

>Indian python ORF Kiss1 |Contig 25636949|

1 - TAAAAGTTATTTTACATGCTTTGTCTTCCCCACGCTGATATGTTCTCTCTATAAACATTTCTCA - 66  
1 - \* K L F Y M L C P S P T L I C S L Y K H F S - 22

67 - TTCTTTCTAGCTAAACCTCCCAGAGGCATTGCCAATTGGGTCCACTGGGCTGATGACATCCCATGT - 132  
23 - F F L A K P P R G I A N W V H W A D D I P C - 44

133 - TCTAAAAGGAGCTTCATCTCTGGCAAAGAAGGTCTGAAATCCACGGTAACCCTTCTGTGCAAGCGG - 198  
45 - S K R S F I S G K E G L K S T V T L L C K R - 66

199 - CAAGAGCATCAGCTGCAGTTATGGCCAGGGACATCTCCACAAGAAACAAGGGGGTCCCATTGCTG - 264  
67 - Q E H Q L Q L W P G T S P T R N K G V P L L - 88

265 - CAAGAGGCATTGCTGTTAGAAGGGGACCATGATCTCTCCACCTACAACCTGAATTCCTTTGGGTTA - 330  
89 - Q E A L L L E G D H D L S T **Y N L N S F G L** - 110

331 - AGATATGGCAAGAGGCAAGCAGTGAAAGCCCAGGAGAAAATATGA - 375  
111 - **R Y G K R** Q A V K A Q E K I \* - 125

>Indian python ORF Kiss2 |Contig 26442132|

1 - TAGTGTCAATCCATTTAAGGCTGCACCAGTTGGTTTGTCCCAGTGTTTCATGGTTCCTTGCCATATC - 66  
1 - \* C H P F K A A P V G L S Q C F M V P C H I - 22

67 - CCACATTCTGCAACTGAACCTCTTTTCCTAGATCTACCTCCTGAATGGCAAAAAAAGAGGAAGTCC - 132  
23 - P H S A T E P L F L D L P P E W Q K K R N S - 44

133 - TATTACGCAACCCAAGACTCTGAGGATCCCAACGGGGCCGATCCCACCAGTCTTTGCTACTTTATC - 198  
45 - Y Y A T Q D S E D P N G A D P T S L C Y F I - 66

199 - CAAGAGAGTGAGACAGAAAGTCAGATATCGTGTAGGCTCCGGTTTACCAGAAGTAGATTTAACTTC - 264  
67 - Q E S E T E S Q I S C R L R F T R S R **F N F** - 88

265 - AATTCTTTTCGGACTCCGTTTCGGGAAACGGCAGGGGTCTCCCTTGGCTGATGATGGACAATTGGGT - 330  
89 - **N S F G L R F G K R** Q G S P L A D D G Q L G - 110

331 - TCTCGAAACAGTGGAATACCATGGAAGTCTGCCAAAGTCCAACCTGAAGAGGAGATTGGCTTAG - 396  
111 - S R N S G N T M E V L P K S N L K R R L A \* - 132

>Painted turtle ORF Kiss1 |Scaffold JH584856|

1 - TAAGATTATGGCAGGCCCTGTGAATTCTTTACTATTTATTTGTTTGGATTGCGGTGGTGCATAGGA - 66  
1 - \* D Y G R P C E F F T I Y L F G L R W C I G - 22

67 - GCTTCAGCCACGCACCAGGACCTCATGTGCTGGGTGCAGTGCAAACACAGAACAAAAAGACAGACT - 132  
23 - A S A T H Q D L M C W V Q C K H R T K R Q T - 44

133 - CTGCCCCAAAGACACTGCCTGCCACTTGCCACTGGTGAGTCTGACACTGACCACTTTCCCTCCTCA - 198  
45 - L P Q R H C L P L A T G E S D T D H F P S S - 66

199 - ACTCCTTCTGCGCCTTTCTCTGTAGGTGACCATTTCAAATACCTGGCCAGCCCGGCCACTGGGAT - 264  
67 - T P S A P F S V G D H F K Y L A S P A H W D - 88

265 - CAAGCCATTTCCTTGCTCGGAAAAGCAAGCCCAGCCCTGGGAAGGCAGAACCAAGATCCACGCCACCC - 330  
89 - Q A I P C S E S K P S P G K A E P R S T P P - 110

331 - CTGCTGTGCAAGCCGAGGAGGACAGCCAGGTCCAGCTGGGGCAAGGAATCCATCCGGCCAGGAGC - 396  
111 - L L C K P Q E D S Q V Q L G Q G I H P A R S - 132

397 - AGAGCCATCTCTGTCCCCAGGGCTCGCTGCTCGTGGAGCGGAGAAGGATCTCTCCGCCTACAAC - 462  
133 - R A I S V P Q G S L L V E R E K D L S A **Y N** - 154

463 - TGGAACTCGTTTCGGCTTGAGATACGGCAAGAGGCAAGCAGACACCAGGGAAGCCAAGGTGAAAATA - 528  
155 - **W N S F G L R Y** **G K R** Q A D T R E A K V K I - 176

529 - TTGTGA - 534  
177 - L \* - 178

>Painted turtle ORF Kiss2 |Scaffold JH584680|

1 - TAAACCTACTGCATGAGATTCCCTAAGGGAGGTGCTTGCAAGGTGTGTGCATGTGGAAGACCTTGAG - 66  
1 - \* T Y C M R F L R E V L A R C V H V E D L E - 22

67 - TTTTGCACACTCTTTCAAGGTATTTTGGATTTCTCAGTGGTGATGGTGGTGTGTGTTTTGCCCTA - 132  
23 - F C T L F Q G I L D F L S G D G G V C F A L - 44

133 - GATGCTGAATATCCAGTCAGTGACATAACAAGCCAAGAGGAACCTCTATCAGGCGAGCCAAGATGCC - 198  
45 - D A E Y P V S D I Q A K R N S Y Q A S Q D A - 66

199 - GATAGCCCCAATTCTGCAGAGCAATCCAGCCTCTGCTACTTTATCCAGGAGAGTGAGATTGCGAGT - 264  
67 - D S P N S A E Q S S L C Y F I Q E S E I A S - 88

265 - CAGATCTCCTGCAGACTGCGATTCACCAGGAGCAAGTTTAATTTTAACCCTTTTGGACTTCGGTTT - 330  
89 - Q I S C R L R F T R S K **F N F N P F G L R F** - 110

331 - GGGAAAAGGCAACAAGTCAGCTTGCCAGCAAAAAGGGATCCAATCACTTTAAGCAGTGTCAAAAAA - 396  
111 - **G K R** Q Q V S L A S K R D P I T L S S V K K - 132

397 - TTACCATCCCTATTAAAGTTCAAACCTAAACCAAATGGTGCCCTGGTGTGGAGACTTTGGGGAGCAG - 462  
133 - L P S L L K F K L N Q M V P W C G D F G E Q - 154

463 - GATTGTTAA - 471  
155 - D C \* - 157

>Chinese turtle ORF Kiss1 |Scaffold JH211545|

1 - TAAGATTATGGCAGGCCCTGTGAATTCTTTACTATTTATTTGTTTGGATTGCGGTGGTGCATAGGA - 66  
1 - \* D Y G R P C E F F T I Y L F G L R W C I G - 22

67 - GCTTCAGCCACGCACCAGGACCTCATGTGCTGGGTGCAGTGCAAACACAGAACAAAAAGACAGACT - 132  
23 - A S A T H Q D L M C W V Q C K H R T K R Q T - 44

133 - CTGCCCCAAAGACACTGCCTGCCACTTGCCACTGGTGAGTCTGACACTGACCACCTTCCCTCCTCA - 198  
45 - L P Q R H C L P L A T G E S D T D H F P S S - 66

199 - ACTCCTTCTGCGCCTTTCTCTGTAGGTGACCATTTCAAATACCTGGCCAGCCCCGGCCACTGGGAT - 264  
67 - T P S A P F S V G D H F K Y L A S P A H W D - 88

265 - CAAGCCATTCCCTTGCTCGGAAAGCAAGCCCAGCCCTGGGAAGGCAGAACCAAGATCCACGCCACCC - 330  
89 - Q A I P C S E S K P S P G K A E P R S T P P - 110

331 - CTGCTGTGCAAGCCGCAGGAGGACAGCCAGGTCCAGCTGGGGCAAGGAATCCATCCGGCCAGGAGC - 396  
111 - L L C K P Q E D S Q V Q L G Q G I H P A R S - 132

397 - AGAGCCATCTCTGTCCCCAGGGCTCGCTGCTCGTGGAGCGGGAGAAGGATCTCTCCGCCTACAAC - 462  
133 - R A I S V P Q G S L L V E R E K D L S A **Y N** - 154

463 - TGGAACTCGTTCGGCTTGAGATACGGCAAGAGGCAAGCAGACACCAGGGAAGCCAAGGTGAAAATA - 528  
155 - **W N S F G L R Y** **G K R** Q A D T R E A K V K I - 176

529 - TTGTGA - 534  
177 - L \* - 178

>Chinese turtle ORF Kiss2 |Scaffold JH209943|

1 - TAAACCTACTGCATGAGATTCCCTAAGGGAGGTGCTTGCAAGGTGTGTGCATGTGGAAGACCTTGAG - 66  
1 - \* T Y C M R F L R E V L A R C V H V E D L E - 22

67 - TTTTGCACACTCTTTCAAGGTATTTTGGATTTCCCTCAGTGGTGATGGTGGTGTGTGTTTTGCCCTA - 132  
23 - F C T L F Q G I L D F L S G D G G V C F A L - 44

133 - GATGCTGAATATCCAGTCAGTGACATAACAAGCCAAGAGGAACCTCTATCAGGCGAGCCAAGATGCC - 198  
45 - D A E Y P V S D I Q A K R N S Y Q A S Q D A - 66

199 - GATAGCCCCAATTCTGCAGAGCAATCCAGCCTCTGCTACTTTATCCAGGAGAGTGAGATTGCGAGT - 264  
67 - D S P N S A E Q S S L C Y F I Q E S E I A S - 88

265 - CAGATCTCCTGCAGACTGCGATTCACCAGGAGCAAGTTTAATTTTAACCCTTTTGGACTTCGGTTT - 330  
89 - Q I S C R L R F T R S K **F N F N P F G L R F** - 110

331 - GGGAAAAGGCAACAAGTCAGCTTGCCAGCAAAAAGGGATCCAATCACTTTAAGCAGTGTCAAAAAA - 396  
111 - **G K R** Q Q V S L A S K R D P I T L S S V K K - 132

397 - TTACCATCCCTATTAAAGTTCAAACCTAAACCAAATGGTGCCCTGGTGTGGAGACTTTGGGGAGCAG - 462  
133 - L P S L L K F K L N Q M V P W C G D F G E Q - 154

463 - GATTGTTAA - 471  
155 - D C \* - 157

>Saltwater crocodile ORF Kiss1 |Scaffold 14567|

1 - TAAAAGATATCGCTTCTACCCAAAGAAGCTTTGCCTATGTCCTTAGACCAACATGGCTACAACCAA - 66  
1 - \* K I S L L P K E A L P M S L D Q H G Y N Q - 22

67 - AAACCCTGCATCTACGGTGAGGCCCGTTCCCTTCTTAACGCTCCCTCTCTCCCTTTCGCTGTAGGT - 132  
23 - K P C I Y G E A R S L L N A P S L P F A V G - 44

133 - GTCCATTCCAACCCCACTCATTGCTTGGAGAGAAAAGCCCAGCCCTGGGAAGACAGAGCTGAAATCC - 198  
45 - V H S N P T H C L E R K P S P G K T E L K S - 66

199 - ATGCCAGCTGTCCCATGCCGGCGCCGGGGGAGCCCAGCCAGCTGTGGGAAGGCATCTCTCTGTTC - 264  
67 - M P A V P C R R R G S P A Q L W E G I S L F - 88

265 - CGGAGAAGAGGGAATGCTGCACCTCAGAGGTCGCTGCTGGTGGACCGGGAGAAGGATCTCTCCACC - 330  
89 - R R R G N A A P Q R S L L V D R E K D L S T - 110

331 - TACAAGTGGAACTCATTGGCCTGCGATACGGCAAGAGGCAAGCAGGCGTGGAGGAAGCCAATGTG - 396  
111 - **Y N W N S F G L R Y** **G K R** Q A G V E E A N V - 132

397 - AAAATATGGTGA - 408  
133 - K I W \* - 136

>American alligator ORF Kiss1 |Scaffold 4128|

1 - TAAGCTTGGGGCCGTTTCATTCACACAGCAAAGAGATGGCCCTACCTCAGAGGTCCTGCCCAGTGCT - 66  
1 - \* A W G R S F T Q Q R D G P T S E V L P S A - 22

67 - CATTTGCTCATCTCAGAAGAGCAGAGACTCCCTGAAGAAGGGTGCTTGTGCCAAAAGCTTGCAGA - 132  
23 - H L L I S E E Q R L P E E G C L C P K A C R - 44

133 - GAACTTTTTCCCAACTACTCAGTTGGTCTAATAAAAAGATATCACATCTACCCAAAGAAGCTTGCCT - 198  
45 - E L F P N Y S V G L I K D I T S T Q R S L P - 66

199 - GCCTTGTCCTTAGACCAACATGGCTACAACCAAAAACCCTACATCTACGGTGAAGACCTTTCTCTT - 264  
67 - A L S L D Q H G Y N Q K P Y I Y G E D L S L - 88

265 - CTTAATGCTCCCTCTCTCCCTTTTCGCTGTAGACATCCATTCCAACCCACTCATTGCTCGGAGAGA - 330  
89 - L N A P S L P F A V D I H S N P T H C S E R - 110

331 - AAGCCCAGCCCTGGGAAGACAGAGCTGAAATCTATGCCAGCCCTCCCATGCCGGCGCCGGGGGAGC - 396  
111 - K P S P G K T E L K S M P A L P C R R R G S - 132

397 - CCGGCCAGCTGTGGGAAGGGATCTCTCTCTTCCGGAGAAGAGGGAATGCTGCACCTCAGAGGTCG - 462  
133 - P A Q L W E G I S L F R R R G N A A P Q R S - 154

463 - CTGCTGGTGGACCGGGAGAAGGATCTCTCCACCTACAACCTGGAACCTCATTGGCCTACGATACGGC - 528  
155 - L L V D R E K D L S T **Y N W N S F G L R Y G** - 176

529 - AAGAGGCAAGCAGGCGTTGAGGAAGCCAACGTGAAAATATGGTGA - 573  
177 - **K R** Q A G V E E A N V K I W \* - 191

>Indian garial ORF Kiss1 |Scaffold 21193|

1 - TAGACCAACCAAAAAACCCTGCATCTATGGTGAGGCCCTTTCCCTTCTTAACGCTCCCTCTCTCCCT - 66  
1 - \* T N Q K P C I Y G E A L S L L N A P S L P - 22

67 - TTCGCTGTAGGCGTCCATTCCAACCCCACTCATTGCTTGGAGAGAAAAGCCCAGCTCTGGGAAGACA - 132  
23 - F A V G V H S N P T H C L E R K P S S G K T - 44

133 - GAGCTGAAATCCATGCCAGCCGTCCCATGCTGGCGCCGGGGGCGCCCAGCCAGCTGTGGGAAGGG - 198  
45 - E L K S M P A V P C W R R G R P A Q L W E G - 66

199 - ATCTCTCTGTTCCGGAGAAGAGGCAATGCTGCACCTCAGAGGTCACTGCTGGTGGACCGGGAGAAG - 264  
67 - I S L F R R R G N A A P Q R S L L V D R E K - 88

265 - GATCTCTCCACCTACAACCTGGAACCTCATTTGGCCTGCGATACGGCAAGAGGCAAGCAGGCGTGGAG - 330  
89 - D L S T **Y N W N S F G L R Y** **G K R** Q A G V E - 110

331 - GAAGCCAACGTGAAAAATATGGTGA - 354  
111 - E A N V K I W \* - 132

>Rock pigeon ORF Kiss2-like |Contig 42221|

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1 - TAGCCATCCTGCAGATATCAGCTCACCAGAGGCAGGTTTAAATGTTAATCCTTTGGGAGTTGGATT - 66
1 - * P S C R Y Q L T R G R F N V N P L G V G F - 22

67 - GGAAAAGGATGCTGGGGTAGCCTGGCCACTAAGATGGATCCTGCAACTTAG - 117
23 - G K G C W G S L A T K M D P A T * - 39
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>Zebra finch ORF Kiss2-like |Chromosome 1A|

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1 - TAACAGCTTGCCATGGGCAAGTTTAAGGTTAATCTTCTTGGACTTGGCTTTGGAAAATTATGCCAG - 66
1 - * Q L A M G K F K V N L L G L G F G K L C Q - 22

67 - AGTAGCTTGGCCACCCAGATGGATTCTGCAACTCAGATAAGCATCAGAATGCCACCGTCCTATTTA - 132
23 - S S L A T Q M D S A T Q I S I R M P P S Y L - 44

133 - AAGTTTAAAATAAATGCTGTGATGAGCAGGTATCCCTCTGAGGGACTGGACTGCTCAGTGCATAAT - 198
45 - K F K I N A V M S R Y P S E G L D C S V H N - 66

199 - CTATGCTACAATTCACGTGTGCCATTTTCCCATGTGAGCAGAGATTTGGGAACATTCCCTTTTGAA - 264
67 - L C Y N S R V P F S H V S R D L G T F P F E - 88

265 - GCACCTCCCCCAGGCACCTGA - 285
89 - A P P P G T * - 95
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