

GENOME SEQUENCING

The Complete Genome Sequences of 22 Species of Cambodian Amphibians and Reptiles

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Biodiversity Genomes

We present complete genome sequences of 22 species of Cambodian Amphibians and Reptiles.

Methods

Tissues from single, wild-collected individuals were used for this study. DNA extraction was performed using the Qiagen DNEasy genomic extraction kit using the standard process. Paired-end sequencing libraries were constructed using the Illumina TruSeq kit according to the manufacturer's instructions. The libraries were sequenced on an Illumina Hi-Seq platform in paired-end, 2 × 150bp format. The resulting fastq files were trimmed of adapter/primer sequences and low-quality regions with Trimmomatic v0.33 (Bolger et al. 2014). The trimmed sequence was assembled by SPAdes v3.15.4 (Bankevich et al. 2012) followed by a finishing step using Zanfona (Kieras et al. 2021).

Results and Data Availability

All raw data and assembled genomes are available via Genbank.

taxname	accession	specimen_voucher
Boiga cyanea	JBYEHR000000000	NRB 0617
Bungarus candidus	JBYVEH000000000	NRB 0590
Calloselasma rhodostoma	JBYIYH000000000	NRB 0592
Cyrtodactylus intermedius	JBYVEO000000000	NRB 0540
Dendrelaphis pictus	JBYIXT000000000	NRB 0621
Duttaphrynus melanostictus	JBXGFQ000000000	NRB 0531
Fejervarya limnocharis	JBYOGR000000000	NRB 0548
Gekko gecko	JBYIYK000000000	NRB 0552
Hemidactylus frenatus	JBYIXY000000000	NRB 0554
Hemidactylus platyurus	JBZFXA000000000	NRB 0556
Homalopsis mereljcoxi	JBYVER000000000	NRB 0611
Kalophrynus interlineatus	JBYIYB000000000	NRB 0562
Kaloula pulchra	JBXGFO000000000	NRB 0565
Lycodon davisonii	JBYOHB000000000	NRB 0619
Naja fuxi	JBYOHI000000000	NAFU-KH
Naja kaouthia	JBYOHD000000000	NRB 0509
Naja siamensis	JBYOGX000000000	NRB 0510
Pareas berdmorei	JBWWBL000000000	NRB 0594
Physignathus cocincinus	JBYOHF000000000	NRB 0537
Sphenomorphus maculatus	JBYOGZ000000000	NRB 0525

taxname	accession	specimen_voucher
Trimeresurus cardamomensis	JBWWCN000000000	NRB 0553
Trimeresurus macrops	JBWWCO000000000	NRB 0521

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