

cry11Ba M O N N N F N T T E I N N M I N F P M Y N G R L E P S L A P A L I A V A P I A K 40
 ATGCCAAAATAACACCTTAAATACCACAGAAATAATAATAGTAAATTCOCTATGATATAGTAAAGTATGAAACCTCTCAGCTCCAGCATTAATAGCAGTACGCTCAATTCGAAA
 120
cry11Ba-S1 ATGCCAAAATAACACCTTAAATACCACAGAAATAATAATAGTAAATTCOOGATGATAATGGTCGCCGGAACCGTCGCCGCGCGCGCGTATCGAGTGGCGCGGATTCGAAAA
 120

cry11Ba Y L A T A L A K W A V K O G F A K L K S E I F P G N T P A T M D K V R I E V O T 80
 240
cry11Ba-S1 TATCTGGCGACCGCGCTGGCGAAATGGCGGGTGAACAGGGCTTTGGCAAACTGAAATCCGAGATCTCCCGGTAATACGCGCGGACCATGGATAAGGTTCGTATTGAGGTGCAGACC
 240

cry11Ba L L D O R L Q D D R V K I L E G E Y K G I I D V S K V F T D Y V N Q S K F E T G 120
 360
cry11Ba-S1 C T G C T G G A C C A G C C C T G C A G G A T G A C C C G T T A A A T T C T G G A A G G G A A T A T A A A G C A T T A T G A T G T A A A G T T T A C C G A T T A T G T A A C A A C T T A A A T T T G A G A C T G G A
 360

cry11Ba T A N R L F F D T S N O L I S R L P O F E I A G Y E G V S I S L F T O M C T F H 160
 480
cry11Ba-S1 A C A G C T A A T A G G C T T T T T T G A T A C A A G T A A C C A A T T A A T A A G C A G A T T G C C T C A A T T G A G A T T G C A G G A T A T G A A G S A G A T A C C A T T T C A C T T T T A C T C A G A T G T G A C A T T T C A T
 480

cry11Ba L G L L K K D G I L A G S D W G F A P A D K D A L I C O F N R F V N E Y N T R L M 200
 600
cry11Ba-S1 T T G G G T T A T A A A A G A T G G A A T T T A G C A G G A A G G A T T G G G A T T G C T C C T G C A G A T A A A G A G C T C T A A T T G C C A A T C A A T A G A T T T G C A A T G A A T A A T A C T C G A C T G A T G
 600

cry11Ba V L Y S K E F G R L L A K N L N E A L N F R N M C S L Y V F P F S E A W S L L R 240
 720
cry11Ba-S1 G T A T T G A C T C A A A A A A T T G G A C G G T T A T A G C A A A A A A T C T A A T G A A G C C T T G A A C T T A G A A A T A T G T G A G T T A T A T G C T T T C C T T T T C T G A A G C A T G G T C T T A T T A A G G
 720

cry11Ba Y E G T K L E N T L S L W N F V G E S I N N I S P N D W K G A L Y K L L M G A P 280
 840
cry11Ba-S1 T A T G A A G G A C C A A A A T G A A A A C A C G C T T C A T A T G G A A T T T T G G G G T G A A G T A C A A T A A T A T C T C C T A A T G A T T G A A A G G T G C C T T A T A A A T G T T A A T G G A A G C A C C T
 840

cry11Ba N O R L N N V K F N Y S Y F S D T O A T I H R E N I H G V L P T Y N G G P T I T 320
 960
cry11Ba-S1 A A T C A A G A T T A A A C A A T G T A A G T T A A T A T A G T A T T T T T C T G A T A C T C A A G C G A C A T A C A T C G T G A A A A C A T T C A T G G T C C T G C C A A C A T A A T G S A G G A C C A A C A A T T A C A
 960

cry11Ba G W I G N G R F S G L S F P C S N E L E I T K I K O E I T Y N D K G G N F N S I 360
 1080
cry11Ba-S1 G G A T G A T A G G A A T G G G C G T T C A G C G C A C T A G T T T C C T T G T A G T A A T G A A T A G A A A T T A C A A A A A A A A A A C A G A A A A A C T T A C A A T G A T A A A G G G G A A A T T C A A A T C A A T A
 1080

cry11Ba V P A A T R N E I L T A T V P T S A D P F F K T A D I N W K Y F S P G L Y S G W 400
 1200
cry11Ba-S1 G T T C C T G C T A C C G C A A T G A A A T T C T A A C T G C T A C C G T T C C A A C A T C A G C T G A T C C A T T T T A A A A C C G C T G A T A T A A C T G G A A A T A T T C T C C C G G T C T T A C T C T G G A T G G
 1200

cry11Ba N I K F D D T V T L K S R V P S I I P S N I L K Y D D Y Y I R A V S A C P K G V 440
 1320
cry11Ba-S1 A A T A T T A A A T T T G A T A C A G C A C T T T A A A A A G T A G A G T A C C A A G T A T T A T A C C T T C A A A T A T A T A A A G T A T G A T G A T T A T A T T C G T G C C G T T C A G C C T G C C A A A A G G G T A
 1320

cry11Ba S L A Y N H D F L T L T Y N K L E Y D A P T T O N I I V G F S P D N T K S F Y R 480
 1440
cry11Ba-S1 T C A C T T G C A T A T A A C C A T G A T T T T T A A C G T T A A C A T A T A A A A T A G A A T A T G A T G C A C C T A C T A C A A A A A T A T C A T T G A G G A T T T C A C C A G A T A A T A C A A G A G T T T T A T A G G
 1440

cry11Ba S N S H Y L S T T D D A Y V I P A L O F S T V S D R S F L E D T P D O A T D G S 520
 1560
cry11Ba-S1 A G C A A C T C T C A T T A T C A A G T A C A A C A G A T G A T G C C T A T G T A A T T C T G C T T T A C A A T T T T C T A C A G T C C A G A T A G A T C A T T C T T A G A A G A T A C A C C A G A T A A G C A A C A G A T G G C A G T
 1560

cry11Ba I K F T D T V L G N E A K Y S I R L N T G F N T A T R Y R L I I R F K A P A R L 560
 1680
cry11Ba-S1 A T T A A A T T A C C G A T A C T G T T C T G G G A A T G A G C A A A A T A T C T A T T A G A C T A A A C T G C G A T T T A A T A C A G C T A C T A G T A G A T A A T A T A C G T T T A A A G C C C T C G T T T G
 1680

cry11Ba A A G I R V R S D N S G N N K L L G G I P V E G N S G W I D Y I T D S F T F D D 600
 1800
cry11Ba-S1 G C T C G T A T A C G T G A C C T T C T C A A A A T C A G G G A A T A A G T T A T A G B G G T A T T C C T G T A G A G G G T A A T T C T G A T G A T A G A T A T T A C A G A T T C A T T A C T T T G A T G A C
 1800

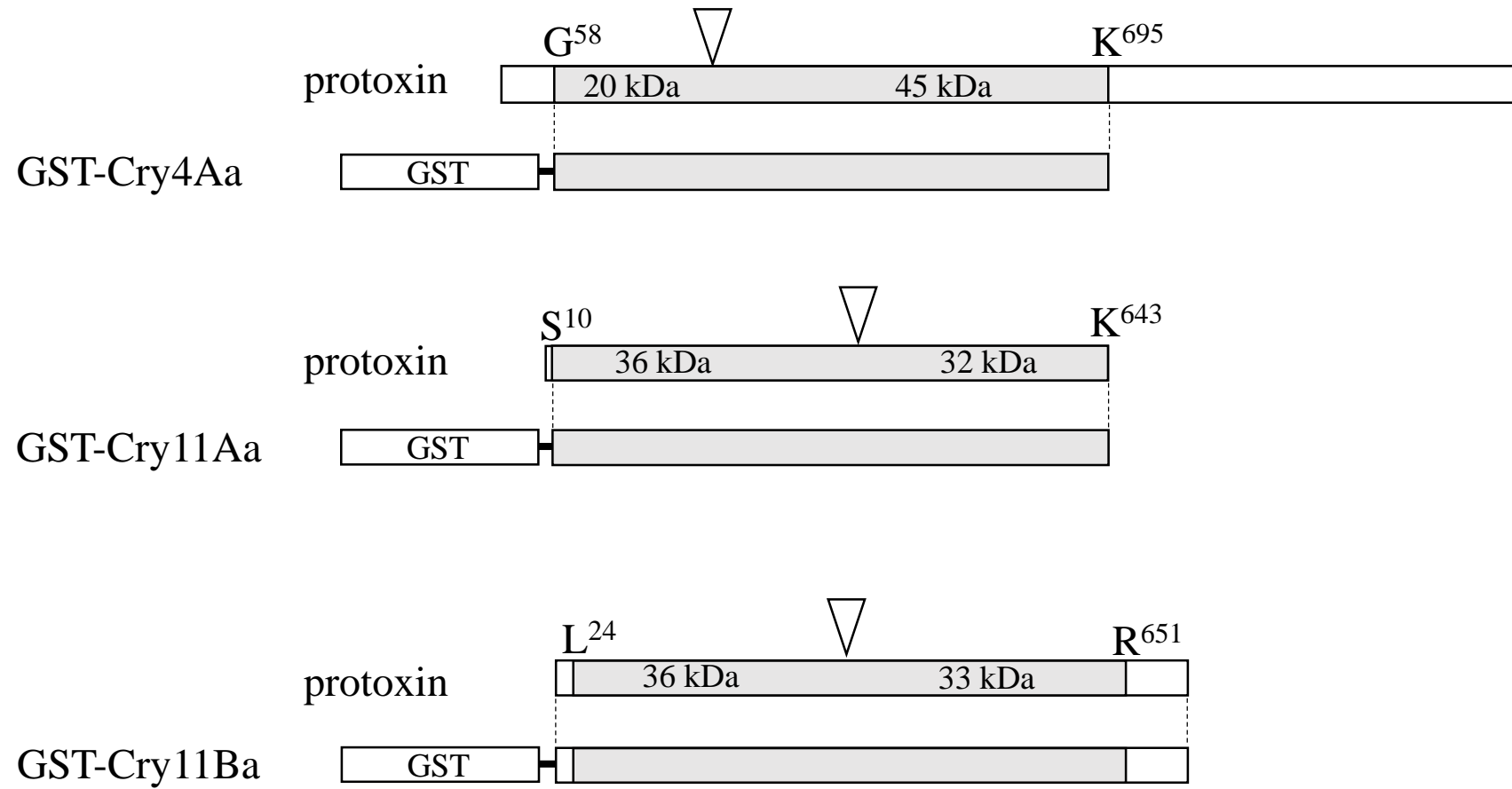
cry11Ba L G I T T S S T N A F F S I D S O G V N A S D Q W Y L S K L L I L V K E S S F T T 640
 1920
cry11Ba-S1 C T T G G A T T A C A A C T C A A G C A A A T G C T T T C T T A G T A T T G A T C A G A T G T G A A T G C T T C A C A A T G G T A T T G T C T A A A T A A T T T A G T A A A A A G A A T C C A G T T T A C G A C T
 1920

cry11Ba O I P L K P Y V I V R C P D T F F V S N N S S S T Y E O G Y N N N Y N O N S S S 680
 2040
cry11Ba-S1 C A G A T T C C A T T A A A A C C A T A C G T T A T T G A C G T T G C C G A T A C T T T T T T G T G A G C A C A A A T T C A A G A T A C G T A C G A A C A A G C T A T A A C C A A A A C T A A C C A G A A T T C T A G C A G T
 2040

cry11Ba M Y D O G Y N N S Y N P N S G C T C N O D Y N N S Y N O N S G C T C N O G Y N N 720
 2160
cry11Ba-S1 A T G T A C G A T A A A C C A T A C G T T A T A A C C A A A C T C T G G T T G A C G T G T A A T C A A G C T A T A A C A A T A C T A A A C C A A A C C T G G C T G A C A T A A C C A A G G G T A T A A C A A T
 2160

cry11Ba N Y P K 724
 A A C T A T C C T A A A A T A 2175
cry11Ba-S1 A A C T A T C G A A A T A A 2175

Supplemental figure 1



Supplemental figure 2