

Table S1. The relative abundance of classes in *Proteobacteria* phylum of cultivation site “A” and “B”

Bacterial community (Class)	A	B
Alpha-proteobacteria	46.05272	49.46486
Beta-proteobacteria	21.04822	20.33279
Gamma-proteobacteria	11.94957	13.80833
Delta-proteobacteria	20.94949	16.39402

Table S2. Relationship between the relative abundance of the soil bacterial communities and growth characteristics of wild-simulated ginseng using Spearman's rank correlation analysis

Bacterial community	Growth characteristics												
	Stem length	Stem diameter	No. of leaflets per stem	Petiole length	Leaflet length	Leaflet width	Rhizome length	Root diameter	Root length	No. of rootlets	Total weight	Root weight	Dry weight
<i>Proteobacteria</i>	0.173	0.343	0.560*	0.172	0.272	0.403	0.282	0.614*	0.443	0.338	0.529*	0.549*	0.525*
<i>Acidobacteria</i>	-0.163	-0.368	-0.365	-0.483	-0.125	0.125	-0.632*	-0.393	-0.281	-0.551*	-0.325	-0.340	-0.361
<i>Verrucomicrobia</i>	0.318	0.425	0.296	0.501	0.155	-0.043	0.500	0.304	0.268	0.397	0.318	0.322	0.379
<i>Actinobacteria</i>	0.377	0.557*	0.600*	0.497	0.450	0.406	0.625*	0.661**	0.552*	0.526*	0.675**	0.679**	0.632*
<i>Chloroflexi</i>	0.141	0.050	-0.178	0.285	-0.114	-0.256	0.271	-0.196	-0.098	-0.052	-0.146	-0.234	-0.250
<i>Planctomycetes</i>	-0.143	0.050	0.245	0.158	-0.084	-0.170	0.196	0.200	0.222	0.530*	0.150	0.247	0.268
<i>Bacteroidetes</i>	-0.057	0.239	0.289	0.212	-0.045	-0.184	0.429	0.211	0.075	0.535*	0.046	0.064	0.114
<i>Gemmatimonadetes</i>	-0.027	-0.075	-0.230	0.081	-0.232	-0.355	0.146	-0.239	-0.013	-0.064	-0.218	-0.252	-0.182
<i>Firmicutes</i>	0.672**	0.604*	0.259	0.474	0.754**	0.697**	0.632*	0.446	0.214	0.061	0.543*	0.452	0.246
<i>Nitrospirae</i>	0.141	0.261	0.319	0.320	-0.071	-0.218	0.425	0.254	0.161	0.315	0.171	0.209	0.254

Spearman's rho values (r) written are significantly correlated between the variables compared. Negative values denote negative correlation and positive values denote positive correlation. * $p < 0.05$, ** $p < 0.01$.