

Supporting information

S1 Table Information on the eight microsatellite loci used in the present study and the PCR conditions (*CL168* and *CL1014* [Vogiatzi et al. 2011]; *Ds33* and *Dxd16* [De la Herran et al. 2005]; *SaGT41b* [Batargias et al 1999]; *SaI19* [Brown et al. 2005]; *SauE82INRA* and *SauI41INRA* [Launey et al 2003])

Locus	Structure	Ann. t°	MgCl ₂	Original species
<i>CL168</i>	(CTA) ₉	58	1.5	<i>Sparus aurata</i>
<i>CL1014</i>	(CA) ₁₆	58	1.5	<i>Sparus aurata</i>
<i>Ds33</i>	(GT) ₁₇ C(GT) ₂	56	1.5	<i>Diplodus sargus</i>
<i>Dxd16</i>	(GT) ₁₅ (GA) ₁₈	56	2	<i>Dentex dentex</i>
<i>SaGT41b</i>	(AC) ₁₃	56	1.5	<i>Sparus aurata</i>
<i>SaI19</i>	(GT) ₂₅	56	1.5	<i>Sparus aurata</i>
<i>SauE82INRA</i>	(CA) ₁₂ AA(CA) ₇	56	1.5	<i>Sparus aurata</i>
<i>SauI41INRA</i>	(CA) ₉ CG(CA) ₄ CG(CA) ₁₃	56	1.5	<i>Sparus aurata</i>

Vogiatzi E, Lagnel J, Pakaki V, Louro B, Canario AVM, Reinhardt R, et al. In silico mining and characterization of simple sequence repeats from gilthead sea bream (*Sparus aurata*) expressed sequence tags (EST-SSRs); PCR amplification, polymorphism evaluation and multiplexing and cross-species assays. *Marine Genomics* 2011; 4(2): 83-91.

De la Herrán R, Magoulas A, Garrido-Ramos MA, Ruiz-Rejón C, Ruiz-Rejón M, Zouros E. Desarrollo de microsatélites en tres especies de espáridos con interés en acuicultura. In: *La acuicultura como actividad económica de las zonas costeras. IX Congreso Nacional de Acuicultura*. Ed. Consejería de Agricultura y Pesca. Junta de Andalucía. Sevilla. Spain, 2005. pp133-136.

Batargias C, Dermitzakis E, Magoulas A, Zouros E. Characterization of six polymorphic microsatellite markers in gilthead seabream, *Sparus aurata* (Linnaeus 1758). *Molecular Ecology* 1999; 8: 897-8.

Brown RC, Tsalavouta M, Terzoglou V, Magoulas A, Mcandrew BJ. Additional microsatellites for *Sparus aurata* and cross-species amplification within the Sparidae family. *Molecular Ecology Notes* 2005; 5(3): 605-7.

Launey S, Krieg F, Haffray P, Bruant JS, Vannier A, Guyomard R. Twelve new microsatellite markers for gilted seabream (*Sparus aurata* L.): characterization, polymorphism and linkage. *Molecular Ecology Notes* 2003; 3(3): 457-9.

