

Fig. S3A

>Indian python KissR1

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1 - ATG GTA GAG GGA GCA TCC ATC TCT GAT TTC AAC AAG TCC CAC TTC TTT CTG AAC AAT TCA GCC - 63
1 - M V E G A S I S D F N K S H F F L N N S A - 21

64 - TGC ACT GCA GAG TCG TTG CGC ACT AAT GGC TCT GAG CCT CCA ACC CCC CCA TAT TTG GTG GAT - 126
22 - C T A E S L R T N G S E P P T P P Y L V D - 42

127 - GCC TGG CTG GTC CCA CTC TTC TTT GCC ATT CTG ATG TTA GTT GGG CTA GTG GGC AAC TCT CTG - 189
43 - A W L V P L F F A I L M L V G L V G N S L - 63

TMD1
190 - GTA ATC TAT GTC ATC ATC AGA CAC AAG CCA ATG AGG ACA GTG ACC AAC TAC TAC ATT GCC AAC - 252
64 - V I Y V I I R H K P M R T V T N Y Y I A N - 84

253 - CTG GCT ACC ACC GAC ATC ATT TTT CTG GTT TGC TGT GTC CCC TTC ACT GCA ATG CTG TAT CCG - 315
85 - L A T T D I I F L V C C V P F T A M L Y P - 105

TMD2
316 - CTT CCA GGC TGG ATC TTT GGA GAA TTC CTG TGT AAA TTT GTC AAT TAC ATC CAA CAG GTC TCA - 378
106 - L P G W I F G E F L C K F V N Y I Q Q V S - 126

379 - GTG CAA GCC ACG TGC GTC ACC CTG ACC GCC ATG AGT GTG GAC CGG TGG TAC GTG ACC GTG TTT - 441
127 - V Q A T C V T L T A M S V D R W Y V T V F - 147

TMD3
442 - CCA CTT CGA TCC CTG CGA CAG CGC ACG CCA CGA GTC GCT GCA AAT GTT AGC ATC AGC ATT TGG - 504
148 - P L R S L R Q R T P R V A A N V S I S I W - 168

505 - GTT GGT TCC TTC ATT GTC TCC ATC CCG GTG CTG ATT TAC AAC CAG TTA ATA GAA GGC TAT TGG - 567
169 - V G S F I V S I P V L I Y N Q L I E G Y W - 189

TMD4
568 - TTC GGT CCA CAA AAG TTC TGC AGC GAG TCC TTC CCC TCT GTG TCC CAT GAG AGA GCC TTC ATC - 630
190 - F G P Q K F C S E S F P S V S H E R A F I - 210

631 - CTG TAC AAC TTT TTA GTG GTG TAC CTC CTC CCT TTA TTG ACC ATC TTC CTC TGT TAT AGT GCT - 693
211 - L Y N F L V V Y L L P L L T I F L C Y S A - 231

TMD5
694 - ATG CTT TAC CAG ATG GGA CAC CCC ACT GTG GAG CCA GCT GAT AAC CAC TAC CAG GTA CAG CAA - 756
232 - M L Y Q M G H P T V E P A D N H Y Q V Q Q - 252

757 - CTG GCA GAA CTC TCT GAA GCT ATG CGA GCC AAG ATC TCT CGT ATG GTG GCC GTC ATA ATT GCT - 819
253 - L A E L S E A M R A K I S R M V A V I I A - 273

820 - CTG TTC ACT ATC TGC TGG GGT CCA GTG CAG CTT CTG ATC CTC TTC CAA GCC TTT GAC TCC AGC - 882
274 - L F T I C W G P V Q L L I L F O A F D S S - 294

TMD6
883 - TTT CGG CAC AAT TAC TAT ACC TAT AAG GTG AAG ATT TGG GCT CAC TGC ATG TCC TAT GCC AAT - 945
295 - F R H N Y Y T Y K V K I W A H C M S Y A N - 315

946 - TCC TCC CTC AAC CCC ATT GTC TAC GCC TTC ATG GGC ACT AAT TTT CGG AAG GCC TTC AAG AAA - 1008
316 - S S L N P I V Y A F M G T N F R K A F K K - 336

TMD7
1009 - GTT TTC CCA CTG GCC TTT AAG CAG AGG GTG GGT AGC TCC AAC ATT AGT GGC CAG CCC AAT GTC - 1071
337 - V F P L A F K Q R V G S S N I S G Q P N V - 357

1072 - AAC ACC GAG ATG CAG TTT GTC TTA TCA GGA ATG TAG - 1107
358 - N T E M Q F V L S G M * - 378
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Fig. S3B

>Indian python KissR4

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1 - ATG TCT CCG GAC ACT AGC CCT CGG CTG CCC CTG CGC AGG GCT GCA GAG CCT CCG CCT CCC GAA - 63
1 - M S P D T S P R L P L R R A A E P P P P E - 21

64 - GCC TCC TGG GCC AGC CAG CTG GAC GAG CCC ACC GTA GCC TGG CAG GGT GAC CCC ATC AGC GCC - 126
22 - A S W A S Q L D E P T V A W Q G D P I S A - 42

127 - AGG CCC AGC ACA GGC ACC TTC CAG CTT GGG ATG CAG TTC TGG ATC TTT AAC CAC AGC GGA GAA - 189
43 - R P S T G T F Q L G M Q F W I F N H S G E - 63

190 - GAG ACC TCG CCC CCG TTT CTG ACC GAT GCT TGG CTC GTG CCG GTC TTT TAC GCC CTC ATC ATG - 252
64 - E T S P P F L T D A W L V P V F Y A L I M - 84

253 - CTG CTG GGC CTG GTG GGG AAC GCC CTG GTC ATC TAT GTC ATC AGC AAG CAC CGC CAG ATG CGC - 315
85 - L L G L V G N A L V I Y V I S K H R Q M R - 105

TMD1
316 - ACA GCT ACA AAC TTC TAC ATT GCA AAT TTG GCT ACC ACT GAC ATC ATA TTC TTA GTG TGC TGT - 378
106 - T A T N F Y I A N L A T T D I I F L V C C - 126

TMD2
379 - GTG CCC TTC ACT GCC ACT CTC TAT CCC CTG CCC AGC TGG GTG TTT GGC GAC TTT ATG TGC AAA - 441
127 - V P F T A T L Y P L P S W V F G D F M C K - 147

442 - TTT GTC AAC TAC TTA CAG CAG GTG ACC GTC CAG GCC ACC TGC ATT ACT CTG ATG GCT ATG AGT - 504
148 - F V N Y L Q Q V T V Q A T C I T L M A M S - 168

TMD3
505 - GTG GAC CGC TGC TAT GCT ACA CTG TAC CCA CTG CAA TCG TTG CGT TAT CGA ACC CCC CAG GTA - 567
169 - V D R C Y A T L Y P L Q S L R Y R T P Q V - 189

568 - GCC ATG GCT GTC AGC TTT GCT ATT TGG ATT GGT TCC TTC ATT CTC TCA CTA CCC ATG GCT ATG - 630
190 - A M A V S F A I W I G S F I L S L P M A M - 210

TMD4
631 - TAT CAT CGC ACC GAA AAT GGC TAC TGG TAT GGT TTA CGT ACC TAC TGC ATT GAA GCT TTC ACA - 693
211 - Y H R T E N G Y W Y G L R T Y C I E A F T - 231

694 - AGC AAG AGC CAG GAG CGC AGC TTT ATC CTC TAC ACT TTC CTG GGC GTT TAT CTA TTG CCT CTG - 756
232 - S K S Q E R S F I L Y T F L G V Y L L P L - 252

TMD5
757 - CTC ACT ATT TGC TTC TGC TAC TCC ATC ATG CTC AAG CGC ATT GGA CGT CCT GTG GTT GAA CCA - 819
253 - L T I C F C Y S I M L K R I G R P V V E P - 273

820 - GTG GAC CAT GAT TAC CAG CAA GTG CAA CAT CTC TCT GAA CGC TCC GCT GCC ATG CGA GCG AAG - 882
274 - V D H D Y Q Q V Q H L S E R S A A M R A K - 294

883 - ATT TCC AAG ATG GTT GTA GTG ATT GTA CTT CTT TTT GCC ATT TGC TGG GGT CCT ATC CAG TTC - 945
295 - I S K M V V V I V L L F A I C W G P I Q F - 315

TMD6
946 - TAC CTG CTT TTT CAG GGC TTC TAT CTC CAT TTC CAG GCG AAC TAT GAG ACC TAT AAG ATT AAG - 1008
316 - Y L L F Q G F Y L H F Q A N Y E T Y K I K - 336

1009 - ACA TGG GCT AAT TGC ATG TCT TAT GCT AAC TCT TCC CTC AAC CCC ATT GTT TAT GCT TTC ATG - 1071
337 - T W A N C M S Y A N S S L N P I V Y A F M - 357

TMD7
1072 - GGA GAC AGT TTC CGC AAA TCC TTC AAG AAG GCG TTC CCC TTC TTC TTC CGC CAG CGT GTA CGG - 1134
358 - G D S F R K S F K K A F P F F F R Q R V R - 378

1135 - GAC AAT GGC ATG CAT TCA GGC TCC CGT AAT GCG GAG ATG AAA TTT GTT ACT GAA GAG ACC TAA - 1197
379 - D N G M H S G S R N A E M K F V T E E T * - 399
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Fig. S3C

>Painted Turtle KissR1

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1 - ATG CGG GGA GCA TCC GCC GGC GCC CAG CTC AAC GCC TCG CTC CTG CTC CCG AAC CGC TCC TCC - 63
1 - M R G A S A G A Q L N A S L L L P N R S S - 21

64 - AAC AGC TCG GAG CCG CGG AGC CCC CCG CGC CTG GTG GAC GCC TGG CTG GTG CCC CTC TTC TTC - 126
22 - N S S E P R S P P R L V D A W L V P L F F - 42

127 - GCC ATG CTG ATG GTG GTG GGG CTG GCG GGC AAC TCC CTG GTC ATC TAC GTG ATC ACC AAG CAC - 189
43 - A M L M V V G L A G N S L V I Y V I T K H - 63
      TMD1

190 - AAG CAG ATG AGG ACG GTC ACC AAC TTC TAC ATC GCC AAC CTT GCC ACC ACC GAT ATC ATC TTC - 252
64 - K Q M R T V T N F Y I A N L A T T D I I F - 84
      TMD2

253 - CTG GTG TGC TGC GTG CCG TTC ACT GCC ATG CTG TAT CCC CTT CCC GGA TGG ATC TTC GGG GAG - 315
85 - L V C C V P F T A M L Y P L P G W I F G E - 105

316 - TTC ATG TGC AAG TTT GTC AAT TAC ATC CAA CAG GTC TCC GTG CAG GCC ACC TGC GTC ACC CTG - 378
106 - F M C K F V N Y I O Q V S V Q A T C V T L - 126
      TMD3

379 - ACG GCC ATG AGC GTG GAC CGC TGG TAC GTG ACT GTG TTC CCA CTG CGC TCC CTG CGC CAG CGC - 441
127 - T A M S V D R W Y V T V F P L R S L R Q R - 147

442 - ACC CCC CGC ATT GCC GTT GCC ATC AGC CTG GGC ATC TGG ATC TGT TCC TTT ATC GTC TCC GCC - 504
148 - T P R I A V A I S L G I W I C S F I V S A - 168
      TMD4

505 - CCG GTG CTG ATG TAC AAC AGG TTG ACA GAG GGC TAC TGG TTC GGG CCG CAG ACC TAT TGC AGT - 567
169 - P V L M Y N R L T E G Y W F G P Q T Y C S - 189

568 - GAG TCC TTC CCC TCC GCC TCC CAC GAG AAG GCC TTT ATC CTT TAC AAC TTC CTG GCA GTC TAC - 630
190 - E S F P S A S H E K A F I L Y N F L A V Y - 210

631 - CTG CTG CCC CTA CTG ACC ATC TGC ATC TGC TAC GTG GCC ATG CTC TAC CAG ATG GGA CAT CCC - 693
211 - L L P L L T I C I C Y V A M L Y Q M G H P - 231
      TMD5

694 - ACC GTG GAG CCC ATC GAT AAC AAC TAC CAG GTG CAA CAG CTG GCC GAG CGC TCC GAG GCG ATG - 756
232 - T V E P I D N N Y Q V Q Q L A E R S E A M - 252

757 - CGG GCC AAG ATC TCC CGC ATG GTG GTC ATC ATC GTG GTA CTC TTC ACC GTC TGT TGG GGG CCC - 819
253 - R A K I S R M V V I I V V L F T V C W G P - 273
      TMD6

820 - GTG CAG TTC CTC ATT CTC GTC CAG GCC TTC AGC CCC AGC TTC CAG CGC AAC TAC TAC ATC TAC - 882
274 - V O F L I L V O A F S P S F Q R N Y Y I Y - 294

883 - AAG GTG AAG ATC TGG GCC CAC TGC ATG TCC TAC ACC AAC TCC TCC ATC AAC CCC ATC GTC TAC - 945
295 - K V K I W A H C M S Y T N S S I N P I V Y - 315
      TMD7

946 - GCC TTC ATG GGT GTC AAC TTC AGG AAA GCC TTC AAG AAG GTC TTC CCC TTC ATC TTC AAG CAA - 1008
316 - A F M G V N F R K A F K K V F P F I F K Q - 336

1009 - AAG GTG GGC TGC ACC AAT GCG GGC AAC GCC CAT GTC AAC ACC GAG ATG CAC TTC GTG TCC TCG - 1071
337 - K V G C T N A G N A H V N T E M H F V S S - 357

1072 - GGC ACA TAG - 1080
358 - G T * - 359

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Fig. S3D

>Painted Turtle KissR4

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1 - ATG GCA GGG TTG CCA AGG ATG GAT GCA GAG CCC TCC CCG TTG GGC GGC TGG CTG GAC AAT GGC - 63
1 - M A G L P R M D A E P S P L G G W L D N G - 21

64 - TCT TGG ACA CCA GTG CCC ACT GCT GCC CCC CAC ATG GAC ATG AGC ACG CCG GCG GGC CCT GGC - 126
22 - S W T P V P T A A P H M D M S T P A G P G - 42

127 - AGG AGG GGG CTG TGG ATC TTT AAT AGC AGT GGG GAG GAC ACG TCA CCC CCA TTC CTG ACG GAT - 189
43 - R R G L W I F N S S G E D T S P P F L T D - 63

190 - GCT TGG CTG GTG CCT CTT TTC TAT GCC CTC GTC ATG CTG CTG GGG CTG GTG GGC AAC TCA CTC - 252
64 - A W L V P L F Y A L V M L L G L V G N S L - 84
                                     TMD1

253 - GTC ATC TAC GTG GTG TCC AAG CAC CGG CAG ATG CGC ACA GCC ACC AAC TTC TAC ATC GCA AAC - 315
85 - V I Y V V S K H R Q M R T A T N F Y I A N - 105

316 - CTG GCA ACC ACA GAC ATC ATC TTC CTG GTG TGC TGT GTC CCC TTC ACC GCC ACG CTC TAC CCC - 378
106 - L A T T D I I F L V C C V P F T A T L Y P - 126
                                     TMD2

379 - CTG CCC AGC TGG ATC TTC GGT GAC TTC ATG TGC AAA CTC GTC AAC TAC CTG CAA CAG GTG ACA - 441
127 - L P S W I F G D F M C K L V N Y L O O V T - 147

442 - GCG CAG GCC ACC TGC ATC ACC CTG ACG GCG ATG AGC ATG GAC CGC TGC TAC GCC ACC CTC TAC - 504
148 - A O A T C I T L T A M S M D R C Y A T L Y - 168
                                     TMD3

505 - CCG CTG CAG TCG CTG CGC TAC CGC ACC CCA CGC GTG GCC ATG GGC GTC AGC GTG GCC ATC TGG - 567
169 - P L Q S L R Y R T P R V A M G V S V A I W - 189

568 - ATG AGC TCC TTC CTT CTC TCG CTG CCC ATA GCC ATG TAC CAC CGC ACT GAG GTG GGC TAC TGG - 630
190 - M S S F L L S L P I A M Y H R T E V G Y W - 210
                                     TMD4

631 - TAT GGG CTG CGC ACC TAC TGC ATC GAG GCC TTC GCC AGC AAG ATC CAG GAG CGC AGC ATC ATC - 693
211 - Y G L R T Y C I E A F A S K I Q E R S I I - 231

694 - CTC TAC ACC TTC CTG GCT GTC TAC CTG CTG CCT CTG CTC ACC ATC TGC CTC TGC TAC TCT GTC - 756
232 - L Y T F L A V Y L L P L L T I C L C Y S V - 252
                                     TMD5

757 - ATG CTC AAG CGT GTG GGG CGC CCC ATC GTG GAG CCC ATT GAC CAC AAC TAC CAG GTA CAG CAC - 819
253 - M L K R V G R P I V E P I D H N Y Q V Q H - 273

820 - CTG TCC GAG CAC TCT GTC GCC ATG AGG GCC AAG GTG TCC AAG ATG GTG GTG GTG ATC GTG GTA - 882
274 - L S E H S V A M R A K V S K M V V V I V V - 294

883 - CTC TTC ACT GTG TGC TGG GGC CCC ATC CAG CTC TAC CTC CTC TTC CAG GGC TTC TAT GGC AGC - 945
295 - L F T V C W G P I O L Y L L F Q G F Y G S - 315
                                     TMD6

946 - TTC CAG GCC AAC TAC GAG ACC TAC AAG ATC AAG ACG TGG GCC AAC TGC ATG TCC TAC GCC AAC - 1008
316 - F Q A N Y E T Y K I K T W A N C M S Y A N - 336

1009 - TCC TCC ATC AAC CCC ATC GTC TAC GCC TTC ATG GGC GAC AGC TTC AGG AAG TCC TTC AAG AAG - 1071
337 - S S I N P I V Y A F M G D S F R K S F K K - 357
                                     TMD7

1072 - GCT TTC CCC TTC CTC TTC CGG CGC CGG GTG CGG GAC GGC GCC GTC CTC TCT GGC TCC CGC AAT - 1134
358 - A F P F L F R R R V R D G A V L S G S R N - 378

1135 - GCC GAG ATG AAG TTC GTC ACT GAG GAG ACC TAG - 1167
379 - A E M K F V T E E T * - 388
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Fig. S3E

>Chinese Turtle partial KissR1

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1 - AAC CTG GCC AGC ACA GAC ATC ATC TTC CTG GTG TGC TGC GTG CCG TTC ACC GCC GTG CTG TAC - 63
1 - N L A S T D I I F L V C C V P F T A V L Y - 21
                                     TMD2
64 - CCC CTG CCC GGC TGG ATC TTT GGC GAG TTC ATG TGC AAG TTT GTC AAT TAC ATC CAG CAG GTC - 126
22 - P L P G W I F G E F M C K F V N Y I O Q V - 42

127 - TCC GTG CAG GCC ACC TGC GCC ACC CTG ACG GCC ATG AGC ATG GAC CGC TGG TAC GTG ACC GTG - 189
43 - S V O A T C A T L T A M S M D R W Y V T V - 63
                                     TMD3
190 - TTC CCG CTG CGC TCC CTG CGC CTG CGC ACC CCC CGC CTC GCC GCC GCC GTC AGC CTG GGC ATC - 252
64 - F P L R S L R L R T P R L A A A V S L G I - 84

253 - TGG ATC TGT TCC TTT GTC CTC TCC ACC CCG GTG CTG GTG TAC AAC AGG TTG ACA GAG GGC TAC - 315
85 - W I C S F V L S T P V L V Y N R L T E G Y - 105
                                     TMD4
316 - TGG TTT GGG CCG CAG ACC TAC TGC AGC GAG TCC TTC CCC TCT GCT GCC CAC GAG AAG GCC TTC - 378
106 - W F G P Q T Y C S E S F P S A A H E K A F - 126

379 - ACC CTC TAC AAC TTC CTG GCC GTC TAC CTG GTG CCC CTC CTG ACC ATC TGT GTC TGC TAC GTG - 441
127 - T L Y N F L A V Y L V P L L T I C V C Y V - 147
                                     TMD5
442 - GCC ATG CTC TAC CAG ATG GGC CAT CCC ACC GTG GAG CCG GTC GAT AAC AAC TAC CAG CAG CTG - 504
148 - A M L Y Q M G H P T V E P V D N N Y Q Q L - 168

505 - GCG GAA CGC TCC GAG GCG ATG CGG GCC AAG ATC TCC CGC ATG GTG GCC ATC ATC GTG GTG CTC - 567
169 - A E R S E A M R A K I S R M V A I I V V L - 189

568 - TTC ACC ATC TGC TGG GGG CCC GTT CAA TTC CTC CTC CTC CTC CAG GCC TTT GCC CCC CGC TTC - 630
190 - F T I C W G P V O F L L L L O A F A P R F - 210
                                     TMD6
631 - CAG CGC AAC TAC TAC GTC TAC AAG GTG AAG ATC TGG GCC CAC TGC ATG TCC TAC GCC AAC TCC - 693
211 - Q R N Y Y V Y K V K I W A H C M S Y A N S - 231

694 - TCC GTC AAC CCC GTC GTC TAC GCC TTC ATG GGG GCC AAC TTC CGG AAA GCC TTC AAG AAG GTC - 756
232 - S V N P V V Y A F M G A N F R K A F K K V - 252
                                     TMD7
757 - TTC CCC TTC ATC TTC AGG CCC AAG GTG GGC TGC GCC AGC GTG GGC CGC GCC CAT GCC AAC ACC - 819
253 - F P F I F R P K V G C A S V G R A H A N T - 273

820 - GAG ATG CAC TTC GTC TCC TCC GGC ACC TAG - 849
274 - E M H F V S S G T * - 282
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Fig. S3F

>Chinese Turtle KissR4

1 - ATG GCA GAC TCA TTG AGG ATG AAC ACA GAG CCC TCC CTG TCG GAC AGC TGG CTG GAC AAC TGC - 63
1 - M A D S L R M N T E P S L S D S W L D N C - 21

64 - TCT TGG GCA CCA GTG CCC ACT TCT GCC CTG CAG CTA GAC ATG GGA GCA CTG GGG GAC CCT GGC - 126
22 - S W A P V P T S A L Q L D M G A L G D P G - 42

127 - AGA AAT GGG CTG TGG ATC TTT AAC AGC AGC GGG GAG GAC ATG TCC CCC CCT TTC CTG ACG GAT - 189
43 - R N G L W I F N S S G E D M S P P F L T D - 63

190 - GCT TGG CTG GTG CCA CTC TTC TAT GCC CTT GTC ATG CTG CTG GGG CTG GTG GGC AAC TCG CTC - 252
64 - A W L V P L F Y A L V M L L G L V G N S L - 84

TMD1

253 - GTC ATC TAC GTG GTG TCC AAG CAC CGG CAG ATG CGC ACG GCC ACC AAC TTC TAC ATC GCA AAC - 315
85 - V I Y V V S K H R Q M R T A T N F Y I A N - 105

316 - CTA GCG ACC ACG GAC ATC ATC TTC CTG GTG TGC TGT GTG CCC TTC ACC GCC ACG CTC TAC CCC - 378
106 - L A T T D I I F L V C C V P F T A T L Y P - 126

TMD2

379 - CTG CCC AGC TGG GTC TTC GGC GAC TTC ATG TGC AAA CTC GTC AAC TAC CTG CAG CAG GTG ACG - 441
127 - L P S W V F G D F M C K L V N Y L Q Q V T - 147

442 - GCA CAG GCC ACC TGC ATC ACC CTG ACA GCG ATG AGC ATG GAC CGC TGC TAC GCC ACC CTC TAC - 504
148 - A O A T C I T L T A M S M D R C Y A T L Y - 168

TMD3

505 - CCG CTG CAG TCG CTG CGC TAC CGC ACC CCC CGC ATC GCC ATG GGC GTC AGT GTG GCC ATC TGG - 567
169 - P L Q S L R Y R T P R I A M G V S V A I W - 189

568 - GTC GGC TCC TTC CTC CTC TCG CTG CCC ATC GCC ATG TAC CAC CGC ACT GAG GTG GGC TAC TGG - 630
190 - V G S F L L S L P I A M Y H R T E V G Y W - 210

TMD4

631 - TAC GGG CTG CGC ACA TAC TGC ATC GAG GCC TTC ACC AGC AAG AGC CAA GAG CGC AGC ATC ATC - 693
211 - Y G L R T Y C I E A F T S K S Q E R S I I - 231

694 - CTC TAC ACC TTC CTG GTG GTC TAC CTG CTG CCC CTG CTC ACC ATC TGC CTC TGC TAT TCT CTC - 756
232 - L Y T F L V V Y L L P L L T I C L C Y S L - 252

TMD5

757 - ATG CTC AAG CGG GTG GGG CGC CCC GTC GTG GAG CCC ATT GAC CAC AAC TAC CAG GTG CCA CAC - 819
253 - M L K R V G R P V V E P I D H N Y Q V P H - 273

820 - CTG TCG GAG CGC TCA GTC GCC ATG AGG GCC AAG GTA TCC AAG ATG GTG GTG GTG ATC GTG GTA - 882
274 - L S E R S V A M R A K V S K M V V V I V V - 294

883 - CTC TTC ACC GTG TGC TGG GGC CCC ATC CAG CTC TAC CTC CTC TTC CAG GGC TTC TAT GGT GGC - 945
295 - L F T V C W G P I Q L Y L L F Q G F Y G G - 315

TMD6

946 - TTC CAG GCT AAC TAT GAG ACC TAC AAG ATC AAG ACG TGG GCC AAC TGC ATG TCC TAT GCC AAC - 1008
316 - F Q A N Y E T Y K I K T W A N C M S Y A N - 336

1009 - TCC TCC ATC AAC CCC ATT GTC TAC GCC TTC ATG GGT GAC AGC TTC AGG AAG TCC TTC AAG AAG - 1071
337 - S S I N P I V Y A F M G D S F R K S F K K - 357

TMD7

1072 - GCT TTC CCC TTC CTC TTC CGG CGC CGG GTG CGA GAT GGC GCC GTC CTC TCC GGC TCT CGC AAT - 1134
358 - A F P F L F R R R V R D G A V L S G S R N - 378

1135 - GCT GAG ATG AAG TTT GTC ACT GAG GAG ACC TAG - 1167
379 - A E M K F V T E E T * - 399

Fig. S3G

>Crocodile KissR1

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1 - ATG CGG GCA GTG GGG ATG GAC ACA GTG GGC AGC GCC GGG AAC AAT GCA TCG CTG CTG CCC CCC - 63
1 - M R A V G M D T V G S A G N N A S L L P P - 21

64 - AAC GGG TCG TGT GGG GCT GGG GGG CTG CTG TGC GGA AAC AGC TCG GGG CCC CCC GGC CCC CCA - 126
22 - N G S C G A G G L L C G N S S G P P G P P - 42

127 - CGC CTG GTG GAT GCC TGG CTG GTG CCC CTC TGC TTC GCA GCG CTG CTG GTG CTG GGG CTG GCG - 189
43 - R L V D A W L V P L C F A A L L V L G L A - 63
                                     TMD1

190 - GGC AAC TCC CTG GTC ATC TAC GTG ATC TCC AGG CAC CAG CCA ATG AGG ACA GTC ACC AAC TTC - 252
64 - G N S L V I Y V I S R H Q P M R T V T N F - 84

253 - TAC ATC GCC AAC CTG GCC GCC ACC GAC ATC ATC TTC CTG GTC TGC TGC GTG CCC TTC ACT GCC - 315
85 - Y I A N L A A T D I I F L V C C V P F T A - 105
                                     TMD2

316 - ATG CTG TAC CCG CTG CCC GGC TGG ATC TTC GGG GAG TTC ATG TGC AAG TTC GTT AAC TAC ATC - 378
106 - M L Y P L P G W I F G E F M C K F V N Y I - 126

379 - CAG CAG GTC TCC GTG CAG GCC ACC TGC ATG ACA CTG ACG GCC ATG AGC GTG GAC CGC TGG TAC - 441
127 - Q Q V S V Q A T C M T L T A M S V D R W Y - 147
                                     TMD3

442 - GTG ACC GTG TTC CCA CTG CGC TCC CTG CGC CAG CGC ACC CCC CGC GTC GCC GTC ACC GTC AGC - 504
148 - V T V F P L R S L R Q R T P R V A V T V S - 168

505 - CTG GGC ATC TGG AGC GGT TCC TTC GTC GTC TCC ATC CCG GTG CTG ACG TAC CAC CAG CTG ACG - 567
169 - L G I W S G S F V V S I P V L T Y H Q L T - 189
                                     TMD4

568 - GAG GGC TAC TGG TTC GGG CCC CAG ACC TAC TGC AGC GAG TCC TTC CCC TCG GTG GCT CAC GAG - 630
190 - E G Y W F G P Q T Y C S E S F P S V A H E - 210

631 - AAG GCC TTC ATC CTC TAC AAC TTC CTG GCT GTG TAC CTG CTG CCT CTG CTG ACC ATC TGC GTC - 693
211 - K A F I L Y N F L A V Y L L P L L T I C V - 231
                                     TMD5

694 - TGC TAC ACT GCC ATG CTC CAT CAG ATG GGG CAT CCT GCC GTG GAG CCG GCC GAG AAT GGC TAC - 756
232 - C Y T A M L H Q M G H P A V E P A E N G Y - 252

757 - CAG GTG CAG CAG CTG GCA GAG CGC TCA GAG GCC TTG CGC GCC CGG ATC TCC CGC ATG GTG GCC - 819
253 - Q V Q Q L A E R S E A L R A R I S R M V A - 273

820 - ATC ATC GTG GTG CTC TTC ACC ATA TGC TGG GGG CCC ATG CAG TTC CTC ATC CTC CTG CAG GCC - 882
274 - I I V V L F T I C W G P M O F L I L L O A - 294
                                     TMD6

883 - TTC GGG CCC GGC TTC CAG CGC AAC TAC TAC ACC TAC AAG GTG AAG ATC TGG GCC CAC TGC ATG - 945
295 - F G P G F Q R N Y Y T Y K V K I W A H C M - 315

946 - TCC TAT GCC AAT TCC TCG GTC AAC CCC CTC GTC TAT GCC TTC ATG GGC GCC AAC TTC AGG AAG - 1008
316 - S Y A N S S V N P L V Y A F M G A N F R K - 336
                                     TMD7

1009 - GCC TTC AGG AAA GTC TTC CCC TTT GCC TTC AAG CAG CGG GTA GGC AGC ACC GGC GCG GGC AGC - 1071
337 - A F R K V F P F A F K Q R V G S T G A G S - 357

1072 - GCC AAC GTC AAC ACC GAG ATG CAC TTT GTC TCC TCC GGC AAG TAG - 1116
358 - A N V N T E M H F V S S G K * - 378

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Fig. S3H

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1 - ATG TGG GCA GTG GGG ATG GGC ACA GTG GGC AGC GCC GGG AAC AAT GCA TCG CTG CTG CTT CCC - 63
1 - M W A V G M G T V G S A G N N A S L L L P - 21

64 - CCC AAC GGG TCG TGT GGG GCT GGG GGG CTG CTG TGC GGG AAC AGC TCG GGG CCC CCC AGC CCC - 126
22 - P N G S C G A G G L L C G N S S G P P S P - 42

127 - CCA CGC CTG GTG GAT GCC TGG CTG GTG CCC CTC TGC TTC GCG GCG CTG CTG GTG CTG GGG CTG - 189
43 - P R L V D A W L V P L C F A A L L V L G L - 63
                                TMD1

190 - GTG GGC AAC TCC CTG GTC ATC TAC GTT ATC TCC AGG CAC CAG CCG ATG AGG ACG GTC ACC AAC - 252
64 - V G N S L V I Y V I S R H Q P M R T V T N - 84

253 - TTC TAC ATC GCC AAC CTG GCC GCC ACC GAC ATC ATC TTC CTG GTC TGC TGC GTG CCC TTC ACT - 315
85 - F Y I A N L A A T D I I F L V C C V P F T - 105
                                TMD2

316 - GCC ATG CTG TAC CCG CTG CCC AGC TGG ATC TTC GGG GAG TTC ATG TGC AAG TTC ATT AAC TAC - 378
106 - A M L Y P L P S W I F G E F M C K F I N Y - 126

379 - ATC CAG CAG GTC TCC GTG CAG GCC ACC TGC ATG ACG CTG ACG GCC ATG AGC GTG GAC CGC TGG - 441
127 - I Q O V S V Q A T C M T L T A M S V D R W - 147
                                TMD3

442 - TAC GTG ACC GTG TTC CCA CTG CGC TCC CTG CGC CAG CGC ACC CCC CGC GTC GCC GTC GCC GTC - 504
148 - Y V T V F P L R S L R Q R T P R V A V A V - 168

505 - AGC CTG GGC ATC TGG AGC GGT TCC TTC GTC GTC TCC GTC CCG GTG CTG ACG TAC CAC CGG CTG - 567
169 - S L G I W S G S F V V S V P V L T Y H R L - 189
                                TMD4

568 - ACG GAG GGC TAC TGG TTC GGG CCC CAG ACC TAC TGC AGC GAG TCC TTC CCC TCG GTG GCT CAC - 630
190 - T E G Y W F G P Q T Y C S E S F P S V A H - 210

631 - GAG AAG GCC TTC ATC CTC TAC AAC TTC CTG GCT GTG TAC CTG CTG CCT CTG CTG ACC ATC TGC - 693
211 - E K A F I L Y N F L A V Y L L P L L T I C - 231
                                TMD5

694 - ATC TGC TAC ACC GCC ATG CTC TAT CAG ATG GGG CGT CCT GCC GTG GAG CCG GCT GAG AAT GGC - 756
232 - I C Y T A M L Y Q M G R P A V E P A E N G - 252

757 - TAC CAG GTC CAG CAG CTG GCA GAG CGC TCG GAG GCC TTG CGC GCC CGG ATC TCC CGC ATG GTG - 819
253 - Y Q V Q Q L A E R S E A L R A R I S R M V - 273

820 - GCC ATC ATC GTG GTG CTC TTC ACC ATG TGC TGG GGG CCC ATG CAG TTC CTC ATC CTC CTG CAG - 882
274 - A I I V V L F T M C W G P M O F L I L L O - 294
                                TMD6

883 - GCC TTC GGG CCT GGC TTC CAG CGC AAC TAC TAC ACC TAC AAG GTG AAG ATC TGG GCC CAC TGC - 945
295 - A F G P G F Q R N Y Y T Y K V K I W A H C - 315

946 - ATG TCC TAC GCC AAC TCC TCG GTC AAC CCC CTC GTC TAT GCC TTC ATG GGC GCC AAC TTC AGG - 1008
316 - M S Y A N S S V N P L V Y A F M G A N F R - 336
                                TMD7

1009 - AAG GCC TTC AGG AAA GTC TTC CCC TTT GCC TTC AAG CAG CGG GTG GGC GGC ACC GGC GCG GGC - 1071
337 - K A F R K V F P F A F K Q R V G G T G A G - 357

1072 - AGC GCC AAC GTC AAC ACC GAG ATG CAC TTT GTC TCC TCC GGC AAG TAG - 1119
358 - S A N V N T E M H F V S S G K * - 378

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