

Electronic supplementary material: Supplementary Table 4

Title: Genetic dissection of growth, wood basic density and gene expression in interspecific backcrosses of *Eucalyptus grandis* and *E. urophylla*

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Supplementary Table 4. QTL studies reported for DBH and wood density in *Eucalyptus*

Cross	Number of progeny	Marker used	Trait name	Number of QTLs identified	Percentage of variation explained by the QTLs	Reference
<i>E. grandis</i> x <i>E. urophylla</i>	1085	RAPD	Volume growth Wood density	3 5	3.9 to 6.6 % 3.4 to 10.2 %	Grattapaglia et al. 1996
<i>E. urophylla</i> x <i>E. grandis</i>	201	RAPD	Tree diameter Wood density	3 1 to 4	5.1 to 14% 5.1 to 11.0 %	Verhaegen et al. 1997
<i>E. globulus</i> x <i>E. globulus</i>	117	RAPD and microsatellites	Cumulative growth Wood density	1 2	8.0 to 17.9	Bundock et al. 2008
<i>E. globulus</i> x <i>E. globulus</i>	135-148	RFLP and microsatellites	Wood density	4	3.2 to 15.8%	Thamarus et al. 2004
<i>E. globulus</i> x <i>E. globulus</i>	112	AFLP and microsatellites	Tree diameter Wood density	2 3	3.8 to 5.2 % 7.2 to 10.4 %	Freeman et al. 2009
<i>E. nitens</i> x <i>E. nitens</i>	327	RFLP and microsatellites	Tree diameter Wood density	1 to 3 5	3.3 to 7. 2% 2.8 to 6.9 %	Thumma et al. 2010
<i>E. urophylla</i> x <i>E. grandis</i>	201	RAPD, SSCP and microsatellites	Tree diameter Wood density	1 to 3 2 to 4	5.1 to 11.9% 4.4 to 25.4%	Gion et al. 2011