

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 | García, Cristina; Rigueiro, Cristina |
| <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 |
| <i>Metschnikowia reukaufii</i> | 11 | n/a | 50768–50778 | KC802230–KC802240 | Seino, Miyuki M.; de Vega, Clara; Bazaga, Pilar; Pozo, María I.; Herrera, Carlos M. |
| <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 | Bailey, J.; Karaoglu, H.; Wellings, C. R.; Park, R. F. |
| <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. |