

hs - - MAARLLLLLGI LLLLLLPLPVP - APCHTAARSECKRSHKFFVPGAWL
gg MKTTSHCLAFSILLLFHHLPTICPQCHRAVGKSCQV - - PPVPGTDI
PRF1_ggA - - - - -

hs AGEGVDVTS LRRSGSF PVD TQRFLRPDGTCTLCENALQEGTLQRLP
gg VGSGLDVTTMSL TEGQVLA I - - TKPTSRHCVVCVDR LHEGRSLLLY
PRF1_ggA - - - - -

hs LALTNWRAQGS GCQRHVTRAKVSS TEAVARDAARS IRNDWKVGLDV
gg NGISKWRAGS - KCRKRSS LATGRKSMKTLVSQTEKMAQNWKVGLRV
PRF1_ggA - - - - -

hs TPKPTS NVHVS VAGSHSQAANFAAQKTHQDQYSFSTDTVECRFY SF
gg ALHPGGMGVALAVAGSHSRVAEFGMQKEQEDRYSFAS TELHCVHYWI
PRF1_ggA - - - - -

hs HVVHTPPLHPDFKRALGDLPHHFNASTQPAYLRL LISNYGTHFIRAV
gg SASHKPRPSSSHFLHAVRSLPPHYTPTTAPDYADLLAAYGTHYI HSA
PRF1_ggA - - - - -

hs ELGGRISALTALRTCELALEGLTDNEVEDCLTVEAQVNIGI HGSIS
gg QLGGLLR SITAIRSCRAAMMGAGTQEVADCLSAEMTANMKS - AAFS
PRF1_ggA - - - - -

hs AEAKACEEKKKKKHKMTASFHQTYRERHSE VVG GHHTSINDLLFGIQ
gg AMSSACRKAKSKNSAHS AFHQLFDERMVE VEGGEQH - - GDLLY - -
PRF1_ggA - - - - -

hs AGPEQYS A W VNSLPGSPGLVDY TLEPLHVL L D S Q D P R R E A L R R A L S
gg GPPENYAK W LSS LQRLPLGLVAS I VRPLHTLLPPQDPRQAAL KA A V S
PRF1_ggA AAEFALGR W REDAV - - - - -

hs QYLTDR A RWRD CS R P C P P G R Q K S P R D P C C V C H G S A V T T Q D C C P R Q
gg HYIAWRA LRVN CS Q Q C A G H - - - S A V G L C Q C G C A A N N A V S A D C C S K H
PRF1_ggA D Y I A R N A L R V N C S - - C G G H - - - L G A A G P C C - - A C S A D M A T T C C S Q H

hs RGLA QLE VTFIQAW GLWGDWFTATDAYV K L F F G G Q E L R T S T V W D N N
gg RGM A Q V T V T V L E G S G W R G D F F T P T D A Y V L L Y F N G Q R V R T A T V W N N N
PRF1_ggA RGLA R L R V T V K A G G G W R G D Y L S G T D A Y V R V Y Y G G R E A R T R T L W N N Q

hs NPI WSVRL DFGDVL LATGGPLRLQ VWDQ D SGRD DDL LGT CDQA - - -
gg RPRWGARFD DFGWVMLHPHQKMKVE VWDQ D N G W N D D R L G V C E L P V Q A
PRF1_ggA HPRW A A I L D L G T V T L A P G A M L K V E V W D E D N Q W D D D L L G V C K E P L S A

hs P K S G S H 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
gg T G R Q Q R N V V C F P G G G H L K L S Y S A M C G P S L G G S E C S E Y I P Q P P K G Q G
PRF1_ggA E G G G E R D I I C F P G G G R L E F G Y G V T C G P A L G G P Y C H D Y V P Q P P G D I G

hs PGNRSGAV W - - - - -
gg - GLYRLSQ W PPKSGDVGPV AWPQHKEGEEEEEEQEEEEEEEEEEEQEE
PRF1_ggA - GVQGTSY W S N D P R N D P H - N D P H - - - - - N D Q D G S G N P L P

hs - - - - -
gg QDNFWEVLGVSEDNRT - - - MVEDEDHQDPSSDLQNPSFNPNQLSV D
PRF1_ggA S A P W W - P P G V N E S G G D P Q V P R D D G D M G D P T D A F G - - - E L P E T F M G

hs	- - - - -
gg	L K K D P D P R I P F P R Y R A A P P A P
PRF1_ggA	W E R H P D P * - - - - -