Supplementary Table 3. Main results of alpha diversity

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| Index | Sample sizes | SMD | 95%CI | *I2* |
| AR | HC |
| Shannon index | 550 | 385 | -0.3938 | -0.9847; 0.1972 | 94% |
| Simpson index | 236 | 185 | -0.16 | -1.12; 0.80 | 96% |
| Chao1 index | 489 | 321 | 0.00 | -1.32; 1.32 | 97% |

AR: allergic rhinitis; HC: healthy control; SMD: standardized mean difference; CI:confidence intervals