

Table S4 Nonparametric paired t-test between groups

	ACE	Chao1	Shannon	Simpson
MN12 vs FN12	t = -0.1821, df = 5, p-value = 0.8627	t = -0.13469, df = 5, p-value = 0.8981	t = -3.0588, df = 5, p-value = 0.02814	t = -2.3721, df = 5, p-value = 0.06378
MN35 vs FN35	t = 1.05, df = 8, p-value = 0.3244	t = 1.482, df = 8, p-value = 0.1766	t = 0.13188, df = 8, p-value = 0.8983	t = 0.37082, df = 8, p-value = 0.7204
MN67 vs FN67	t = -2.1948, df = 5, p-value = 0.07962	t = -2.2254, df = 5, p-value = 0.07661	t = -0.93133, df = 5, p-value = 0.3944	t = -0.19365, df = 5, p-value = 0.8541
MA vs FA	t = -1.0342, df = 11, p-value = 0.3232	t = -1.1995, df = 11, p-value = 0.2555	t = -1.0452, df = 11, p-value = 0.3184	t = -0.56459, df = 11, p-value = 0.5837
Male vs Female	t = -1.1689, df = 32, p-value = 0.2511	t = -1.1965, df = 32, p-value = 0.2403	t = -23.79, df = 32, p-value < 2.2e-16	t = -0.73611, df = 32, p-value = 0.467

Note. Nonparametric paired *t*-test only revealed significant differences in the Shannon diversity indices between Male vs. Female ($P < 2.2e-16$) and MN12 vs. FN12 ($P < 0.05$).