

## Supplementary data

Sequence variability and expression pattern of the dehydrin gene family in *Populus tremula* × *Populus alba* var. *glandulosa*Eui Cheol Kim<sup>1</sup>, Hyo Shin Lee<sup>2</sup>, Dong-Woog Choi<sup>1,\*</sup>Supplementary Table 1. Identification of the *PoDhn* genes from *P. tremula* × *P. alba* var. *glandulosa*

ID	Accession number	Organism	Primer	Comment
1	XM002319677	<i>Populus trichocarpa</i>	5'-AGAAATACACAATGGCAGGAA-3' 5'-GAAGCAGTGCAAGATTTTTAGTCGC-3'	PoDhn3
2	XM002300629	<i>Populus trichocarpa</i>	5'-TTATATTTTCTTGCTTAAGTTCGGA-3' 5'-AACATGCTTTTCTTTCGCCTTG-3'	Podhn7
3	XM002319678	<i>Populus trichocarpa</i>	5'-AAAGAAATACACAATGGCAGGAATC-3' 5'-CAAAATATTGAACAGTACAGCTTTT-3'	PoDhn9
4	AC217585	<i>Populus trichocarpa</i>	5'-TGAGGTTTCATATCAAAAATCATTTC-3' 5'-GACTCCATCACGCCGCTCA-3'	no DHN
5	XM002309706	<i>Populus trichocarpa</i>	5'-CATGGGCAAAAATCAAGCTTACA-3' 5'-TTAGTTCTTCAAGCTTCAAAAAAAT-3'	cloning failed
6	XM002334420	<i>Populus trichocarpa</i>	5'-GTTTGTGGCCAGATGAAGGAC-3' 5'-TTTTTCTAGTGATAATCTGCAAC-3'	no PCR
7	CF234730	<i>Populus tremula</i> × <i>Populus alba</i>	5'-GTGATTCTGATCAGTATGGCTGA-3' 5'-AATAATACTGCCGCTGCCCTAC-3'	PoDhn1
8	CK105465	<i>Populus tremula</i>	5'-TGATTAAGTTCGGATTGTGAAT-3' 5'-TTTCTCTCACTGGCTTCCTCATATT-3'	PoDhn2
9	BU866010	<i>Populus tremula</i>	5'-TTTTTTGGTTAGAAATGATAGCTGC-3' 5'-ATGCAGGCTGCTTTAATGATGG-3'	PoDhn5
10	DN498615	<i>Populus tremula</i>	5'-TCACTGTTGCTAAAAAAGATGGCTG-3' 5'-GCAACTTCTCTTTGATTTTTTCCAT-3'	PoDhn6
11	BU819860	<i>Populus tremula</i>	5'-ACACTCTGAACACTGGAGGCAAG-3' 5'-TGGTCCCCAAACCCACGCTC-3'	PoDhn8
12	BU819528	<i>Populus tremula</i>	5'-TATCGAAAACCATTTCAAAGAGAG-3' 5'-GTCGCTGTCGCTGCTGCTATGG-3'	PoDhn10
13	BU890037	<i>Populus tremula</i>	5'-TTACAAACGCAAATCACCTGACACA-3' 5'-TTTCTTAAATGTTGGTATTCTCTCC-3'	contig with ID3
14	DN496759	<i>Populus tremula</i>	5'-GCCAAGGGCATGATACCAGC-3' 5'-AACAAAACACAGGAAATGATCCTGA-3'	contig with ID7
15	DN496665	<i>Populus tremula</i>	5'-TTCTCAAAATGGGTA AAAATCAAGC-3' 5'-AAAGAATTTAGAAAGTGGCACAGG-3'	no DHN
16	CK105675	<i>Populus tremula</i>	5'-ACAATGGCAGGAATCATGCATAAGA-3' 5'-CCACCACCTCCCGTGTACTCTT-3'	no PCR
17	CK111022†	<i>Populus tremula</i>	5'-AGACCCGATTACATAACGGCAAGAT-3' 5'-TCAGTTTTCTTATACGCGGGCATCA-3'	no PCR
18	BU826720	<i>Populus tremula</i> × <i>Populus tremuloides</i>	5'-GAAAGAAATACACAATGGCAGGAAT-3' 5'-TTTAGTCGCTGCTCACTGCTGCTAT-3'	contig with ID3
19	BU885263	<i>Populus tremula</i> × <i>Populus tremuloides</i>	5'-CGCAGAGTGCCATTACGGC-3' 5'-CTAATATCATTITGGATTACTCCA-3'	no PCR