

Information on primers in 15 nuclear simple sequence repeats(nSSR) loci

Locus	Ta(°C)	Motif	Primer Sequence (5'-3')	Allele size (bp)	Reference
QrZAG30	56	GA	TGCTCCGTCATAATCTTGCTCTGA GCAATCCTATCATGCACATGCACAT	160-208	Kampfer <i>et al.</i> 1998
PIE271	56	AG	CACACTCACCAACCCTACCC GTGCGGTTGTAGACGGAGAT	197-247	Durand <i>et al.</i> 2010
QpZAG9	56	TG	GCAATTACAGGCTAGGCTGG GTCTGGACCTAGCCCTCATG	220-274	Steinkellner <i>et al.</i> 1997
QrZAG112	56	GA	TTCTTGCTTTGGTGC GCG GTGGTCAGAG ACTCGGTAAGTATTC	98-116	Kampfer <i>et al.</i> 1998
GOT011	56	GA	CCCCACCGTCTACTCTCAAA GCGTTCACCACGTCCATAAT	197-225	Durand <i>et al.</i> 2010
GOT012	56	GT	TGATGATCCCAAACCACAAA AAGGCTGCAGGACTTTTCAA	204-254	Durand <i>et al.</i> 2010
GOT021	56	AT	AGAAAGTTCCAGGGAAAGCA CTTCGTCCCCAGTTGAATGT	110-150	Durand <i>et al.</i> 2010
GOT040	56	TC	AAGGCACTCGTCGCTTTCTA ACCGATTTGAAGCTCGAGAA	242-298	Durand <i>et al.</i> 2010
PIE163	56	TC	GAGAGGCATGTGGAACCAAG CAAGCATAGGTGGTGGAAACC	230-264	Durand <i>et al.</i> 2010
FIR026	56	GT/GA	CTTCATGCACCAATTCCTCA GGCCATGTATGTGTGCAAAA	201-215	Durand <i>et al.</i> 2010
POR025	56	AG	CACACAAACCCATATGATCTGAA TCTCTTTCGATCCCTTCTGC	105-145	Durand <i>et al.</i> 2010
FIR015	56	GT	ACCCTAAAACCCCAATCACC CGGATCTTCGGCTATTCTTG	112-148	Durand <i>et al.</i> 2010
QpZAG16	56	TC	CTTCACTGGCTTTTCCTCCT TGAAGCCCTTGTC AACATGC	131-189	Steinkellner <i>et al.</i> 1997
QpZAG110	56	AG	GGAGGCTTCCTTCAACCTACT GATCTCTTGTGTGCTGTATTT	193-267	Steinkellner <i>et al.</i> 1997
QmC02241	56	GA/TC	TCAGTGACCACACGTACCTCTC GTTTCTTGCCATGTTTTGATGG	169-211	Ueno <i>et al.</i> 2008

Cited references:

- Durand, J., Bodénès, C., Chancerel, E., Frigerio, J. M., Vendramin, G., Sebastiani, F., ... Alberto, F., Dumoulin, P., Guichoux, E., Daruvar, A., Kremer, A., & Plomion, C. (2010). A fast and cost-effective approach to develop and map EST-SSR markers: oak as a case study. *BMC Genomics*, 11, 570. <https://doi.org/10.1186/1471-2164-11-570>
- Steinkellner, H., Fluch, S., Turetschek, E., Lexer, C., Streiff, R., Kremer, A., Burg, K., & Glössl, J. (1997). Identification and characterization of (GA/CT) microsatellite loci from *Quercus petraea*. 33(6), 1093-1096. <http://doi.org/10.1023/a:1005736722794>
- Kampfer, S., Lexer, C., Glössl, J., & Steinkellner, H. (1998). Brief report characterization of (GA)n

microsatellite loci from *Quercus robur*. *Hereditas*, 129(183), 1-86.
<https://doi.org/10.1111/j.1601-5223.1998.00183.x>

Ueno, S., Taguchi, Y., Tsumura, Y. (2008). Microsatellite markers derived from *Quercus mongolica* var. *crispula* (Fagaceae) inner bark expressed sequence tags. *Genes & Genetic Systems*, 83(2), 179-87. <http://doi.org/10.1266/ggs.83.179>