Comparative analyses of the V4 and V9 regions of 18S rDNA for the extant eukaryotic community using the Illumina platform

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### Supplementary Table 1

The taxonomic profiles of eukaryotes based on the sequences of the V4 and V9 regions. Out of 102 major sub-division groups, the V9 region could detect 94 major sub-division groups that were only 69% of the total eukaryotic major sub-division groups. Only values of 90% or above are shown for statistical support (†). * indicates the original classification of supergroups or highest rank groups. ** indicates the order level, P: phylum level, C: class level, O: order level, F: family level.

#### V4

| Major sub-division       | Abundance | Statistical support (†) |
|--------------------------|-----------|-------------------------|
| Alveolata                | 1.0%      | 85%                     |
| Unclassified Alveolata   | 35.7%     | 4.3%                    |
| Excavata                 | 79.9%     | 61.2%                   |
| Rhizaria                 | 49.9%     | 12.7%                   |
| Archaeplastida           | 3.4%      | 10.2%                   |
| Saccharomycetes          | 0.2%      | 0.1%                    |
| Unclassified Archaeplastida | 3.4% | 10.2% |
| Chlamydia                | 0.1%      | 0.1%                    |
| Unclassified Amoebozoa   | 0.7%      | 3.6%                    |
| Unclassified Stramenopiles | 16.2% | 4.9% |
| Unclassified Opisthokonta | 24.9% | 52.2% |
| Total Reads              | 165,326   | 102,141                 |
| Total Reads              | 2,489     | 3,677                   |
| Total Reads              | 2,489     | 3,677                   |

#### V9

| Major sub-division       | Abundance | Statistical support (†) |
|--------------------------|-----------|-------------------------|
| Alveolata                | 1.0%      | 85%                     |
| Unclassified Alveolata   | 35.7%     | 4.3%                    |
| Excavata                 | 79.9%     | 61.2%                   |
| Rhizaria                 | 49.9%     | 12.7%                   |
| Archaeplastida           | 3.4%      | 10.2%                   |
| Saccharomycetes          | 0.2%      | 0.1%                    |
| Unclassified Archaeplastida | 3.4% | 10.2% |
| Chlamydia                | 0.1%      | 0.1%                    |
| Unclassified Amoebozoa   | 0.7%      | 3.6%                    |
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