

1 TCAGCGACAGAGACTCTCTCTCATTTCAGCGACTAGCATAGAGCTACTCGACAGCTGCTTCATGCGACGAGCATAAGTCTAGCGAGTCTATTTCGTCTATC 100  
S A T E R L S L I Q R L A \* S Y S T A A S C D E H T S S E S I R H R  
Q R Q R D T L S F S D \* H R A T R Q L L H A T S I R L A S L F V I  
S D R E T L S H S A T S I E L L D S C F M R R A Y V \* R V Y S S S  
\* R C L S E R E N L S \* C L A V R C S S \* A V L M R R A L R N T M A  
L S L S V R E \* E A V L M S S S S L Q K M R R A Y T \* R T \* E D D  
A V S L S E R M \* R S A Y L \* E V A A E H S S C V D L S D I R \* R

101 GCCTCTCAGCGATCTCAGACTGATCGGTATCGTCTAGCTAGCTAGCTCGCATGCTAGTCTGCTGCTAGATTATATATCGCGCGCACAGACTAC 200  
L S A I S R L M R I V \* L A S S H A S H A A S R F I Y R A H T T T  
A S Q R S H D \* C V S S S \* L A R M L V M L R L D L Y I A R T R L R  
P L S D L T T D A Y R L A S \* L A C \* S C C V \* I Y I S R A H D Y  
E \* R D \* S Q H T D D L \* S A R M S T M S R R S K Y I A R V R S R  
G R L S R V V S A Y R R A L \* S A H \* D H Q T \* I \* I D R A C S \* A  
R E A I E R S I R I T \* S A L E C A L \* A A D L N I Y R A C V V V

201 GCTGATCGTTACCTCCTAGCGAAATATAGGATCTCGACGATCTACTGATCGTCTACTCAGATCGATCCCTCGCGCGCACAGAAATCGCGCGCACAG 300  
L I V T S S S E I \* D L D D L L D R H S D R S L A R T R I A R T R  
\* S L P P L A K Y R I S T I Y S I V T Q I D P S R A H E S R A H D  
A D R Y L L \* R N I G S R R S T R S S L R S I P R A H T N R A H T T  
Q D N G G R A F Y L I E V I \* E I T V \* I S G E R A C S D R A C S  
S R \* R R \* R F I P D R R D V R D D S L D I G R A C V F R A C V V  
S I T V E E L S I Y S R S S R S S R \* E S R D R A R V R I A R V R S

301 CTACAGAGACTCTCTCTCATAGCATAGAGCTACTCGACTCTCAGCGATCTCGCGACGAGCATAAGTCTAGCGAGTCTCTCTCATTTCGCGCGCACAG 400  
L Q R L S L I A \* S Y S T S Q R S R D E H T R T R L R \* S F A H T T  
Y R D S L S \* H R A T R P L S D L A T S I R A H D Y A D R S R T R  
T E T L S H S I E L L D L S A I S R R A Y A H T T T L I V R A H D  
\* L S E R E Y C L A V R G R L S R A V L M R A C S \* A S R E R V R S  
V S V R E \* L M S S S S R E A I E R R A Y A C V V V S I T R A C S  
C L S E R M A Y L \* E V E \* R D R S S C V R V R S R Q D N A C V V

401 CTACGCTGATCGTTTCGCGCGCACAGACTCTCAGCGATCTCATCGCGCGCACAGACTACAGAGACTCTCTCTCATTTCGCGCGCACAGAAATCGCGCG 500  
T L I V S R A H D L S A I S S R A H D Y R D S L S F A R T R I A R  
L R \* S F R A H T T S Q R S H R A H T T T T E T L S H S R A H E S R A  
Y A D R F A R T R P L S D L I A R T R L Q R L S L I R A H T N R A  
R Q D N R A C V V E \* R D \* R A C V V V S V R E \* E R A C S D R A  
\* A S R K A R V R G R L S R M A R V R S C L S E R M R A C V F R A C  
V S I T E R A C S R E A I E D R A C S \* L S E R E N A R V R I A R

501 CACAGACTACCGCGCACAGACTACGCTGATCGTTTCGCGCGCACAGACTACGCTGATCGTTTCGCGCGCACAGACTCTCAGCGATCTCATCGCGCGCA 600  
T R L P R T R L R \* S F A H T T T T L I V S R A H D L S A I S S R A  
H D Y R A H D Y A D R S R T R L R \* S F R A H T T S Q R S H R A H  
H T T T A H T T T L I V R A H D Y A D R F A R T R P L S D L I A R T  
C S \* R A C S \* A S R E R V R S R Q D N R A C V V E \* R D \* R A C  
V V V A C V V V S I T R A C S \* A S R K A R V R G R L S R M A R V  
V R S G R V R S R Q D N A C V V V S I T E R A C S R E A I E D R A C

601 CAGACTACAGAGACTCTCTCTCATCTCTCAGCGATCTCATCGCGCGCACAGACTACCGCGCACAGACTACGCTGATCGTTTCGCGCGCACAGACC 700  
H D Y R D S L S S S Q R S H R A H T T T A H T T T L I V S R A H D L  
T T T E T L S H P L S D L I A R T R L P R T R L R \* S F R A H T T  
R L Q R L S L I L S A I S S R A H D Y R A H D Y A D R F A R T R P  
V V V S V R E \* G R L S R M A R V R S G R V R S R Q D N R A C V V E  
R S C L S E R M R E A I E D R A C S \* R A C S \* A S R K A R V R G  
S \* L S E R E D E \* R D \* R A C V V V A C V V V S I T E R A C S R

701 TCTCAGCGATCTCATCGCGCGCACAGACTACAGAGACTCTCTCTCATCTCTCAGCGATCTCCGCGCACAGACTACGCTGATCGTTCTCTCAGCGAT 800  
S A I S S R A H D Y R D S L S S S S Q R S P R T R L R \* S F L S A I  
S Q R S H R A H T T T E T L S H P L S D L R A H D Y A D R S S Q R S  
L S D L I A R T R L Q R L S L I L S A I S A H T T T L I V P L S D  
\* R D \* R A C V V V S V R E \* G R L S R R A C S \* A S R E E \* R D  
R L S R M A R V R S C L S E R M R E A I E A C V V V S I T G R L S R  
E A I E D R A C S \* L S E R E D E \* R D G R V R S R Q D N R E A I

801 CTCATCGCGCGCACAGACTACAGAGACTCTCTCTCATCTCTCAGCGATCTCATCGCGCGCACAGACTACTCGCGCGCACAGACTCTCAGCGATCT 900  
S S R A H D Y R D S L S S S S Q R S H R A H T T T R A H T T S Q R S  
H R A H T T T E T L S H P L S D L I A R T R L L A R T R P L S D L  
L I A R T R L Q R L S L I L S A I S S R A H D Y S R A H D L S A I S  
\* R A C V V V S V R E \* G R L S R M A R V R S S A R V R G R L S R

M A R V R S C L S E R M R E A I E D R A C S \* E R A C S R E A I E  
E D R A C S \* L S E R E D E \* R D \* R A C V V V R A C V V E \* R D \*

901 CATCGCGGCACGACTACAGAGACTCTCTCATCTACAGAGACTCTCTC 952

H R A H T T T E T L S H L Q R L S  
I A R T R L Q R L S L I Y R D S L  
S R A H D Y R D S L S S T E T L  
M A R V R S C L S E R M \* L S E R  
D R A C S \* L S E R E D V S V R E  
R A C V V V S V R E \* R C L S E