

Table S2: Orthologous TPS genes shared among lavender and model plants.

TPS gene/product Name	L.ang	A.tha	A.lyr	S.lyc	O.sat	Z.may
<i>R</i> -Linalool synthase	2	1	1	1	0	0
<i>S</i> -Linalool synthase	2	1	1	3	2	2
Limonene synthase	0	0	0	0	0	0
1,8-Cineole synthase	15	5	3	6	0	0
Boronyl diphosphate synthase	0	0	0	0	0	0
Beta-phellandrene synthase	0	0	0	0	0	0
τ -cadinol synthase	0	0	0	0	0	0
Beta-caryophyllene synthase	6	1	1	4	1	0
Germacrene synthase	3	0	0	0	0	0
Trans-alpha bergamotene synthase	0	0	0	0	0	0
3-carene synthase	0	0	0	0	0	0
Borneol dehydrogenase	0	0	0	0	0	0
9-epi--caryophyllene synthase	0	0	0	0	0	0
Alcohol acetyl transferases 1	0	0	0	0	0	0
Alcohol acetyl transferases 2	3	0	0	0	0	0
Uncharacterized TPS genes						
Ent-copalyl diphosphate synthase	7	1	1	1	1	2
cis-abienol synthase	3	0	0	2	0	0
(+)-epi-alpha-bisabolol synthase	2	0	0	0	0	0
gamma-cadinene synthase	4	0	0	0	0	0
Solanesyl diphosphate synthase	2	2	2	1	1	2

L. ang : *Lavandula angustifolia*, **A. tha** : *Arabidopsis thaliana*, **A.lyr** : *Arabidopsis lyrata*, **S. lyc** : *Solanum lycopersicum*, **O. sat** : *Oryza sativa*, **Z. may** : *Zea mays*.