

PERMANENT GENETIC RESOURCES NOTE

**Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2009–31 January 2010**

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## Abstract

**This article documents the addition of 220 microsatellite marker loci to the Molecular Ecology Resources Database. Loci were developed for the following species: *Allanblackia floribunda*, *Amblyraja radiata*, *Bactrocera cucurbitae*, *Brachycaudus helichrysi*, *Calopogonium mucunoides*, *Dissodactylus primitivus*, *Elodea canadensis*, *Ephydatia fluviatilis*, *Galapaganus howdenae*, *Howdenia howdenae*, *Hoplostethus atlanticus*, *Ischnura elegans*, *Larimichthys polyactis*, *Opheodrys vernalis*, *Pelteobagrus fulvidraco*, *Phragmidium violaceum*, *Pistacia vera*, and *Thunnus thynnus*. These loci were cross-tested on the following species: *Allanblackia gabonensis*, *Allanblackia stanerana*, *Neoceratitis cyanescens*, *Dacus ciliatus*, *Dacus demmerezi*, *Bactrocera zonata*, *Ceratitis capitata*, *Ceratitis rosa*, *Ceratitis catoirii*, *Dacus punctatifrons*, *Ephydatia mülleri*, *Spongilla lacustris*, *Geodia cydonium*, *Axinella* sp., *Ischnura graellsii*, *Ischnura ramburii*, *Ischnura pumilio*, *Pistacia integerrima* and *Pistacia terebinthus*.**

This article documents the addition of 220 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

GenBank. The authors responsible for each set of loci are listed in the final column. 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/>).

**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>Allanblackia floribunda</i>	10	<i>Allanblackia gabonensis</i> , <i>Allanblackia stanerana</i>	43461–43470	FJ429964–FJ429973	Alain R. Atangana André Gagné Craig H. Newton Jean Beaulieu Damase P. Khasa
<i>Amblyraja radiata</i>	9	n/a	43452–43460	DR713456, GU017320, CV067262, DR713467, DT726335, EE991287, EE992583, CV547492, EE991874	Matthew P. Salomon D. Gigi Ostrow Ann Marie Clark Jeff Kneebone James Sulikowski Paul C.W. Tsang
<i>Bactrocera cucurbitae</i>	13	<i>Neoceratitis cyanescens</i> , <i>Dacus ciliatus</i> , <i>Dacus demmerezi</i> , <i>Bactrocera zonata</i> , <i>Ceratitis capitata</i> , <i>Ceratitis rosa</i> , <i>Ceratitis catoirii</i> , <i>Dacus punctatifrons</i>	43542–43554	GQ863215–GQ863227	H. Delatte M. Virgilio C. Simiand A.M. Risterucci M. De Meyer S. Quilici
<i>Brachycaudus helichrysi</i>	11	n/a	43301–43311	GU220808–GU220818	A. Tayeh A.-L. Clamens E. Jousselin A. Coeur d'acier
<i>Calopogonium mucunoides</i>	23	n/a	43118–43140	GQ398753–GQ398769, CQ906418–CQ906423	A.C.B. Sousa M.A. Carvalho A.K.B. Ramos D.A. Sforca T. Campos L. Jungmann M.I. Zucchi L. Jank A.P. Souza
<i>Dissodactylus primitivus</i>	15	n/a	43505–43519	GF102046–GF102060	Colin De Bruyn Maria Gaillard Christine Dubreuil Chantal De Ridder Buno David Thierry Rigaud Rémi A. Wattier
<i>Elodea canadensis</i>	10	n/a	43409–43419	FN433089–FN433098	T. Huotari H. Korpelainen K. Kostamo
<i>Ephydatia fluviatilis</i>	11	<i>Ephydatia mülleri</i> , <i>Spongilla lacustris</i> , <i>Geodia cydonium</i> , <i>Axinella</i> sp.	43312–43322	FJ752588–FJ752595, GQ476799–GQ476801	L. Gigliarelli L. Lucentini A. Palomba M.E. Puletti L. Lanfaloni M.W. Bruford F. Panara

Table 1 (Continued)

Species	No. primers developed	Other species tested	MER database no.	GenBank accession no.	Authors
<i>Galapaganus howdenae</i> <i>howdenae</i>	8	n/a	43520–43527	GU595389–GU595396	C.C. Stepien M.E. Kaczmarek, H.F. Mok, A.J. Stuckert P.P. Chen, S.J. Downer A.S. Sequeira
<i>Hoplostethus atlanticus</i>	8	n/a	43589–43596	AM230651–AM230657, GQ851627	James P. Coughlan, Paul Connolly Thomas F. Cross
<i>Ischnura elegans</i>	12	<i>Ischnura graellsii</i> , <i>Ischnura ramburii</i> , <i>Ischnura pumilio</i>	43566–43577	GU434344–GU434355	Maren Wellenreuther, Rosa A. Sánchez-Guillén Adolfo Cordero-Rivera Bengt Hansson Le Wang Bin Fan Zhimeng Zhuang Zining Meng Yong Zhang Xiaochun Liu Haoran Lin
<i>Larimichthys polyactis</i>	30	n/a	43379–43408	GQ994100–GQ994129	Shane K. Sarver Cynthia M. Anderson, Forrest Cain, Brian Smith Huan L. Wang Cong X. Xie Xiu J. Zhang Nan Chen D.R. Gomez, L. Morin, K.J. Evans, W.F. Mahaffee, T.M. Neill N.J. Grünwald
<i>Ophiodryx vernalis</i>	8	n/a	43323–43330	EF666123, EF666124, EF666126, EF666128, EF666129, EF666130, GU108482, GU123604	E. Vendramin, J. Aparicio Gallego, S. Micali, J. Giovinazzi, I. Verde, M.T. Dettori, R. Quarta
<i>Pelteobagrus fulvidraco</i>	14	n/a	43255–43268	GQ139484–GQ139491, GQ150677, GQ150679, GQ414519–GQ414521, GQ150678	G. Ferrara, L. Zane, J.K.J. Van Houdt, I. Milano, A. Cariani, G.E. Maes, F. Tinti
<i>Phragmidium violaceum</i>	11	n/a	43555–43565	GQ389208–GQ389218	
<i>Pistacia vera</i>	11	<i>Pistacia integerrima</i> , <i>Pistacia terebinthus</i>	43416–43433	GH270526, GH270668, GH270737, GH270970, GH270998, GH271177, GH271243, GH271253, GH271422, GH271452, GH271546, GH271557, GH271610, GH271646	
<i>Thunnus thynnus</i>	16	n/a	43489–43504	EC091833, EC919111, EL610963, EG999880, EH668427, EH667404, EH668446, EG630604, EH668260, EC918837, EH380038, EH668393, EG999816, EH000439, EC919059, EG630051	