**Table S1** The 20 fossils examined in this study.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Specimen** | **Spec. ID** | **Elements preserved** | **Spec. Location** | **Notes on spec.** | **Locality of Origin** | **Scanned where and by whom** | **kV** | **µA** | **Voxel size (mm)** | **Rotation step (o)** | **Exposure (ms)** |
| **A** | AMNH DR SH 1 | whole body | American Museum Natural History, New York | Curator David Grimaldi  | Dominican Republic | Harvard Centre for Nanoscale Systems Material Synthesis Facility (CNS); Emma Sherratt (ES) & Jasmine Casart | 70 | 120 | 0.0267 | 0.11 | 1000 |
| **B** | I | whole body | Private collection | Owned by Marilyn Halonen and Michael Cusanovich of Tuscon, Arizona | Dominican Republic | CNS; D. Luke Mahler | 55 | 185 | 0.0452 | 0.25 | - |
| **C** | II | whole body | Private collection | Owned by Jim Work (Larimar) of Central Point, Oregon | Dominican Republic | CNS; ES | 65 | 195 | 0.0609 | 0.11 | 1000 |
| **D** | III | whole body | Private collection | Jose Calbeto of Guaynabo, Puerto Rico | Dominican Republic | CNS; ES | 55 | 165 | 0.0149 | 0.11 | 1415 |
| **E** | M-1062 | part (hindlimbs and tail) | Private collection | Owned by Ettore Morone of Torino, Italy | Dominican Republic | Imaging and Analysis Centre, Natural History Museum London (IAC-NHM); ES & Russell Garwood (RG) | 105 | 195 | 0.0107 | 0.06 | 354 |
| **F** | M-1153 | whole body | Private collection | Owned by Ettore Morone of Torino, Italy | Dominican Republic | IAC-NHM; ES & RG | 105 | 195 | 0.0135 | 0.06 | 354 |
| **G** | M-3410 | whole body | Private collection | Owned by Ettore Morone of Torino, Italy | Dominican Republic | IAC-NHM; ES & RG | 105 | 195 | 0.0330 | 0.06 | 354 |
| **H** | M-525 | whole body | Private collection | Owned by Ettore Morone of Torino, Italy | Dominican Republic | IAC-NHM; ES & RG | 105 | 195 | 0.0210 | 0.06 | 500 |
| **I** | NMBA Entom P52 | whole body | Naturhistorisches Museum, Basal Switzerland | Obtained by C. Baroni-Urbani, NMBA, Basel | La Toca mine, Cordillera Septentrional, Dominican Republic | Synchrotron Radiation Facility (ESRF) in Grenoble, France, Renaud Boistel & Anthony Herrel | - | - | 0.00746 | - | - |
| **J** | OAAAA | whole body | Private collection | Owned by Marco Greco (Ambras GrecoSAS) of Milan, Italy | Dominican Republic | CNS; ES | 75 | 130 | 0.0237 | 0.11 | 1000 |
| **K** | SMNS Do-4871-M | part (head) | Staatliches Museum für Naturkunde Stuttgart, Germany | Donated by Georg Dommel of Düsseldorf, Germany in 1985 | Dominican Republic | CNS; ES | 50 | 140 | 0.0077 | 0.11 | 1415 |
| **L** | SMNS Do-4886-B | part (tail, hindlimb) | Staatliches Museum für Naturkunde Stuttgart, Germany | Purchased in 1985 from Erich Beyna, Santo Domingo, Dominican Republic | Dominican Republic | CNS; ES | 50 | 180 | 0.0124 | 0.11 | 1000 |
| **M** | SMNS Do-5566-X | part (trunk, forelimb, hindlimbs) | Staatliches Museum für Naturkunde Stuttgart, Germany | Purchased 1991 from D. M. Salem, 8950 Sunrise Lake Blvd. 80/311, Sunrise, FL 33322, USA | Dominican Republic | CNS; ES | 50 | 130 | 0.0256 | 0.11 | 1415 |
| **N\*** | SMU 74976 | part (head) | Shuler Museum of Paleontology, South Methodist University, Dallas TX | Donated by William S. Lowe of Granbury Texas | Dominican Republic | University of Texas High-Resolution X-ray CT Facility, Rich Ketcham | 80 | 200 | 0.0680 | 0.13 | - |
| **O\*** | USNM 580060 | part (head, forelimb) | Smithsonian Institution National Museum of Natural History, Washinton DC | Purchased from Amberica West | La Toca mine, Cordillera Septentrional, Dominican Republic | University of Texas High-Resolution X-ray CT Facility, Matthew Colbert  | 180 | 133 | 0.0127 | 0.23 | - |
| **O** | " | " | " | " | " | CNS; ES | 60 | 165 | 0.0051 | 0.18 | 1000 |
| **P** | M-2096 | part (trunk and forelimbs) | Private collection | Owned by Ettore Morone of Torino, Italy | Dominican Republic | IAC-NHM; ES & RG | 105 | 195 | 0.0168 | 0.06 | 354 |
| **Q** | RAAA | part (forelimbs) | Private collection | Owned by Marco Greco (Ambras GrecoSAS) of Milan, Italy | Dominican Republic | CNS; ES | 75 | 130 | 0.0089 | 0.11 | 1000 |
| **R** | M-3016 | part (forelimb, torso) | Private collection | Owned by Ettore Morone of Torino, Italy | Dominican Republic | IAC-NHM; ES & RG | 105 | 195 | 0.0092 | 0.06 | 354 |
| **S** | M-1273 | part (forelimbs) | Private collection | Owned by Ettore Morone of Torino, Italy | Dominican Republic | IAC-NHM; ES & RG | 105 | 195 | 0.0068 | 0.06 | 354 |
| **T** | SMNS Do-5742 | part (body, no head) | Staatliches Museum für Naturkunde Stuttgart, Germany | Donated by Georg Dommel of Düsseldorf, Germany in 1980 | Dominican Republic | CNS; ES | 50 | 165 | 0.0308 | 0.11 | 1415 |

 \* These scans are not included in this archive as it was previously published upon and already in the archive of Digimorph (http://www.digimorph.org).