

gi | 73959945 | ref | XP\_537043.2 | MAEPRRS LHP SAGGTGR TERTRLRLRLLLWVGTAVQVTRGAGPELHACKES EYHYEYIACDSTGSRWRVAVPHTPGLCTSLPDPVKGTGECFSFCRAGEFLDMKDQSCPKCAEGRYSLGTGIRFDEWDELPHGFASLSTNMEIEDSTTE 150  
gi | 119889657 | ref | XP\_001252339.1 | MAEPGHS LHP SARGRGRTEPRTEFRLLRLLLLWVGTAFVQVTOGAGLELHACKES EYHYEYIACDSTGSRWRVAVPHTPGLCTSLPDPVKGTGECFSFCRAGEFLDMKDQSCPKCAEGRYSLGTGIRFDEWDELPHGFASLSTNMEIEDSTTE 150  
gi | 38569482 | ref | NP\_065826.2 | MAEPGSHHL SARVRGRTEPRTEFRLLRLLLLWAGTAFVQVTOGAGPELHACKES EYHYEYIACDSTGSRWRVAVPHTPGLCTSLPDPVKGTGECFSFCRAGEFLDMKDQSCPKCAEGRYSLGTGIRFDEWDELPHGFASLSTNMEIEDSTTE 150  
gi | 85701810 | ref | NP\_001028476.1 | MAEPGSHHL SARVRGRTEPRTEFRLLRLLLLWAGTAFVQVTOGAGPELHACKES EYHYEYIACDSTGSRWRVAVPHTPGLCTSLPDPVKGTGECFSFCRAGEFLDMKDQSCPKCAEGRYSLGTGIRFDEWDELPHGFASLSTNMEIEDSTTE 48  
gi | 68365156 | ref | XP\_696051.1 | -----MSL P YHFEYI D CVLGSRRWRVAVPHTPGLCTSLPDPVKGTGECFSFCRAGEFLDMKDQSCPKCAEGRYSLGTGIRFDEWDELPHGFASLSTNMEIEDSTTE----- 97  
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150



gi | 73959945 | ref | XP\_537043.2 | MENC T ASK W V P L G D Y I S S N I D E C T A I L M Y A V N L K Q S G I V N F E Y Y P D S S I I F E F F V Q N D C Q P N V D D S R W M K T T E K G W E F H S V E L N R G N N V L Y W R T I A F S V G S K V S K P V L V R N I A I T G V A Y T S E C F P C K P G I Y A D K G S S F C E L C P A N S Y 300  
gi | 119889657 | ref | XP\_001252339.1 | MENC T ASK W V P L G D Y I S S N I D E C T A I L M Y A V N L K Q S G I V N F E Y Y P D S S I I F E F F V Q N D C Q P N V D D S R W M K T T E K G W E F H S V E L N R G N N V L Y W R T I A F S V G S K V S K P V L V R N I A I T G V A Y T S E C F P C K P G I Y A D K G S S F C E L C P A N S Y 300  
gi | 38569482 | ref | NP\_065826.2 | MENC T ASK W V P L G D Y I S S N I D E C T A I L M Y A V N L K Q S G I V N F E Y Y P D S S I I F E F F V Q N D C Q P N V D D S R W M K T T E K G W E F H S V E L N R G N N V L Y W R T I A F S V G S K V S K P V L V R N I A I T G V A Y T S E C F P C K P G I Y A D K G S S F C E L C P A N S Y 300  
gi | 85701810 | ref | NP\_001028476.1 | MENC T ASK W V P L G D Y I S S N I D E C T A I L M Y A V N L K Q S G I V N F E Y Y P D S S I I F E F F V Q N D C Q P N V D D S R W M K T T E K G W E F H S V E L N R G N N V L Y W R T I A F S V G S K V S K P V L V R N I A I T G V A Y T S E C F P C K P G I Y A D K G S S F C E L C P A N S Y 198  
gi | 68365156 | ref | XP\_696051.1 | Y T I C S N S T W I P K G D Y I A S N I D E C T S I L S Y A V S L K P G S V S F Q I Y P D N H M F F E F Y V Q N D C Q P N V D D S R W M K T T E K G W E F H S V E L N R G N N V L Y W R T I A F S V G S K V S K P V L V R N I A I T G V A Y T S E C F P C K P G I Y A D K G S S F C E L C P A N S Y 247  
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi | 73959945 | ref | XP\_537043.2 | S N K G E T S C H P C D P D K Y S E K G S S S C K V R P A C T D K D Y F Y T H T A C D A N G E T Q L M Y K W A O P K I C G E D L E G A V K L P A S G V K T R C P P C N P G F F K T N N S T C E P C P Y G S Y S N G S D C S H C P A G T E P A V G F E Y K W N N L P S N M E T T V L S G I N F E Y K G M T G 450  
gi | 119889657 | ref | XP\_001252339.1 | S N K G E T S C H Q C D P D K Y S E K G S S T C K A R P A C T D K D Y F Y T H T A C D A N G E T Q L M Y K W A O P K I C S E D L E G A V K L P A S G L K T R C P P C N P G F F K T N N S T C E P C P Y G S Y S N G S D C S H C P A G T E P A V G F E Y K W N N L P S N M E T T V L S G I N F E Y K G M T G 450  
gi | 38569482 | ref | NP\_065826.2 | S N K G E T S C H Q C D P D K Y S E K G S S C N V R P A C T D K D Y F Y T H T A C D A N G E T Q L M Y K W A O P K I C S E D L E G A V K L P A S G V K T R C P P C N P G F F K T N N S T C E P C P Y G S Y S N G S D C T R C P A G T E P A V G F E Y K W N N L P S N M E T T V L S G I N F E Y K G M T G 450  
gi | 85701810 | ref | NP\_001028476.1 | S N K G E T S C H P C D A D K Y S E K G S S T C K V R P A C T D K D Y F Y T H T A C D A Q G E T Q L M Y K W A I P K I C G E D L E G A V K L P A S G V K T R C P P C N P G F F K T N N S T C E P C P Y G S Y S N G S D C T H C P A G T E P A V G F E Y K W N N L P S N M E T T V L S G I N F E Y K G L T G 348  
gi | 68365156 | ref | XP\_696051.1 | S N K G A I A C Q T C D M D K Y S G I G S G A C T Q R P A C K T S D Y F Y T H T P C D S S A Q T Q L M Y K W T E P K I C S E S L E G A V K L P A S G E M M S C P P C N P G F F S S N S S C E P C P R F G Y S N G T E C S C P A G T E P V V G F E Y K W N N K M P S N M R S S V L S S E Y S I D R S T G 397  
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi | 73959945 | ref | XP\_537043.2 | W E V A G D H I Y T A V G A S D N D F M I L L V V P G F R P P O S V M A D T E N K E V A R I T F V F E I C S V N C E L Y F M V G V N S R I N T P V E T W K G S K G K Q S Y T Y I I E N A T M S F T W A F Q R T T F H E T G R K Y T N D V A K I Y S I N V T N V M D G V A S Y C R P C A L E A S D M G S 600  
gi | 119889657 | ref | XP\_001252339.1 | W E V A G D H I Y S A V G A S D N D F M I L L V V P G F R P P O S V M A D T E N K E V A R I T F V F E I C S V N C E L Y F M V G V N S R I N S P V E T W K G S K G K Q S Y T Y I I E N A T M S F T W A F Q R T T F H E T G R K Y T N D V A K I Y S I N V T N V M D G V A S Y C R P C A L E A S D M G S 600  
gi | 38569482 | ref | NP\_065826.2 | W E V A G D H I Y T A A G A S D N D F M I L L V V P G F R P P O S V M A D T E N K E V A R I T F V F E I C S V N C E L Y F M V G V N S R I N T P V E T W K G S K G K Q S Y T Y I I E N A T T S F T W A F Q R T T F H E A S R K Y T N D V A K I Y S I N V T N V M G V A S Y C R P C A L E A S D V G S 600  
gi | 85701810 | ref | NP\_001028476.1 | W E V A G D H I Y T A V G A S D N D F M I L L V V P G F R P P O S V M A D T E N K E V A R I T F V F E I C S V N C E L Y F M V G V N S R I N T P V E T W K G S K G K Q S Y T Y I I E N A T T S F T W A F Q R T T L H E T G R K Y T N D V A K I Y S I N V T N V M G V A S Y C R P C A L E A S D L G S 498  
gi | 68365156 | ref | XP\_696051.1 | W E V A G E Y I Y T T P S D Q D S D Y M M L L T V P G Y S L P H S L R E D N E R V E L S R I T F V F E I K C T A D C K L Y F M A G O E R N N M V V E W S G T I G K Q S Y S Y L I K T S I V F S W G F O R T I G A F D M K N E Y S D L A K I Y S V H L T N V I G G V A S E C R O C A L T G I D S - D 546  
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600



gi | 73959945 | ref | XP\_537043.2 | S C T S C P A G F Y I D R D S G T C H S C P P N T I L K A H Q P Y G I O A C I P C G P G T K S N K I H S L C Y N D C T F S R N T P R I F N Y N F S A L A G T V S L A G G P S F T S K G L K Y F H H F T L S L C G N Q G R K M S V C A D N V T D L R I P E G S G F S K S I T A V C Q A V I I P P E V T G 750  
gi | 119889657 | ref | XP\_001252339.1 | S C T S C L A G H Y I D R D S G T C H S C P P N T I L K A H Q P Y G A O A C M P C G P G T K S N K I H S L C Y N D C T F S V S T R T F E Y N F L A L E K T V S L A G G P S F T S K G L K Y F H H F T L S L C G N Q G R K M S V C T D N V T D L R I P E G S G F S K S I T A V C Q A I I I P P E V T G 750  
gi | 38569482 | ref | NP\_065826.2 | S C T S C P A G Y I D R D S G T C H S C P T N T I L K A H Q P Y G V O A C V P C G P G T K N N K I H S L C Y N D C T F S R N T P R I F N Y N F S A L A G T V S L A G G P S F T S K G L K Y F H H F T L S L C G N Q G R K M S V C T D N V T D L R I P E G S G F S K S I T A V C Q A V I I P P E V T G 750  
gi | 85701810 | ref | NP\_001028476.1 | S C T S C P A G H Y I N R D S G T C H L C P S N T I L K A H Q P Y G A O A C V P C G P G T K N N K I H S L C Y N D C T F S R N T P S R I F N Y N F S A L A G T V S L A G V P S F T S K G L K Y F H H F T L S L C G N Q G K M A V C T D N V T D L R I P D G E A G F S K S V I A V C Q V V I I P S E V M G 648  
gi | 68365156 | ref | XP\_696051.1 | S C V S C A P G H Y M V Y G T G V C R H C P P N T I I R P E Q P V G K E A C I P C G P N T Y S N K G R S A C M S D C L A L D H R G E S L Y D F S S M G N I I G F Q S S P R F T S K G L O Y F H H F S V A L C A G S R A V A S C V E N V T E S -----K R E V K G I C Q S T V V P S E I R G 687  
.....610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750



gi | 73959945 | ref | XP\_537043.2 | Y K A G V S S Q P V S L A D R L I G V T T D M T L D G I T S P A E L F H P E S L G I P D V I F F Y R S N D V T Q S C S S G R S T I I R V R C S P L K P A P G S L S L P S T C S D G C D G C N F H F L W E S V A A C P L C S T A D Y H A I V S S C V A G I Q K T I Y V W R E P K L C S G G I S L P E Q R V T 900  
gi | 119889657 | ref | XP\_001252339.1 | Y K A G V S S Q P V S L A D R L I G V T T D M T L D G I T S P A E L F H P E S L G I P D V I F F Y R S N D V T Q S C S S G R S T I I R V R C S P L K P A P G S L S L P S T C S D G C D G C N F H F L W E S V A A C P L C S T A D Y H A I V S S C V A G I Q K T I Y V W R E P K L C S G G I S L P E Q R V T 900  
gi | 38569482 | ref | NP\_065826.2 | Y K A G V S S Q P V S L A D R L I G V T T D M T L D G I T S P A E L F H L E S L G I P D V I F F Y R S N D V T Q S C S S G R S T I I R V R C S P K T I P G S L L L P G T S D G T C D G C N F H F L W E S A A A C P L C S T A D Y H A I V S S C V A G I Q K T I Y V W R E P K L C S G G I S L P E Q R V T 900  
gi | 85701810 | ref | NP\_001028476.1 | Y K A G V S S Q P V S L A D R L V G V T T D M L E G I V S P V E L F H P E T S G I P D I V F F R S N D V T Q S C S S G R S T I I R L R C N P M K A A P G T L R L P S M C S D G T C D G C N F H F L W E S V A A C P L C S A S D Y H F V S S C V A G I Q K T I Y M W R E P K L C S G G I S L P E Q R V T 798  
gi | 68365156 | ref | XP\_696051.1 | -S S V V S S Q P F S I G T T L I G V T E S K L D D I S S F V D N P V P E S D - L P D V I F F Y R S R E T T Q A C N G R S S I I R L R C D P S V T V K N I T S P P S N C S E G T C D G C S F H F L W R S Q Q A C P L C S E S N K E I V S A C I Q G I Q R T I Y V W Q Q P L R C T G G V L P P L K I S 835  
.....760.....770.....780.....790.....800.....810.....820.....830.....840.....850.....860.....870.....880.....890.....900



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gi | 73959945 | ref | XP_537043.2 | ICKTIDFWLKVGI SAGTCTAAILLTVLTCYFWKKNQKLEYKYSKLVMNATLKDCDLPAADS CAIMEGEDVEDDLIFTSKKSLFGKIKSFTSKRTPDGFDSVPLKTSSGGPDMDL- 1013
gi | 119889657 | ref | XP_001252339.1 | ICKTIDFWLKVGI SAGTCTAAILLTVLTCYFWKKNQKLEYKYSKLVMNATLKDCDLPAADS CAIMEGEDVEDDLIFTSKKSLFGKIKSFTSKRTPDGFDSVPLKTSSGGPDMDL- 1013
gi | 38569482 | ref | NP_065826.2 | ICKTIDFWLKVGI SAGTCTAAILLTVLTCYFWKKNQKLEYKYSKLVMNATLKDCDLPAADS CAIMEGEDVEDDLIFTSKKSLFGKIKSFTSKRTPDGFDSVPLKTSSGGPDMDL- 1013
gi | 85701810 | ref | NP_001028476.1 | ICKTIDFWLKVGI SAGTCTAAILLTVLTCYFWKKNQKLEYKYSKLVMNATLKDCDLPAADS CAIMEGEDVEDDLIFTSKKSLFGKIKSFTSKRTPDGFDSVPLKTSSGGPDMDM- 911
gi | 68365156 | ref | XP_696051.1 | ICKTIDFWLKVGI SAGTCTAAILLTVLTCYFWKKNQKLEYKYSKLVMNATLKDCDLPAADS CAIMEGEDVEDDLIFTSKKSLFGKIKSFTSKRTPDGFDSVPLKTSSGGPDMDM- 948
.....910.....920.....930.....940.....950.....960.....970.....980.....990.....1000.....1010....

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