

Permanent Genetic Resources Note

Permanent Genetic Resources added to Molecular Ecology Resources

Database 1 October 2012–30 November 2012

Molecular Ecology Resources Primer Development Consortium^{1,*}, Serap Aksoy², Vera Maria F. Almeida-Val³, V. C. R. Azevedo⁴, Regina Baucom⁵, Pilar Bazaga⁶, L. B. Beheregaray⁷, Jeffrey L. Bennetzen⁸, Ricardo A. Brassaloti⁹, Treena I. Burgess¹⁰, Adagisa Caccone¹¹, Shu-Mei Chang¹², A. Y. Ciampi⁴, S. Ciancaleoni¹³, Gisele T. Clímaco³, Cécil clouet¹⁴, Maria R. M. Coimbra¹⁵, Luiz L. Coutinho⁹, Hozana L. Dantas¹⁵, Clara De Vega⁶, Richard Echodu¹⁶, John Enyaru¹⁷, Antonio Figueira¹⁸, Manoel A. G. Filho¹⁹, Britnie Foltz¹², L. Fressigné⁷, Mateusz Gadomski²⁰, Nathalie Gauthier²¹, Carlos M. Herrera⁶, Chaz Hyseni¹¹, Erika C. Jorge²², Dariusz Kaczmarczyk²⁰, Emily Knott²³, Adam Kuester⁵, Ana P. S. Lima^{15,19}, Maíra A. Lima¹⁵, Marcos P. Lima²⁴, Ana Luiza B. Longo⁹, Grant Lor¹², Rodrigo Maggioni²⁵, Thiago S. Marques²⁶, Aline R. Martins²⁷, Daniele A. Matoso²⁸, Mónica Medrano⁶, M. A. C. Mendonça²⁹, Raeann Mettler³⁰, Priscila Roberta M. Nascimento³, V. Negri¹³, Karine K. C. Oliveira¹⁵, L. O. Oliveira²⁹, Irina Ovcarenko³¹, Maria N. Paula-Silva³, L. Raggi¹³, J. Sandoval-Castillo⁷, Carlos Henrique Dos Anjos Santos³, H. Martin Schaefer³⁰, Gernot Segelbacher³², Miyuki M. Seino⁶, Mark Siström¹¹, Matsepo M. Taole³³, P. R. Teske⁷, Anastasia Tsagkarakou³⁴, Luciano M. Verdade²⁶, Priscilla M. S. Villela⁹, C. C. Vinson²⁹, Brenda D. Wingfield³⁵ and Michael J. Wingfield³³

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 coccinea*, *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.;

					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
