Supplementary Table S1. Nucleotide comparison of the partial 28S rDNA sequences of *Archigetes* spp. based on 1,356 long alignment. P-distance (%) is given above diagonal and the number of variable nucleotides below diagonal.

|     | 1            | 2            | 3            | 4            | 5            | 6            | 7            | 8            | 9            | 10           | 11           | 12           | 13           | 14          |
|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| 1   | *Archigetes vadosus* n. sp. 138XXX | 0% | 0.07% | 0.15% | 0.15% | 0.22% | 0.16% | 0.30% | 0.30% | 0.30% | 0.30% | 0.30% | 0.30% | 1.33% |
| 2   | *Archigetes vadosus* n. sp. 139XXX | 0% | 0.15% | 0.15% | 0.22% | 0.08% | 0.22% | 0.30% | 0.30% | 0.30% | 0.30% | 0.30% | 0.30% | 1.33% |
| 3   | *Archigetes vadosus* n. sp. 152XXX | 1% | 0% | 0.22% | 0.22% | 0.30% | 0.08% | 0.22% | 0.37% | 0.37% | 0.37% | 0.37% | 0.37% | 1.41% |
| 4   | *Archigetes vadosus* n. sp. 153XXX | 2% | 2% | 3% | 0% | 0.22% | 0.16% | 0.30% | 0.37% | 0.37% | 0.37% | 0.37% | 0.37% | 1.33% |
| 5   | *Archigetes vadosus* n. sp. 13XXXXX | 2% | 2% | 3% | 0% | 0.22% | 0.16% | 0.30% | 0.37% | 0.37% | 0.37% | 0.37% | 0.37% | 1.33% |
| 6   | *Archigetes vadosus* n. sp. 15XXXXX | 3% | 3% | 4% | 3% | 3% | 0.22% | 0.16% | 0.30% | 0.37% | 0.37% | 0.37% | 0.37% | 1.33% |
| 7   | *Archigetes sieboldi* EU343736 | 2% | 1% | 1% | 2% | 2% | 4% | 0.24% | 0.40% | 0.40% | 0.40% | 0.40% | 0.40% | 1.46% |
| 8   | *Archigetes sieboldi* MW027492 | 4% | 3% | 3% | 4% | 4% | 5% | 3% | 0.44% | 0.44% | 0.44% | 0.44% | 0.44% | 1.48% |
| 9   | *Archigetes megacephalus* n. sp. 50XXXXX | 4% | 4% | 5% | 5% | 5% | 5% | 6% | 0% | 0% | 0% | 0% | 0% | 1.18% |
| 10  | *Archigetes megacephalus* n. sp. 154XXX | 4% | 4% | 5% | 5% | 5% | 5% | 6% | 0% | 0% | 0% | 0% | 0% | 1.18% |
| 11  | *Archigetes megacephalus* n. sp. XXXXXX | 4% | 4% | 5% | 5% | 5% | 5% | 6% | 0% | 0% | 0% | 0% | 0% | 1.18% |
| 12  | *Archigetes megacephalus* n. sp. MW027493 | 4% | 4% | 5% | 5% | 5% | 5% | 6% | 0% | 0% | 0% | 0% | 0% | 1.18% |
| 13  | *Archigetes megacephalus* n. sp. MW027494 | 4% | 4% | 5% | 5% | 5% | 5% | 6% | 0% | 0% | 0% | 0% | 0% | 1.18% |
| 14  | *Archigetes loculotrunctatus* n. sp. MW027502 | 18% | 18% | 19% | 18% | 18% | 17% | 18% | 20% | 16% | 16% | 16% | 16% | 16% | 1.18% |