

PERMANENT GENETIC RESOURCES NOTE

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Abstract

This article documents the addition of 277 microsatellite marker loci to the Molecular Ecology Resources Database. Loci were developed for the following species: *Ascochyta rabiei*, *Cambarellus chapalonus*, *Chionodraco hamatus*, *Coptis omeiensis*, *Cynoscion nebulosus*, *Daphnia magna*, *Gerbillus nigeriae*, *Isurus oxyrinchus*, *Lates calcarifer*, *Metacarcinus magister*, *Oplegnathus fasciatus*, *Pachycondyla veranae*, *Phaethon lepturus*, *Pimelodus grosskopfii*, *Rotylenchulus reniformis*, *Scomberomorus niphonius*, *Sepia esculenta*, *Terapon jarbua*, *Teratosphaeria cryptica* and *Thunnus obesus*. These loci were cross-tested on the following species: *Austropotamobius italicus*, *Cambarellus montezumae*, *Cambarellus puer*, *Cambarellus shufeldtii*, *Cambarellus texanus*, *Chionodraco myersi*, *Chionodraco rastrorpinosus*, *Coptis chinensis*, *Coptis chinensis* var. *brevisepala*, *Coptis deltoidea*, *Coptis teeta*, *Orconectes virilis*, *Pacifastacus leniusculus*, *Pimelodus bochii*, *Procamburus clarkii*, *Pseudopimelodus bufonius*, *Rhamdia quelen*, *Sepia andreana*, *Sepiella maindroni*, *Thunnus alalunga*, *Thunnus albacares*, *Thunnus maccoyii*, *Thunnus orientalis*, *Thunnus thynnus* and *Thunnus tonggol*.

This article documents the addition of 277 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>Ascochyta rabiei</i>	15	n/a	45147–45161	HQ328558, HQ328560–HQ328573	Leo, Audrey E.; Ford, Rebecca; Linde, Celeste C.; Shah, Ramisah M.; Oliver, Richard; Taylor, Paul W. J.; Lichtenzweig, Judith
<i>Cambarellus chapalonus</i>	9	<i>Cs. montezumae</i> , <i>Cs. shufeldtii</i> , <i>Cs. puer</i> , <i>Cs. texanus</i> , <i>Procamburus clarkii</i> , <i>Orconectes virilis</i> , <i>Pacifastacus leniusculus</i> , <i>Austropotamobius italicus</i>	44925, 44926, 44947–44953	HQ529264–HQ529272	Pedraza-Lara, Carlos; Ornelas-García, Claudia Patricia; Doadrio, Ignacio

Table 1 Continued

Species	No. primers developed	Other species tested	MER database no.	GenBank accession no.	Authors
<i>Chionodraco hamatus</i>	11	<i>C. myersi</i> , <i>C. rastrospinosus</i>	44847–44857	HQ395761–HQ395771	Marino, Ilaria A. M.; Agostini, Cecilia; Papetti, Chiara; Bisol, Paolo Maria; Zane, Lorenzo; Patarnello, Tomaso
<i>Coptis omeiensis</i>	11	<i>C. deltoidea</i> , <i>C. chinensis</i> , <i>C. chinensis</i> var. <i>brevise-pala</i> , <i>C. tecta</i>	44858–44868	GU350459–GU350465, GU350467–GU350470	Hu, Juan; Shao, Aijuan; Song, Liangke; Yuan, Qingjun; Huang, Luqi
<i>Cynoscion nebulosus</i>	12	n/a	44890–44901	HQ540634–HQ540645	Piller, Kyle R.; Cordes, Lisa
<i>Daphnia magna</i>	14	n/a	44967, 44969– 44981	HQ234154, HQ234155, HQ234160, HQ234168, HQ234170, HQ234172– HQ234174, HQ234178, HQ234181, HQ234190, HQ234193, HQ234200, HQ234205	Jansen, B.; Geldof, S.; De Meester, L.; Orsini, L.
<i>Gerbillus nigeriae</i>	12	n/a	45006–45017	HM469952–HM469963	Thiam, M.; Hima, K.; Gauthier, P.; Tatar, C.; Duplantier, J. M.; Dobigny, G.; Granjon, L.; Dalecky, A.; Bâ, K.; Sembene, M.; Brouat, C.
<i>Isurus oxyrinchus</i>	8	n/a	45053–45060	AB587293–AB587300	Semba, Y.; Nohara, K.
<i>Lates calcarifer</i>	39	n/a	45071–45109	CX790298, CX791413, CX791514, CX791569, CX791662, CX791780, CX792342, CX792377, CX792405, CX792465, CX792515, CX792820, CX792969, CX793058, CX793140, EX465458, EX465602, EX465732, EX465944, EX466220, EX466320, EX466867, EX467054, EX467257, EX467324, EX467501, EX467577, EX468421, EX469333, EX469817, EX469842, EX469994, EX470087, EX470132, EX470140, EX470394, EX470598, EX470678, EX470681	Zulaiha, A. R.; Lai, Choay-Hoong; Roziana, M. K.; Shahril, A. R.; Othman, A. S.
<i>Metacarcinus magister</i>	10	n/a	44880–44889	FG309694.1, FG309725.1, FG310017.1, FG310114.1, FG310176.1, FG310404.1, FG310502.1, FG310537.1, FG310609.1	McKeown, Niall J.; Shaw, Paul W.
<i>Oplegnathus fasciatus</i>	17	n/a	45018–45034	HQ130411–HQ130419, HQ130421–HQ130423, HQ130425–HQ130429	Kim, Jong-Oh; Jung, Sung-Ju; Lee, Jehee; Kim, Cheol-Hee; Yang, Byung-Gyoo; Kim, Bong-Seok; Oh, Myung-Joo

Table 1 Continued

Species	No. primers developed	Other species tested	MER database no.	GenBank accession no.	Authors
<i>Pachycondyla verena</i>	8	n/a	44996, 44999–45005	HQ263030–HQ263037	Evison, Sophie E. F.; Souza Ferreira, Ronara; Fresneau, Dominique; Poteaux, Chantal
<i>Phaethon lepturus</i>	11	n/a	44869–44879	HM638063–HM638073	Humeau, L.; Da Silva, D.; Guérin, F.; Jaquemet, S.; Requier, J.-B.; Le Corre, M.
<i>Pimelodus grosskopfii</i>	10	<i>Pseudopimelodus bufonius</i> , <i>Rhamdia quelen</i> , <i>P. bochii</i>	45121–45130	HQ148176–HQ148185	Hernandez Escobar, Carlos; Carrillo Avila, Mauricio; Ostos Alfonso, Henry; Valbuena, Ruben; Olivera Angel, Martha; Galetti Jr., Pedro M.
<i>Rotylenchulus reniformis</i>	10	n/a	44837–44846	HQ158013, HQ158015–HQ158021, GU471236, GU471239	Leach, M. M.; Agudelo, P. A.; Lawton-Rauh, A.
<i>Scomberomorus niphonius</i>	22	n/a	44903–44924	HQ317466–HQ317487	Lin, Lin; Zhu, Ling; Liu, Shu-Fang; Su, Yong-Quan; Zhuang, Zhi-Meng
<i>Sepia esculenta</i>	20	<i>S. andreana</i> , <i>Sepiella maindroni</i>	44927–44946	HQ015717–HQ015736	Wang, He; Lin, Lin; Liu, Shu-Fang; Jiang, Zhi-Qiang; Zhuang, Zhi-Meng
<i>Terapon jarbua</i>	10	n/a	45061–45070	FR719958–FR719967	Lavergne, E.; Calves, I.; Zajonz, U.; Laroche, J.
<i>Teratosphaeria cryptica</i>	11	n/a	45110–45120	GU250785–GU250795	Taylor, Katherine M.; Barber, Paul A.; Hardy, Giles E. StJ.; Burgess, Treena I.
<i>Thunnus obesus</i>	17	<i>T. albacares</i> , <i>T. alalunga</i> , <i>T. tonggol</i> , <i>T. maccoyii</i> , <i>T. orientalis</i> , <i>T. thynnus</i>	45036–45052	AB557493–AB557509	Nohara, K.; Suzuki, N.; Chow, S.; Semba, Y.; Okamoto, H.