

PERMANENT GENETIC RESOURCES NOTE**Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2010 – 30 September 2010**

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Abstract

This article documents the addition of 229 microsatellite marker loci to the Molecular Ecology Resources Database. Loci were developed for the following species: *Acacia auriculiformis* × *Acacia mangium* hybrid, *Alabama argillacea*, *Anoplopoma fimbria*, *Aplochiton zebra*, *Brevicoryne brassicae*, *Bruguiera gymnorhiza*, *Bucorvus leadbeateri*, *Delphacodes detecta*, *Tumidagena minuta*, *Dictyostelium giganteum*, *Echinogammarus berilloni*, *Epimedium sagittatum*, *Fraxinus excelsior*, *Labeo chrysophekadion*, *Oncorhynchus clarki lewisi*, *Paratrechina longicornis*, *Phaeocystis antarctica*, *Pinus roxburghii* and *Potamilus capax*. These loci were cross-tested on the following species: *Acacia peregrinalis*, *Acacia crassicarpa*, *Bruguiera cylindrica*, *Delphacodes detecta*, *Tumidagena minuta*, *Dictyostelium macrocephalum*, *Dictyostelium discoideum*, *Dictyostelium purpureum*, *Dictyostelium mucoroides*, *Dictyostelium rosarium*, *Polysphondylium pallidum*, *Epimedium brevicornum*, *Epimedium koreanum*, *Epimedium pubescens*, *Epimedium wushanense* and *Fraxinus angustifolia*.

This article documents the addition of 229 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 in 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>Acacia auriculiformis</i> × <i>Acacia mangium</i> hybrid	20	<i>Acacia peregrinalis</i> , <i>Acacia crassicarpa</i>	44734–44741, 44812–44823	HQ110862–HQ110881	Sukganah, A; Liew, W.Y.; Wickneswari, R.
<i>Alabama argillacea</i>	10	n/a	44502–44508, 44510–44512	GF102184–GF102193	Pavinato, V.A.C.; Bajay, M.M.; Martinelli, S.; Monteiro, M.; Pinheiro, J.B.; Zucchi, M.I.; Omoto, C.
<i>Anoplopoma fimbria</i>	13	n/a	44824–44836	GO616605.1, GO616986.1, GO617191.1, GO618107.1, GO618227.1, GO618807.1, GO618865.1, GO619216.1, GO620444.1, GO620529.1, GO629344.1, GO638529.1, GO646855.1	Messmer, Amber M.; Sanderson, Dan; Nelson, R. John; Koop, Ben F.
<i>Aplochiton zebra</i>	13	n/a	44587–44599	HM997136–HM997140, HM997142–HM997148, HQ003931	Vanhaecke, Delphine; Croxford, Adam; Allainguillaume, Joel; Garcia de Leaniz, Carlos; Consuegra, Sofia

Table 1 Continued

Species	No. primers developed	Other species tested	MER database no.	GenBank accession no.	Authors
<i>Brevicoryne brassicae</i>	9	n/a	44548–44556	FN820283–FN820291	Esselink, GD; den Belder, E; Elderson, J; Smulders, MJM
<i>Bruguiera gymnorrhiza</i>	14	<i>B. cylindrica</i>	44644–44654, 44656–44658	AB571659–AB571669, AB571671–AB571673	Takayama, Koji; Tamura, Mariko; Ono, Junya; Tateishi, Yoichi; Kajita, Tadashi
<i>Bucorvus leadbeateri</i>	12	n/a	44565–44567, 44569–44577	HM590197–HM590203, HM590206–HM590210	Dalton, Desiré L; Kotzé, Antoinette
<i>Delphacodes detecta</i> , <i>Tumidagena minuta</i>	10, 7	<i>Delphacodes detecta</i> , <i>Tumidagena minuta</i>	44673–44693	HM626384–HM626400	Sheridan, C. K.; Douglas, M. R.; Power, L. D.; Wimp, G. M.; Hamilton, M. B.
<i>Dictyostelium giganteum</i>	12	<i>Dictyostelium macrocephalum</i> , <i>Dictyostelium discoideum</i> , <i>Dictyostelium purpureum</i> , <i>Dictyostelium mucoroides</i> , <i>Dictyostelium rosarium</i> , <i>Polysphondylium pallidum</i>	44709, 44710, 44712–44721	GU904555, GU904556, GU904559, GU904560, GU904562–GU904565, GU904567–GU904569, GU904573	Sathe, Santosh; Lalremruata, Albert; Aggarwal, Ramesh K.
<i>Echinogammarus berilloni</i>	11	n/a	44600–44610	HQ185684–HQ185694	Drees, Michael; Reusch, Thorsten B. H.; Meyer, Elisabeth I.
<i>Epimedium sagittatum</i>	8	<i>Epimedium brevicornum</i> , <i>Epimedium koreanum</i> , <i>Epimedium pubescens</i> , <i>Epimedium wushanense</i>	44557–44564	HM623765–HM623772	Li, Chunhong; Guo, Baoling; Hong, Yan
<i>Fraxinus excelsior</i>	15	<i>Fraxinus angustifolia</i>	44694–44708	FR635387, FR636736, FR637753, FR638723, FR639294, FR639485, FR639792, FR640915, FR642190, FR644535, FR644953, FR645030, FR645771, FR645842, FR646655	Sannier, J.; Bertolino, P.; Frascaria-Lacoste, N.; Fernández-Manjarrés, J. F.
<i>Labeo chrysophekadion</i>	9	n/a	44578–44586	HM641012–HM641020, AJ291680, AJ507524	Nguyen, Thuy T. T.
<i>Oncorhynchus clarki lewisi</i>	12	n/a	44536–44547	HM153812–HM153823	Vu, Ninh V.; Kalinowski, Steven T.
<i>Paratrechina longicornis</i>	15	n/a	44611–44625	HM210893–HM210895, HM210900, HM210909, HM210910, HM210912, HM210913, HM210915–HM210917, HM210919–HM210921, HM210929, HM210934, HM210935, HM210937, HM357722	Matthews, Emily A.; Percy, Morgan; Witte, Volker; Keller, Laurent; Goodisman, Michael A. D.
<i>Phaeocystis antarctica</i>	8	n/a	44636–44643	HQ132752–HQ135759	Gäbler-Schwarz, Steffi; Leese, Florian; Hayes, Paul K.; Medlin, Linda K.

Table 1 Continued

Species	No. primers developed	Other species tested	MER database no.	GenBank accession no.	Authors
<i>Pinus roxburghii</i>	19	n/a	44793–44811	See text for details.	Chauhan, Priti; Ginwal, H.S.; Rawat, Anita; Barthwal, Santan
<i>Potamilus capax</i>	12	n/a	44661–44672	HM991151, HM991153–HM991163	Díaz-Ferguson, E.; Williams, A.S.; Moyer, G.R.