**S6 Table.** *COI* divergence values (*p-*distance) between individuals of *Osedax deceptionensis*. \*See S3 Table for further details.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ***Osedax deceptionensis* code\*** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| 1 | *O. deceptionensis*\_7 | – |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | *O. deceptionensis*\_9 | 0.037 | – |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | *O. deceptionensis*\_5 | 0.029 | 0.016 | – |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | *O. deceptionensis*\_12 | 0.034 | 0.018 | 0.008 | – |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | *O. deceptionensis*\_17 | 0.032 | 0.016 | 0.005 | 0.008 | – |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | *O. deceptionensis*\_15 | 0.029 | 0.013 | 0.003 | 0.005 | 0.003 | – |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | *O. deceptionensis*\_6 | 0.029 | 0.013 | 0.003 | 0.005 | 0.003 | 0.000 | – |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | *O. deceptionensis*\_8 | 0.029 | 0.013 | 0.003 | 0.005 | 0.003 | 0.000 | 0.000 | – |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | *O. deceptionensis*\_13 | 0.029 | 0.013 | 0.003 | 0.005 | 0.003 | 0.000 | 0.000 | 0.000 | – |  |  |  |  |  |  |  |  |  |  |  |
| 10 | *O. deceptionensis*\_14 | 0.029 | 0.013 | 0.003 | 0.005 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | – |  |  |  |  |  |  |  |  |  |  |
| 11 | *O. deceptionensis*\_16 | 0.029 | 0.013 | 0.003 | 0.005 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | – |  |  |  |  |  |  |  |  |  |
| 12 | *O. deceptionensis*\_10 | 0.034 | 0.024 | 0.013 | 0.016 | 0.013 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | – |  |  |  |  |  |  |  |  |
| 13 | *O. deceptionensis*\_11 | 0.034 | 0.029 | 0.018 | 0.021 | 0.018 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.011 | – |  |  |  |  |  |  |  |
| 14 | *O. deceptionensis*\_2010 | 0.034 | 0.018 | 0.008 | 0.011 | 0.008 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.016 | 0.021 | – |  |  |  |  |  |  |
| 15 | *O. deceptionensis*\_3 | 0.032 | 0.016 | 0.005 | 0.008 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.013 | 0.018 | 0.003 | – |  |  |  |  |  |
| 16 | *O. deceptionensis*\_4 | 0.040 | 0.013 | 0.018 | 0.021 | 0.018 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.026 | 0.032 | 0.016 | 0.013 | – |  |  |  |  |
| 17 | *O. deceptionensis*\_1 | 0.029 | 0.013 | 0.003 | 0.005 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.011 | 0.016 | 0.005 | 0.003 | 0.016 | – |  |  |  |
| 18 | *O. deceptionensis*\_2 | 0.029 | 0.013 | 0.003 | 0.005 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.011 | 0.016 | 0.005 | 0.003 | 0.016 | 0.000 | – |  |  |
| 19 | *O. deceptionensis*\_19 | 0.037 | 0.021 | 0.011 | 0.013 | 0.011 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.018 | 0.024 | 0.003 | 0.005 | 0.018 | 0.008 | 0.008 | – |  |
| 20 | *O. deceptionensis*\_18 | 0.034 | 0.018 | 0.008 | 0.011 | 0.008 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.016 | 0.021 | 0.000 | 0.003 | 0.016 | 0.005 | 0.005 | 0.003 | – |