

**Table S7** Consistency between significant SNPs and QTLs for poplar tree height identified in the current and previous studies.

Chr	Current Study			Liu <i>et al.</i> (2017)		Du <i>et al.</i> (2016)		Monclus <i>et al.</i> (2012)		Description of Candidate Genes
	SNP ID	Position (Mb)	$-\log_{10}(p\text{-value})$	QTL ID	Position (Mb)	QTL ID	Position (Mb)	QTL ID	Position (Mb)	
1	DSC01H1	17.02	7.42			QTL <sub>H</sub> -1	18.37-21.00			response to gibberellin, auxin, or cytokinin; invloved in photosynthesis; leaf morphogenesis; embryogenesis abundant protein; xylem histogenesis; response to salt or heat stress; water channel activity
1	DSC01H3	43.10	8.52	Q2D1	31.30			Height1-1	23.12-45.23	response to brassinosteroid; photosynthesis; late embryogenesis abundant protein-related; maintenance of seed dormancy; probable disease resistance protein
				Q3D1	35.01					
4	DSC04H1	4.42	8.04					Height2-3	4.35-14.30	response to brassinosteroid or auxin; positive regulation of long-day photoperiodism, flowering; photosynthesis; leaf morphogenesis; embryo development; root hair cell differentiation; response to salt stress, to heat or to water deprivation; cold acclimation
5	DSC05H1	0.34	8.18	QD5	2.24					regulation of root development; disease resistance protein RPM1-like; response to salt stress or cold
5	DSC05H2	14.69	8.15					Height1-2	7.11-25.8	auxin-activated signaling pathway; photosynthetic electron transport in photosystem II; shoot system development; seed trichome elongation; negative regulation of response to salt stress; response to heat
	DSC05H3	14.81	7.12							
6	DSC06H3	13.58	7.17					Height2-4	8.45-20.35	brassinosteroid metabolic process; cytokinin dehydrogenase activity; photosystem II; embryonic shoot morphogenesis; defense response to bacterium; cellular response to salt stress; heat shock factor protein; auxin-responsive protein; photorespiration; late embryogenesis abundant protein
6	DSC06H4	16.20	8.38							
7	DSC07H3	10.26	6.45	QS7	15.28					response to gibberellin or brassinosteroid; phototropism; leaf, flower, root and embryo growth or development; response to salt or heat stress, or to water deprivation
9	DSC09H1	11.90	6.57	QD9	8.18					cytokinin-activated signaling pathway; phototropism; late embryogenesis abundant protein-related protein; seed dormancy process; involved in seed or root development; response to salt stress or to heat
				QS9	7.87					

10	DSC10H1	4.83	9.79			Height2-1	3.39-14.17	auxin metabolic process; cytokinin-activated signaling pathway; photosystem II; glutamine synthetase leaf isozyme; embryo development ending in seed dormancy; heat-inducible transcription repressor
10	DSC10H2	8.08	7.53			Height1-3	4.87-12.49	response to brassinosteroid; gibberellin 2-beta-dioxygenase 8-like; 2S sulfur-rich seed storage protein 2-like; 2S sulfur-rich seed storage protein 2-like; disease resistance RPP13-like protein 4; 21.7 kDa class VI heat shock protein
13	DSC13H1	4.73	7.62	QTL <sub>H</sub> -3	4.60-5.90	Height2-6	0.57-4.90	response to gibberellin; response to auxin; photosynthetic NDH subunit of subcomplex B 2; cold-shock protein CS120 isoform X1
14	DSC14H1	14.72	7.27			Height1-5	2.70-9.25	brassinosteroid biosynthetic process; brassinosteroid mediated signaling pathway; embryo development ending in seed dormancy
16	DSC16H1	9.86	6.45			Height2-2	0.00-5.02	response to auxin; photosynthesis; leaf development; embryo development ending in seed dormancy; disease resistance RPP13-like protein 4; water channel activity