Table S1. The slope of the ratio of C, N, P in leaves under different mycorrhizal types

Mycorrhizal types	leaf C/N	P value	leaf N/P	P value	leaf C/P	P value
AM	0.8384	0.052	19.394	<0.001	42.145	0.003
AM+ECM	2.3619	0.004	4.4693	0.019	7.1678	0.583
ECM	0.0435	0.917	1.1417	0.576	8.0611	0.331

Numbers provide the slopes, and their P values are provided in the table.

Table S2. The slope of the ratio of C, N, P in stems under different mycorrhizal types

Mycorrhizal types	stem C/N	P value	stem N/P	P value	stem C/P	P value
AM	0.2719	0.304	14.933	<0.001	-35.314	0.009
AM+ECM	1.0278	0.287	11.242	<0.001	-33.565	0.082
ECM	0.2926	0.607	11.303	<0.001	-16.808	0.372

Numbers provide the slopes, and their P values are provided in the table.

Table S3. The slope of the ratio of C, N, P in roots under different mycorrhizal types

Mycorrhizal types	root C/N	P value	root N/P	P value	root C/P	P value
AM	0.6408	0.010	12.028	<0.001	-31.841	0.001
AM+ECM	3.1454	0.060	2.8711	0.076	-69.927	0.001
ECM	0.2457	0.633	0.5811	0.703	8.319	0.266

Numbers provide the slopes, and their P values are provided in the table.

Table S4. The slope of carbon to nitrogen ratio in different organs under different mycorrhizal types

Mycorrhizal types	leaf/stem	P value	leaf/root	P value	stem/root	P value
AM	0.1141	<0.001	0.1246	<0.001	0.8051	<0.001
AM+ECM	0.0959	<0.001	0.0696	0.001	0.5535	<0.001
ECM	0.0585	<0.001	0.0805	<0.001	0.5313	<0.001

Numbers provide the slopes, and their P values are provided in the table.

Table S5. The slope of nitrogen to phosphorus ratio in different organs under different mycorrhizal types

Mycorrhizal types	leaf/stem	P value	leaf/root	P value	stem/root	P value
AM	0.4355	<0.001	0.2408	<0.001	0.5181	<0.001
AM+ECM	0.3482	0.004	0.5043	<0.001	0.6267	<0.001
ECM	0.7012	<0.001	0.4527	<0.001	0.3000	<0.001

Numbers provide the slopes, and their P values are provided in the table.

Table S6. The slope of carbon to phosphorus ratio in different organs under different mycorrhizal types

Mycorrhizal types	leaf/stem	P value	leaf/root	P value	stem/root	P value
AM	0.0889	<0.001	0.1001	<0.001	0.4401	<0.001
AM+ECM	0.1113	<0.001	0.1272	<0.001	0.6498	<0.001
ECM	0.1143	<0.001	0.0973	<0.001	0.2709	<0.001

Numbers provide the slopes, and their P values are provided in the table.