Additional file 4 Summary results of one-way ANOVAs to determine the significant differences on soil nitrogen concentration in 0-20 cm for three taxa. (superscript a, $P<0.05$; b, $P<0.01$; c, $P<0.001$; PN, *P. nigra*; PJ, *P.* × *jrtyschensis*; PL, *P. laurifolia*)

Group	PJ 1	PJ 2	PJ 3	PN 1	PN 2	PN 3	PL 1	PL 2	PL 3
PJ 1	1	0.000[c]	0.004[c]	0.017[b]	0.000[c]	0.016[b]	0.000[c]	0.000[c]	0.000[c]
PJ 2		1	0.000[c]	0.000[c]	0.000[c]	0.000[c]	0.001[b]	0.000[c]	0.000[c]
PJ 3			1	0.299	0.118	0.319	0.003[b]	0.008[b]	0.000[c]
PN 1				1	0.008[b]	0.960	0.000[a]	0.000[c]	0.000[c]
PN 2					1	0.009[b]	0.057	0.143	0.000[c]
PN 3						1	0.000[c]	0.000[c]	0.000[c]
PL 1							1	0.613	0.000[c]
PL 2								1	0.000[c]
PL 3									1