

PERMANENT GENETIC RESOURCES NOTE

Permanent Genetic Resources added to Molecular Ecology Resources Database 1 April 2012 – 31 May 2012

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Abstract

This article documents the addition of 123 microsatellite marker loci to the Molecular Ecology Resources Database. Loci were developed for the following species: *Brenthis ino*, *Cichla orinocensis*, *Cichla temensis*, *Epinephelus striatus*, *Gobio gobio*, *Liocarcinus depurator*, *Macrolophus pygmaeus*, *Monilinia vaccinii-corymbosi*, *Pelochelys cantorii*, *Philotrypesis josephi*, *Romanogobio vladykovi*, *Takydromus luyeanus* and *Takydromus viridipunctatus*. These loci were cross-tested on the following species: *Cichla intermedia*, *Cichla ocellaris*, *Cichla pinima*, *Epinephelus acanthistius*, *Gobio carpathicus*, *Gobio obtusirostris*, *Gobio sp. 1*, *Gobio volgensis*, *Macrolophus costalis*, *Macrolophus melanotoma*, *Macrolophus pygmaeus*, *Romanogobio albipinnatus*, *Romanogobio banaticus*, *Romanogobio belingi*, *Romanogobio kesslerii*, *Romanogobio parvus*, *Romanogobio pentatrachus*, *Romanogobio uranoscopus*, *Takydromus formosanus*, *Takydromus hsuehshanesis* and *Takydromus stejnegeri*.

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This article documents the addition of 123 microsatellite marker loci to the Molecular Ecology Resources Database. Table 1 contains information on the focal species,

the number of loci developed, any other species the loci were tested in and the accession numbers for the loci in both the Molecular Ecology Resources Database and

Table 1 Information on the focal species, the number of loci developed, any other species the loci were tested in and the accession numbers for the loci in both the Molecular Ecology Resources Database and GenBank. The authors responsible for each set of loci are listed in the final column

Species	No. primers developed	Other species tested	MER database no.	GenBank accession no.	Authors
<i>Brenthis ino</i>	11	n/a	48990–48992, 48995–49001, 49003	JQ688092–JQ688096, JQ688098–JQ688103	Weyer, Jessica; Hochkirch, Axel; Altmann, Carolin; Hankeln, Thomas; Schmitt, Thomas; Veith, Michael
<i>Cichla orinocensis</i> and <i>C. temensis</i>	12	<i>C. ocellaris</i> , <i>C. pinima</i> , <i>C. intermedia</i>	49004–49015	JQ936509–JQ936520	Macrander, Jason; Willis, Stuart; Gibson, Shane; Orti, Guillermo; Hrbek, Tomas
<i>Epinephelus striatus</i>	10	<i>E. acanthistius</i>	49128–49137	FJ178389, FJ178391, FJ178393, FJ711588, FJ711589, JX041258–JX041260, JX041262, JX041266	Jackson, Alexis M.; Semmens, Brice X.; Bernardi, Giacomo
<i>Liocarcinus depurator</i>	11	n/a	49493–49503	JX104535–JX104545	Palero, F.; Garcia-Merchan, Vh.; Abelló, P.; Macpherson, E.; Pascual, M.
<i>Macrophys pygmaeus</i>	9	<i>M. pygmaeus</i> , <i>M. costalis</i> , <i>M. melanotoma</i>	49096–49104	GF111951–GF111956, GF111958–GF111960	Hamdi, Faten; Clouet, Cécile; Streito, Jean-Claude; Bonato, Olivier; Gauthier, Nathalie
<i>Monilinia vaccinii-corymbosi</i>	21	n/a	49461–49481	JQ358947–JQ358967	Burchhardt, Kathleen M.; Cubeta, Marc A.
<i>Pelochelys cantorii</i>	13	n/a	49524–49536	JN016746, JN016747 See ms for details	Chen, Xiao; Ai, Weiming; Zhou, Zhiming; Chen, Zhijian; Lin, Chongwen
<i>Philotrypesis josephi</i>	9	n/a	49484–49492	JQ247680–JQ247688	Tian, En-Wei; Yu, Hui
<i>Romanogobio vladykovi</i> and <i>Gobio gobio</i>	6 novel primers, 5 cross-amplified	<i>G. obtusirostris</i> , <i>G. sp. 1</i> , <i>G. carpathicus</i> , <i>G. volgensis</i> , <i>R. belingi</i> , <i>R. albipinnatus</i> , <i>R. parvus</i> , <i>R. uranoscopus</i> , <i>R. banaticus</i> , <i>R. kesslerii</i> , <i>R. pentatrichus</i>	26381, 26383–26384, 26386–26387, 48984–48989	DQ207799, DQ207801, DQ207802, DQ207804, DQ207805, JQ993103–JQ993107	Mendel, Jan; Papoušek, Ivo; Marešová, Eva; Vetešník, Lukáš; Halačka, Karel; Nowak, Michał; Čížková, Dagmar

Table 1 (Continued)

Species	No. primers developed	Other species tested	MER database no.	GenBank accession no.	Authors
<i>Takydromus viridipunctatus</i> and <i>T. luyeanus</i>	16	<i>T. hsuehshanesis</i> , <i>T. formosanus</i> , <i>T. stejnegeri</i>	48834, 48839, 48844, 48849, 48854, 48859, 48864, 48869, 48874, 48876, 48880, 48885, 48889, 48894, 48899, 48901	See ms for details	Tseng, Shu-Ping; Wang, Hurng-Yi; Lin, Si-Min

GenBank. The authors responsible for each set of loci are listed in the final column. The MER database and GenBank accession numbers and the authors responsible are also listed. A full description of the development protocol

for the loci presented here can be found on the Molecular Ecology Resources Database (<http://tomato.biol.trinity.edu/>).