

hg M A A R L L L L G I L L L L L P L P V P A P C H T A A R S E C K R S H K F V P G A W L A G E
 PRF1_hgA M G A R L F L P G L L L L L L P T P T P A P C R T A T R N E C R R N Q V F V P G A A L A G E
 PRF1_hgB M G A R L F L P G L L L L L L P T P T P A P C R T A T R N E C R R N Q V F V P G A A L A G E

hg G V D V T S L R R S G S F P V D T Q R F L R P D G T C T L C E N A L Q E G T L Q R L P L A L
 PRF1_hgA G V D V T S L R R S G S F P V D T E S F L R P D G T C T L C Q N A L Q E G A L Q R L P L A L
 PRF1_hgB G V D V T S L R R S G S F P V D T E S F L R P D G T C T L C Q N A L Q E G A L Q R L P L A L

hg T N W R A Q G S G C Q R H V T R A K V S S T E A V A R D A A R S I R N D W K V G L D V T P K
 PRF1_hgA T D W R S Q G S G C Q R Q V V R A K A S S I K G V A R E A A S S I R N D W R V G L D V S P K
 PRF1_hgB T D W R S Q G S G C Q R Q V V R A K A S S I K G V A R E A A S S I R N D W R V G L D V S P K

hg P T S N V H V S V A G S H S Q A A N F A A Q K T H Q D Q Y S F S T D T V E C R F Y S F H V V
 PRF1_hgA P S A N V Q V T V A G S H S R V A N F A A Q K T H Q D Q Y S F S T D L V E C H F Y S F H L V
 PRF1_hgB P S A N V Q V T V A G S H S R V A N F A A Q K T H Q D Q Y S F S T D L V E C H F Y S F H L V

hg H T P P L H P D F K R A L G D L P H H F N A S T Q P A Y L R L I S N Y G T H F I R A V E L G
 PRF1_hgA H S P P L H P N F Q K A L S D L P P N F N T S T E A D Y I R L I S H Y G T H F I R S L E L G
 PRF1_hgB H S P P L H P N F Q K A L S D L P P N F N T S T E A D Y I R L I S H Y G T H F I R S L E L G

hg G R I S A L T A L R T C E L A L E G L T D N E V E D C L T V E A Q V N I G I H G S I S A E E A
 PRF1_hgA G R V S A L T A L R T C E L A L N G L T A N E V E D C L A V E A Q V S I S G R A S S S S E F
 PRF1_hgB G R V S A L T A L R T C E L A L N G L T A N E V E D C L A V E A Q V S I S G R A S S S S E F

hg K A C E E K K K K H K M T A S F H Q T Y R E R H S E V V G G H H T S I N D L L F G I Q A G P
 PRF1_hgA K A C E E K K Q Q H K M E T S F H Q S Y R E R F S Q I V G G H H T S V G D L L F G N Q A G P
 PRF1_hgB K A C E E K K Q Q H K M E T S F H Q S Y R E R F S Q I V G G H H T S V G D L L F G N Q A G P

hg E Q Y S A W V N S L P G S P G L V D Y T L E P L H V L L D S Q D P R R E A L R R A L S Q Y L
 PRF1_hgA E Q F S A W M D S L L A R P G L V D Y T L E P L H V L V E S R D P R R E S L R R A V S K Y V
 PRF1_hgB E Q F S A W M D S L L A R P G L V D Y T L E P L H V L V E S R D P R R E S L R R A V S K Y V

hg T D R A R W R D C S R P C P P G R Q K S P R D P C Q C V C H G S A V T T Q D C C P R Q R G L
 PRF1_hgA M D R A R W K D C S R P C P P G Q Q K S P H N P C Q C V C P S S A A T N E D C C P R Q R G L
 PRF1_hgB M D R A R W K D C S R P C P P G Q Q K S P H N P C Q C V C P S S A A T N E D C C P R Q R G L

hg A Q L E V T F I Q A W G L W G D W F T A T D A Y V K L F F G G Q E L R T S T V W D N N N P I
 PRF1_hgA A H L E V M K F Q A T G L W G D H F T A T D A Y L K V F F G D Q E L R T N T V W N S N H P Q
 PRF1_hgB A H L E V M K F Q A T G L W G D H F T A T D A Y L K V F F G D Q E L R T N T V W N S N H P Q

hg W S V R L D F G D V L L A T G G P L R L Q V W D Q D S G R D D D L L G T C D Q A P K S G S H
 PRF1_hgA W E T R L D F G D V L L S T E R P L R V Q V W D E D S G W D D D L L G T C D Q K A Q S G S H
 PRF1_hgB W E T R L D F G D V L L S T E R P L R V Q V W D E D S G W D D D L L G T C D Q K A Q S G S H

hg E V R C N L N H G H L K F R Y H A R C L P H L G G G T C L D Y V P Q M L L G E P P G N R S G
 PRF1_hgA K V M C N L N H G H L R F F Y H A K C L P H L E G A T C L Q Y A P H G L L G A P P G N R S G
 PRF1_hgB K V M C N L N H G H L R F F Y H A K C L P H L E G A T C L Q Y A P H G L L G A P P G N R S G

hg A V W -
 PRF1_hgA P V W *
 PRF1_hgB P V W *