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|  | **Two Epoch** | | | **One Epoch** |
| **Species** | Nu | Tau | Likelihood | Likelihood |
| A. finegoldii (Complete) | 0.585837 | 0.121259 | -191.175 |  |
| A. finegoldii (Isolate) | 7.62438e-05 | 0.00059825 | -5233.65 |  |
| A. finegoldii (GG) | 0.0536736 | 0.192409 | -51.2531 | -226.6443517359121 |
| A. muciniphila (Complete) | 0.329301 | 0.229568 | -84.7143 |  |
| A. muciniphila (Isolate) | 6.87297e-05 | 0.000692151 | -10461.8 |  |
| A. muciniphila (GG) | 0.412214 | 0.184787 | -35.0968 | -394.4640223844726 |
| A. onderdonkii (Complete) | 0.00111624 | 0.00564187 | -455.471 |  |
| A. onderdonkii (Isolate) | 65.8199 | 0.0790673 | -5711.04 |  |
| A. onderdonkii (GG) | 0.00077792 | 0.00578665 | -35.7025 | -367.26556546208485 |
| A. putredinis (Complete) | 5.69344e-05 | 0.000561966 | -1868.5 |  |
| A. putredinis (Isolate) | 16.3663 | 16.1209 | -595.973 |  |
| A. putredinis (GG) | 9.61159 | 3.63098 | -36.1261 | -863.2523605907211 |
| A. shahii (Complete) | 2.22638 | 9.72275 | -64.8002 |  |
| A. shahii (Isolate) | 6.84358 | 0.258813 | -240.142 |  |
| A. shahii (GG) | 18.7669 | 0.0499848 | -37.2099 | -92.12656956679211 |
| B. fragilis (Complete) | 2.15363 | 0.13931 | -105.71 |  |
| B. fragilis (Isolate) | 3.92747 | 2.5589 | -190.902 |  |
| B. fragilis (GG) | 2.92751 | 0.288772 | -35.0196 | -621.4516522293925 |
| B. intestinihominis (Complete) | 0.505931 | 0.0392079 | -78.9116 |  |
| B. intestinihominis (Isolate) | 6.68334 | 9.32692 | -476.033 |  |
| B. intestinihominis (GG) | 0.540065 | 0.050769 | -47.1256 | -159.78453733334754 |
| B. ovatus (Complete) | 0.000299311 | 8.73668e-06 | -693.599 |  |
| B. ovatus (Isolate) | 0.67543 | 0.309707 | -5212.41 |  |
| B. ovatus (GG) | 3.52144 | 0.0446575 | -30.6202 | -57.29119777634651 |
| B. thetaiotaomicron (Complete) | 0.770457 | 0.0497167 | 8.73668e-06 |  |
| B. thetaiotaomicron (Isolate) | 2.2922 | 0.228346 | -450.734 |  |
| B. thetaiotaomicron (GG) | 0.0427133 | 0.22371 | -47.1437 | -79.68659050254428 |
| B. xylanisolvens (Complete) | 0.00115518 | 2.77695e-05 | -80.913 |  |
| B. xylanisolvens (Isolate) | 1480.64 | 234.146 | -4.14371 |  |
| B. xylanisolvens (GG) | 0.265088 | 0.876258 | -32.9757 | -37.87379244237218 |
| D. invisus (Complete) | 0.00272822 | 0.0251103 | -98.4336 |  |
| D. invisus (Isolate) | 0.587042 | 0.919951 | -1383.39 |  |
| D. invisus (GG) | 18.4977 | 0.0217412 | -37.1637 | -95.18332533145986 |
| F. prausnitzii (Complete) | 2.30133 | 5.9079 | -216.767 |  |
| F. prausnitzii (Isolate) | 3.02815 | 1.09428 | -615.169 |  |
| F. prausnitzii (GG) | 1.06848 | 0.243666 | -35.9031 | -40.18847936906059 |
| O. splanchnicus (Complete) | 0.607248 | 0.0315866 | -65.1321 |  |
| O. splanchnicus (Isolate) | 0.00034436 | 0.00282058 | -294.743 |  |
| O. splanchnicus (GG) | 2.43161 | 7.38277 | -31.8308 | -32.427532235250965 |
| P. copri (Complete) | 14727.9 | 0.0586771 | -843.08 |  |
| P. copri (Isolate) | 63638.4 | 0.0407052 | -2876.85 |  |
| P. copri (GG) | 4.4606 | 0.315347 | -78.4052 | -1494.2754772140547 |
| P. merdae (Complete) | 0.735106 | 0.0327819 | -167.916 |  |
| P. merdae (Isolate) | 18.0689 | 0.0432351 | -361.243 |  |
| P. merdae (GG) | 0.737274 | 0.391528 | -35.3025 | -73.68111715850773 |
| R. bromii (Complete) | 1.89873 | 0.29291 | -220.178 |  |
| R. bromii (Isolate) | 1.88336 | 0.164973 | -547.506 |  |
| R. bromii (GG) | 2.96492 | 1.46003 | -34.8367 | -658.0589498106256 |