|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Artificial Genome Coverage** | |  | **Ba31 Count** | | |  |  |  |
| ***B. cereus*** | ***B. anthracis*** | **BCerG31 Coverage** | **Observed** | **Model Fit** | **Model Upper**  **99 % P.I.*1*** | **Exceeds 99% P.I.*1*** | **lef31 Gray Zone** | **KrakenHLL** |
| 0x | 0.001x | 0.00002 | 10 | 1 | 331 | No | Yes | Yes |
| 0x | 0.003x | 0.00245 | 346 | 1 | 332 | Yes | Yes | Yes |
| 0x | 0.2x | 0.123 | 25,396 | 21 | 352 | Yes | No | Yes |
| 1x | 0x | 0.593 | 99 | 102 | 433 | No | Yes | Yes |
| 1x | 0.003x | 0.610 | 444 | 104 | 437 | Yes | Yes | Yes |
| 1x | 0.2x | 0.727 | 25,627 | 125 | 456 | Yes | No | Yes |
| 5x | 0x | 3.048 | 487 | 524 | 855 | No | Yes | Yes |
| 5x | 0.003x | 3.060 | 919 | 526 | 857 | Yes | Yes | Yes |
| 5x | 0.2x | 3.155 | 25,502 | 542 | 874 | Yes | No | Yes |
| 10x | 0x | 6.115 | 1,050 | 1,051 | 1,382 | No | Yes | Yes |
| 10x | 0.004x | 6.100 | 1,531 | 1,048 | 1,379 | Yes | Yes | Yes |
| 10x | 0.2x | 6.450 | 26,346 | 1,074 | 1,405 | Yes | No | Yes |
| 25x | 0x | 15.277 | 2,516 | 2,625 | 2,957 | No | Yes | Yes |
| 25x | 0.004x | 15.174 | 3,075 | 2,608 | 2,939 | Yes | Yes | Yes |
| 25x | 0.2x | 15.339 | 27,536 | 2,636 | 2,967 | Yes | No | Yes |
| 50x | 0x | 30.381 | 5,058 | 5,221 | 5,552 | No | Yes | Yes |
| 50x | 0.005x | 30.438 | 5,726 | 5,231 | 5,562 | Yes | Yes | Yes |
| 50x | 0.2x | 30.595 | 29,766 | 5,257 | 5,589 | Yes | No | Yes |
| 75x | 0x | 45.753 | 7,323 | 4,530 | 8,194 | No | Yes | Yes |
| 75x | 0.006x | 45.699 | 8,351 | 7,853 | 8,184 | Yes | Yes | Yes |
| 75x | 0.2x | 45.859 | 31,971 | 7,881 | 8,212 | Yes | No | Yes |
| 100x | 0x | 60.926 | 9,633 | 10,470 | 10,801 | No | Yes | Yes |
| 100x | 0.01x | 60.958 | 11,020 | 10,475 | 10,807 | Yes | Yes | Yes |
| 100x | 0.2x | 61.093 | 33,761 | 10,498 | 10,830 | Yes | No | Yes |

***1***Prediction Interval