

**Table S6. Correlation between SLs-related gene expression levels and the parameters and SLs content of grapevine roots at 5 DAA.**

Code	Annotation	(±)-2'-epi-5-deoxystrigol	strigol	(±)-2'-epi-5-deoxystrigol and strigol	Root length	Root diameter	Lateral root length	Lateral root density	Fine root number	Fine root density
1	<i>VvD27</i>	0.557	0.987	0.771	0.881	0.217	0.459	-0.298	0.108	-0.193
2	<i>VvMAX2</i>	0.786	0.932	0.339	0.999*	-0.31	0.847	-0.742	0.599	0.333
3	<i>VvCCD8</i>	0.986	-0.962	0.426	-0.852	0.22	-0.794	0.676	-0.522	-0.244
4	<i>VvCCD7</i>	0.986	0.976	0.56	-0.979	0.272	0.408	-0.243	0.052	-0.249
5	<i>VvMAX1</i>	0.921	0.848	0.03	-0.937	-0.481	0.931	-0.854	0.737	0.502
6	<i>VvDAD2</i>	0.158	0.634	1*	-0.2	0.807	-0.242	0.407	-0.575	-0.793
7	<i>VvSMAX1</i>	0.855	-0.24	0.889	0.876	-0.983	0.635	-0.76	0.871	0.978
8	<i>VvSMAXL4</i>	0.36	0.777	0.699	-0.399	0.672	-0.041	0.214	-0.398	-0.654
9	<i>VvSMAXL3a</i>	0.636	0.998*	0.436	-0.669	0.126	0.539	-0.384	0.199	-0.102
10	<i>VvSMAXL3b</i>	0.824	0.999*	0.173	-0.847	0.11	0.552	-0.399	0.214	-0.087
11	<i>VvSMAXL6a</i>	-0.007	-0.409	0.418	-0.035	0.888	-0.976	0.999*	-0.989	-0.899
12	<i>VvSMAXL6b</i>	0.944	0.999*	0.631	-0.957	0.022	0.624	-0.479	0.3	0.002

“\*” after the correlation coefficients represent the correlation between their mRNA expression levels and endogenous hormone levels and root parameters significantly different at  $P < 0.05$ .