

## GENOMIC RESOURCES NOTE

# Genomic Resources Notes Accepted 1 August 2014–30 September 2014

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## Abstract

This article documents the public availability of (i) transcriptome sequence data, assembly and annotation, and single nucleotide polymorphisms (SNPs) for the cone snail *Conus miliaris*; (ii) a set of SNP markers for two biotypes from the *Culex pipiens* mosquito complex; (iii) transcriptome sequence data, assembly and annotation for the mountain fly *Drosophila nigrosparisa*; (iv) transcriptome sequence data, assembly and annotation and SNPs for the Neotropical toads *Rhinella marina* and *R. schneideri*; and (v) partial genomic sequence assembly and annotation for 35 spiny lizard species (Genus *Sceloporus*).

Table 1 contains information on the focal species, data type and resource developed, as well as access details for the data. The authors responsible for each genomic resource are listed in the final column. Full descriptions

of how each resource was developed and tested are uploaded as Supplemental Information with the online version of this manuscript.

**Table 1** Information on the focal species, data type and resource developed, as well as access details for the data. The authors responsible for each genomic resource are listed in the final column

Species (no. of individuals)	Data type	Resources	Authors
<i>Conus miliaris</i> (22)	Transcriptome sequencing, assembly and annotation, and SNP discovery	Transcriptome sequence data: NCBI Sequence Read Archive: PRJNA257931, SRP045405 Sequence assembly, annotations and relative expression levels: Dryad doi: 10.5061/dryad.t74q4 SNPs:.vcf file available on Dryad under the Accession: doi: 10.5061/dryad.t74q4	David A. Weese, Thomas F. Duda  David S. Kang, Cheolho Sim

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**Table 1** (Continued)

Species (no. of individuals)	Data type	Resources	Authors
<i>Culex pipiens</i> form molestus (10), <i>Culex pipiens</i> form pipiens (10)	SNP discovery & validation	SNPs: NCBI SNP Database: dbSNP Accession nos. ss947844444– ss947844519 Annotated consensus sequence data, gene ontologies, genetic map locations, supercontig information, and validation results: Dryad: doi: 10.5061/dryad.9fg6h	
<i>Drosophila nigrosparsa</i> (2 for each of 22 developmental & physiological stages except 150 pooled for eggs and 1st instar larvae)	Transcriptome sequencing, assembly and annotation	Transcriptome sequence data: NCBI Sequence Read Archive: PRJNA232118 Sequence assembly and annotations: Dryad doi: 10.5061/dryad.0mv56	Wolfgang Arthofer, Francesco Cicconardi, Nicola Palmieri, Viola Nolte, Christian Schlötterer, Birgit C. Schlick-Steiner, Florian M. Steiner
<i>Rhinella marina</i> (5), <i>R. schneideri</i> (5)	Transcriptome sequencing, assembly and SNP discovery	Transcriptome sequence data: NCBI Sequence Read Archive: PRJNA255079, SRP044269 Sequence assembly: Dryad doi: 10. 5061/dryad.3jm3n SNPs:.vcf file available on Dryad under the Accession: doi: 10.5061/ dryad.3jm3n	Coralie Nourissona, Miguel Carneiroa, Marcelo Vallinoto, Fernando Sequeira
<i>Sceloporus occidentalis</i> (1) and 34 other <i>Sceloporus</i> species (1 per spp.)	Partial genomic sequence assembly and annotation	Sequence data: NCBI Sequence Read Archive: SRP041983 Sequence assembly and annotations: Dryad doi: 10.5061/dryad.n2q7f	R B. Harris, B L. Banbury, A D. Leaché

## Supporting Information

Additional Supporting Information may be found in the online version of this article:

**Appendix S1** *De novo* transcriptome assembly of the mountain fly *Drosophila nigrosparsa* using short RNA-seq reads.

**Appendix S2** Comparative genomic resources for spiny lizards (genus *Sceloporus*).

**Appendix S3** Identification and assessment of single nucleotide polymorphisms (SNPs) between *Culex* complex mosquitoes.

**Appendix S4** *De novo* transcriptome assembly and polymorphism detection in ecologically important widely distributed Neotropical toads from the *Rhinella marina* species complex (Anura: Bufonidae).

**Appendix S5** Transcriptomic resources for three populations of *Conus miliaris* (Mollusca: Conidae) from Easter Island, American Samoa and Guam.