

Additional File 7: KIT-ligand genes from four species of crocodilians and KIT-ligand-like sequences encoded by copies of CrocERV29.

This file contains:

- Scaffold number, exon-intron locations, cDNA sequences, and amino acid sequences of the KIT-ligand genes from *A. mississippiensis*, *A. sinensis*, *C. porosus*, and *G. gangeticus*.
- Reconstructed cDNA and amino acid sequences of the KIT-ligand-like retrocopies from CrocERV29 insertions.

Crocodylian KIT-ligand genes

Alligator mississippiensis: scaffold 3372 (GenBank: JH733102)

Exon-intron structure:

Exon1	44030	44143
Exon2	60206	60268
Exon3	67304	67474
Exon4	72815	72974
Exon5	74407	74486

>Alligator_mississippiensis_cDNA

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>Alligator_mississippiensis_Protein

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Alligator sinensis: scaffold1076

Exon-intron structure:

Exon1	410510	410397
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Exon3	386288	386118
Exon4	380775	380613
Exon5	379189	379110

>Alligator_sinensis_cDNA

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>Alligator_sinensis_Protein

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Crocodylus porosus: scaffold-17042

Exon-intron structure:

Exon1	21310	21423
Exon2	48730	48792
Exon3	55257	55427
Exon4	60678	60840
Exon5	64671	64750

>*Crocodylus porosus*_cDNA

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>*Crocodylus porosus*_Protein

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Gavialis gangeticus: scaffold4318

Exon-intron structure

Exon1	102637	102524
Exon2	85583	85521
Exon3	66992	66822
Exon4	61638	61476
Exon5	60032	59953

>*Gavialis gangeticus*_cDNA

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>*Gavialis gangeticus*_Protein

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Nucleotide sequences of KIT-ligand retrocopies from CrocERV29

Sequences labeled “Cpor” are from *C. porosus*, “Ggan” are from *G. gangeticus*. The scaffold location is included within square brackets. Where the surrounding ERV insertions are relatively conserved, the name of the associated ERV sequence has also been provided.

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Protein sequences of KIT-ligand retrocopies from CrocERV29

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