

Permanent Genetic Resources Note

Permanent Genetic Resources added to Molecular Ecology Resources

Database 1 October 2012–30 November 2012

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Abstract

This article documents the addition of 153 microsatellite marker loci to the Molecular Ecology Resources Database. Loci were developed for the following species: *Brassica oleracea*, *Brycon amazonicus*, *Dimorphandra wilsonii*, *Eupallasella percunurus*, *Helleborus foetidus*, *Ipomoea purpurea*, *Phrynops geoffroanus*, *Prochilodus argenteus*, *Pyura* sp., *Sylvia atricapilla*, *Teratosphaeria suttonii*, *Trialeurodes vaporariorum* and *Trypanosoma brucei*.

These loci were cross-tested on the following species: *Dimorphandra coccicinea*, *Dimorphandra cuprea*, *Dimorphandra gardneriana*, *Dimorphandra jorgei*, *Dimorphandra macrostachya*, *Dimorphandra mollis*, *Dimorphandra parviflora* and *Dimorphandra pennigera*.

This article documents the addition of 153 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. 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/>).

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>Brassica oleracea</i> | 9 | n/a | 50283, 50285, 50286, 50288, 50289, 50292-50295 | AM231517, AJ344565, AY178440, AY306125, FJ529019, FJ848914, GQ177484, JF318402, U67456 | Raggi, L.; Ciancaleoni, S.; Negri, V. |
| <i>Brycon amazonicus</i> | 8 | n/a | 50160, 50170-50172, 50174-50177 | JQ993449-JQ993451, JQ993453, JQ993454, JQ993457, JQ993459, JQ993462 | Clímaco, Gisele T.; Santos, Carlos Henrique dos Anjos; Nascimento, Priscila Roberta M.; Lima, Marcos P.; Paula-Silva, Maria N.; Matoso, Daniele A.; Almeida-Val, Vera Maria F. |
| <i>Dimorphandra wilsonii</i> | 9 | <i>D. coccinea</i> , <i>D. cuprea</i> , <i>D. gardneriana</i> , <i>D. jorgei</i> , <i>D. macrostachya</i> , <i>D. mollis</i> , <i>D. parviflora</i> , <i>D. pennigera</i> | 50216-50222, 50224, 50225 | JX045934-JX045942 | Vinson, C. C.; Azevedo, V. C. R.; Mendonça, M. A. C.; Ciampi, A. Y.; Oliveira, L. O. |
| <i>Eupallasea percnurus</i> | 11 | n/a | 50226-50236 | JQ937245-JQ937250, JQ937252, JQ937253, JX424297-JX424299 | Kaczmarczyk, Dariusz; Gadomski, Mateusz |
| <i>Helleborus foetidus</i> | 26 | n/a | 50237-50240, 50242-50246, 50248-50262, 50371, 50372 | JX905360-JX905372, JX905373, JX905385 | Seino, Miyuki M.; de Vega, Clara; Bazaga, Pilar; Medrano, Mónica; Herrera, Carlos M. |
| <i>Ipomoea purpurea</i> | 20 | n/a | 50263-50282 | KC122206-KC122225 | Kuester, Adam; Foltz, Britnie; Lor, Grant; Chang, Shu-Mei; Bennetzen, Jeffrey L.; Baucom, Regina |
| <i>Phrynops geoffroanus</i> | 8 | n/a | 50208-50215 | JX402861-JX402867, JX402869 | Villela, Priscilla M. S.; Longo, Ana Luiza B.; Jorge, Erika C.; Brassaloti, Ricardo A.; Martins, Aline R.; Marques, Thiago S.; Verdade, Luciano M.; Figueira, Antonio; Coutinho, Luiz L. |
| <i>Prochilodus argenteus</i> | 8 | n/a | 50161-50168 | JX629288-JX629295 | Lima, Ana P. S.; Oliveira, Karine K. C.; Lima, Maíra.; Dantas, Hozana L.; Maggioni, Rodrigo; Filho, Manoel A. G.; Coimbra, Maria R. M. |
| <i>Pyura</i> sp. | 10 | n/a | 50198-50207 | JX993115-JX993124 | Teske, P. R.; |

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| | | | | | Sandoval-Castillo, J.; Fressign, L.; Beheregaray, L. B. |
| <i>Sylvia atricapilla</i> | 9 | n/a | 50330-50338 | JQ283445-JQ283453 | Mettler, Raean; Schaefer, H. Martin; Segelbacher, Gernot |
| <i>Teratosphaeria suttonii</i> | 11 | n/a | 46749-46759 | JN133903- JN133913 | Taole, Matsepo M.; Wingfield, Brenda D.; Burgess, Treena I.; Wingfield, Michael J. |
| <i>Trialeurodes vaporariorum</i> | 13 | n/a | 50317-50329 | GF112015-GF112022, GF112024, GF112025, GF112027-GF112029 | Ovcarenko, Irina; Clouet, Cécile; Knott, Emily; Tsagkarakou, Anastasia; Gauthier, Nathalie |
| <i>Trypanosoma brucei</i> | 11 | n/a | 50306-50316 | See ms for details. | Sistrom, Mark; Echodu, Richard; Hyseni, Chaz; Enyaru, John; Aksoy, Serap; Caccone, Adagisa |
