

Supplementary Table 1 Primer sequences used for isolation of *PaHAP3a* and *PsHAP3a* (5' to 3' orientation)

Gene	Primer name	Forward primer	Reverse primer	Accession # for primer design
<i>PaHAP3A</i>	<i>PgLEC1-2</i>	GCTTCTCCTTCTCCTTCTCC	AACCCTAGAAAAAGAAAATCGTG	DR553864.1, DR548381.1
	<i>PgLEC1-3</i>	CCAGTTGGCTTCTTTATACCC	GAAAATCGTGCCACCAGTC	DR553864.1, DR548381.1
<i>PsHAP3A</i>	<i>LEC-1 FW1, LEC-1 RV-2010</i>	AGCTCGATCTTCGGTCTTCA	TCAGATGGGTCATCCTCCTC	DT627043, AW754604
<i>PaHAP3B</i>	<i>PtLL1</i>	AGCAAGCACAGTCAACCGGTAAGC	ATGGCCCATAAAACATCCTCGGCA	AW981720
<i>PsHAP3B</i>	<i>PtLL1</i>	AGCAAGCACAGTCAACCGGTAAGC	ATGGCCCATAAAACATCCTCGGCA	AW981720
<i>PsVP1</i>	<i>VP-1 FW-1 abies, VP-1 RW-3 taeda</i>	TTCTGCAGCCCCAGCCACAT	ACACCCTTGCAGCATCTTCT	<i>PaVP1</i> , DT628429.1