**Supplementary Table 2.** The evolutionary divergence between 16S rRNA gene of *Anaplasma*.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 1 | **A. platys, OK639187** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | **A. platys, OK639188** | 0.001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | **A. platys, OK639189** | 0.000 | 0.001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | A. platys, AY077619 | 0.003 | 0.004 | 0.003 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | A. platys, EU439943 | 0.003 | 0.004 | 0.003 | 0.000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | A. platys, MH762081 | 0.003 | 0.004 | 0.003 | 0.000 | 0.000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | A. platys, KT982643 | 0.003 | 0.004 | 0.003 | 0.000 | 0.000 | 0.000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | A. platys, KU586168 | 0.009 | 0.010 | 0.009 | 0.006 | 0.006 | 0.006 | 0.006 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | A. platys, KU586175 | 0.004 | 0.005 | 0.004 | 0.001 | 0.001 | 0.001 | 0.001 | 0.005 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | A. phagocytophilum, KF569911 | 0.022 | 0.023 | 0.022 | 0.019 | 0.019 | 0.019 | 0.019 | 0.021 | 0.021 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | A. phagocytophilum, KP062963 | 0.023 | 0.024 | 0.023 | 0.021 | 0.021 | 0.021 | 0.021 | 0.019 | 0.019 | 0.001 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | A. phagocytophilum, AB196721 | 0.023 | 0.024 | 0.023 | 0.021 | 0.021 | 0.021 | 0.021 | 0.022 | 0.022 | 0.001 | 0.003 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | A. bovis, FJ169957 | 0.026 | 0.027 | 0.026 | 0.023 | 0.023 | 0.023 | 0.023 | 0.021 | 0.022 | 0.021 | 0.019 | 0.022 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | A. bovis, MH255937 | 0.026 | 0.027 | 0.026 | 0.023 | 0.023 | 0.023 | 0.023 | 0.021 | 0.022 | 0.021 | 0.019 | 0.022 | 0.000 |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | A. capra, KR261620 | 0.031 | 0.032 | 0.031 | 0.028 | 0.028 | 0.028 | 0.028 | 0.027 | 0.027 | 0.036 | 0.035 | 0.037 | 0.032 | 0.032 |  |  |  |  |  |  |  |  |  |  |  |
| 16 | A. capra, KM206273 | 0.031 | 0.032 | 0.031 | 0.028 | 0.028 | 0.028 | 0.028 | 0.027 | 0.027 | 0.036 | 0.035 | 0.037 | 0.032 | 0.032 | 0.000 |  |  |  |  |  |  |  |  |  |  |
| 17 | A. sp., KF728354 | 0.031 | 0.032 | 0.031 | 0.028 | 0.028 | 0.028 | 0.028 | 0.027 | 0.027 | 0.036 | 0.035 | 0.037 | 0.032 | 0.032 | 0.000 | 0.000 |  |  |  |  |  |  |  |  |  |
| 18 | A. ovis, AF414870 | 0.030 | 0.031 | 0.030 | 0.027 | 0.027 | 0.027 | 0.027 | 0.026 | 0.026 | 0.034 | 0.032 | 0.035 | 0.031 | 0.031 | 0.009 | 0.009 | 0.009 |  |  |  |  |  |  |  |  |
| 19 | A. ovis, AY262124 | 0.031 | 0.032 | 0.031 | 0.028 | 0.028 | 0.028 | 0.028 | 0.027 | 0.027 | 0.032 | 0.031 | 0.034 | 0.030 | 0.030 | 0.010 | 0.010 | 0.010 | 0.001 |  |  |  |  |  |  |  |
| 20 | A. ovis, JQ917906 | 0.031 | 0.032 | 0.031 | 0.028 | 0.028 | 0.028 | 0.028 | 0.027 | 0.027 | 0.032 | 0.031 | 0.034 | 0.030 | 0.030 | 0.010 | 0.010 | 0.010 | 0.001 | 0.000 |  |  |  |  |  |  |
| 21 | A. centrale, JQ839010 | 0.028 | 0.030 | 0.028 | 0.026 | 0.026 | 0.026 | 0.026 | 0.025 | 0.025 | 0.028 | 0.027 | 0.030 | 0.027 | 0.027 | 0.008 | 0.008 | 0.008 | 0.005 | 0.004 | 0.004 |  |  |  |  |  |
| 22 | A. centrale, KU686784 | 0.028 | 0.030 | 0.028 | 0.026 | 0.026 | 0.026 | 0.026 | 0.025 | 0.025 | 0.028 | 0.027 | 0.030 | 0.027 | 0.027 | 0.008 | 0.008 | 0.008 | 0.005 | 0.004 | 0.004 | 0.000 |  |  |  |  |
| 23 | A. centrale, EF520690 | 0.028 | 0.030 | 0.028 | 0.026 | 0.026 | 0.026 | 0.026 | 0.025 | 0.025 | 0.028 | 0.027 | 0.030 | 0.027 | 0.027 | 0.008 | 0.008 | 0.008 | 0.005 | 0.004 | 0.004 | 0.000 | 0.000 |  |  |  |
| 24 | A. marginale, KT264188 | 0.027 | 0.028 | 0.027 | 0.025 | 0.025 | 0.025 | 0.025 | 0.023 | 0.023 | 0.030 | 0.028 | 0.031 | 0.028 | 0.028 | 0.006 | 0.006 | 0.006 | 0.004 | 0.005 | 0.005 | 0.001 | 0.001 | 0.001 |  |  |
| 25 | A. marginale, AF414873 | 0.027 | 0.028 | 0.027 | 0.025 | 0.025 | 0.025 | 0.025 | 0.023 | 0.023 | 0.030 | 0.028 | 0.031 | 0.028 | 0.028 | 0.006 | 0.006 | 0.006 | 0.004 | 0.005 | 0.005 | 0.001 | 0.001 | 0.001 | 0.000 |  |
| 26 | A. marginale, KU686794 | 0.027 | 0.028 | 0.027 | 0.025 | 0.025 | 0.025 | 0.025 | 0.023 | 0.023 | 0.030 | 0.028 | 0.031 | 0.028 | 0.028 | 0.006 | 0.006 | 0.006 | 0.004 | 0.005 | 0.005 | 0.001 | 0.001 | 0.001 | 0.000 | 0.000 |