8E
UniRef90_UPI0003593EF2
UniRef90_UPI0003593EF2
UniRef90_UPI0003F17794
UniRef90_UPI0003F17794
UniRef90_UPI0002C68785
UniRef90_UPI000240D088
UniRef90_UPI0003C10936
UniRef90_G3NXU8
UniRef90_G3NXU8
UniRef90_UPI00046B8D25
UniRef90_UPI00046B8D25
UniRef90_UPI00046B8D25
UniRef90_UPI00046B8D25
UniRef90_UPI00046B8D25
UniRef90_UPI00046B8D25
UniRef90_UPI00046B8D25
UniRef90_UPI0004BBD25
UniRef90_UPI0004BBD25
UniRef90_UPI0004BBD25
UniRef90_UPI0004BBD25
UniRef90_UPI0004BBD25
UniRef90_UPI0000221331
UniRef90_UPI0000221331
                                                                                                                LHTVNV
                                                                                                                 VR
                                                                                                                 LKSV
UniRef90_F6RHB6
UniRef90_UPI0003B6C58B
UniRef90_UPI00032ADB80
                                                                                                                LK
UniRef90_UPI0003C117F9
UniRef90_J7FQR5
UniRef90_I3LLF9
UniRef90_A9YLB9
UniRef90_K4G6J7
UniRef90_UPI0003F10754
                                                                                                                  ΤK
UniRef90_H0V221
UniRef90_UPI000329BE8C
UniRef90_UPI0003C157C0
UniRef90_UPI00042C4E7B
UniRef90_UPI00042C4E7B
UniRef90_UPI00022F4357
                                                                                                               VRPVSKS
RSIAVS
UniRef90_UPI0003C13867
UniRef90_A9JTT1
UniRef90_T1lX56
UniRef90_UPI000388E3EB
UniRef90_F7BYF1
UniRef90_G1PQB8
                                                                                                                   QK
UniRef90_UPI0003AE2BC9
```





UniRef90\_UPI000387BEF7 UniRef90\_UPI00046C043E UniRef90\_L5LJF5 UniRef90\_L5LJF5
UniRef90\_UPI0003BD54B5
UniRef90\_UPI000329ECD3
UniRef90\_T1IZV2
UniRef90\_P20037
UniRef90\_UPI0004420AEE
UniRef90\_UPI0004420AEE
UniRef90\_E0X5K9
UniRef90\_J9K2X1
UniRef90\_J9K2X1
UniRef90\_F6RH77 UniRef90\_F6RH77 UniRef90\_A8X9J3 UniRef90\_UPI0003ACCD7F UniRef90\_H9GR22 UniRef90\_UPI00042C2DC1 UniRef90\_M9PGA2 UniRef90\_W8AZH0 UniRef90\_UPI0003AFC9E2 UniRef90 UPI00029D56BE UniRef90\_B4JZU2 UniRef90\_UPI0002654FE5 UniRef90\_T1IV65 UniRef90\_N6T6K6 UniRef90\_UPI0003C1AAF7 UniRef90\_UPI0003C1AAF7
UniRef90\_UPI000440EC7C
UniRef90\_UPI0004406510
UniRef90\_UPI00032A1D94
UniRef90\_UPI00032A1D94
UniRef90\_W5PDG4
UniRef90\_W5PDG4
UniRef90\_W5KF42
UniRef90\_UPI000454234D
UniRef90\_UPI000350BA9D
UniRef90\_UPI000350BA9D
UniRef90\_O75147
UniRef90\_G5BXQ8
UniRef90\_Q292T1
UniRef90\_M4AAT8 UniRef90\_M4AAT8 UniRef90\_G3P759 UniRef90\_I3JJB1 UniRef90\_UPI000395C2DE UniRef90\_UPI00038BC0B5 UniRef90\_UPI000443F230 UniRef90\_UPI00046B5D0F UniRef90\_UPI00046B5D0F T H H

K E E E V S V

P G P V H V N

E S Q K E T I

P P T S Q E I

E E G T Q G V

S G I T H S V

D G I P S D Y

E L Q T I T V

A P D S H Q E UniRef90\_H2TRQ7 UniRef90\_W6UNT3 UniRef90\_UPI0002C434EF UniRef90\_UPI0003957706 UniRef90\_G5EG33 UniRef90\_UPI0003F0D582 UniRef90\_H0VN85 UniRef90\_H2V6Q7 UniRef90\_UPI00038BF12D UniRef90\_H9KZE3 UniRef90\_UPI00034FD170 UniRef90\_G5EDG4 UniRef90\_G5EDG4
UniRef90\_UPI0003EDCF0B
UniRef90\_UPI0003D0C69B
UniRef90\_UPI0003D0C69B
UniRef90\_Q95I59
UniRef90\_Q95I70
UniRef90\_G5E170
UniRef90\_H2TFW7
UniRef90\_H2TFW7
UniRef90\_UPI00045D7FAB
UniRef90\_UPI00045D7FAB
UniRef90\_UPI00045D0FAB
UniRef90\_UPI00032A0E85
UniRef90\_UPI00032A0E85
UniRef90\_I3LDA4 UniRef90\_I3LDA4 UniRef90\_UPI0000111246 UniRef90\_UPI00038C2BEC UniRef90\_B7QEU6 UniRef90\_H3DW85 UniRef90\_UPI0004440779 UniRef90\_Q4TAD4 UniRef90\_UPI0004443EB7 UniRef90\_UPI0003EA8818 UniRef90\_UPI000393CE2F UniRef90\_UPI0003D0C89B UniRef90\_E9NHF6 UniRef90\_UPI0001D556DA UniRef90\_F4X156 UniRef90\_UPI000383883B UniRef90\_G3P969 UniRef90\_V5F959 UniRef90\_V5HSQ4 UniRef90\_UPI0003F06B0D UniRef90\_A0A024RAB6 UniRef90\_V8P2G0

```
| AQUILLE | AQUI
UniRef90_UPI000387BEF7
UniRef90_UPI00046C043E
UniRef90_L5LJF5
UniRef90_L5LJF5
UniRef90_UPI0003BD54B5
UniRef90_UPI000329ECD3
UniRef90_T1IZV2
UniRef90_P20037
UniRef90_UPI0004420AEE
UniRef90_V8NES5
UniRef90_E0X5K9
UniRef90_J9K2X1
UniRef90_F6RH77
UniRef90_F6RH77
UniRef90_A8X9J3
 UniRef90_UPI0003ACCD7F
 UniRef90_H9GR22
 UniRef90_UPI00042C2DC1
 UniRef90_M9PGA2
UniRef90_W8AZH0
UniRef90_UPI0003AFC9E2
 UniRef90_UPI00029D56BE
 UniRef90_B4JZU2
UniRef90_UPI0002654FE5
UniRef90_T1IV65
UniRef90_N6T6K6
UniRef90_UPI0003C1AAF7
UniRef90_UPI0003C1AAF7
UniRef90_UPI000440EC7C
UniRef90_UPI0004406510
UniRef90_UPI00032A1D94
UniRef90_UPI00032A1D94
UniRef90_W5PDG4
UniRef90_W5PDG4
UniRef90_F7GLT6
UniRef90_UPI000454234D
UniRef90_UPI000350BA9D
UniRef90_UPI000350BA9D
UniRef90_O75147
UniRef90_G5BXQ8
UniRef90_Q292T1
UniRef90_M4AAT8
UniRef90_M4AAT8
UniRef90_G3P759
 UniRef90_I3JJB1
UniRef90_UPI000395C2DE
UniRef90_UPI00038BC0B5
UniRef90_UPI000443F230
UniRef90_UPI00046B5D0F
UniRef90_UPI00046B5D0F
UniRef90_H2TRQ7
UniRef90_W6UNT3
UniRef90_UPI0002C434EF
UniRef90_UPI0003957706
UniRef90_G5EG33
UniRef90_UPI0003F0D582
UniRef90_H0VN85
UniRef90_H2V6Q7
 UniRef90_UPI00038BF12D
UniRef90_H9KZE3
UniRef90_UPI00034FD170
UniRef90_G5EDG4
UniRef90_G5EDG4
UniRef90_UPI0003EDCF0B
UniRef90_UPI0003D0C69B
UniRef90_UPI0003D0C69B
UniRef90_Q95I59
UniRef90_Q95I70
UniRef90_G5E170
UniRef90_H2TFW7
UniRef90_H2TFW7
UniRef90_UPI00045D7FAB
UniRef90_UPI00045D7FAB
UniRef90_UPI00045D0FAB
UniRef90_UPI00032A0E85
UniRef90_UPI00032A0E85
UniRef90_I3LDA4
UniRef90_I3LDA4
UniRef90_UPI0000111246
UniRef90_UPI00038C2BEC
UniRef90_B7QEU6
UniRef90_H3DW85
 UniRef90_UPI0004440779
UniRef90_Q4TAD4
UniRef90_UPI0004443EB7
UniRef90_UPI0003EA8818
UniRef90_UPI000393CE2F
 UniRef90_UPI0003D0C89B
 UniRef90_E9NHF6
UniRef90_UPI0001D556DA
UniRef90_F4X156
 UniRef90_UPI000383883B
UniRef90_G3P969
UniRef90_V5F959
UniRef90_V5HSQ4
UniRef90_UPI0003F06B0D
UniRef90_A0A024RAB6
UniRef90_V8P2G0
```

```
A GODGEGNAY YOUR CONTROL OF A C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UniRef90_UPI000387BEF7
UniRef90_UPI00046C043E
UniRef90_L5LJF5
UniRef90_UPI0003BD54B5
UniRef90_UPI000329ECD3
UniRef90_P20037
UniRef90_P20037
UniRef90_UPI0004420AEE
UniRef90_UPI0003ACCD7F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   UniRef90_UPI0003ACCD7F
UniRef90_H9GR22
UniRef90_UPI00042C2DC1
UniRef90_M9PGA2
 UniRef90_W8AZH0
UniRef90_UPI0003AFC9E2
 UniRef90_UPI00029D56BE
UniRef90_B4JZU2
UniRef90_B4JZU2
UniRef90_B4JZU2
UniRef90_UPI0002654FE5
UniRef90_T1IV65
UniRef90_UPI0003C1AAF7
UniRef90_UPI0003C1AAF7
UniRef90_UPI000440EC7C
UniRef90_UPI0004406510
UniRef90_UPI00032A1D94
UniRef90_UPI00032A1D94
UniRef90_W5PDG4
UniRef90_W5PDG4
UniRef90_W5KF42
UniRef90_W5KF42
UniRef90_UPI000350BA9D
UniRef90_I3JJB1
UniRef90_UPI000395C2DE
UniRef90_UPI00038BC0B5
UniRef90_UPI000443F230
UniRef90_UPI00046B5D0F
UniRef90_H9G4V2
UniRef90_H2TRQ7
UniRef90_W6UNT3
UniRef90_UPI0002C434EF
UniRef90_UPI0003957706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0000000
 UniRef90_G5EG33
UniRef90_UPI0003F0D582
 UniRef90_H0VN85
UniRef90_H2V6Q7
UniRef90_H2V6Q7
UniRef90_UP100038BF12D
UniRef90_UP100038BF12D
UniRef90_UP100034FD170
UniRef90_UP100034FD170
UniRef90_UP10003EDCF0B
UniRef90_UP10003EDCF0B
UniRef90_UP10003D0C69B
UniRef90_Q95159
UniRef90_Q95150
UniRef90_G5E170
UniRef90_G5E170
UniRef90_H2TFW7
UniRef90_A8P6H6
UniRef90_UP100045D7FAB
UniRef90_UP100045D7FAB
UniRef90_UP100045D7FAB
UniRef90_UP100045D7FAB
UniRef90_UP100045D7FAB
UniRef90_UP100045D7FAB
UniRef90_UP100045D7FAB
UniRef90_UP100045D7FAB
UniRef90_UP100032A0E85
UniRef90_UP100032A0E85
UniRef90_UP100038C2BEC
                                                                                                                                                                                                                                                               VR A D G S
T Q V D Y T F F T

SRL R I T H A S P R D S G E Y I C R I Q
S A R K S D S G R Y T C I V R N P A
V D R R H L V L S S G T L R I S A V A L H D Q G Q Y E C Q A V N
P R G E

SRL R I T H A S P R D S G E Y I C R I Q
S A R K S D S G R Y T C I V R N P A
V D R R H L V L S S G T L R I S A V A L H D Q G Q Y E C Q A V N
P N H D G T F Q V S V D L T L T A V P Q E D W E R Y E C V V Q L K G I E D I S T P N H D G T F Q V S V D L N L T A V P Q E D W G R Y E C V V Q L R G I E D I S T P N H D G T F Q V S V D L N L T A V P Q E D W G R Y E C V V Q L R G I E D I S T P N H D G T F Q V S V D L N L T A V P Q E D W G R Y E C V V Q L R G I E D I S T P N H D G T F Q V S V D L N L T A V P Q E D W G R Y E C V V Q L R G I E D I S T P N H D G T F Q V S V D L N L T A V P Q E D W G R Y E C V V Q L R G I E D I S T P N H D R T Y Q I R K W I E F D P E D Q
Q G N D K K Y T M S S V L K V S A A D W K T N R F Y Q C Q A
P N H D R T Y Q I R K W I E F D P E D Q
D G L H G G Y I S M S N L T F L V R R E D N G L T L T C S V A H P A S S T T V D
D P R M S L Q E L G S L Q I K N I R L A D S G E Y T C
L L Q S G L Y T M S S V L V P G G G W P S A T V T C S V A H P A S S T T V D
T F D N G T L I V V D V T R E S D E G V T C T C A A N E V G T D

T F D N G T L I V V D V T R E S D E G V T C T C A A N E V G T D

K T A P G K F S
L V I D A V D Q E D W G S Y T C T C A A N E A
F N N D G T F Q M S V E F N V S S V P P D G W R R Y D C V F Q L S G D D L
S Y E K N
V V A L K I F N A E P K N A G K Y I C Q V S N D A
H L L S G G W

M K T N N T Y M K F S W L T V P E K S L D K E H R

C I V R H E N R N G V D
UniRef90_UPI0000111246
UniRef90_UPI00038C2BEC
UniRef90_B7QEU6
UniRef90_H3DW85
UniRef90_UPI0004440779
UniRef90_UPI0004443EB7
UniRef90_UPI0004443EB7
UniRef90_UPI0004443EB7
UniRef90_UPI0003EA8818
UniRef90_UPI000393CE2F
UniRef90_UPI0003D0C89B
UniRef90_E9NHF6
UniRef90_UPI0001D556DA
UniRef90_F4X156
                                                                                                                                                                                                                                                                    MKTNNTYMKFSWLTVPEKSLDKEHR CIVRHENNRN RSSDYS LIIPKTTELDSGIYTCVARTD LDE LEVDGVYR RLIIPKFTVKDSAEYVC TYDRMFTVTSRVRFSVTKEDDGVPVDCIIDHPAAKDETQDG SSALYLNRANADDSAWYQCTAQNQALLP SNALLLRDPSPQDSGQFECVVSNE SRLRLPQVSPADSGEFCVVSNE SRLRLPQVSPADSGEVCVSNE SRLRLLYLNRANADDSAWYQCTAQNQALLP SSLELYSVKPSESAKYTCQVSNDA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CIVRHENNRNGVD
CVARTD LDETSA
UniRef90_UPIN000383883B
UniRef90_UPI000383883B
UniRef90_G3P969
UniRef90_V5HSQ4
UniRef90_UPI0003F06B0D
UniRef90_V8P2G0
UniRef90_V8P2G0
                                                                                                                                                                                                                                                      SGGR
IKKDVS
```

UniRef90\_UPI0004443740

٧

	LIDIOOOOOZDEEZ	
	_UPI000387BEF7	и <b>т</b> г оП
UniRef90	_UPI00046C043E	KTFQL Q
UniRef90	_L5LJF5	Q
	_UPI0003BD54B5	
UniRef90	_UPI000329ECD3 T1IZV2	E
UniRef90		<b>C</b>
UniRef90	_P20037	
UniRef90	_UPI0004420AEE	
UniRef90	_V8NES5	
UniRef90	_E0X5K9	
UniRef90_ UniRef90	_J9K2X1 _F6RH77	
UniRef90	_F6KH77 _A8X9J3	
UniRef90	UPI0003ACCD7F	
UniRef90	_UP10003ACCD7F H9GR22	$\Box$
UniRef90	UPI00042C2DC1	ASVTL
UniRef90	_0110004202D01 M9PGA2	ASVIL
UniRef90	W8AZH0	
UniRef90	UPI0003AFC9E2	
UniRef90	UPI00029D56BE	ERRES IS
UniRef90	B4JZU2	ERRFSLS TCTINVT
UniRef90	UPI0002654FE5	
UniRef90	T1IV65	
UniRef90	_N6T6K6	
UniRef90	UPI0003C1AAF7	
UniRef90	UPI000440EC7C	QKSILLN
UniRef90	UPI0004406510	a n o <u>n e e</u> n
UniRef90	E5ST68	
UniRef90	UPI00032A1D94	
UniRef90	A8XEH5	
UniRef90	W5PDG4	
UniRef90	F7GLT6	
UniRef90	W5KF42	HKHITLS
UniRef90	UPI000454234D	HKHITLS EKRFTLS
UniRef90	UPI000350BA9D	_
UniRef90	_O75147	
UniRef90	_G5BXQ8	
UniRef90	_Q292T1	
UniRef90	_M4AAT8	K K
UniRef90_	_G3P759	SVSL
UniRef90	_I3JJB1	TK
UniRef90	_UPI000395C2DE	
UniRef90	_UPI00038BC0B5	
UniRef90	_UPI000443F230	QKSFLLS
UniRef90	_UPI00046B5D0F	
UniRef90	_H9G4V2	K
UniRef90	H2TRQ7	K QLTV
UniRef90 UniRef90	_H2TRQ7 _W6UNT3	K QIIT V
UniRef90 UniRef90 UniRef90	_H2TRQ7 _W6UNT3 _UP10002C434EF	K Q[]T[V]
UniRef90 UniRef90 UniRef90 UniRef90	_H2TRQ7 _W6UNT3 _UPI0002C434EF _UPI0003957706	K QLTV
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33	K Q[]T[V]
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582	K Q[]T [V]
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85	K Q[]T [V]
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 _UPI0002C434EF _UPI0003957706 _G5EG33 _UPI0003F0D582 _H0VN85 H2V6Q7	K Q[]T [V]
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D	K Q[]T [V]
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3	K Q[]T [V]
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170	K Q∏T V
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3	Q T V
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4	Q T V
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B	K QITV EESVDQN
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B	Q T V
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95159	Q T V
UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170	Q T V
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7	Q T V
UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 G5E170 H2TFW7 A8P6H6	Q T V
UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 G5E170 H2TFW7 A8P6H6 UPI00045D7FAB	Q T V
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB USNJD4	Q T V
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB USNJD4 O19480	Q T V  E E S V D Q N  L K T L K R S
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0	Q T V
UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 G5E170 H2TFW7 A8P6H6 UPI00045D7FAB U5NJD4 0019480 F7A5R0 UPI00032A0E85	Q T V  E E S V D Q N  L K T L K R S
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 -A8P6H6 UP100045D7FAB U5NJD4 O19480 -F7A5R0 UP100032A0E85	Q □ T ♥  E E S ♥ D Q N  □ K T □ K R S  K K □ T □ N
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003EDCF0B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0 F7A5R0 UP100032A0E85 I3LDA4 UP10000111246	Q T V  E E S V D Q N  L K T L K R S  K K L T L N  K K
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 U5NJD4 U5NJD4 U5NJD4 U5NJD4 U5NJD4 U100032A0E85 USLDA4 UP10000111246 UP100038C2BEC	Q T V  E E S V D Q N  L K T L K R S  K K L T L N  K K E E T T L
UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 G5E170 H2TFW7 A8P6H6 UPI00045D7FAB USNJD4 O19480 F7ASR0 UPI00032A0E85 I3LDA4 UPI00038C2BEC B7QEU6	Q T V  E E S V D Q N  L K T L K R S  K K L T L N  K K
UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 H2TFW7 A8P6H6 UPI00045D7FAB U5NJD4 O19480 F7A5R0 UPI00032A0E85 I3LDA4 UPI000038C2BEC B7QEU6 H3DW85	Q T V  E E S V D Q N  L K T L K R S  K K L T L N  K K E E T T L
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0 UP100032A0E85 I3LDA4 UP10003111246 UP100038C2BEC B7QEU6 H3DW85 UP10004440779	Q T V  E E S V D Q N  L K T L K R S  K K L T L N  K K E E T T L
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0 UP100032A0E85 I3LDA4 UP10003111246 UP100038C2BEC B7QEU6 H3DW85 UP100044440779 Q4TAD4	E E S V D Q N  LK T LK R S  K K L T L N  K K E E T I T L VK I I K K T
UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 G5E170 H2TFW7 A8P6H6 UPI00045D7FAB U5NJD4 019480 F7A5R0 UPI00032A0E85 I3LDA4 UPI00038C2BEC B7QEU6 H3DW85 UPI0004440779 Q4TAD4 UPI0004443EB7	Q T V  E E S V D Q N  L K T L K R S  K K L T L N  K K E E T T L
UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003DC69B Q95I70 G5E170 H2TFW7 A8P6H6 UPI00045D7FAB USNJD4 O19480 F7A5R0 UPI00032A0E85 I3LDA4 UPI00038C2BEC B7QEU6 H3DW85 UPI00044443EB7 UPI00044443EB7	E E S V D Q N  LK T LK R S  K K L T L N  K K E E T I T L VK I I K K T
UniRef90 UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 G5E170 H2TFW7 A8P6H6 UPI00045D7FAB U5NJD4 019480 F7A5R0 UPI00032A0E85 I3LDA4 UPI00038C2BEC B7QEU6 H3DW85 UPI0004440779 Q4TAD4 UPI0004443EB7	E E S V D Q N  LK T LK R S  K K L T L N  K K E E T I T L VK I I K K T
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003EDCF0B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0 UP100032A0E85 I3LDA4 UP10003111246 UP100038C2BEC B7QEU6 H3DW85 UP10004443EB7 UP10004443EB7 UP10003EA8818 UP10003EQSEF	E E S V D Q N  L K T L K R S  K K L T L N  K K E T T L K K T  K T L D K S
UniRef90 UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003BDC69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0 UP100032A0E85 I3LDA4 UP100038C2BEC B7QEU6 H3DW85 UP10004444779 Q4TAD4 UP10003BA818 UP100039C89B	E E S V D Q N  L K T L K R S  K K L T L N  K K E T T L K K T  K T L D K S
UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 G5E170 H2TFW7 A8P6H6 UPI00045D7FAB U5NJD4 019480 F7A5R0 UPI00032A0E85 I3LDA4 UPI00038C2BEC B7QEU6 H3DW85 UPI0004440779 Q4TAD4 UPI0004443EB7 UPI0003BC2FE UPI0003D0C89B E9NHF6 UPI0003D0C89B	E E S V D Q N  LK T LK R S  K K L T L N  K K E E T I T L VK I I K K T
UniRef90	H2TRQ7 W6UNT3 UPI0002C434EF UPI0003957706 G5EG33 UPI0003F0D582 H0VN85 H2V6Q7 UPI00038BF12D H9KZE3 UPI00034FD170 G5EDG4 UPI0003EDCF0B A0A016S725 UPI0003D0C69B Q95I59 Q95I70 G5E170 H2TFW7 A8P6H6 UPI00045D7FAB U5NJD4 019480 F7A5R0 UPI00032A0E85 I3LDA4 UPI00038C2BEC B7QEU6 H3DW85 UPI0004440779 Q4TAD4 UPI0004443EB7 UPI0003BC2FE UPI0003D0C89B E9NHF6 UPI0003D0C89B	E E S V D Q N  L K T L K R S  K K L T L N  K K E E T I T L T  K I T L D K S  Q A T L
UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0 UP100032A0E85 I3LDA4 UP10003E0EC B7QEU6 H3DW85 UP10004440779 Q4TAD4 UP100034H2B7 UP100034B818 UP100034H2B7 UP10003BA8818 UP10003D0C89B E9NHF6 UP10003D0C89B E9NHF6 UP10003883883B G3P969	E E S V D Q N  L K T L K R S  K K L T L N  K K E T T L K K T  K T L D K S
UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 U5NJD4 U5NJD4 UF100032A0E85 I3LDA4 UP100038C2BEC B7QEU6 H3DW85 UP10004440779 Q4TAD4 UP10003BA8818 UP10003D0C89B E9NHF6 UP10003D0C89B E9NHF6 UP100038883B G3P969 V5HSQ4	E E S V D Q N  L K T L K R S  K K L T L N  K K E E T I T L T  K I T L D K S  Q A T L
UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003DOC69B Q95159 Q95170 G5E170 H2TFW7 -A8P6H6 UP100045D7FAB U5NJD4 O19480 -F7A5R0 UP100032A0E85 I3LDA4 UP10003111246 UP10003EDCBC B7QEU6 H3DW85 UP100034440779 Q4TAD4 UP10004443EB7 UP100034443EB7 UP10003BOC89B E9NHF6 UP10003BOC89B E9NHF6 UP10001D556DA F4X156 UP1000383883B G3P969 V5HSQ4 UP10003F06B0D	E E S V D Q N  L K T L K R S  K K L T L N  K K L T L N  K K T L D K S  Q A T L  Q R Q L D V
UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0 UP100032A0E85 I3LDA4 UP100038C2BEC B7QEU6 H3DW85 UP10003444779 Q4TAD4 UP100034443EB7 UP100044443EB7 UP10004443EB7 UP10003BC2BEC B7QEU6 H3DW85 UP10003BC2BEC B7QEU6 H3DW85 UP10004443EB7 UP10003EA8818 UP10003BC2BEC UP10003BC2BEC B7QEU6 H3DW85 UP10004443EB7 UP10004443EB7 UP10004443EB7 UP10003BC2BEC UP10003BC2BEC UP10003BC2BEC UP10003BC3B8818 UP10003BC3BBES UP10003BC3BBBBS UP10003BC3BBBBS UP10003BC3BBBBS UP10003BC3BBBBS UP10003BC3BBBBS UP10003BC3BBBBS UP10003BC3BBBBS UP10003BC3BBBBS UP10003BC3BBBBS UP10003BC3BBBBBS UP10003BC3BBBBBS UP10003BC3BBBBBS UP10003BC3BBBBBS UP10003BC3BBBBBBS UP10003BC3BBBBBBS UP10003BC3BBBBBBBBBS UP10003BC3BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	E E S V D Q N  L K T L K R S  K K L T L N  K K L T L N  K K T L D K S  Q A T L  Q R Q L D V
UniRef90	H2TRQ7 W6UNT3 UP10002C434EF UP10003957706 G5EG33 UP10003F0D582 H0VN85 H2V6Q7 UP100038BF12D H9KZE3 UP100034FD170 G5EDG4 UP10003EDCF0B A0A016S725 UP10003D0C69B Q95159 Q95170 G5E170 H2TFW7 A8P6H6 UP100045D7FAB U5NJD4 O19480 F7A5R0 UP100032A0E85 I3LDA4 UP100038C2BEC B7QEU6 H3DW85 UP100034440779 Q4TAD4 UP100034443EB7 UP100044443EB7 UP10004443EB7 UP10003BC2BEC B7QEU6 H3DW85 UP10003BC2BEC B7QEU6 H3DW85 UP10004443EB7 UP10003EA8818 UP10003BC2F UP10003BC2BEC UP10003BC2BEC B7QEU6 H3DW85 UP10004443EB7 UP10004443EB7 UP10004443EB7 UP10003BC2BEC UP10003BC2BEC UP10003BC2BEC UP10003BC3BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	E E S V D Q N  L K T L K R S  K K L T L N  K K E E T I T L T  K I T L D K S  Q A T L

		1	10	20	30 40
UniRef90_ UniRef90					
	UPI00042C6656	SVLVPPHI PTIWGSNET	VGENTFVKVI GEVTVLEGH	K E K Q Ś V A Ĺ Ť <mark>Č</mark> E T A QI I <mark>C</mark> E A R G N	VQGDPAPT RW VTGNPVPEITW PSPAITW LNDDGSTE
UniRef90_ UniRef90	I6PRM6	T DE N	IF Q D D Q F F K G I	LQVVTGCI	LNDDGSTE QGDLPLKFAW
UniRef90_	_T1JCN0				T A K G N P T P O F O W
UniRef90	_UPI0003DECA6E _UPI0002036B41	S	PLISLRAGD!	M	SAMGNPNISYTW DNAKPAASIIW TGDLPLTFTW
UniRef90_ UniRef90	_UPI0003DF4AB0 _E4Y738	∐T P F S	FARD <u>L</u> NVGDI I	R T S	T G D L P L T F T W
UniRef90 UniRef90	Q0WYX8 F6T7Y3	K P P T	KESETI QLGQI FKVSI MQSVI	DLKLS <mark>CH</mark> VDAN REGODVIMSLE	(S K A F P P P K   T W   V V Y S W   W V V Y S W   W V V Y S W   W V V T F S W   K G T Q P   T F Q W   F S L A Q L N L N W V W W W W W W W W W W W W W W W W W
UniRef90_	_UPI0002659787 _UPI0002659A54	NVYIEGDT	TRLEEMASKS	SVRDLTRFMC(	GL LRGQDVTFSW
UniRef90_	_UPI00033336E4	VEVQVPE	DPVVALVGT	NTTLRCTFSGF	SLAQLNLIWQS
	_UPI0003BC6809	PPS	G S V I E G Q I S F Q V A P C D Q A	TEGQD <u>VV</u> MSV¦	Q P K P M L Y W
UniRef90	_UPI000441B0B4 _UPI0003BCEFCB		D N [ Q [ G R I	EVKIS <mark>C</mark> QV E	EATPPEELQFSW
UniRef90 UniRef90	_G7PA67 _J9JNA7	PVVTVHQSE PKILPIPP	D N   Q   G R R   A K E Q F Y Y E R   M T N   L A E G M R   R E Q A V E G G R   P E Q T V N E G D R   P R D   V E V T S G R   A F V V S V G K R	T  V  F  L  R   C  V   R A A I   S   C  Q     V   E	ANSNPPVRYSW GDLPVMFTW
UniRef90_			REQAVEGGE	EVELS CLV	PRSRPAALIRW
UniRef90_	_U6DVD0		PRDVEVTSGI	TVYFTCF DATESCQIVG	PGNPHAVLRW RAEGNPKPKIIW NPTPQVSW
UniRef90_	_UPI00042CBEE6 _UPI0004573141				<del></del>
UniRef90_		VYAPPSS	GE!	T L T L D <mark>C</mark> D V S G 1 M A T V Q <mark>C</mark> A V I	PAPAVTW KGDLPIDIIW
UniRef90_ UniRef90_	_W5L174	PNLTVPQEK	SP <u>LV</u> TREGD G\$	I	K P K P I I L W
UniRef90 UniRef90	_G1U1E2 _UPl00001102A5	V V Q V P P V L Q Q S	'LEPTLPLSTA GAEVVRSGAS	A	K G D P D I W K P K P I I L W F S P A E T T F S W A R G S P Q P D I T W F N I K D Y Y I H WV K
UniRef90_	_B1NQU9 H0W6G2	P R V Q V S P		VRLY <mark>CRA</mark> TGN	
UniRef90_		WC LL K D D	MET DE A DIZI	R V V L N C F	RAQGSPNPIITW
UniRef90_	_UPI0003944483	VSILKFF	LIMILIKPAPKI		D V V S P P P T I I W S A S G Y P A P H L S W E A R G I P T P I L T W A I D A I D W D A K G D P K P T V I W S D F E G E Y I H W Y R A S G S P L P L V S W
UniRef90_		VHVPPSI	SGKNEMVAV	V V N N L V R L E C	A R G I P T P L L T W
UniRef90_ UniRef90_		S V H I L P Q	VQLVN S G G	T	SAID AIDW AVQGSLRPPIIW
UniRef90_ UniRef90	_UPI00035940F8 F7DDY6	VEQSC	ONSINS TEVIKKS	SVLLQ <mark>C</mark> SIDIY <mark>C</mark> KITSS	DAKGDPKPTVIW SDFEGEYIHWYR
	_UPI00034F75F0	<u></u> _		ENLPASFECL	ĀSGSPLPLVSW
UniRef90_	_W5MSM2	PPVLV SH	R	VVVQ <mark>C</mark> VLK <mark>C</mark> Q	Q G G D P R P A V I W
	_UPI000392F25E	PQVQVSPER	TEVQEGS	V R L Y C R V S G S	A T G T PLP QI T W A T G T PLP QI T W A P T A T I T W A P V T W A
UniRef90_		PPVRIESSS	PESIHKPGG	SVSLRCTATG	N P L P Q V T W
UniRef90_ UniRef90_	_W4YJ84 _W4XUB3	VYGPPNP	PELNGTHAL	Q A G V P A K V T <mark>C 1</mark> V E F V <mark>C E</mark> A I	GSRPP VTIKW DQGKPVPTVEW
UniRef90_ UniRef90_	_A0A022T4Y2 G3Q9N1		N I	E G T <u>L M T L N <mark>C </mark>E S</u> T V T F L <mark>C</mark> (	SDQGKPVPTVEW STKGNPPPAVFW
	_UPI000383B771	P Q V	QVE EVELT VE	E A G H T A T L R C S	GTKGNPPPAVFW SATGSPKPTIHW TTGNPPPAVFW
UniRef90_ UniRef90_	_L8Y5J4	NV I A I B B E	PSELDVILNI	N P V L L P C I	ATGTPSPFITW RVFGAPKPEVKW RAGGTPAATISW
UniRef90_	F7CCA0	PEVQVSPER	TEVR	EGDTVRLYC	RAGGTPAATUSW
UniRef90_		P MLFLRQPL	PLTRVSGQ	K	O W D E E T D N T F G H
UniRef90_	_A0A016TXE6 _UPI000441F3F4	PTVSVVPKG	PHEALVVSEO PVQLKVGK	S	PTPSVRW /GPMRSYVRLEW GAGEPRVLVRW
	_H2SMQ7 _UPI000273E20E	FRQN	IPAD <u>VIV</u> AAGI	EPAV LECQF	A S G N P D P F II T W
UniRef90_ UniRef90	_UPI0003F10688 _U6DQ94	VFVOPHI	PEVQGPLGG IQETTYFNG	TVEL <mark>PCHLL</mark> DA QVTLICEAFGA	A A G G T P N V A V F H  P I P E I T W K R  N P I P V V S W  V P G Q A H A Q V T W
UniRef90_		FLTRPK	AF MVSVGKI	DATLS <mark>C</mark> QIVG	N P I P V V S W
UniRef90_	D2HY38		DNIQIGRI	EVKÜS CQVE A	PSEE LTFSW
	_UPI0002C44F86	HLLPPT	PDVRIS	QVT WQRLD	A G G T P N V A V F H
UniRef90_	_UPI00021A7581 _UPI0003DF6235	VFVAPPK	PEEMI Y VN		(VRARPSPSVDW QAEGTPTPEILW
UniRef90_ UniRef90_	_E1BN29 _A0A044TJ59	P K W A W F E P S	SEAE    SRTQ  ED VLL K <mark>C</mark> :	кат <u>ш V <mark>C</mark> L                                  </u>	VRNNDGS <u>LLIG</u> FH
UniRef90_ UniRef90	_T1IXZ7		QEVVLGG	S A E L R C K A T G S	P Q P Q V T W
UniRef90_	_UPI000214B95D _UPI0003339D45	FAYPPG	G S Q L I R I E S S	S E G Q T L D L N <mark>C (</mark> S A F L A <mark>C</mark> R A T G	V P G Q T H A Q I T W R P P P V V T W
UniRef90_	_UPI00021A4F2F	P K VY Q VP	E D L N V L E N	S TAFFR <mark>C</mark> L	.  A I  G D P T P D H A W
UniRef90_ UniRef90_	H9KDI5	□A P F S	G D E PANW	G F A IVIS A IVI <mark>c</mark> T II	A A S G N P D P E I S W V K G D L P I E L A W
UniRef90_ UniRef90_	_U6DHJ5	P S F V K R P S	YNEIALVGA SNL AVTVDDS	I	P F D R V V W D P V P T V R W
UniRef90_ UniRef90_	_UPI00038716B4 _K1R2G8	PTVSVMPPG VFKKT	GP VTVKEGKS PEDEV <mark>H</mark> EGN	T T R L Q C P F G G S S A E F K C E A R G S L S L E C L G R G T V R L D T L V S G	E P R P L V R W R P V P E L S W
UniRef90_			TVHYIRVGE		DPTPVVTW
UniRef90_	_UPI0003EE1807	PPRFVVQPN	INQDGLY GI	KAG <u>V</u> LNCS	SVDGYPPPKVMW
∪nıRef90_	_UPI0003503178			F R C	QVQGDPQPTVRW

T K L K W E D E T K L K W A E D H T A Q P S D P T A Q P S S L H D D A G W N D D P T B S S L K W E D D A A W S S L D L R F S G D D A A E M S S D D A A E M S S A D D A A E M S S A Q R S D A A Q R S A 50 60 UniRef90\_E2GIC2 UniRef90\_F1QFK4 UniRef90\_UPI00042C6656 UniRef90\_A2AJ76 UniRef90\_I6PRM6 UniRef90\_T1IV67 UniRef90\_T1JCN0 UniRef90\_UPI0003DFCA6F K K K D D Y D D K D D N N N N D E R K A B D D UniRef90\_T1JCN0
UniRef90\_UPI0003DECA6E
UniRef90\_UPI0002036B41
UniRef90\_UPI0003DF4AB0
UniRef90\_E4Y738
UniRef90\_Q0WYX8
UniRef90\_F6T7Y3
UniRef90\_UPI0002659787
UniRef90\_UPI0002659A54
UniRef90\_UPI000333336E4
UniRef90\_IPIR3X9 UniRef90\_UPI0003BC6809 UniRef90\_UPI000441B0B4 UniRef90\_UPI0003BC6809
UniRef90\_UPI000441B0B4
UniRef90\_UPI0003BCEFCB
UniRef90\_G7PA67
UniRef90\_J9JNA7
UniRef90\_F1RMV8
UniRef90\_H6DVD0
UniRef90\_UPI0004573141
UniRef90\_UPI0004573141
UniRef90\_UPI0004573141
UniRef90\_UPI0003C25E20
UniRef90\_UPI0003C25E20
UniRef90\_UPI00001102A5
UniRef90\_H9G4L3
UniRef90\_UPI00001102A5
UniRef90\_UPI00001102A5
UniRef90\_UPI00001102A5
UniRef90\_UPI00001102A5
UniRef90\_UPI00003EC35E
UniRef90\_H0W6G2
UniRef90\_H0W6G2
UniRef90\_UPI0003944483
UniRef90\_UPI0003944483
UniRef90\_UPI00038EC35E
UniRef90\_UPI00035940F8
UniRef90\_UPI00035940F8
UniRef90\_UPI00034F75F0
UniRef90\_UPI00034F75F0
UniRef90\_UPI00034F75F0
UniRef90\_W5MSM2
UniRef90\_W5MSM2
UniRef90\_W5MSM2
UniRef90\_W5MSM2 LKNGRPLRSSERMVITHTDTDVSPGTRRGQEVLQGSDKGVEIYEPFFTQGETTKDSDGVNNGLGVGTITRNHDEYSYRDRKELKGVSSGQENGKVWSVANKQDGQPLPEGTLERDHNNHSLDLEDDSRFNLFDDGEKDRQLVEAGGRFRLAQDGDLYR T N L D I I D L K K I L K L K N L R S S L I I E R I T S T V R F R V D R G F L R I N S A K T L M I R N T R L T I L D L A FPAEDSSG DDHDDDD `ATQATNADSEATRMEVSSSGGAGD<mark>H</mark>GSSSSAAGDSVAGGGGGGGGGGGGRGGKGGGKGAGGGGGGGGGGGGGGG UniRef90\_UP100034F75F0
UniRef90\_W4AQY6
UniRef90\_W5MSM2
UniRef90\_UP1000392F25E
UniRef90\_UP1000392F25E
UniRef90\_UP100042D0272
UniRef90\_B7QEU1
UniRef90\_B7QEU1
UniRef90\_W4YJ84
UniRef90\_G3Q9N1
UniRef90\_G3Q9N1
UniRef90\_UP1000383B771
UniRef90\_UP1000383B771
UniRef90\_UP10003B58524
UniRef90\_UP5U82
UniRef90\_UP10003B58524
UniRef90\_UP1000241F38
UniRef90\_UP10003F10688
UniRef90\_UP10002C44F86
UniRef90\_UP10002C44F86
UniRef90\_UP10002C44F86
UniRef90\_UP10003DF6235
UniRef90\_UP10003DF6235
UniRef90\_UP10003DF6235
UniRef90\_UP1000214B95D
UniRef90\_UP1000214B95D
UniRef90\_UP1000214B95D
UniRef90\_UP10003339D45 UniRef90\_M4AJN8
UniRef90\_UPI000214B95D
UniRef90\_UPI0003339D45
UniRef90\_UPI00021A4F2F
UniRef90\_M7BF06
UniRef90\_H9KDI5
UniRef90\_B7PSS1
UniRef90\_B7PSS1 UniRef90\_B7PSS1 UniRef90\_U6DHJ5 UniRef90\_UPI00038716B4 UniRef90\_K1R2G8 UniRef90\_Q4SNE4 UniRef90\_W4ZDU6 UniRef90\_UPI0003EE1807

UniRef90\_UPI0003503178

GGG

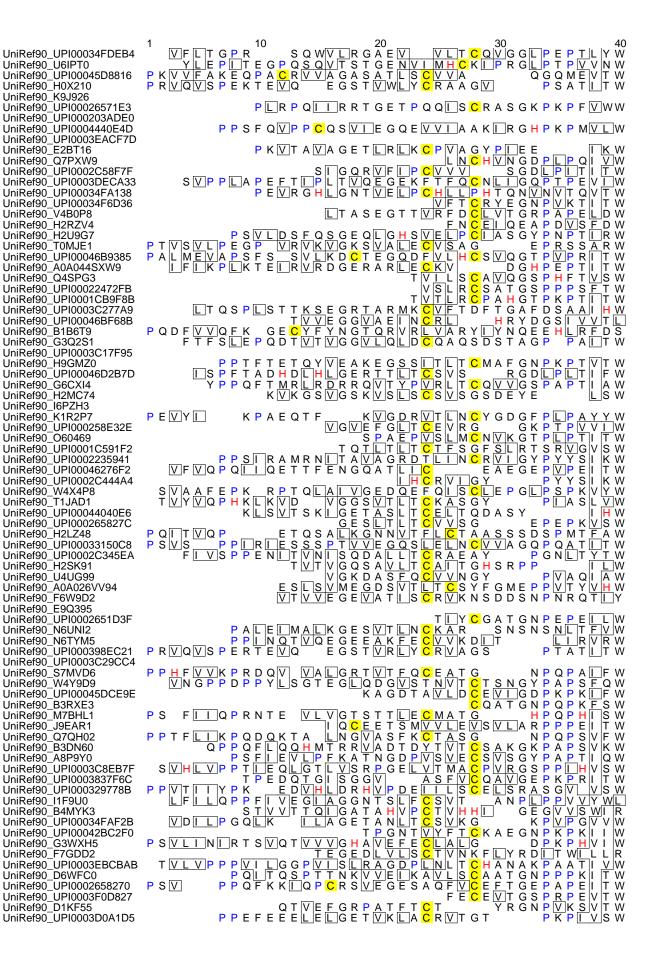
Jankedo EGGICZ  K A R (LA O N N N Y Y C) C G P S MC K Y Y C O G P S MC K Y C C C C C C C C C C C C C C C C C				90	100	110 120
ARABON   A			KARLAQN	IKNŸYLQL	CPSWLKKYL	EQGRSSLLRTERPRISL
ARRENGE   PRODUCTION   PRODUC			RYTCLSE	NSVGKAE NTAGDKS	ASGSILIQI <u>V</u> IH RSFSIL	NV L V S P T II A G V D S D V T V
Interest	UniRef90_A2	AJ76	L YTCQAS	SNPAG		II  T K K S T S   L   E   V   Y   V   P P T   I   E
Interest			NYTCIIAR	RNFIVITHTA	FILL VI <mark>H G M H</mark> T	G F S V A P K I N P F S F P F N V
Interest	UniRef90_T1	JCN0	VYFCFAK	(TQKGQ V F	H A A RII INIVIK G	S L G V R S S V K Y Q S
June		10003DECA6E	1 VII ( L N I		V ( )	
June		10002030B41 10003DF4AB0	NYTC	QISNVA	GLAEYSTSL	SVAVPPRWTVEPIDQNA
June		Y738	FX SCII S E	NUAGEAE	R F WT V D V F	SEPEVNSPIELVKP
June		T7Y3	FYTCKAV	/NEYGARQ	CEARLEVRH	PESRSLAVLAPLQDVDV
James   Proposition   Propos	UniRef90_UP	10002659787	NYICIAN	NIIFSEAR	V IG A IL L IN IV IE E	II I IEILIE AII IP S K SIVI
Jimeres   Jime		IOOO3333CE4	C = T C = V/C		4 1/ C II O 1/	
JAMERSO JANGUSTANE  AVI	UniRef90_F1I	R3X9	VYTCKII	NEYGTKQ	CEGKLEVK	ARPVEPGLAGIRPVRDV
JAMERSO JANGUSTANE  AVI		10003BC6809 1000441B0B4	CFYN	INE T G S K Q IELHFGKG	T QLTVLET G	QVCTPPTVTILSPSKRE
JAMERSO JANGUSTANE  AVI		10003BCEFCB	TYTCVAS	S L R N G G T P	E I S I D V N I S	STTVPPELTVPRGRSHL
JAMERSO JANGUSTANE  AVI		JNA7	NYTCI AT	NSAGEEK	F T VPL	TVNVPPKWIVEPEDT <u>N</u> V
Julinergo U-pi0004205EE6  JULIN S VI C R A RIN S A GE V K T Q N.A MILLRYS S P P A K P S F   I Q P Q D T E V Julinergo U-pi0004205EE6  JULIN S VI C R A W N A G T A T G A Y G L Q V Q N A A F P F L L   Q P Q D T E V Julinergo U-pi0004205E20  Julinergo U-pi0004205E20  Julinergo U-pi004205E20  Julinergo U-pi004205E40  Julinergo U-pi00384483  Julinergo U-pi00384483  Julinergo U-pi00384483  Julinergo U-pi00384483  Julinergo U-pi00384483  Julinergo U-pi00384483  Julinergo U-pi0038540F8  Julinergo U-pi0038475F0  Julinergo U-pi0038540F8  Julinergo U-		KIVIVO		ZNUALLIPOU		DIVIQISFIARIIINASQAIVVI
Junkergo Dipologas/Statia Junkergo Dipologas	UniRef90_U6	DVD0	FYQCMAR	RNSAGFIVIK	TONAMIIRYS	SPPAKPSFILIOPODTFIV
Jinkergo (De)0003C2520  V T C R A V,N R A G E Y, Q R R F	UniRef90_UP	100042CBEE6	QYVCRAR	RNAIIGEAF	A A V G L Q V D A	CAEQAPHFLLRPTSIRV
Jinkergo   L280P8			SYTCRAIV	/ N R A G E IV IQ	RRF HIL	L V L V P P V V S G S G P P H S V
Junkelso (1910) 1001 1012   J. V. J. A. E. N. A. Y. D. R. G. R. F. P. Y. W. G. V. S. A. A. J. J. J. A. E. J. B. S. A. A. J. J. J. A. E. J. B. S. A. A. J. J. J. A. E. J. B. S. A. A. J.			FYSCTAS	SNMAGTAT	H S S   V       S   V   N   V	PPRII AP FFMADKAIVI
Junkelso (1910) 1001 1012   J. V. J. A. E. N. A. Y. D. R. G. R. F. P. Y. W. G. V. S. A. A. J. J. J. A. E. J. B. S. A. A. J. J. J. A. E. J. B. S. A. A. J. J. J. A. E. J. B. S. A. A. J.	UniRef90_W5	5L174	S F T C Q V	QHPALSGA	K <u>T</u> A T M K <u>R</u> P <u>A</u>	I FI A L H L Q L L Q R D D S E P
Jinkergo HowGG2 Jinkergo Jinkergo AdAo16S779 Jinkergo Jin		U1E2	IYICIAF	- N A IV	GILIARRRIVI <mark>H</mark> II	
Jinkergo HowGG2 Jinkergo Jinkergo AdAo16S779 Jinkergo Jin	UniRef90_B1I	NQU9	KDLHYLK	WYFTKEC	ijpŢĽĸĸŸVĎ	FKIVPPSVSLLQKTPS
Jinker90 JOR003944439 Jinker90 JOR003944439 Jinker90 JOR00394459 Jinker90 JOR00394459 Jinker90 JOR00394559 Jinker90 JOR00394759 Jinker90 JOR003954059 Jinker90 JOR00347596 Jinker90 JOR00347598 JINKER		W6G2	F Y IL ICIVIA T	SPMGTAQ	A RII IQIV L VIM S	A S G A S P PIVIRII IE S S S P SIVI
JAINGRIGO UP100038C35E JAINGRIGO UP100038C35E JAINGRIGO GOIDE9 JAINGRIGO GOIDE9 JAINGRIGO GOIDE9 JAINGRIGO UP10003S940F8 JAINGRIGO UP10003S940F8 JAINGRIGO UP10003S9475F0 JAINGRIGO UP10003F075F0 JAINGRIGO UP10003B08571 JAINGRIGO UP10003F08580 JAINGRIGO UP1003F08580 JAINGRIGO UP10003F08580 JAINGRIGO UP10003F08580 JAING	UniRef90_A0	A016S7N7	QYA <mark>C</mark> IAR	RNEAGEDQ	S V F D T	II V N V A P K II L P S F R S V D V
Jinker90 _ CR0308			TYTCEAR	RVMARGEL	D F K T M K V I V	JN V L P T L R V R H P G V N A T A
JAINGRIGO JAHACABZ JAINGRIGO JAHODOGOSSPAOFB JAINGRIGO JAINGRIGO JAHODOGOSSPAOFB JAINGRIGO	UniRef90_M7	'C308	KYII CVAV	/ NAAGEKQ	R D I  D L  R V Y	VPPNIMGEEQNVSV
Jinker90			VY QCL VE	NQRASAQ	A M A E L K L G D	TV PELIYTFIEQNV
Jinker90	UniRef90_UP	100035940F8	TYECVAE	NEHGVAY	SYRAMIYIK	V R R I A P K F T R A P E D T R V
Jinker90 MAAQY6 Jinker90 MYSMSM2 Jinker90 B7PZA3 Jinker90 B7PZA3 Jinker90 JP1000329725E Jinker90 UP1000420272 Jinker90 UP1000420272 Jinker90 JP10004210472 Linker90 MAYJBA Jinker90 MAYJBA Jinker90 MAYJBA Jinker90 MAYJBA Jinker90 MAYJBA Jinker90 A0A022742 Jinker90 JP1000385874 Jinker90 JP1000385874 Jinker90 JP10003858524 Jinker90 JP1003858524 Jinker90 JP1003858524 Jinker90 A0A0167XEA Jinker90 MAAJNA Jinker90 MAAJ			LYYCAGV	VAPHSGW[	<u>K</u> KFGEGTK L	I V <u>I PPKP</u> I <u>V</u> FLPSLAE
Jinkef90 D1000325255  Jinkef90 U1000320725  Jinkef90 U100032072  Jinkef90 U100032072  Jinkef90 U10003308071  Jinkef90 U10003417574  Jinkef90 U100030808074  Jinkef90 U10003417574  Jinkef90 U1000330808074  Jinkef90 U1000330808074  Jinkef90 U10003417574  Jinkef90 U1000330808074  Jinkef90 U1000330808074  Jinkef90 U1000330808074  Jinkef90 U10003417574  Jinkef90 U1000330808074  Jinkef90 U10003417574  Jinkef90 U1000330808074  Jinkef90 U10003417574  Jinkef90 U100033080807  Jinkef90 U10003417574  Jinkef90 U10003417574  Jinkef90 U100033080807  Jinkef90 U10003417574  Jinkef90 U1003417574  Jinkef90 U100341	UniRef90_M4	AQY6	T Y I C T I Y	'LPYLLAQ	V A M E L E I	VEPPSLSIHPSPLP
Jinkef90 DP10004210272  Jinkef90 MYJ84  Jinkef90 MYJ84  Jinkef90 MYJ84  Jinkef90 A0A0221472  Jinkef90 A0A0221472  Jinkef90 A0A0221472  Jinkef90 JP10003838771  Jinkef90 L9K5J4		MSM2 PZA3	QYILCKAK TYRCEAA	KNSILGETY NEHGQDS	E G E A Q Q R E L Y S A R L N V A G	QEENKPRFILI KPILISTRV   PPT V QP   MANRTIV
Jinkef90	UniRef90_UP	1000392F25E	LY LCVG T	STAGTAR	AAIEVAVVP	ALAPPVRIESSSPSV
JAIRE190 WAXUB3		7100042D0272 QEU1	I Y R C R A S	S N G V E A S L S N D V G L A S	H M A R V N V Y G	P P T I R L M G N V T A
JniRef90 G309N1 JniRef90 UP1000383B771 JniRef90 UP1000383B771 JniRef90 USEU82	UniRef90_W4	IYJ84	AIVCVII	QPALHPT	WSRNVTETL	Y I S Y S P V I I Q S H I R R H I
JniRef90 G309N1 JniRef90 UP1000383B771 JniRef90 UP1000383B771 JniRef90 USEU82			TFTCKIS	SLALAEP	RNKSI VINV LTVDIKLDV	HVR PLKMDVKGVVGHV
Jinker90			Y Y II C Q A II	ISIVIA G S II L	T K A IL L IE IV IE S	A P R IL IP P II I IR Q G P A N H T IL I
Jinker90	UniRef90_S4	RZ80	YYT <mark>C</mark> QAL	SVAGSLL	A K A L L E V G D	ALADSPPIIRQGPQIL
JniRef90		Y5J4 FU82	SYMCVAC	N P A G T A L	GK I KE	JNVQVPPVVSPHPKEHVV
JniRef90	UniRef90_F70	CCA0	TYLCVGT	SSAGSAQ	ARTEVIVIG	EAPHGPTLRIEPSSDTV
JniRef90		10003B58524 DI V9	I Y I L Q N G	G C L P L L K V	F V K Y G K S Y L A H A F I S I O	JS K K V L JP S V JF L L JQ K S P S V P P I J F H V K P S N T H A
JniRef90	UniRef90_A0	A016TXE6	QYRCMAT	TÜNŞÜAT	DDATLTVSA	YASGRPPQPVVDPPHTV
JniRef90		יוי000441F3F4 SMQ7	I Y V C V A C	VGTNMVG	A QIVIDIVISIVIE <mark>H</mark> E R E S F I I A F II	GKPGAPEII HVS PTQTV TVLERPSEVRRPSSOVV
JniRef90	UniRef90_UP	71000273E20E	KYECVAT	NSYSSPA	NLYVRELRE	VRRVAPRFSILPMSHEL
D Y T C   A R N G E G Q   S H T A R V   I A G G A V		70003F70688 DQ94	RYDCEAA	A S R I G G H O	K G V I W L K V I K S M Y L D I E Y	A P K F II S N O T II Y Y S
D Y T C   A R N G E G Q   S H T A R V   I A G G A V	UniRef90_U3	JEA7	QYICRAK	NTUĞEAF	A A V S L Q V G Q	E T T V A P Y F I Q K P S NI K V
D Y T C   A R N G E G Q   S H T A R V I   A G G A V		1000383BE4/ HY38	TYTCVAS	CLASFIII SLKGGGIIS	DISIDVNIS	S S T V P P T V P Q E K S P L V T
D Y T C   A R N G E G Q   S H T A R V I   A G G A V	UniRef90_H3	B0A0	AMNQQWK	GYLE GLIC	LEWLKKY LR	Y R K V R P Q V K L S D R P G S E
JniRef90		10002C44F86 100021A7581	TYTCRAY	VLTTGEL	RERPIRVEV	HIR PTVEEFPAPVDV
JniRef90 W4ZDU6 FYRCTATN I VIGSRTSQIVIFILIYIVIQAAPQILITIVVIPSTRTA	UniRef90_UP	10003DF6235	DYTCLAR	RNGEGQIS	HTARVILAG	GAV LTVPPMNQTK
JniRef90 W4ZDU6 FYRCTATN I VIGSRTSQIVIFILIYIVIQAAPQILITIVVIPSTRTA	UniRef90_A0	A044TJ59	L F E C Q M T	HPSLGAY	RTSASITVL	VPPEKVTIMDIDPGSAV
JniRef90 W4ZDU6 FYRCTATN I VIGSRTSQIVIFILIYIVIQAAPQILITIVVIPSTRTA		IXZ7 IA INS	VYRCTAL	N YL	GSI TAVAQI	V V Q E P P Q II S E R P Q D Q K V
JniRef90 W4ZDU6 FYRCTATN I VIGSRTSQIVIFILIYIVIQAAPQILITIVVIPSTRTA	UniRef90_UP	21000214B95D	EYVCRVP	LEASVLV	TLEPASSMP	ALGVT PPVRLESSSHV
JniRef90 W4ZDU6 FYRCTATN I VIGSRTSQIVIFILIYIVIQAAPQILITIVVIPSTRTA		210003339D45	TYLCEAC	NVFGKAQ	A E T R L T VT G	HAP PQI AGSASTVRV
JniRef90 W4ZDU6 FYRCTATN I VIGSRTSQIVIFILIYIVIQAAPQILITIVVIPSTRTA	UniRef90_M7	BF06	KYECVAT	NSAGTRY	SAPANLYVR	VRRVAPRESIPPSNHEV
JniRef90 W4ZDU6 FYRCTATN II VIGSRTSQIVIFII IYIVIQAAPQII ITIV VIPSTRTA		KDI5 PSS1	EYTCTAS FYTCSWP	SNAAGATS SGTGTT	YSATLI WRW	AVNVA PQII A P F S I N E E P
JniRef90 W4ZDU6 FYRCTATN II VIGSRTSQIVIFII IYIVIQAAPQII ITIV VIPSTRTA	UniRef90_U6	DHJ5	SYTCVA	ENMVGK	ĂĔVSATĽŤV	QVGSEPPHFVVKPRDQV
JniRef90 W4ZDU6 FYRCTATN II VIGSRTSQIVIFII IYIVIQAAPQII ITIV VIPSTRTA		100038716B4 R2G8	TYKCVAK	S A L G S A Q	ARVDVHVVT FTVTIKVME	A Q P G A P E V T A P S T V T V
JniRef90 W4ZDU6 FYRCTATN I VIGSRTSQIVIFILIYIVIQAAPQILITIVVIPSTRTA	UniRef90_Q4	SNE4	SYLCSVR	REGPFHAQ	QLLRLHLF	QPPQVLLSQEKLV
JniRef90 UPI0003503178 T F A CLUS E N RIVIG KILE A S A T L T V R V R P V A P P Q F V I R P R D Q I V	UniRef90_W4	IZDU6	FYRCTAT	N II V	GSRTSQ V F L	IYIVIQ A A P QIL ITIV VIP S T R T A
			T F A C S E	NRVGKLE	A S A T L T V R V	R P V A P P Q F V I R P R D Q I V

		130 140 150 1	160
UniRef90_E2GIC2 UniRef90_F1QFK4 UniRef90_UPI00042C6656 UniRef90_A2AJ76 UniRef90_I6PRM6	LQKSPSSPV AQGRTVTFL LNSPTSLV	C H A T G F F P D R V M L F W R K D G E E H E D V D L G E V L C G T K G N P	L S L
UniRef90_T1IV67 UniRef90_T1JCN0 UniRef90_UPI0003DECA6E UniRef90_UPI0002036B41 UniRef90_UPI0003DF4AB0	FEGRSFIRV NEGESVQLE SPGIEAKLF LEDNTVKFH	CQVYGFHPRAVDVKWMKNGIDQPSYETTHVL SCVVYQGDLPIKFHWLKNNVPLLSKDNLSIF CPVYGYPIHEI KWERHGKNLPFNRRQGVF CEVDGSPIGDEYVTWQKVG SNSELS CSAKANPA VTQYRWAKKGQVIKEASGDFYE	R F S E S
UniRef90_E4Y738 UniRef90_Q0WYX8 UniRef90_F6T7Y3 UniRef90_UPI0002659787		C E V D G S P     G D E Y V   T W Q K   V G	V K N
UniRef90_UPI0002659A54 UniRef90_UPI00033336E4 UniRef90_F1R3X9 UniRef90_UPI0003BC6809	VAGENVSLN	CEASGHPTPUITM LKEGKAQQASPTGNG	N /
UniRef90_UPI000441B0B4 UniRef90_UPI0003BCEFCB UniRef90_G7PA67 UniRef90_J9JNA7	LEEQKATLV  IAGDTVDLQ  NPGEALTLV  VMGYTCMLH	C HV I G P Q D T D V D W L S D G K L I Q P A L L N C P C L V T D F F P D H I T L T W S L N G N S I T E G V K T E E F C L V S G K P K P L L W S R V E E S G V A A A A T A C V T T G G E P A P S L T W V R S F G T L P E K T V L N G G C Q A E G Y P T P T V V W R K S F G D S I G E Y K D F L Y E C A V T G N P R P N Q R W N R G N E S L P E R A E A V G E W V P G N P R P N Q R W S K U S R O P R P N Q R P	P A E
UniRef90_F1RMV8 UniRef90_A0A016TXH2 UniRef90_U6DVD0 UniRef90_UPI00042CBEE6	I I G T S T T I F	CMATGHPHPHVIT WTRGSGFAIDRSRHII	î .
UniRef90_UPI0004573141 UniRef90_UPI0003C25E20 UniRef90_E2B0P8 UniRef90_H9G4L3	DSSTPPTLV LEGSEMVLQ NWGDSVSVV GQGRSVTMS	CETAAFYPEDLKLIWSKDGNEVKTGUNSTKE	<u>E</u> L T F
UniRef90_W5L174 UniRef90_G1U1E2 UniRef90_UPl00001102A5 UniRef90_B1NQU9	L ME F G Q S I I R L G D R L W L R Q T N S M V T L G S P V T	CTVVNG DSPLEIT WALNGMPIEEN HRISVICTVVNG DSPLEIT WALNGMPIEEN HRISVICTRY LRAYPTRVLTFEWALLGNKLLR TGQFCLIDNFYPPSLSITWKVDDREVK GLDWYKNCAARGSPTPRI GWTHNDRPVTEGNCLVKGYFPEPVTVTW NSGSLSSGVHTFPANCHATGFYPSGVWVSRQKDGQEQHEDVHGEIL	V   V   L
UniRef90_H0W6G2 UniRef90_T1JAL8 UniRef90_A0A016S7N7 UniRef90_UP10003944483	KRGEDARIS	CEVRGDA PIKIAWFMNGTLVTRPGETSF	H
UniRef90_UPI00038EC35E UniRef90_M7C308 UniRef90_Q6IDE9 UniRef90_Q4ACB2 UniRef90_UPI00035940F8	AVGQEAVLG LISQAVELR RPGPLISLK EPGVAASLR	C D A D G F P E P T V T WA H N G V Y L E D S D K Y N C T A A G V P P R V V W Y R G D L E V I L A P E G C Q S N A I P P P M L T W L K D G R P L L K K P G L S C S A S G S P P P Q F A W L L D S Q P I M D V S L H H R F C H A D G V P N P K L T W L K N G M D L Q P H G S K Q I S C V A V G S P M P Y V K W R Q A A Q D L T G D D N I P I C C L L D K F F P D V I K V Y W K E K N G N T L L E S Q G N O	S F S
UniRef90_UFI00033940F6 UniRef90_F7DDY6 UniRef90_UPI00034F75F0 UniRef90_M4AQY6 UniRef90_W5MSM2	LPGQTLNLQ	CEASGFAPLPLEMSWEFKGADGKSGRMSGH	R
UniRef90_B7PZA3 UniRef90_UPI000392F25E UniRef90_UPI00042D0272 UniRef90_B7QEU1	VAGRKLLH TEGQTLDLD AEGQTLDLN LSGGNLVVH	CPYSGYPISK VIWRKGRLP SSKRVI CLVAGSGPATVMWYKRGGSLPAGHQVSG CVVPGQPHAQVTWHKRGGSLPARHQTHG CPVGGYPLTAIRWERDGRTLPSGHRQLV CVSRARPPAYIFQWVYNETSLDNGTRYLIVI CLAGSSFPASFITWSLDEENVTENAEVLTTI	М
UniRef90_W4YJ84 UniRef90_W4XUB3 UniRef90_A0A022T4Y2 UniRef90_G3Q9N1	APGSTAQLH	CHI MGN PI PSI QWEKDGORII I IGN DGRII S	V D S
UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82	RAGEAVQLQ AVGSVALLA AVDKPITLP AAGTPATER	CLAHGTP PLTFQWSRVGGHLPAGATARNE CQAMGMPTPS VHWLKDGSKLSLGSARLGE CEADGLPPPDITWHQIAFAQPQDVGRYT <mark>C</mark> TA CNAVADSSIELTIDWUNDGEVIDEENQPREV	E L A V
UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6	N F D F P A S F R	CVSANPY ATVTWHRGG GRPLSPNCHATGFFPDKGIMFWRKDGEEHEGVEHGDLLCEVTGKPTP TVKWVKNGDMVIPSDYFKLVCWVPGIPDCQITWHKERVGGALPH	V
UniRef90_UPI000441F3F4 UniRef90_H2SMQ7 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_U6DQ94		CSATGDPTPTVHWSKLRAPLPWQHQVVND CEARGDPVPTVRWRKDDGDLPKGRYEIRED CVAVGSPMP YVKWMQGAEDLTPEDDMPV RCVSGEGRPPARISWF SPVDGVAVDTSQTE	
UniRef90_U3JEA7 UniRef90_UPI000383BE47 UniRef90_D2HY38 UniRef90_H3B0A0		CVAVGSPMP YVKWMQGAEDLIPEDDMPVC RCVSGEGRPPARISWF SPVDGVAVDSQTF CDVKSNP PASVHWRKEKLVLPAKNLTNL CKVQGSP PLSVNWEKDGRYL CLVHDGAA PISLEWKTRNQELEDNVRISPN CQVTGKPKPLI LWSRADKEVAMPDGSMQM	I
UniRef90_UPI0002C44F86 UniRef90_UPI00021A7581 UniRef90_UPI0003DF6235 UniRef90_E1BN29	LEGEKVQFN	CMVTGFHPRALDVTWIRDGETMDNAHTDGIT CVSREGRPPARLSW SSSLAGEATESQVF CKAHGKPPPK FTWVKSLTHQNLSN CEAKALPG NVTVRWFREGSPVTELSETRV	N T
UniRef90_A0A044TJ59 UniRef90_T1IXZ7 UniRef90_M4AJN8 UniRef90_UPl000214B95D	S E G R F V E F I S P V S	C	I L
UniRef90_UPI0003339D45 UniRef90_UPI00021A4F2F UniRef90_M7BF06 UniRef90_H9KDI5	LIE G Q P V S L P T A G S D T V L T M P G G S V N L T A N W G E Q L S A	C V I LA G K P L P E R R W L R A SR P L F C I S R G Y P A P A I S W F I N D T M V A E Q N S N K M S C V A V G A P M P Y V K W M A G V E E L T K E D E M P V C S V L K G D P P I E I R W S L N G E P I T R S S H P D L C F V H S G D A P I S L E W L K D G L P L R H A H L	S
UniRef90_B7PSS1 UniRef90_U6DHJ5 UniRef90_UPI00038716B4 UniRef90_C4SNE4	VAGRIVIFQ VAGDTATLH NEGQPVTLT	C F V H S G D A P II S L E W L IK D G L P L R H A H N C E A T G N P Q P A II F WR R E G S Q N L L F S Y Q P P C C T A R G E P A P R II E W S K L R A P L P W Q H R V V N G C Q V T G V P V P M II S W Q K D G K M L T N A G P Y C C H S A K Y Y P L D V Q M E W L E P T V S K D Q G S L S S H F	Q Q
UniRef90_Q4SNE4 UniRef90_W4ZDU6 UniRef90_UPl0003EE1807 UniRef90_UPl0003503178	PVGSTLEFS LKGHAKELN	<mark>C</mark> II  A	I

```
PNHDGTFQTSADLKVSSIPPEQSGRFSVSLSGELTIITDVHSEPGGR TLQILNAREDSVDSNGTWEAGGALQLENPGEASPNDGTYQIRVTVDVIPQLENPGEASPNN SSILTIENVEKESIIIYNVQSQSIGRYSTSFNKTSYLHIENPDQEITVDHTFFFGTEGAGVAGNGSLVISRVSRDFETYDGK LLLTSVHEDDGKSEDD TSNLVIRRTIPQF
UniRef90_E2GIC2
UniRef90_F1QFK4
UniRef90_UPI00042C6656
UniRef90_A2AJ76
UniRef90_I6PRM6
UniRef90_T1IV67
UniRef90_T1JCN0
UniRef90_UPI0003DECA6E
UniRef90_UPI0002036B41
UniRef90_UPI0003DF4AB0
UniRef90_E4Y738
UniRef90_Q0WYX8
UniRef90_F6T7Y3
UniRef90_UPI0002659787
UniRef90_UPI0002659A54
UniRef90_UPI00033336E4
 UniRef90_F1R3X9
UniRef90_UPI0003BC6809
UniRef90_UPI000441B0B4
UniRef90_UPI000441B0B4
UniRef90_UPI00003BCEFCB
UniRef90_G7PA67
UniRef90_J9JNA7
UniRef90_F1RMV8
UniRef90_A0A016TXH2
UniRef90_U6DVD0
UniRef90_U6DVD0
UniRef90_UPI00042CBEE6
UniRef90_UPI0004573141
UniRef90_UPI0003C25E20
UniRef90_E2B0P8
UniRef90_H9G4L3
UniRef90_W5L174
UniRef90_W5L174
UniRef90_UPI00001102A5
UniRef90_UPI00001102A5
UniRef90_H0W6G2
UniRef90_H0W6G2
UniRef90_H0W6G2
UniRef90_H0W6G2
UniRef90_UPI0003944483
UniRef90_UPI00038EC35E
UniRef90_UPI00038EC35E
UniRef90_UPI00035940F8
UniRef90_UPI00035940F8
UniRef90_UPI00035940F8
UniRef90_UPI000355940F8
UniRef90_UPI000355940F8
UniRef90_UPI000355940F8
UniRef90_F7DDY6
UniRef90_UPI00034F75F0
UniRef90_M4AQY6
UniRef90_W5MSM2
UniRef90_B7PZA3
UniRef90_UPI000392F25E
UniRef90_UPI00042D0272
UniRef90_B7QEU1
UniRef90_W4YJ84
UniRef90_BYQEUT
UniRef90_W4YJ84
UniRef90_W4YJ84
UniRef90_A0A022T4Y2
UniRef90_G3Q9N1
UniRef90_UPI000383B771
UniRef90_L8Y5J4
UniRef90_L8Y5J4
UniRef90_F7CCA0
UniRef90_F7CCA0
UniRef90_UPI0003B58524
UniRef90_UPI0003B58524
UniRef90_UPI000441F3F4
UniRef90_UPI000441F3F4
UniRef90_UPI0003F10688
UniRef90_UPI0003F10688
UniRef90_UPI0003F10688
UniRef90_UPI000383BE47
UniRef90_UPI000383BE47
UniRef90_UPI0002C44F86
UniRef90_UPI0002C44F86
UniRef90_UPI0002C44F86
UniRef90_UPI0002CA4F86
UniRef90_UPI0002CA4F86
UniRef90_UPI0002CA4F86
UniRef90_UPI0002CA4F86
UniRef90_UPI0002CA4F86
UniRef90_UPI0002C44F86
UniRef90_UPI00021A7581
UniRef90_UPI0003DF6235
UniRef90_E1BN29
UniRef90_A0A044TJ59
UniRef90_HAJN8
                                                                                                                INTNRTIVT AFATLF WKPRRSDTGAVLICE ALHPS
IDFFGT TLRISSIVRKSDEGLYECRAQN
SNNDGTFQTSAELKLSTSE DWTKYDCVFQLSGFDKDLV
SRLRLPQVTPADSGEYVCRVVSSSGTQ
ADGGGSVRADGSLHFDRALQEDTGTYSCVVTNAAGSQHRD
INVGGLYNVSSSLLINELELSDTNGYHCTATNE
RNVLELNNIVQSANYTCVALSSLGMITAQITVKALPKPPT
ITKTGK KNSLLVIDSVTAHHAGEYTCVASN
HSPQGGFM SALSLLASLTPQDDGNYTCRASN
SSRFSVSQTGDLTITNVQRSDVGYYICQ
SLVIPRAAQQDSGQYLCNASSPA
IQTEGG RSTLTIPAAHVSDGAWFQCSAANVA
QHADGSYSLASHLAV PSTVAPGTQLICRVSHRALEAPL
TTKDNGDEVVSTLKLKLKPADRGDSVFFSCHAINS
PNSRYSVSPTGDLTITSIQRSDAGYYICQA
UniRef90_UPI000214B95D
UniRef90_UPI0003339D45
UniRef90_UPI00021A4F2F
 UniRef90_M7BF06
UniRef90_H9KDI5
UniRef90_B7PSS1
UniRef90_U6DHJ5
UniRef90_UPI00038716B4
UniRef90_UP10003671054
UniRef90_K1R2G8
UniRef90_Q4SNE4
UniRef90_W4ZDU6
UniRef90_UP10003EE1807
```

UniRef90\_UPI0003503178

UniRef90_E2GIC2	T K
UniRef90_F1QFK4	
UniRef90_UPI00042C6656	
UniRef90_A2AJ76	
UniRef90_I6PRM6	
UniRef90 T1IV67	
UniRef90 T1JCN0	
UniRef90 UPI0003DECA6E	
UniRef90_UPI0002036B41	SRTVDV
	SKIVDV
UniRef90_UPI0003DF4AB0	
UniRef90_E4Y738	QMT LAV
UniRef90 Q0WYX8	
UniRef90 F6T7Y3	
UniRef90 UPI0002659787	
UniRef90 UPI0002659A54	TITLQLS
UniRef90_UPI00033336E4	
UniRef90_F1R3X9	
UniRef90_UPI0003BC6809	
UniRef90_UPI000441B0B4	
UniRef90 UPI0003BCEFCB	
UniRef90 G7PA67	
UniRef90_J9JNA7	LK
UniRef90 F1RMV8	LIK
UniRef90_A0A016TXH2	
UniRef90_U6DVD0	
UniRef90_UPI00042CBEE6	
UniRef90_UPI0004573141	AKTVS NRSVEL
UniRef90 UPI0003C25E20	NRSVEL
UniRef90 E2B0P8	
UniRef90 H9G4L3	
UniRef90_119G4E3	
UniRef90_G1U1E2	14.14
UniRef90_UPI00001102A5	K K I V
UniRef90_B1NQU9	
UniRef90 H0W6G2	
UniRef90 T1JAL8	
UniRef90_A0A016S7N7	
UniRef90 UPI0003944483	TEEVSLS
UniRef90_UPI00038EC35E	
	E K N V N V N
UniRef90_M7C308	$E K N Y N \overline{V} N$
UniRef90_Q6IDE9	
UniRef90_Q4ACB2	
UniRef90_UPI00035940F8	
UniRef90 F7DDY6	QELLFPS
UniRef90 UPI00034F75F0	
UniRef90 M4AQY6	RASVTLN
UniRef90 W5MSM2	K K O L I L IV
UniRef90_W3W3W2 UniRef90_B7PZA3	
	Г ^ С
UniRef90_UPI000392F25E	EAS
UniRef90_UPI00042D0272	
UniRef90_B7QEU1	
UniRef90_W4YJ84	
UniRef90_W4XUB3	E K A L C L T
UniRef90_A0A022T4Y2	
UniRef90_G3Q9N1	
UniRef90_G3Q9N1 UniRef90_UPI000383B771	Q
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80	Q
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4	
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82	Q VR
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524	Q VR
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPl000441F3F4	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPl000441F3F4 UniRef90_H2SMQ7	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPI000441F3F4 UniRef90_H2SMQ7 UniRef90_UPI000273E20E	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPl000441F3F4 UniRef90_UPl000473E20E UniRef90_UPl0003F10688	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPQ94	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L8Y5J4 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0Q94 UniRef90_UG904	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI00Q94 UniRef90_UBQ94 UniRef90_UBQ94 UniRef90_UPI000383BE47	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI000383BE47 UniRef90_UPI000383BE47 UniRef90_UPI00383BE47	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI00Q94 UniRef90_UBQ94 UniRef90_UBQ94 UniRef90_UPI000383BE47	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI0003H3F3F4 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003B5BE47 UniRef90_UPI0003B5BE47 UniRef90_UPI0003B5BE47 UniRef90_UPI0003B5BE47 UniRef90_UPIY38 UniRef90_DHY38 UniRef90_H3B0A0	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003F4 UniRef90_UPI0003F10688 UniRef90_UPI0003F4 UniRef90_UPI0003F4 UniRef90_UPI0003BE47 UniRef90_UPI0003BE47 UniRef90_UPI0003BE47 UniRef90_UPI0003BE47 UniRef90_UPI0003BE47 UniRef90_UPI0003BE47 UniRef90_UPI0003BE47 UniRef90_UPI0003BE47	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L8Y5J4 UniRef90_L9EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003B58E47	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPl0003B58524 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl000274F86 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl00021A7581 UniRef90_UPl0003B56235	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L5EU82 UniRef90_F7CCA0 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B581 UniRef90_UPI0002C44F86 UniRef90_UPI0003DF6235 UniRef90_UPI0003DF6235	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003F3E47 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B547 UniRef90_UPI0003B551 UniRef90_UPI0003D56235 UniRef90_E1BN29 UniRef90_BA0A0444TJ59	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003F3E20E UniRef90_UPI0003F3E20E UniRef90_UPI0003F3E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F40688 UniRef90_UPI0003B583BE47 UniRef90_UPI0003B583BE47 UniRef90_UPI0003D56235 UniRef90_UPI0003DF6235 UniRef90_E1BN29 UniRef90_A0A0444TJ59 UniRef90_A0A0444TJ59 UniRef90_T1IXZ7	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L8Y5J4 UniRef90_L9EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_UPl000441F3F4 UniRef90_UPl000473E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003B58524 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F47 UniRef90_UPl0003B3BE47 UniRef90_UPl0003B3BE47 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_L1IXZ7 UniRef90_M4AJN8	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI000441F3F4 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI000383BE47 UniRef90_UPI000383BE47 UniRef90_UPI0003B58524 UniRef90_UPI0003B58524 UniRef90_UPI0003B58524 UniRef90_UPI0003B58525 UniRef90_UPI0002147581 UniRef90_UPI0003B56235	Q ☑R ☐☐T ☐T R S T K
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L8Y5J4 UniRef90_L9EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_UPl000441F3F4 UniRef90_UPl000473E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003B58524 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F47 UniRef90_UPl0003B3BE47 UniRef90_UPl0003B3BE47 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_L1IXZ7 UniRef90_M4AJN8	Q ☑R ☐☐T ☐T R S T K
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI0003B58524 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003B58547 UniRef90_UPI0003B58547 UniRef90_UPI0003B58547 UniRef90_UPI0003B58547 UniRef90_UPI0003B58547 UniRef90_UPI0003B58547 UniRef90_UPI0003B5855 UniRef90_UPI0003B5855 UniRef90_UPI00021A7581 UniRef90_UPI0003D56235 UniRef90_UPI0003D505003339045	Q VR TITITRS
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_UPI0003B58524 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003F3E20E UniRef90_UPI0003F3E20E UniRef90_UPI0003F47 UniRef90_UPI0003F47 UniRef90_UPI0003B58547 UniRef90_UPI0003B58547 UniRef90_UPI0003B58547 UniRef90_UPI0003B5851 UniRef90_UPI0003DF6235 UniRef90_UPI0003DF6235 UniRef90_E1BN29 UniRef90_A0A044TJ59 UniRef90_T1IXZ7 UniRef90_M4AJN8 UniRef90_UPI000214B95D UniRef90_UPI00033339D45 UniRef90_UPI00033339D45 UniRef90_UPI00031A4F2F	Q VR IITIT RS TK
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPl0003B58524 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F3E20E UniRef90_UPl0003F3E20E UniRef90_UPl0003F47 UniRef90_UPl0003B3BE47 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl00021A7581 UniRef90_UPl00021A7581 UniRef90_UPl00021A7581 UniRef90_UPl00021A7581 UniRef90_UPl00021A759 UniRef90_UPl00021AF95D UniRef90_UPl0003339D45 UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F	Q ☑R ☐☐T ☐T R S T K
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L5EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl0003B5BE47 UniRef90_UPl0003B5BE47 UniRef90_UPl0003B5BE47 UniRef90_UPl00021A7581 UniRef90_UPl00021A7581 UniRef90_UPl0003B5E235 UniRef90_UPl0003B5B5D UniRef90_UPl00021A4F2F UniRef90_UPl0003B33B45 UniRef90_UPl0003B5E66 UniRef90_UPl0003B5E66 UniRef90_UPl0003B5E66	Q VR IITIT RS TK
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L5EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F3E20E UniRef90_UPl0003F3E20E UniRef90_UPl0003F3E20E UniRef90_UPl0003F3E20E UniRef90_UPl0003F3E20E UniRef90_UPl0003F3E20E UniRef90_UPl0003F3E20E UniRef90_UPl0003F3E20E UniRef90_UPl0003B3BE47 UniRef90_UPl00021A7581 UniRef90_UPl00021A7581 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl0003B95D UniRef90_UPl000214B95D UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPRO0021A4F2F UniRef90_UPRO002B7PSS1	Q VR IITIT RS TK
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI0003B58524 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003F3E20E UniRef90_UPI0003F3E20E UniRef90_UPI0003F3E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F47 UniRef90_UPI0003B583E47 UniRef90_UPI0003B58547 UniRef90_UPI0003B58547 UniRef90_UPI00021A7581 UniRef90_UPI0003DF6235 UniRef90_UPI0003DF6235 UniRef90_E1BN29 UniRef90_A0A044TJ59 UniRef90_T1IXZ7 UniRef90_M4AJN8 UniRef90_UPI000214B95D UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00DB5	Q VR IITIT RS TK
UniRef90_G3Q9N1 UniRef90_UPI000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_U5EU82 UniRef90_F7CCA0 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPI0003B58524 UniRef90_UPI000441F3F4 UniRef90_UPI000273E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003F3E20E UniRef90_UPI0003F3E20E UniRef90_UPI0003F10688 UniRef90_UPI0003F10688 UniRef90_UPI0003B583BE47 UniRef90_UPI0003B583BE47 UniRef90_UPI0003B583BE47 UniRef90_UPI00021A7581 UniRef90_UPI00021A7581 UniRef90_UPI0003T56235 UniRef90_UPI0003T56235 UniRef90_UPI00021A7581 UniRef90_UPI00021A7581 UniRef90_UPI00021A7581 UniRef90_UPI00021A759 UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI00021A4F2F UniRef90_UPI0003339D45 UniRef90_UPI00021A4F2F UniRef90_UPI000338716B4	Q VR IITIT RS TK
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L8Y5J4 UniRef90_F7CCA0 UniRef90_P7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl000383BE47 UniRef90_UPl000383BE47 UniRef90_UPl0003B747 UniRef90_UPl0003B7486 UniRef90_UPl0003DF6235 UniRef90_UPl0003A95D UniRef90_UPl0003A95D UniRef90_UPl0003A95D UniRef90_UPl0003A976B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4	Q VR IIIT □T RS TK
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L8Y5J4 UniRef90_L9EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl000383BE47 UniRef90_UPl000383BE47 UniRef90_UPl0003B3BE47 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl000214A75B1 UniRef90_UPl000214AF2F UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPL0003B716B4 UniRef90_UPLQ8SBE	Q VR IITIT RS TK
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L8Y5J4 UniRef90_F7CCA0 UniRef90_P7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_A0A016TXE6 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl000383BE47 UniRef90_UPl000383BE47 UniRef90_UPl0003B747 UniRef90_UPl0003B7486 UniRef90_UPl0003DF6235 UniRef90_UPl0003A95D UniRef90_UPl0003A95D UniRef90_UPl0003A95D UniRef90_UPl0003A976B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4	Q VR IIIT □T RS TK
UniRef90_G3Q9N1 UniRef90_UPl000383B771 UniRef90_S4RZ80 UniRef90_L8Y5J4 UniRef90_L8Y5J4 UniRef90_L9EU82 UniRef90_F7CCA0 UniRef90_UPl0003B58524 UniRef90_B3DLV9 UniRef90_B3DLV9 UniRef90_UPl000441F3F4 UniRef90_UPl000273E20E UniRef90_UPl0003F10688 UniRef90_UPl0003F10688 UniRef90_UPl000383BE47 UniRef90_UPl000383BE47 UniRef90_UPl0003B3BE47 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl0002C44F86 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl0003DF6235 UniRef90_UPl000214A75B1 UniRef90_UPl000214AF2F UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPl00021A4F2F UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPl0003B716B4 UniRef90_UPL0003B716B4 UniRef90_UPLQ8SBE	Q VR IIIT □T RS TK



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

E K D G M A L D E W D R S H F A L E L G A A G G L G T L R I L A A R L P D S Y H N T E P V Q T S Q R I N I I D G D L H I S E V Q R K O G R K L S S S K V H V E A E G C T R R L V V Q A G Q A D R K E G G S L P P Q A R S E R T N A T L L I P A I T T A D D R K E G G S L P P Q A R S E R T N A T L L I P A I T T A D D R T K L R W D D I T K L R W D D I T K D G K K L S S S D V R E L A D G T C E M R I S A A A H R S D T C E M R I S A L R I S N L S L M I S N L S L M I S N L S L M I S N L S L M I S N L S L R I S N L S L M I S N L S L M I S N L S L M I S N L S L R I S N L S L M I S N L S L M I S N L S L M I S N L S L M I S N L S L M I S N L S L M I S N L S L R I S N L S L UniRef90\_UPI00034FDEB4 UniRef90\_U6IPT0 UniRef90\_UPI00045D8816 UniRef90\_H0X210 UniRef90\_K9J926 UniRef90\_UPI00026571E3 UniRef90\_UPI000203ADE0 UniRef90\_UPI0004440E4D UniRef90\_UPI0003EACF7D UniRef90\_E2BT16 UniRef90\_Q7PXW9 UniRef90\_UPI0002C58F7F UniRef90\_UPI0003DECA33 UniRef90\_UPI00034FA138 UniRef90\_UPI00034F6D36 UniRef90\_V4B0P8 UniRef90\_H2RZV4 UniRef90\_H2U9G7 UniRef90\_T0MJE1 UniRef90\_UPI00046B9385 UniRef90\_A0A044SXW9 UniRef90 Q4SPG3 UniRef90\_UPI00022472FB UniRef90\_UPI0001CB9F8B UniRef90\_UPI0003C277A9 UniRef90\_UPI0003C277A9 UniRef90\_UPI00046BF68B UniRef90\_B1B6T9 UniRef90\_G3Q2S1 UniRef90\_UPI0003C17F95 UniRef90\_UPI00046D2B7D UniRef90\_UPI00046D2B7D ĖEE GGGQ UniRef90\_G6CXI4 UniRef90\_H2MC74 UniRef90\_I6PZH3 UniRef90\_K1R2P7 UniRef90\_UPI000258E32E UniRef90\_O60469 UniRef90\_UPI0001C591F2 UniRef90\_UPI0002235941 UniRef90\_UPI00046276F2 UniRef90\_UPI0002C444A4 UniRef90\_UPI0002C444A4 UniRef90\_W4X4P8 UniRef90\_T1JAD1 UniRef90\_UPI00044040E6 UniRef90\_UPI000265827C UniRef90\_H2LZ48 UniRef90\_UPI00033150C8 UniRef90\_UPI0002C345EA UniRef90\_H2SK91 UniRef90\_U4UG99 UniRef90\_A0A026VV94 UniRef90\_F6W9D2 UniRef90 E9Q395 UniRef90\_UPI0002651D3F UniRef90\_N6UNI2 UniRef90\_N6TYM5 UniRef90\_UPI000398EC21 UniRef90\_UPI0003C29CC4 UniRef90\_UPI0003C29CC4
UniRef90\_S7MVD6
UniRef90\_W4Y9D9
UniRef90\_UPI00045DCE9E
UniRef90\_B3RXE3
UniRef90\_M7BHL1
UniRef90\_J9EAR1
LipiRef90\_O7OH02 :GG%GGGGGAGLGG UniRef90\_Q7QH02 UniRef90\_B3DN60 UniRef90\_A8P9Y0 UniRef90\_UPI0003C8EB7F UniRef90\_UPI000329778B UniRef90\_UPI000329778B UniRef90\_I1F9U0 UniRef90\_B4MYK3 UniRef90\_B4MYK3 UniRef90\_UPI00034FAF2B UniRef90\_UPI00042BC2F0 UniRef90\_G3WXH5 UniRef90\_F7GDD2 UniRef90\_UPI0003EBCBAB UniRef90\_D6WFC0 UniRef90\_UPI0002658270 UniRef90\_UPI0003F0D827 UniRef90\_D1KF55 Ğ UniRef90\_UPI0003D0A1D5

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

sol5

United 90 Deligo		90 100 110	120
Uminer90 UP10003406400 DP10003406400 DP10003406400 DP10003406400 DP10003406400 DP10003406400 DP10003406400 DP10003406400 DP10003406400 DP10003406400 DP1000350E7439 DP10003406400 DP1000350E7439 DP10003406400 DP1000350E7439 DP1000340640 DP1000350E7439 DP1000340640 DP1000350E7439 DP1000340640 DP1000350E7439 DP1000340E7430 DP1000340E7430 DP1000340E7430 DP1000340E7430 DP1000340E7430 DP1000340E7430 DP1000340E7430 DP1000340E7430 DP1000340E7430 DP1000440060 DP1000340E7430 DP1000340E7430 DP10004406400 DP1000440640 DP10004406400 DP1000440		WEWCHAPNAHGHAOAGALIOWOOPPETDPEDPDE	$\Delta D T D   V V  $
Uminer90 UP1000340640 D	UniRef90_UPI00045D8816	EYSCEAGGORLSFHLH VAGPEPOISER	PCRREP SSSPSV
Uminer90 UP1000340640 D	UniRef90_K9J926	ARIKELKNSLTYLCPELLKKYLDYGNSSLQRKDL	PSVSLL
UNICKERD UP100030ECA3 X V		DEVENER REPORT OF COMPRESSION REPORTS FOR A POLICY OF THE PROPERTY OF THE PROP	KIIHRP
UMRREPO JUPIOSOSDECAS MA		L Y V C K L H S E C G T K Q V E C R V E V K A A A Q L E L R I T R A A D A R E O T N Y I E N T C I E W V K K Y V E Y R T E R P O V S V Y	A E D V A V
Umrefelo UP10003ECM57  N Y Y C LA A R N E A A A VIE HO S W E T A CLE Y RIVIP P K F V Y D P R D O D A UMREFELO UP10003ECM58  WY C K A F A N A E T F A ILL T VIE RO D A SUN A SUD A UMREFELO UP10003ECM58  Umrefelo UP10003ECM58  WY O K S I IR N D Q E S A S A S A S EL KL IL W G G F A P P P Q S R A S A S A S A S A S A S A S A S A S	UniRef90_E2BT16	VYTCWARNKQGHSARRSGDV AVIVPPKI SPF	TADRDL
UMRR890 V-980P2  UNR890 V-980P3  UNR890 V-980P	UniRef90_UPI0002C58F7F	NYT <mark>C</mark> II ARNEAAAIVIEHOS OII I VIRIVIPPKEIV VIO	PRDODG
UMRR890 V-980P2  UNR890 V-980P3  UNR890 V-980P		KYTCKAFNAETSATLITVIKETAPEEQPSSPVIFVIKE NYTCEFAT FPKGTRSGVITWLIRVIJAQPQSRAE	L M A S V A A Q E V T L
Uniterior   Light		MYQCSIRNDQESASASAELKL GGRFEPPQIRHS	F G E Q T F
UNRESON UPRO002427278  UNRESON UPRO002427278  UNRESON UPRO002427278  UNRESON UPRO002427278  UNRESON UPRO002427278  UNRESON UPRO002427489  UNRESON UPRO002427489  UNRESON UPRO002427489  UNRESON UPRO002407489  UNRESON UPRO0046078978  UNRESON UPRO0046078978	UniRef90_H2RZV4	LYTCKVSNQHGSDECTASLTVTEQQIH PALISK	PGHQTL
UNRESON UPRO002427278  UNRESON UPRO002427278  UNRESON UPRO002427278  UNRESON UPRO002427278  UNRESON UPRO002427278  UNRESON UPRO002427489  UNRESON UPRO002427489  UNRESON UPRO002427489  UNRESON UPRO002407489  UNRESON UPRO0046078978  UNRESON UPRO0046078978	UniRef90_T0MJE1	TYVCLAQNALGTAQKRVEVIVDTGIPGAPQVQVE	EAELTV
UniReigo Jupinou2267288 T. V.		SYSCVAKNFAGEAEASFTVIVLITPY[]EEQII	L S D L  K  V   D Q N  L  R  I
UniRef90 UP100036277AB UniRef90 B18619 UniRef90 B18619 UniRef90 UP10003627ABB UniRef90 UP10004067BBBBB UNIREf90 UP10003627ABB UNIREf90 UP10004067BBBBB UNIREf90 UP10004067BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB		AYQCEATRKGQTAQDESILLLIEDGT PRILVIAS	FSERIVV
UniRef90 UP1000466F68B UNIRef90 L910003C1F95 UNIREf90 L91003C1F95 UNIREf90 L91003C1F95 UNIREf90 L91003C1F95 UNIREf90 L91003C1F95 UNIREf90 L910003C1F95 UNIREf90 L910002C2B7D UNIREf90 L910002SB7D UNIREf90 L910002SB3D UNIREf90 L910003SB3D UNIREf90 L91000SB3D UNIREf90 L9100D UNIREf90 L9100D UNIREf90 L9100SB3D UNIREf	UniRef90_UPI0001CB9F8B	TYVCMASNPAGVNSKNIHLIVH VAPSI IDV	SQVVTV
Unike990 UP0003C17F95 Unike990 UP0003C17F95 Unike990 UP0003C17F95 Unike990 UP0003C17F95 Unike990 UP0003C18F2F2 Unike990 UP0000258F32E Unike990 UP0000258F32E Unike990 UP0000258F32E Unike990 UP00003C18F2F2 Unike990 UP0000258F32E Unike990 UP0000258F32E Unike990 UP0000258F32E Unike990 UP0000258F32E Unike990 UP0000258F32E Unike990 UP0000426F65 Unike990 UP0000426F68 W Y Y C NA N N S A GIV V L V Q A R INV K Q D R V K V V V U Unike990 UP00004276F6 UNike990 UP0004276F6 UNIke990 UP000440F6 UNIke990 UP000440F6 UNIke990 UP000440F6 UNIke990 UP000440F6 UNIke990 UP00440F6 UNIke9	UniRef90_UPI00046BF68B	GYFCQLYTDDTHHQLALL TVLVAPENPTV	EVKEQA
UniRef90 _UPI0003C17F95		D T <u>V C K H</u> N Y Q	PSKAE TESVSS
UniReigo JUPI00401287/10 UniReigo JEGCXI4 UNIREIGO HERCATA A Y Q Q F A RK G K M S A Q D F Y Q Q L L E D T D G T P K L S S F S E K Y Y L UNIREIGO HERCATA A Y Q Q F A RK G K M S A Q D F Y Q Q L L E D T D G T P K L S S F S E K Y Y L UNIREIGO HERCATA UNIREIGO JUPI00020389321 UNIREIGO JUPI00015091F2 UNIREIGO JUPI00020389342 UNIREIGO JUPI0002038941 UNIREIGO JUPI00020389541 UNIREIGO JUPI00020389541 UNIREIGO JUPI00020389541 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896027 UNIREIGO JUPI0003896027 UNIREIGO JUPI0003896027 UNIREIGO JUPI0003896027 UNIREIGO JUPI0003896021 UNIREIGO JUPI0003896021 UNIREIGO JUPI0003896021 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896024 UNIREIGO JUPI0003896027 UNIREIGO JUPI0003896027 UNIREIGO JUPI0003897602 UNIREIGO JUPI00038	UniRef90_UPI0003C17F95	MIDTPHKQKKTUNLKVKAAPKLSI AYTCRA YSTOGFAMHTTRIIVOGPPFIVSP	PNHLV PENTTV
UniRef90   H2MC74	UniRef90_UPI00046D2B7D	NYSCIVIA RNILIA A EIVIS QI QRIL V VIH VIPPR WII VIE	PSDISIVI
UniReigo (R1R2P7) UniReigo (P1000258E32E  T Y Y S C R A S N T N F N I S I E K T I L V I D V Y I K P I S V I K I S K P T I V UniReigo (P00063) UniReigo (P10001591F2  T Y Y C R A S N T N F N I S I S I E K T I V V I D V Y I K P I S V I K I S K P T I V I UniReigo (P10002359941  T Y Y C A R R G R Y G R X Y D Y G R X Y D I V I N F D P Y W G Q S T K G P S I R P I A P S S K S UniReigo (P10000427692  UniReigo (P10000427694  E Y Y C R A S N A F G Y V L Y Q A R I N V R G P A S I R P I A P S S K S UniReigo (P10000427694)  UniReigo (P10002644444  E Y T C N I V L V Q P Q IL S T S Q S V H I V A V M P I I I Q P F E F P P A S UniReigo (P1000444066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UniReigo (P10004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UniReigo (P1000264404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UniReigo (P1000264404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UniReigo (P100004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UNIREigo (P100004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UNIREigo (P100004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UNIREigo (P100004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UNIREigo (P100004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UNIREigo (P100004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UNIREIgo (P10004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UNIREIgo (P10004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E H V L UNIREIgo (P10004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E G F K E R L V L UNIREIgo (P10004404066)  M Y Q C L A T N D H E T A Q G T A E L R L G D A A A P D V I E R P V I E R P V I	UniRef90_H2MC74	AYQCFARKGKMSAQDFVQVILEDTDGT PKILSS	FSEKVV
Dinire   D	UniRef90_K1R2P7	EYSCLAENLAGQDTAKATLEYI _ ERPQIDMY	E K K V V V
Dinire   D		T T Y K C R A S N T N F N L  S L E K T  V L L  D  V  Y  L  K P  L  S  V  K  L L    V   Y R C T A N N S A G  V V L  Y Q A R    N V  R G P A S    R P	SKPTIL MKNITA
Dinire   D		TYYCARRGFYGRKYEVNHFDYWGQSTKGPSVFPL	A P S S K S F F P P A S
UniRef90	UniRef90_UPI00046276F2	RYDCEAASRIGGHQKSMFLDIEY	QTIYYS
UniRef90_UPI0002345EA UniRef90_UPI0002C345EA UniRef90_UPI0002C34EA UniRef90_UPI0002C34EA UniRef90_UPI0002C34EA UniRef90_UPI0002C34EA UniRef90_UPI0002C34EA UniRef90_UPI0002C3ED1D3F RYE_Q	UniRef90_W4X4P8	NYTCVAEN MAGET DISVQLVISTPPSIISS	PESLSV
UniRef90_UPI0002345EA UniRef90_UPI0002C345EA UniRef90_UPI0002C34EA UniRef90_UPI0002C34EA UniRef90_UPI0002C34EA UniRef90_UPI0002C34EA UniRef90_UPI0002C34EA UniRef90_UPI0002C3ED1D3F RYE_Q		MYQCLATNDHETAQGTAELRLIGD AAPDVIEG MYYCAVWEKHVGWKKVFGEGTKLMVAPSPKPTIF	FKEHVL LPSIAE
Unire(90			
UniRef90_H2SK91 UniRef90_D4UG99 UniRef90_A0A026VV94 UniRef90_A0A026VV94 UniRef90_E9Q395 UniRef90_E9Q395 UniRef90_UPl0002651D3F UniRef90_N6UN12 UniRef90_N6UN12 UniRef90_N6UN12 UniRef90_N6UN12 UniRef90_UPl0003262C12 UniRef90_UPl0003298C21 UniRef90_UPl000328EC21 UniRef90_UPl000328EC21 UniRef90_UPl000328EC21 UniRef90_UPl00035C9CC4 UniRef90_UPl00035C9CC7 UniRef90_UPl00035C8E87F UniRef90_UPl00035C8E87F UniRef90_UPl00035C8E87F UniRef90_UPl00035C8E87F UniRef90_UPl00035C8E87F UniRef90_UPl00035C8E87F UniRef90_UPl00035C8C8C7 UNIREF90_UPl	UniRef90_UPI00033150C8	EYVCRANNIDAVETSHMVSVMPSAGRPSPIRIE	P S S S H V
UniRef90	UniRef90_H2SK91	NYTCHADG YEQILIEQTHTILIQIVINIVISIVIPPIVLIQIVIY	PESOAR
UniRef90	UniRef90_A0A026VV94	QYMCQVFTTGFPSLLSDPAVLTVEEKLKFSPQ	PVNKRL
Uniref90		RYF <mark>C</mark> Q   LIYTDPPQEILIYTTII ITIVL VIPPRNILIMII I	DILIQKDT
UniRef90_UP10033C29CC4 UniRef90_S7MVD6 UniRef90_W4Y9D9 UniRef90_UP10003C5E0E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP10003C8EB7F UniRef90_UP10003C8EB7F UniRef90_UP10003C8EB7F UniRef90_UP10003C8EB7F UniRef90_UP10003C8EB7F UniRef90_UP10003C9778B UNIREF90_UP100		RYE <mark>C</mark> AAKNSII IGTRYSIVIFAQIVIYIVIKDRQIVIFPRFTII II	PFNOFV
UniRef90_UP10033C29CC4 UniRef90_S7MVD6 UniRef90_W4Y9D9 UniRef90_UP10003C5E0E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP100045DCE9E UniRef90_UP10003C8EB7F UniRef90_UP10003C8EB7F UniRef90_UP10003C8EB7F UniRef90_UP10003C8EB7F UniRef90_UP10003C8EB7F UniRef90_UP10003C9778B UNIREF90_UP100		EYECEATNQKAKAFLNÖQCKSHFDRVYKAKVVYA	PPELHL
UniRef90_B3DN60 UniRef90_A8P9Y0 UniRef90_UPl0003C8EB7F UniRef90_UPl0003B37F6C UniRef90_UPl0003S37F6C UniRef90_UPl0003B37F6C UniRef90_UPl0	UniRef90_UPI000398EC21	LYRCVVGYGTLEHHGETILRLL AAPTVSI	PRKPA
UniRef90_B3DN60 UniRef90_A8P9Y0 UniRef90_UPl0003C8EB7F UniRef90_UPl0003B37F6C UniRef90_UPl0003S37F6C UniRef90_UPl0003B37F6C UniRef90_UPl0	UniRef90_S7MVD6 UniRef90_W4Y9D9	LLVCQAFQPNAASMEYWSVS <u>EVLQ</u> VFYSPVI <u>RQG</u>	S V R R V T
UniRef90_B3DN60 UniRef90_A8P9Y0 UniRef90_UPl0003C8EB7F UniRef90_UPl0003B37F6C UniRef90_UPl0003S37F6C UniRef90_UPl0003B37F6C UniRef90_UPl0	UniRef90_UPI00045DCE9E UniRef90_B3RXE3	EYVCVARNPSGDDTKMYKLDV VSKPPLINGL NYTCV SSNLAGNTTKTIKITVLAPPTIVET	YTNRTV PQSIAV
UniRef90_B3DN60 UniRef90_A8P9Y0 UniRef90_UPl0003C8EB7F UniRef90_UPl0003B37F6C UniRef90_UPl0003S37F6C UniRef90_UPl0003B37F6C UniRef90_UPl0	UniRef90_M7BHL1	QFICHARNNQGSVQASAII VQAPPQFTVS	PYNQVV
UniRef90_UPI0003837F6C UniRef90_UPI000329778B UniRef90_UPI000329778B UniRef90_UPI000329778B UniRef90_UPI000329778B UniRef90_UPI000329778B UniRef90_UPI00034FAF2B	Unikei90_Q/QH02	YYICSALSVAGSTVSRAYLQVLTSESSPPPILQL	V P A N Q T
UniRef90_UPI0003837F6C UniRef90_UPI000329778B UniRef90_UPI000329778B UniRef90_UPI000329778B UniRef90_UPI000329778B UniRef90_UPI000329778B UniRef90_UPI00034FAF2B	UniRef90_A8P9Y0	KYVCI AKNQEGEAKTAMQLDVEPKKGTPPKFRID	GRREAL
UniRef90_UP1000329778B UniRef90_UP1000329778B UniRef90_UP1000329778B UniRef90_UP1000349778B UniRef90_UP1000349778B UniRef90_UP10003497452B UniRef90_UP100034FAF2B UniRef90_UP100042BC2F0 UniRef90_UP100042BC2F0 UniRef90_UP10003EBCBAB UNIREf90_UP10003EBCBA		I Y E C T A T N S V G E I N T S A K L T V L E E D Q I P P T I D M G	P Q L K V V
UniRef90_UPI0003EBCBAB			$e p e \wedge e =$
UniRef90_UPI0003EBCBAB	UniRef90_B4MYK3	VY E CQVS T H P P T S I F L H L S V V E A R A E I S P P L R Y L R Y S C F A T N T H G K A S T Y A R II A V V T D R T V P P O F T M R	T P G S T L
UniRef90_UPI0003EBCBAB	UniRef90_UPI00042BC2F0	VYQCMARNVAGEVKTQSAFLRYSSVPTKPSFLTQ	PRNTEV
UniRef90_D6WFC0 UniRef90_UPI0002658270 UniRef90_UPI0003F0D827 UniRef90_UPI0003F0D827 UniRef90_UPI0003D0A1D5    V	UniRef90_F7GDD2	TYACRARNVYTGEELLQKKEVTI RELEAPFLLRD	LVDQLV
UniRef90_UPI0002658270       VF SVK A ENVGGT A KTSANL VVEERPVVPPNFTKT QSQRS         UniRef90_UPI0003F0D827       VF SVK A VNKVGSDVCRAELFVL PAKCPPSFVIKPENIEA         UniRef90_UPI0003D0A1D5       MYQCFVRNDQESAQGTAELKLGGRFEPPQLIYTFQTNTL         UniRef90_UPI0003D0A1D5       QYMCFAASAAGNASTLG	UniRef90_D6WFC0	KYECMAENAL GT DYSKSAQL YVKVRRVSPQFSLP	PPLSEV
UniRef90_D1KF55 MYQCFVRNDQESAQGTAELKLGGRFEPPQLIYTFQ TNTL UniRef90_UPl0003D0A1D5 QYMCFAASAAGNASTLG KILVQVPPRFVNKVRATPF	UniRef90_UPI0002658270	V F S V K A E N V G G T A K T S A N L V V E E R P V V P P N F T K T E F E V K A V N K V G S D V C R A E L F V L P A K C P P S F V I K	I Q S Q R S P E N I E A
Ctotalor. Control of the control	UniRef90_D1KF55	MYQCFVRNDQESAQGTAELKLGGRFEPPQLIYTF QYMCFAASAAGNASTUG	Q TNTL VRATPF
	to.co_o. 1000050/1150	The state of the s	

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

	4	120	140	150 160
UniRef90_UPI00034FDEB4	E P G K H A K F R C	130 CYVMGKF	140 PEPEIE	150 WH WE G R P L L P D R R R L M Y
UniRef90_U6IPT0	KVG E DVE FV	P V N G D F	KPSIL	WH WE GRPLL PDRRRLMY WRRENGQHIPEDRSVLR WLKDGVELRRSKRHETA
UniRef90_UPI00045D8816 UniRef90_H0X210	TEGOTIDINO	V V A G S A	HTOVTWY	R R G G R II P P H A Q V H G
UniRef90_K9J926	QKTPSSPVSC	CHATGFY	PDRALMF	WRKDGEEHEDVDHGELL
UniRef90_UPI00026571E3 UniRef90_UPI000203ADE0	DVGETAYLE	RMQAY	P E P T F E WT	WERDGREPHAQVHG  RRGGREPHEDVDHGELL  YRSRTVGTYSQYSTNKT  WLKDGKIVDDENHVKVV  WLSNGKLIQPALLNCK  LQRDGQDLQEDVHSGEV
UniRef90_UPI000203ADE0	KAGESAIFE	HI T G P P	DVEVD	WLSNGKLIQPA LLNCK
UniRef90_UPI0003EACF7D	SGSQGPEVT	LATGFF	PKDIVVH	LQRDGQDLQEDVHSGEV
UniRef90_E2BT16 UniRef90_Q7PXW9				
UniRef90_UPI0002C58F7F	TY GKAVTUN	SAEGYF	V P T I V W K	WL H D N R E I K N S A D F E Y L F S K G A G V P Q F WF K N D V N I D N S P D Y V I T
UniRef90_UPI0003DECA33	LENSSHQLNC	TVKGNF	PETVQ	WFKNDVNLDNSPDYVLT
UniRef90_UPI00034FA138 UniRef90_UPI00034F6D36	SLDPVPVARC RSGPSLRLK	VASGNE	TPDI	WISALEGEARDSQEPGP WLLDGEKLSSGERLQIG
UniRef90_V4B0P8	K E C N D IVIT II IS (			WOKDGH
UniRef90_H2RZV4 UniRef90 H2U9G7	YVGQRALIH	V I K G S	DPLNVV	WIKDNQTLPKGSERYQT WYRNTEPLLPDQHFSIQ KLRSPLPWQHQLEGD WLHNGNEIQ ESEDFH
UniRef90_T0MJE1	EAGHTATLR	S A T G S F	TPTIHWS	KLRSPLPWQHQLEGD
UniRef90_UPI00046B9385	MDGSQVTMTV	/QVSGNF	PPEVI	WL HNGNEIQ ESEDFH
UniRef90_A0A044SXW9 UniRef90_Q4SPG3	V Q G N R V I M H C	CAAKGAF	PPTITWN	LDDEPVARDLSVRTSQY
UniRef90_UPI00022472FB	LQEGSRAQIS	CSITS	DLPLHFS	WL H N G N E I Q E S E D F H WL Y N G K P L V K N D R V M I V L D D E P V A R D L S V R T S Q Y WL K D G E P L P S S L N I E E T P T K S W T K E N L T I S R WK K I S D N V V Q G E V W P P Q
UniRef90_UPI0001CB9F8B UniRef90_UPI0003C277A9	TLGEPITLPC AQDEMLYHT	HAESI	PNVIPMV	PTKSWTKENLTUSR
UniRef90_UPI00046BF68B	VEGGEVELL	VVFKS	RPVATLR	WYRDRRELRGLSTREQL
UniRef90_B1B6T9	AILINHHNILLVIC	AIVI		
UniRef90_G3Q2S1 UniRef90_UPI0003C17F95	TENEKALLV	NINGEY	PRDITAA	KNREDLPLTFEQESRLA FLKDGELLKGFNTSTLP
UniRef90_H9GMZ0	NISQDAMET	QAEAY	GNTYTWY	WEEENVYFKNDLKLRVR KATGGKSGEYEELRERP
UniRef90_UPI00046D2B7D UniRef90_G6CXI4	L R F G F F L R L	QAQGVP SAMVEA	Y P S V G V C	KAIGGKSGEYEELRERP WYRDGVRIRPSRRAVMT
UniRef90_H2MC74	SPNEPVFLVC	NVKGT	PPRCT	WYRDGVRLRPSRRAVMT WTLDDDPVIKDSHHHLG WVKNGEDDPSDEMSPIL WFKGELELKQLSYVKIS WLTKNNVYHN GKL
UniRef90_I6PZH3	Q S D G V T R L Q C	LVYGF	PRPVDVK	WVKNGEDDPSDEMSPIL
UniRef90_K1R2P7 UniRef90 UPI000258E32E	ETDKDYSIT	ETTGS	HPRARIT	WILL KNNIVIY HN GKI
UniRef90_O60469		, KIVII ILI Y	T Y O II IN VV T	K N S N I I I I F F N F K G V I A
UniRef90_UPI0001C591F2 UniRef90_UPI0002235941	TSGGTAALG <mark>C</mark>		D M P I R I T	W NSGALTSGVHTFPAV WRKDGQVIISGSGVTIE
UniRef90_UPI00046276F2	WEGNPILINILIS (	DIVI IS N F	II IA S II I H	WRRGKII VIIPIVIRNTTHII IK
UniRef90_UPI0002C444A4 UniRef90 W4X4P8	MEGDSVTLT	S V S G M E	BDLPITIT	WQKDGRPI PASLGVTI WLKDGAQLRESGGPTRY WVLDDKSLEDSRHARDS
UniRef90_T1JAD1	SPGSFLSLR	TATGN	PPKMM	WV LD D K S LE DS R H A R LS
UniRef90_UPI00044040E6			PDVINVY	WKEKNSNRFLPSQQGNT WLQNGKELKQNKDFKAS
UniRef90_UPI000265827C UniRef90_H2LZ48	K D G D K <u>V T L E A</u> R A G A T <u>A</u> R L E <mark>C</mark>	CAAGGH	S P QII A WQ	K D G G T D F P A A R E R R M H V
UniRef90_UPI00033150C8	A E G Q T L D L N C	VVAGQA	HAQVTWH	K D G G T D F P A A R E R R M H V K R G G S L P T H H Q T H G WN K D G R P L Q V E K N L G W T
UniRef90_UPI0002C345EA UniRef90_H2SK91	PVGIHGYIR FPGVTASIR	PVDAEP CHAEGUP	PAIVIVK	WIKNGMDITPKLSKQLT
UniRef90_U4UG99	E P G V T A S L R C Q P G P T V S L K C E L G S T A K V S C	VA A GN F	PPQFM	WALDGFPIPDHSRFLVG WIKEG EDEEFPKHV
UniRef90_A0A026VV94 UniRef90_F6W9D2	ELGSTAKVS <mark>C</mark> AVEGEELEV	C K A Q G	ATNPTVK	WIKEG EDEEFPKHV WFKGNKELTGKSEVEEW
UniRef90_E9Q395	SAHGHRQLV	CHVSGFY	PKPWWW	WMRGDQEQQGTHRGDFL
UniRef90_UPI0002651D3F	<u>V</u> P G G S   V   N   L   T C	CAAYGSF	MPRVR	WMKAGMDLDDMDDLPIG
UniRef90_N6UNI2 UniRef90_N6TYM5	P Y G R P A MI D	CHYRANE	PIT NIR	K D G G N D F P A A R E R R M H V WE K D G F I F D P Y N V Q G V F
UniRef90_UPI000398EC21	TEGQTLDLDC	LVAGSO	PATVT	WE KDGFLFDPYNVQGVF WYKRGG SLPAG WLRDGQVLKGFTRSSPQ
UniRef90_UPI0003C29CC4 UniRef90_S7MVD6	AVDGTIVIS	VATGS P	VETIDVA	WERDGUVERGFIRSSPU
UniRef90_W4Y9D9	TGQQSVDALL	TCKSDS	RPLASIT	WRKDGVLVSTQDSRIKQ WFSNSIELNNSTRHQIY
UniRef90_UPI00045DCE9E UniRef90_B3RXE3		, D , E C T L		IM D D C II IE II IT A D V V C C D II IT
UniRef90_B3RAE3 UniRef90_M7BHL1	I E G R T V D F N C	E A D G N F	D V I A W	WLK NGI I ISNY SISSTI TKSGSQ
UniRef90_J9EAR1	LEGDKLT LV	A V T G L	NPLVK	WF K D D K I  L  S E I D Y I  I  K Y
UniRef90_Q7QH02 UniRef90_B3DN60	DIRETAEVV	KVQAY	KPE FO	WMKNATDLNLSGGNGRI WQFGNNPSPLTMSSDGH
UniRef90_A8P9Y0	KAVDGDKVVL	LAELMO	SEPLTÜR	WMRNNMEIQDSTGFEYS
UniRef90_UPI0003C8EB7F UniRef90_UPI0003837F6C	VRGSPVVLPC ERTRTATMLC	QARGS F CAASGN F	DPFIIS W	WMKDGEPLQSQSLEQGP FKDFLPVDINSSNGRIK
UniRef90_UPI000329778B	MEILI <mark>C</mark> OOTSEE	R MIV I IS C F	II IS R P N A M	V R WY R D G I F V F F N D N I I
UniRef90_I1F9U0 UniRef90_B4MYK3	N A S D E V T L L C	EGFGNF	RPVIEWY	FIKDGNEVQI <mark>H</mark> NASRSL WY <mark>H</mark> DNRMI <u>N</u> YDIDRGIN
UniRef90_UPI00034FAF2B	OATYPIVIRII IT (	OIVIIGS F	PPKIVIS	WY K D G F F IV V IY D K R R N K Y
UniRef90_UPI00042BC2F0	LVGTSTTLE	MATGHE	QPHISW	TRGNGESLDESRYN
UniRef90_G3WXH5 UniRef90_F7GDD2	TINNSTSLD	RAGGV	E P QII T WF	TRGNGESLDESRYNI KLEGDLPLGSHMENN KDNHEILQLEPGLVLGPG
UniRef90_UPI0003EBCBAB	I IF D NIV VIT F H (	SAKANF	AXXXX R	WAKRGQII <u>I</u> KE <u>A</u> SGE <u>V</u> Y <u>R</u>
UniRef90_D6WFC0 UniRef90_UPI0002658270	MLGANLNLT KQGMNIKLS	V A V G S F	Y M P F  V	K W R K G L T Q D L T P E D K L WL R S G Q K I T E D A T H K I H
UniRef90_UPI0003F0D827	VRAYPAEIRO	KVHĞÜF	TPTVS	WFKGWKH <mark>C</mark> QEGNEYTVT
UniRef90_D1KF55 UniRef90_UPI0003D0A1D5	QPGPAVFLK VEGEDAOLT	V A A G N F	Y P E II IT WE	WIRSGQKITEDATHKIH WFKGWKHCQEGNEYTVT LDGTRLANSERMQVGQY WYKDGALLTLGNRYRMV
Office of Tools of Tools		Z I WL GAF	i QL K	WINDONELIEUNKIKWV

		170	180	190 200
UniRef90_UPI00034FDEB4	RDRDGGF	V/ I I/ V/		VVCAADNCACOT
UniRef90_U6IPT0 UniRef90_UPI00045D8816	D D K	SLRI	F QVRREDAGT	Y V C Q A K N E A G S I D A S Y Y C Q A K N E A G S I D A S Y Y C R V G T E G Q D F P V Q E Y V C R V E N G S G H K R Y D C V F Q L S G V K N N I V D Y T C R A F N K G Q D Q R T I
UniRef90_H0X210		SRLRL	SQVSPADSGE	Y V C R V E N G S G H K
UniRef90_K9J926	LNHDGSFQM	1 S V D L N L	SSVTPEDWRR	RYDCVFQLSGVKNNLV
UniRef90_UPI00026571E3 UniRef90_UPI000203ADE0	DNGDDIY PNADGTYQA	RITIOV	DPTFAQH	Y F C H II D H A S II N F P II
UniRef90_UPI0004440E4D	MHFDG K	RCRLML	NSVH <u>E</u> DDSGT	YT <mark>C</mark> K
UniRef90_UPI0003EACF7D UniRef90_E2BT16	PNGDGSFQV	URKSILIRIV	SEEELKRH C	QYS <mark>CRV</mark> DHKS FT
UniRef90_L2B110	SDGD	HTLHI	AEIFPEDAGT	YTCEAFNKG GESFS
UniRef90_UPI0002C58F7F	LALNGRIQV	<u>LSSLL</u>	KHVVEEDSGY	ŢŸ <mark>ĻĊ</mark> ĶŲŚŊDSKSMYĽT
UniRef90_UPI0003DECA33 UniRef90_UPI00034FA138	OP GIVIV	T S R Y T M	V P I G R T D G V K	TICKAINK TICKVEHESEQEPVI
UniRef90_UPI00034F6D36	QFVTADGNV	LESHLNI	SSVQTNDGGL	Y T C R A F N K G Q D Q R T II Y E C H I D H A S L N E P L Y T C K Q Y S C R V D H K S F T I Y S C V A R N V A A E V S H T Y T C E A F N K G G E S F S Y Y L C K V S N D S K S M Y L T Y T C K A T N K L T C K V E H E S F Q E P V L Y T C Y Y C C T A A N T S Y V C R V S N S
UniRef90_V4B0P8 UniRef90 H2RZV4	DMRVNTEGG SCE QN	GRSALIYII	LQLRPTDAGL	VYQCTAANTS
UniRef90_H2U9G7	GAHNET	L  F  I	SAAQKRHSGA	TY Q C F A T R K G
UniRef90_T0MJE1	FFORCT	T   1   1		YVIII <mark>C</mark> NATQD
UniRef90_UPI00046B9385 UniRef90_A0A044SXW9	GETD	LVI	QGSKQSDNGR	RYTCYAENEA
UniRef90_Q4SPG3	TLSDG ST	VSHVNV	S S P Q I R D G G V	YTCEAWNST YTCYAENEA YYRCTARNSAGSSEYQ YYCVIATNKAAKVNQT
UniRef90_UPI00022472FB UniRef90_UPI0001CB9F8B	N N I H Y F V K N	YSYLVF ISGSIHI	K	Y I C T I S N
UniRef90_UPI0003C277A9	EDAD SISIV	19 9 MIL 11 IV		I I I U O I E K E G
UniRef90_UPI00046BF68B UniRef90_B1B6T9	GKV FRV	'JS T S <u>V</u> IR <u>L</u>	JR <u>IV</u> ERRDHGA <u>II</u>	VT CEATHPALRGQRK
UniRef90_G3Q2S1	VLPSGS	LQV	SRVQPPDS <u>A</u> T	Y R <mark>C</mark> LADN <u>P</u> GLPEPGV
UniRef90_UPI0003C17F95	QNDDRTFSV	'IR L T H P I	LPTTHDASVK	Y R CLADNPGLPEPGV (FSCLVNHLALQEPHK (Y T C
UniRef90_H9GMZ0 UniRef90_UPI00046D2B7D				
UniRef90_G6CXI4	LDRDG		A A V T A R D A G V T H T Q V Q D G G V P T R E G D T	YTCTASNE
UniRef90_H2MC74 UniRef90_I6PZH3	PHPDGTYQI	RVSVEV	P T R E G D T	YSCHV
UniRef90_K1R2P7	ANGD		LGAQEQDEGE	YMCIAINPAGSDSVI
UniRef90_UPI000258E32E UniRef90_O60469	FENNGTLKL	S I LIF	DVQKFVDFGF	LKCRGENPALPDAYL
UniRef90_UPI0001C591F2	1   0 S S G     Y S	SSVVT	V P S S S L G T Q T	YTCNV YICNVNHKPSNTKVD IYTCLASNAA
UniRef90_UPI0002235941 UniRef90_UPI00046276F2	SKEF MHSAGSRLI	MSSLQI	S S V S L K H N G N	NYT <mark>C</mark> LASNAA
UniRef90_UPI0002C444A4	D <u>NI</u> DFT	s s li ki	SNESEMHNGN	RYNCTATN IYTCLARNEA IYMCQVFTTGFPS
UniRef90_W4X4P8 UniRef90_T1JAD1	RVTDNHGNV		KSVDLSDKG	Y M C Q V F T T G F P S
UniRef90_UPI00044040E6	MKTADMYMC	ES WLITIV	T GLRTEDGGE AENSVDKEHL AELYPEDSGM	CVVIHE
UniRef90_UPI000265827C	SDGD	LHKLE	AEIYPEDSGM	TYTCEAFNDA
UniRef90_H2LZ48 UniRef90 UPI00033150C8	MPEDDVFF	SVLRM	VDVKTEDIGV YQVSPADSGE	Y Y T C R V M T S S G P Q
UniRef90_UPI0002C345EA	LMEDGS	I R [	EEATEEALGT	YTCV YTCU AYTCLARNEA
UniRef90_H2SK91 UniRef90_U4UG99	LQANGSEVH		EDIGA TNVKAEDGGE	Y I <mark>CI</mark> ARNEA : Y S C T A H N S
UniRef90_A0A026VV94	QDVNGT	LHE	T N V K A E D G G E N G V L E E D K G R	RYTCIASN
UniRef90_F6W9D2 UniRef90_E9Q395	S D M Y T   V	T S Q L M L	T V G K E D D G V P	VICLVDHPAVKDMQT LACRVKHSSLGGQ
UniRef90 UPI0002651D3F	RN	IV I	Q L RD I YESAN	IYI <mark>C</mark> VAI
UniRef90_N6UNI2 UniRef90_N6TYM5	LLGDDVFFI YRKNGS	JR D ┌─∨┌	ARPSDAGU	Y S C T A H N T A
UniRef90_UPI000398EC21	HQVSGT	_ R L k L	P Q V T A A D S G E	<u> </u>
UniRef90_UPI0003C29CC4	RNADGTFTL LE		TPTRSDASSV	VF S C H V R H E T L E Q P L Q
UniRef90_S7MVD6 UniRef90_W4Y9D9	<u>H</u> SLLQEDT M	1 S S L L V I	SNISAEDDGD	SYTC SYTC SYTC SYTC SYTC SYTC SYTC SYTC SYTC SYTC SYTC SYTC SYTC
UniRef90_UPI00045DCE9E	VYKNGT	LEI	RNVRLSDSAD	OF I C V A R N E G G E S V L V
UniRef90_B3RXE3 UniRef90_M7BHL1		. <u>-</u> > >  -	C N S C K S D G G F	JI Q C K L S N
UniRef90_J9EAR1	ENGMCT		TGVKPCDAGI	ĴY K <mark>Ĉ</mark> ∏A E N∏S
UniRef90_Q7QH02 UniRef90_B3DN60	SIIQG YFIDNNDIY	TSVIKI	N S I T H S D Y G F	VYR <mark>CIVIA</mark> YTCRIVIAN
UniRef90_A8P9Y0	Y E I D N N D I Y R E E A N C Y	L T V	ADAFPEDAGV	TYT <mark>CEARNK</mark>
UniRef90_UPI0003C8EB7F UniRef90_UPI0003837F6C	G QLRSGGTPI		ETAGPQDTGT	YTCLAVSEA
UniRef90_UPI000329778B	LEVD GVY R	RLEI	PKTTVKDŠAE	YVC
UniRef90_I1F9U0 UniRef90_B4MYK3	PLSDRT I VSTEPDFQ	-VIS NIL IT IL	VHVAQHDQGC TOVKPCDAGG TOVKPCDAGG NSLTHSDYGE ADAFPEDAGG ETAGG ETAGG FRTTVKDSAG QRTREHSGN QRTREHSGN	SYR <mark>CK</mark> GTN JFT <mark>C</mark> UASN
UniRef90_UPI00034FAF2B	<u> </u>	· · <u>· · · · · · · · · · · · · · · · · </u>	J/	
UniRef90_UPI00042BC2F0 UniRef90_G3WXH5	T S S G G L F L C	NIITL	Q D H S Q P S V K P Q D A G T	Q F II I <mark>C H</mark> A R N
UniRef90_G3WXH5 UniRef90_F7GDD2	_	sg┯┟╙╵	ID RIVIT E E D E GIL	. IY R <mark>C</mark> T A T N
UniRef90 UPI0003EBCBAB			SEP	VSCEVTN ALGSTNI IYTCQVKVQSLPGP
UniRef90_D6WFC0 UniRef90_UPI0002658270	PIGKNTLQL EDADM <mark>C</mark>	TIVV	INATPEDSGN	IV E CIVIA M N K A
UniRef90_UPI0003F0D827	<u>F</u> D <u>K</u> DTNEH	E I	KESKPKDSGK SAVHTNDGGL	Y V C K A T N D L G E E K A
UniRef90_D1KF55 UniRef90_UPI0003D0A1D5	VTVNG EV NEPRSGMLV	V S H L N I L V I	Q A A S K E D L G H	.jrauvjas Irece
	_ · • • · · · · ·			· <del></del>

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

UniRef90\_UPI00034FDEB4
UniRef90\_U6IPT0
UniRef90\_UPI00045D8816
UniRef90\_UPI00045D8816
UniRef90\_UPI00026571E3
UniRef90\_UPI00026571E3
UniRef90\_UPI00026571E3
UniRef90\_UPI0003ADE0
UniRef90\_UPI0003EACF7D
UniRef90\_UPI0003EACF7D
UniRef90\_UPI0003DECA33
UniRef90\_UPI00034FA138
UniRef90\_UPI00034FA138
UniRef90\_UPI00034F6D36
UniRef90\_UPI00034F6D36
UniRef90\_UPI00034F6D36
UniRef90\_UPI00034F6D36
UniRef90\_UPI00046B9385
UniRef90\_H2U9G7
UniRef90\_UPI00046B9385
UniRef90\_UPI00012C9F8B
UniRef90\_UPI00012C9F8B
UniRef90\_UPI00012C9F8B
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C277A9
UniRef90\_UPI0003C17F95
UniRef90\_UPI0003C17F95
UniRef90\_UPI00046D2B7D
UniRef90\_UPI00046D2B7D
UniRef90\_UPI00045D2B7D
UniRef90\_UPI00045B23E AKLVVLS VEEVA EASITVS TK IKLVKKS KKEV QRLV SCTITV VKSCSR L PVTLS ARQ SRNLQ UniRef90\_16PZH3
UniRef90\_16PZH3
UniRef90\_K1R2P7
UniRef90\_UP1000258E32E
UniRef90\_UP10001C591F2
UniRef90\_UP10002235941
UniRef90\_UP1000262444A4
UniRef90\_UP10002C444A4
UniRef90\_UP10002C444A4
UniRef90\_UP1000265827C
UniRef90\_UP1000265827C
UniRef90\_UP100033150C8
UniRef90\_UP100033150C8
UniRef90\_UP10002C345EA
UniRef90\_UP10002C345EA UniRef90\_E9Q395 UniRef90\_UPI0002651D3F UniRef90\_N6UNI2 UniRef90\_UPI0002651D3F
UniRef90\_N6UNI2
UniRef90\_N6TYM5
UniRef90\_UPI000398EC21
UniRef90\_UPI0003C29CC4
UniRef90\_UPI0003C29CC4
UniRef90\_UPI00045DCE9E
UniRef90\_UPI00045DCE9E
UniRef90\_UPI00045DCE9E
UniRef90\_UPI0004C2
UniRef90\_UPI0003R5EB7F
UniRef90\_UPI0003C8EB7F
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EB7E
UniRef90\_UPI0003C8EBAB
UniRef90\_UPI0003C8EBAB
UniRef90\_UPI0003C8EBAB
UniRef90\_UPI0003C8EBAB
UniRef90\_UPI0003C8EBAB
UniRef90\_UPI0003C8EBAB
UniRef90\_UPI0003C8EBAB
UniRef90\_UPI0003C8EBAB UniRef90\_UPI0003F0D827 UniRef90\_D1KF55 SFTVTL UniRef90\_UPI0003D0A1D5

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

sol5

7 8 7 2 1 8 9 B

sol0 jhmm jpssm