|                          | Bacterial (16S) |                          | Fungal (ITS) |
|--------------------------|-----------------|--------------------------|--------------|
|                          | F               | N Perm                  | Pr(>F)       | F             | N Perm | Pr(>F) |
| Donor                    | 3.528           | 999                     | **0.001**    | 0.796         | 999    | 0.711  |
| Season                   | 6.662           | 999                     | **0.002**    | 2.408         | 999    | 0.063  |
| Sector                   | 5.969           | 999                     | **0.002**    | 6.004         | 999    | **0.002** |
| Treatment                | 22.36           | 999                     | **0.001**    | 1.184         | 999    | 0.270  |
| Sex                      | 0.168           | 999                     | 0.668        | 0             | 999    | 0.992  |
| Cancer                   | 3.675           | 999                     | 0.063        | 1.188         | 999    | 0.284  |
| Cardiovascular           | 0.991           | 999                     | 0.315        | 0.880         | 999    | 0.341  |
| Respiratory              | 16.89           | 999                     | **0.001**    | 6.434         | 999    | **0.009** |
| Neurological             | 4.002           | 999                     | **0.048**    | 1.342         | 999    | 0.212  |
| Timepoint                | 7.318           | 999                     | **0.001**    | 11.174        | 999    | **0.001** |
| BMI category             | 5.116           | 999                     | **0.004**    | 8.782         | 999    | **0.001** |