

PERMANENT GENETIC RESOURCES NOTE

Permanent Genetic Resources added to Molecular Ecology Resources Database 1 February 2013–31 March 2013

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Abstract

This article documents the addition of 142 microsatellite marker loci to the Molecular Ecology Resources database. Loci were developed for the following species: *Agriophyllum squarrosum*, *Amazilia cyanocephala*, *Batillaria attramentaria*, Fungal strain CTeY1 (Ascomycota), *Gadopsis marmoratus*, *Juniperus phoenicea* subsp. *turbinata*, *Liriomyza sativae*, *Lupinus polyphyllus*, *Metschnikowia reukaufii*, *Puccinia striiformis* and *Xylocopa grisescens*. These loci were cross-tested on the following species: *Amazilia beryllina*, *Amazilia candida*, *Amazilia rutila*, *Amazilia tzacatl*, *Amazilia violiceps*, *Amazilia yucatanensis*, *Campylopterus curvipennis*, *Cynanthus sordidus*, *Hylocharis leucotis*, *Juniperus brevifolia*, *Juniperus cedrus*, *Juniperus osteosperma*, *Juniperus oxycedrus*, *Juniperus thurifera*, *Liriomyza bryoniae*, *Liriomyza chinensis*, *Liriomyza huidobrensis* and *Liriomyza trifolii*.

This article documents the addition of 142 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>Agriophyllum squarrosum</i>	15	n/a	50753–50767	JX477772–JX477786	Zhang, Tian-Yun; Zhang, Chang-Rong; Song, Chang-Bing; Chen, Hai-kui
<i>Amazilia cyanocephala</i>	10	<i>A. beryllina</i> , <i>A. candida</i> , <i>A. rutila</i> , <i>A. tzacatl</i> , <i>A. violiceps</i> , <i>A. yucatanensis</i> , <i>Campylopterus curvipennis</i> , <i>Cynanthus sordidus</i> , <i>Hylocharis leucotis</i>	50666–50675	KC566118, KC566120, KC566121, KC566123, KC566125–KC566130	Gutiérrez-Rodríguez, Carla; Covarrubias, Sara; González, Clementina; Ornelas, Juan Francisco
<i>Batillaria attramentaria</i>	14	n/a	50686–50699	AB711161, AB711163–AB711166, AB762682–AB762690	Itoh, H.; Kamimura, S.; Takeshima, H.; Kojima, S.
Fungal strain CTeY1 (Ascomycota)	9	n/a	50647–50655	KC551930–KC551938	Benoit, Laure; Blatrix, Rumsaïs; Djiéto-Lordon, Champlain; Atteke, Christiane; Mezui-M'Eko, Judicaël; Dubois, Marie-Pierre; McKey, Doyle; Born, Céline

Table 1 (Continued)

Species	No. primers developed	Other species tested	MER database no.	GenBank accession no.	Authors
<i>Gadopsis marmoratus</i>	13	n/a	50725–50737	KC662062–KC662074	Ling, Hannah J.; Sandoval-Castillo, Jonathan; Hammer, Michael P.; Beheregaray, Luciano B. García, Cristina; Rigueiro, Cristina
<i>Juniperus phoenicea</i> subsp. <i>turbinata</i>	10	<i>J. brevifolia</i> , <i>J. cedrus</i> , <i>J. osteosperma</i> , <i>J. oxycedrus</i> , <i>J. thurifera</i>	50676–50685	KC538839–KC538848	
<i>Liriomyza sativae</i>	10	<i>L. bryoniae</i> , <i>L. chinensis</i> , <i>L. huidobrensis</i> , <i>L. trifolii</i>	50656–50665	JX988506, JX988507, JX988510, JX988511, JX988513, JX988515–JX988519	Yan, Ji; Yu-Zhou, Du
<i>Lupinus polyphyllus</i>	12	n/a	50738–50749	KC814577–KC814588	Li, Shou-Li; Vasemägi, Anti; Matos-Maraví, Pável F.; Ramula, Satu Seino, Miyuki M.; de Vega, Clara; Bazaga, Pilar; Pozo, María I.; Herrera, Carlos M.
<i>Metschnikowia reukaufii</i>	11	n/a	50768–50778	KC802230–KC802240	Bailey, J.; Karaoglu, H.; Wellings, C. R.; Park, R. F.
<i>Puccinia striiformis</i>	25	n/a	50700–50724	AEEW01006106, AEEW01006924, AEEW01007191, AEEW01007248, AEEW01007581, AEEW01007642, AEEW01007821, AEEW01008284, AEEW01008708, AEEW01008827, AEEW01008886, AEEW01009186, AEEW01009408, AEEW01009492, AEEW01009750, AEEW01009975, AEEW01010273, AEEW01010833, AEEW01011699, AEEW01012705, AEEW01012792, AEEW01014724, AEEW01014764, AEEW01027613, AEEW01028302	
<i>Xylocopa grisescens</i>	13	n/a	50634–50646	KC168056–KC168068	Augusto, S. C.; Gonçalves, P. H. P.; Brito, R. M.; Francisco, F. O.; Santiago, L. R.; Arias, M. C.