

Table S1. Specific primers for each gene.

	Gene	ID <i>Pinus pinaster</i>	Sequence (5'–3')	
			FORWARD PRIMER	Reverse Primer
Absciscic acid	<i>NCED3</i>	PPI00015334	GAAATGATCAGAGGCGGTTC	GAGGCATATTTGGGCAGAAG
	<i>ABCG</i>	PPI00033391	GTTACACCTGCTACCACCCC	GGAGTTGGCGGATGGAAAGA
	<i>NRT1.2</i>	PPI00013776	TGGGCATAGGGTTGGTTATG	CGAATGGTGTGTAGCAATGG
	<i>SNRK2.4</i>	PPI00050983	CACACCCAAGACTCTGACCC	TAGAACTCCTCCTCTGGCCC
	<i>ABI1</i>	PPI00056219	TGGAGATATGGGCCCAAGGA	CTTGGCACCAGTGGAGGTAG
Auxins	<i>PIN1</i>	PPI00011546	ACACTTATTCCAGCGCCTTG	ACCAGCTTCGGCATTGTAAC
	<i>PP2A</i>	PPI00008039	AGACATTCATGGGCAGTTCC	AATTGGTGTGTCAGGAGCCTTG
	<i>ABP1</i>	PPI00009705	AGGATCCGCACATTGGATAC	AAGGCCCAACACAAGTGAAC
	<i>TIR1</i>	PPI00012072	TAAGCGCTGTATGCATGAGG	AGGAATGCCAATACGTGCTC
	<i>ARF7</i>	PPI00041807	CAGAAGGTGACTCAGCAGCA	TTGTGGTTGTGGCTGTGACT
	<i>AXR1</i>	PPI00013097	AAGGCAAAGTGTGTGTGTGC	GGATTGGTCTCAAGCAAAGC
Cytokinins	<i>AHK4</i>	PPI00064460	AGCAGCGTGGCCATTTATAG	AAACTGGTCCTGCAACATCC
	<i>AHP1</i>	PPI00050577	TTGCCTCTGTGGATGTTTCAG	TCATCCAGGAATCCCTCTTG
	<i>CRF2</i>	PPI00010365	TCAGCTATGCAGGAAACAGC	GTTGGGACCAGGCATAATTG
Strigolactones	<i>LBO</i>	PPI00010339	CTTTCGTGAACCCAAAGTGG	CATGTGAGTGGGCATGATTC
	<i>MAX1</i>	PPI00016810	CATTGGTGATCATCGCAGAC	AGATGGGATGCTCCTGTTTG
	<i>D14</i>	PPI00017643	GCCCTGTATGTTGCCAAAAC	AGCATGGAACCTTGACTTGC
	<i>MAX2</i>	PPI00014698	ACGGAAAAGCTCCACAGATG	GCTCCAAGTTTCTGCCATTC
Gibberellins	<i>GID1</i>	PPI00071627	TGGGCGAGATCAAGAGATTC	CACCGTTTCCTTCTTCTCG
	<i>GAI</i>	PPI00014310	CTTCGCTTGAAGTCCAATCC	ACACGGTAACGCTTTTGCTC
	<i>RGA</i>	PPI00011857	TTAGCCCATGTTGCACAGAG	TGAGATATTCCCGGGTCTTG
	<i>SLY1</i>	PPI00016475	ATCTGCAAACCACCCATCTC	TGCAAGAGATCCCAGAAACC
Sugars	<i>STP1</i>	PPI00012920	AGGGACGTCCAATGTTCAAG	TGAGGCCGATATTCCTCTG
	<i>SWEET17</i>	PPI00061954	GGCCTGAGTTTCAGTTTGG	ATGTCTTCACGGGTGAGATG
	<i>WRKY20</i>	PPI00011874	ATGGGGAACAAACAGTCTGC	TCACAAATGGCTAGCACAGG
Li gh	<i>PHYB</i>	PPI00062444	TTGCGGTTTACTCCTTCACC	AACCACCACCAAGCTGTTTC
Co nst .	<i>UBI</i>	AF461687	GTCCCGCACTGACAATCTCT	CTGAGTCCATGCTCTTGCTG

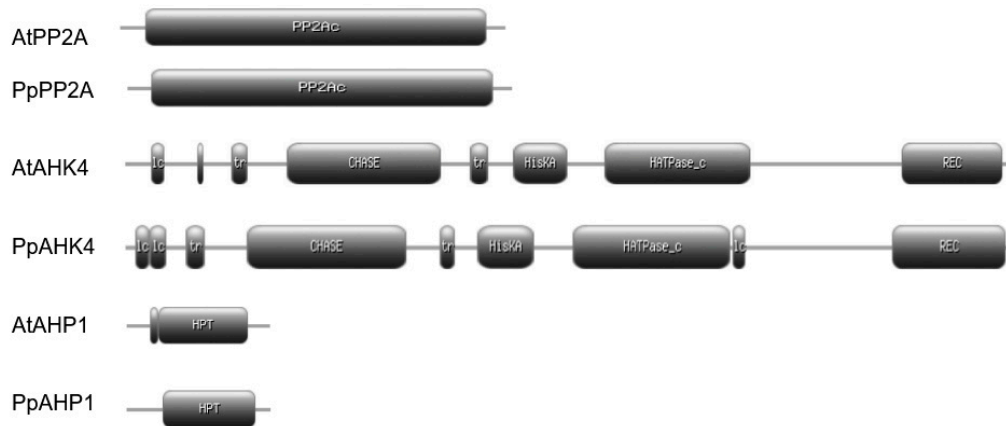
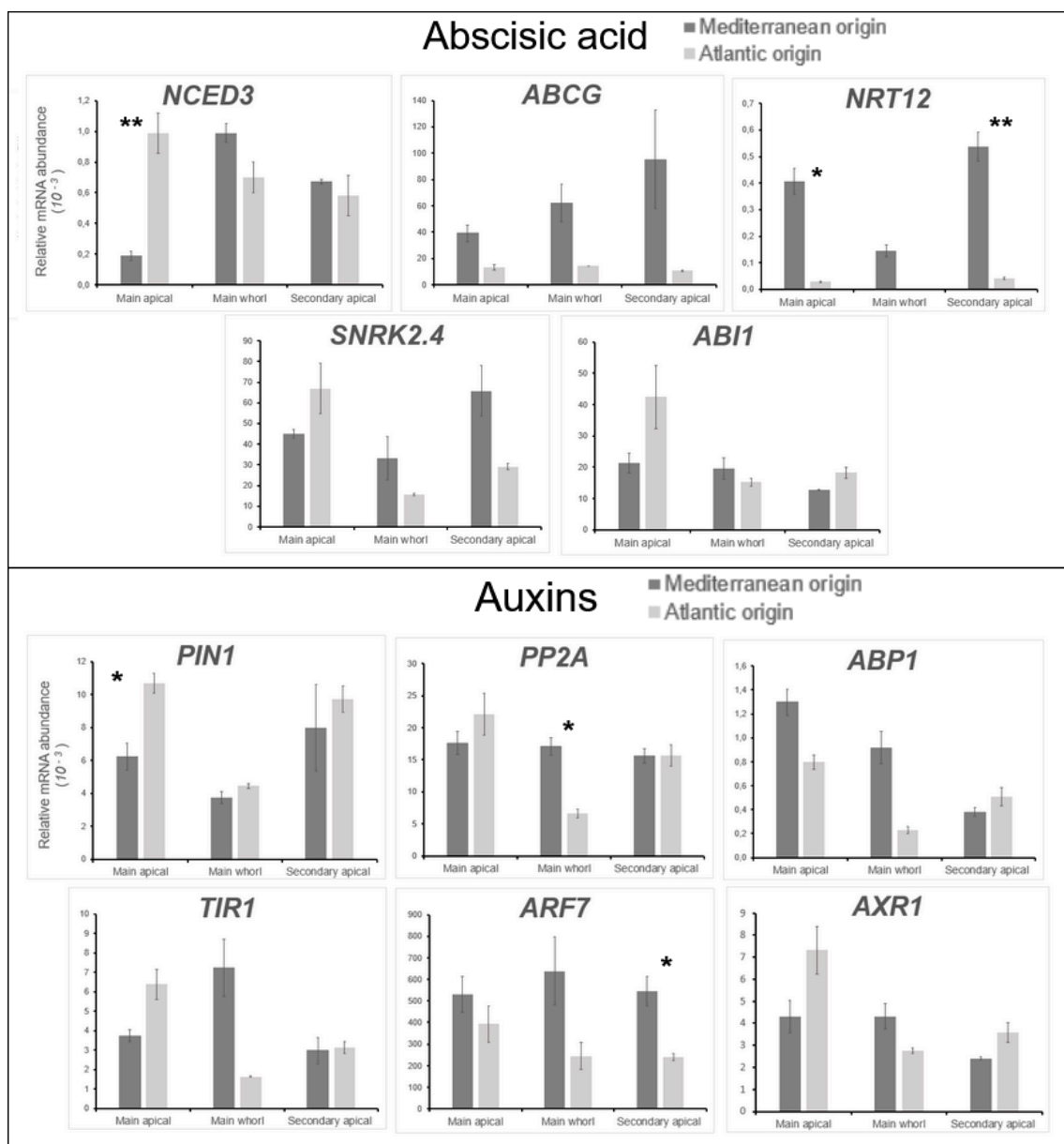
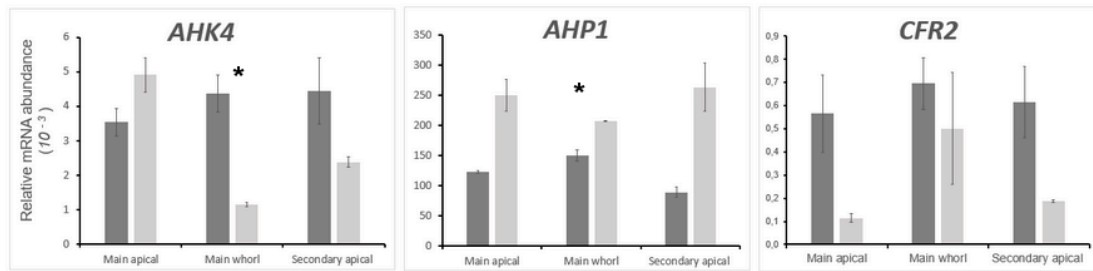


Figure S1. Representation of the functional domains of the proteins PP2A (related to auxins), AHK4, and AHP1 (related to cytokinins). In each comparative pair, the functional domains for *A. thaliana* (At) and *P. pinaster* (Pp) are shown. (Meaning of the acronym used in the representation: lc = low complexity, tr = transmembrane region).



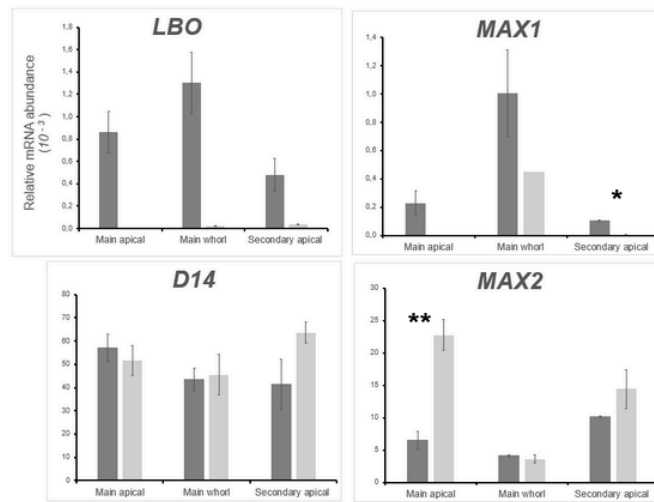
Cytokinins

■ Mediterranean origin
■ Atlantic origin



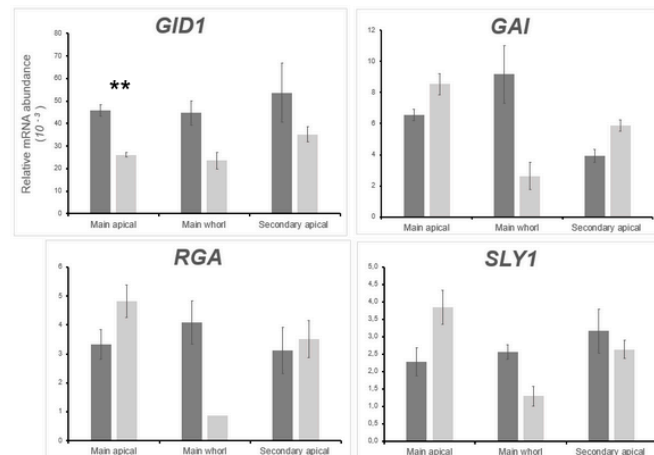
Strigolactones

■ Mediterranean origin
■ Atlantic origin



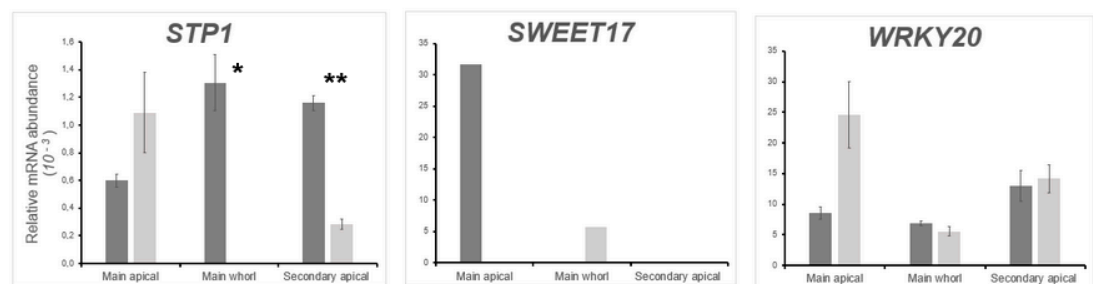
Gibberellins

■ Mediterranean origin
■ Atlantic origin



Sugars

■ Mediterranean origin
■ Atlantic origin



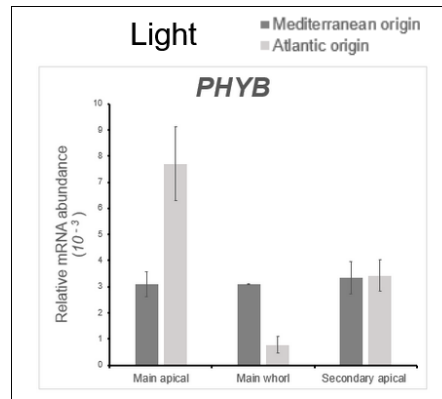


Figure S2. Relative gene expression analyzed by RT-qPCR in main apical buds, main whorls, and secondary apical buds for Atlantic and Mediterranean provenances classified according to the phytohormone or non-hormonal factor group. Two asterisks or one asterisk indicate significant differences in expression (based on a Student's *t*-test) with a confidence interval of 95% or 90%, respectively. (Data are represented as mean \pm standard error.)