**Table S2**. Summary of radiocarbon ages (calBP) of a fossil guano reference and Minami-Daito samples.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sample ID | Material Type | Lab Code | uncalibrated BP | calBP (95.4% confidence interval) | δC (‰, VPDB)  |
| Mean | SD | Median | Lower | Upper |
| F170401g1 | Fossil guano (R4) | S-10568 | 1162 | ± 19  | 1070 | 1161 | 1179 | -25.6 |
| 1050 | 1128 |
| 978 | 1034 |
| Y180119g2 | Fecal pellet-like sample | S-10569 | 4112 | ± 38  | 4640 | 4748 | 4821 | -22.6 |
| 4521 | 4730 |
| 4453 | 4462 |
| H180120g5-u | Guano-like deposit | S-10567 | 4217 | ± 22 | 4746 | 4806 | 4847 | -27.8 |
| 4700 | 4759 |
| 4650 | 4673 |
| H180120g5-m | Guano-like deposit | S-10566 | 3991 | ± 21 | 4478 | 4464 | 4521 | -28.0 |
| 4415 | 4451 |
| H180120g5-b | Guano-like deposit | S-10565 | 3979 | ± 22 | 4472 | 4465 | 4520 | -27.1 |
| 4410 | 4451 |