

# Resource Summary Report

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## Tetraodon nigroviridis Database

RRID:SCR\_007123

Type: Tool

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### Proper Citation

Tetraodon nigroviridis Database (RRID:SCR\_007123)

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### Resource Information

**URL:** <http://www.broadinstitute.org/annotation/tetraodon/>

**Proper Citation:** Tetraodon nigroviridis Database (RRID:SCR\_007123)

**Description:** This database have been funded by the National Human Genome Research Institute (NHGRI) to produce shotgun sequence of the Tetraodon nigriviridis genome. The strategy involves Whole Genome Shotgun (WGS) sequencing, in which sequence from the entire genome is generated. Whole genome shotgun libraries were prepared from Tetraodon genomic DNA obtained from the laboratory of Jean Weissenbach at Genoscope. Additional sequence data of approximately 2.5X coverage of Tetraodon has also been generated by Genoscope in plasmid and BAC end reads. Broad and Genoscope intend to pool their data and generate whole genome assemblies. Tetraodon nigroviridis is a freshwater pufferfish of the order Tetraodontiformes and lives in the rivers and estuaries of Indonesia, Malaysia and India. This species is 20-30 million years distant from Fugu rubripes, a marine pufferfish from the same family. The gene repertoire of T. nigroviridis is very similar to that of other vertebrates. However, its relatively small genome of 385 Mb is eight times more compact than that of human, mostly because intergenic and intronic sequences are reduced in size compared to other vertebrate genomes. These genome characteristics along with the large evolutionary distance between bony fish and mammals make Tetraodon a compact vertebrate reference genome - a powerful tool for comparative genetics and for quick and reliable identification of human genes.

**Synonyms:** TND

**Resource Type:** database, data or information resource

**Keywords:** estuary, evolutionary, fish, freshwater, fugu rubripes, gene, genetic, bac, bony, distance, dna, genome, genomic, human, intergenic, intronic, nigriviridis, plasmid, pufferfish, river, sequence, sequencing, shotgun, specie, tetraodon, tetraodontiformes, vertebrate

**Resource Name:** Tetraodon nigroviridis Database

**Resource ID:** SCR\_007123

**Alternate IDs:** nif-0000-20998

**Record Creation Time:** 20220129T080240+0000

**Record Last Update:** 20260808T190411+0000

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## Ratings and Alerts

No rating or validation information has been found for Tetraodon nigroviridis Database.

No alerts have been found for Tetraodon nigroviridis Database.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.