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FuncQEE Scans - Set 2

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Abstract

A collection of x-ray computed tomography scans of specimens from the Museum of Southwestern Biology.

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I would like to thank the generosity of our collaboration partners - without your willingness to take risks, to share knowledge and to passionately pursue STEM outreach this project would not have been possible.

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FuncQEE, Principle Investigator
- Cody Thompson
University of Michigan Museum of Zoology
Mammal Division Collections Manager
- David Blackburn
Florida Museum of Natural History
Associate Curator of Herpetology
- Bryan McLean
University of North Carolina-Greensboro
Assistant Professor

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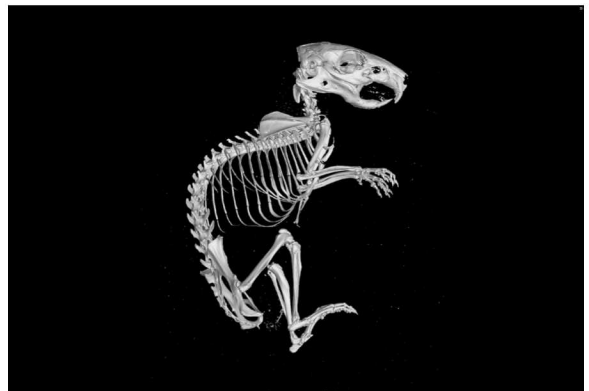
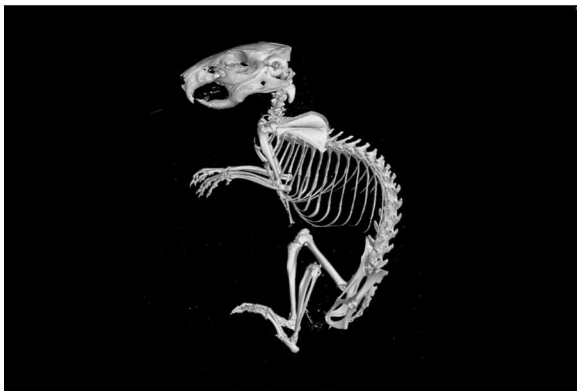
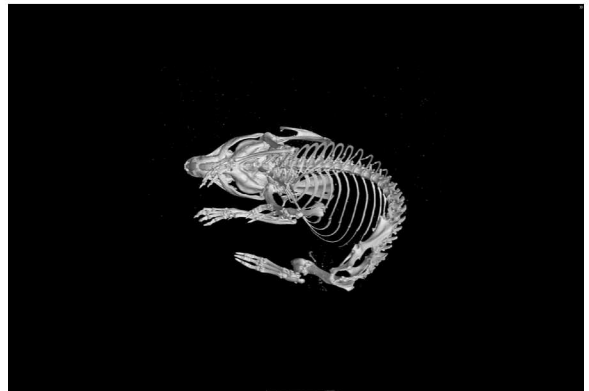
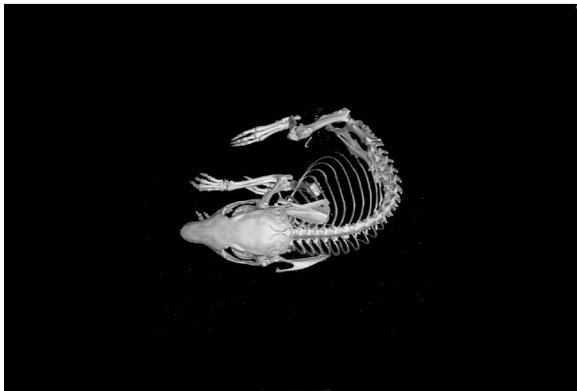
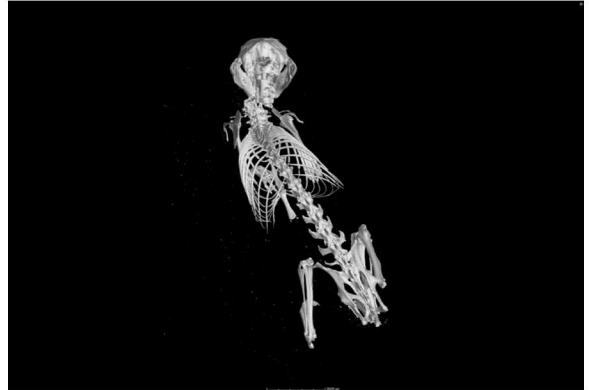
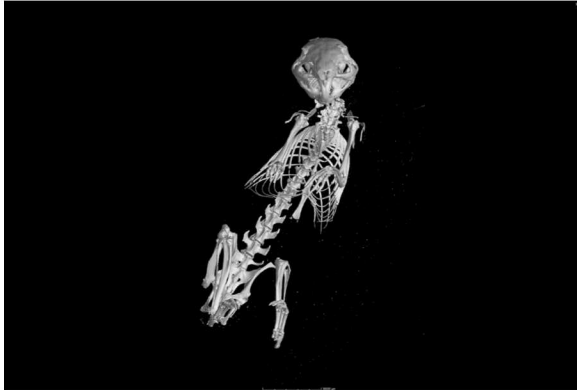
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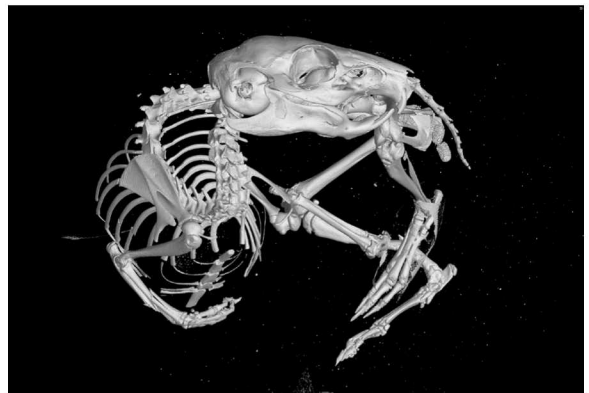
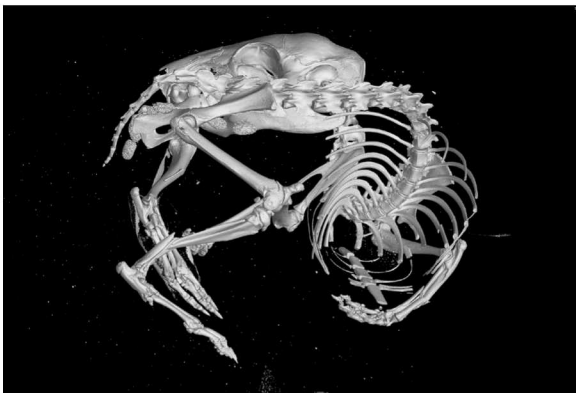
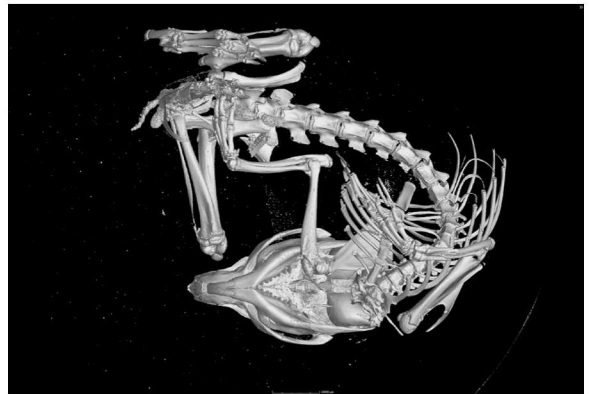
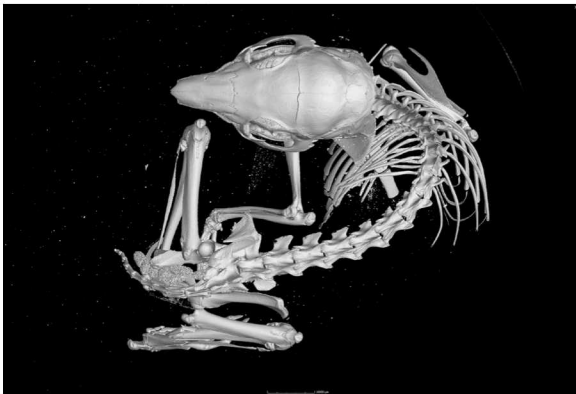
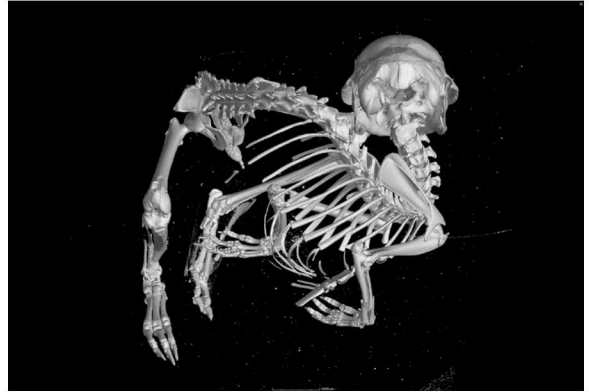
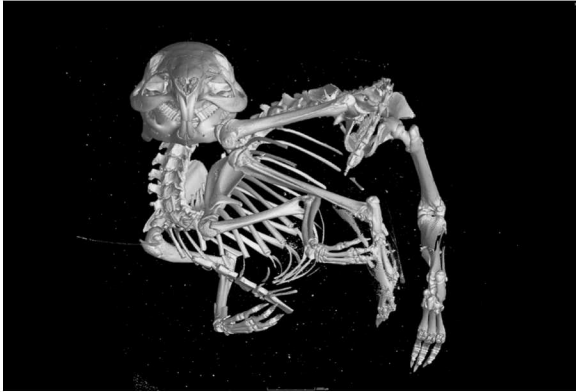
MSB 93984: *Cavia fulgida*

Body: 95 μ m resolution



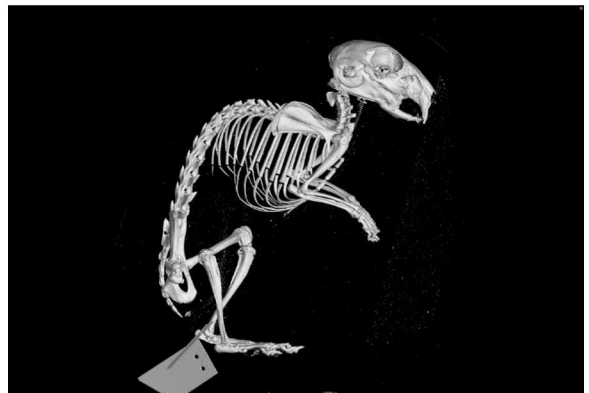
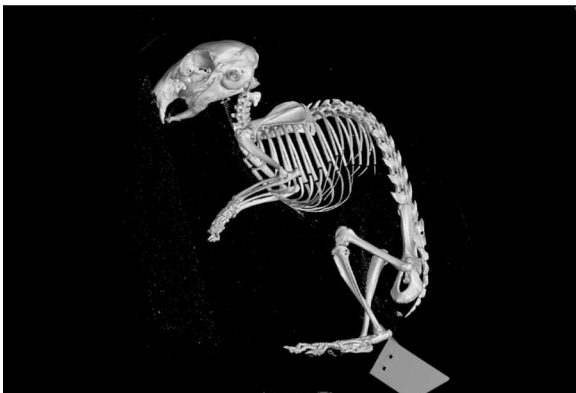
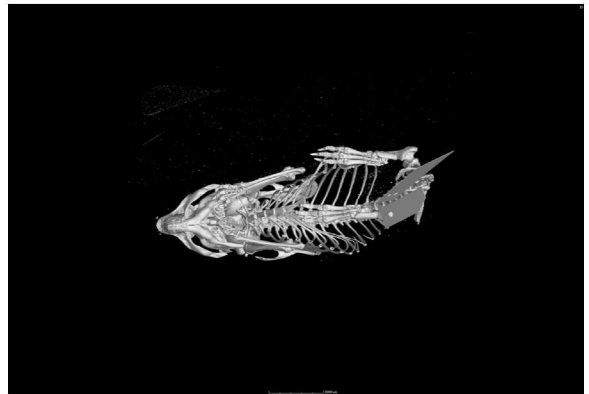
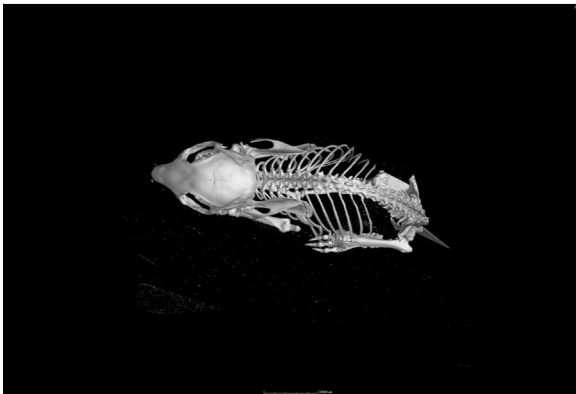
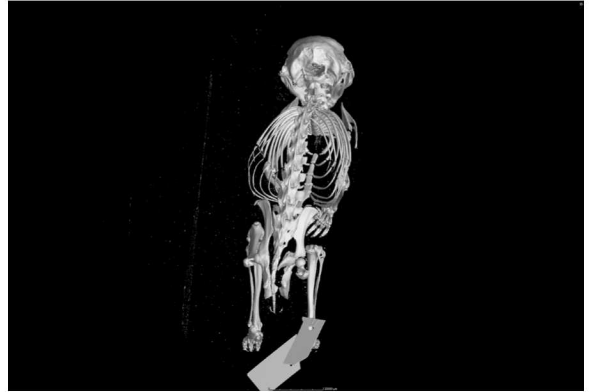
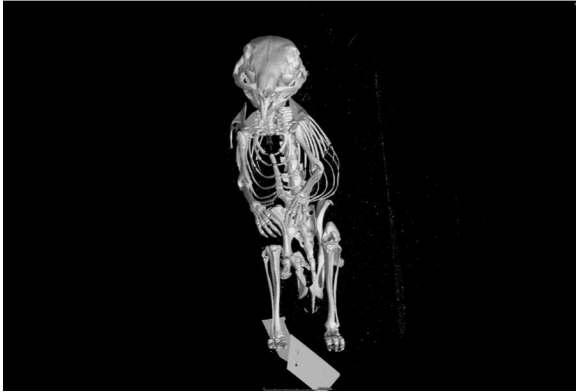
MSB 64524: *Galea musteloides*

Body: 60 μ m resolution



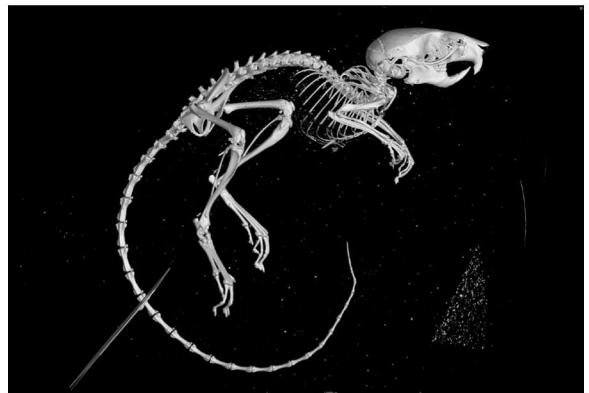
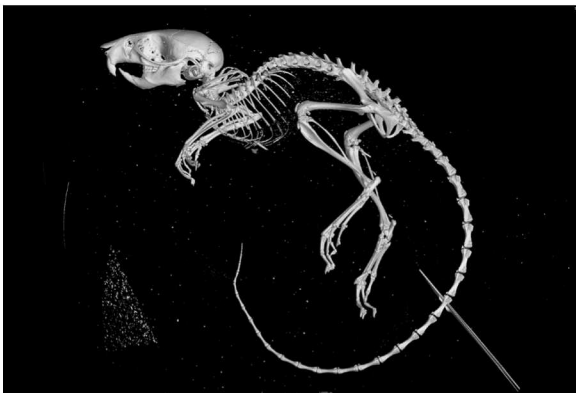
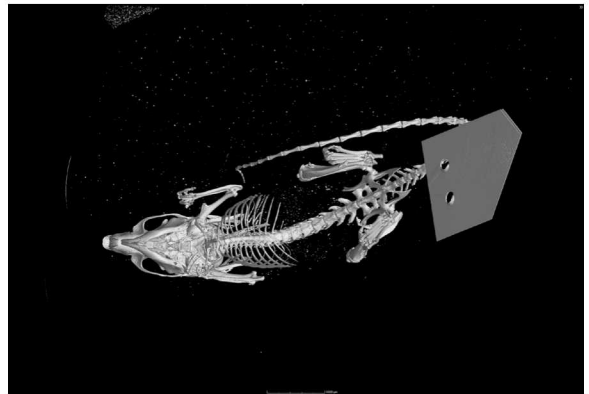
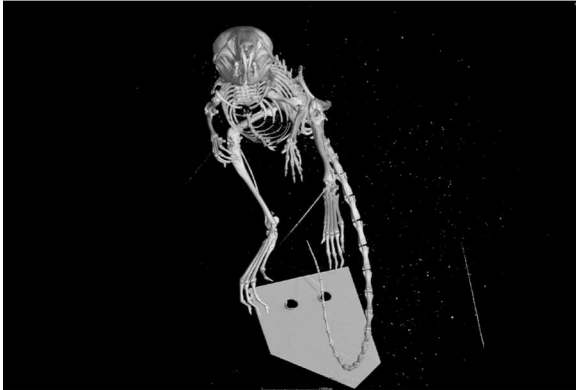
MSB 265516: *Microcavia niata*

Body: 70 μ m resolution



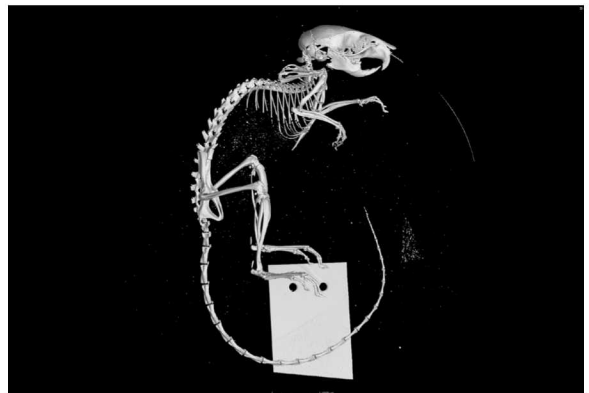
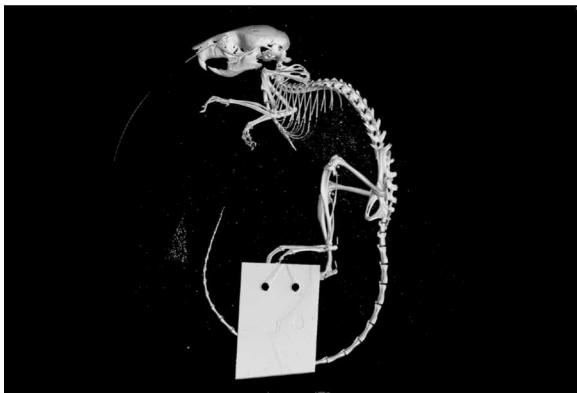
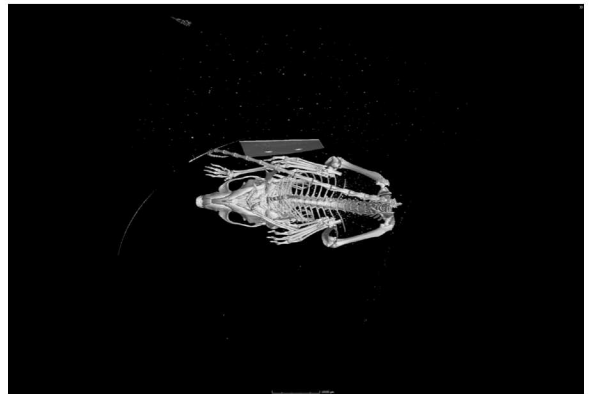
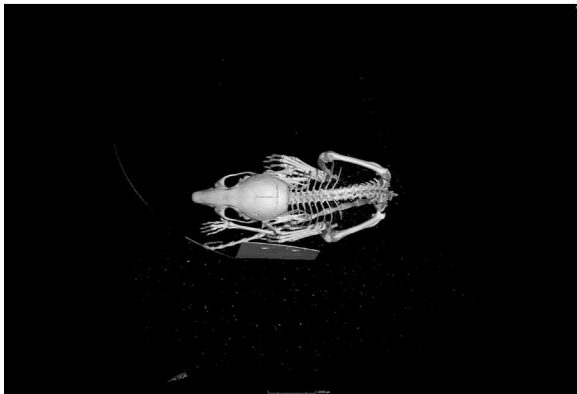
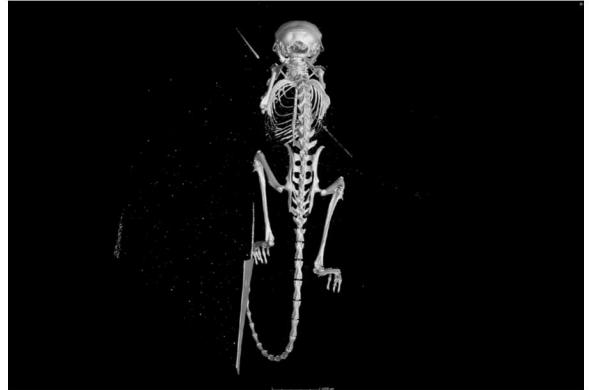
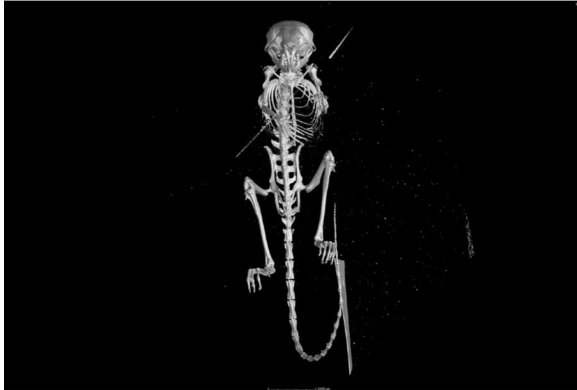
MSB 159846: *Oligoryzomys costaricensis*

Body: 50 μ m resolution



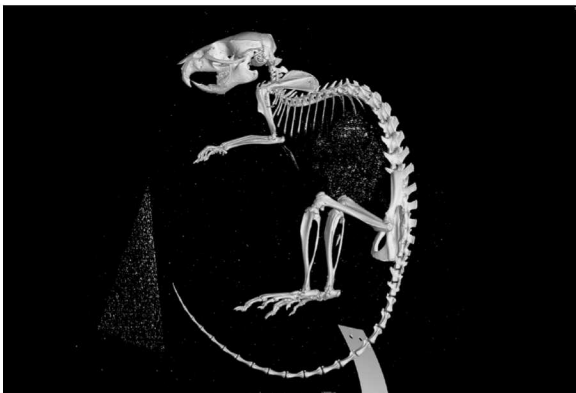
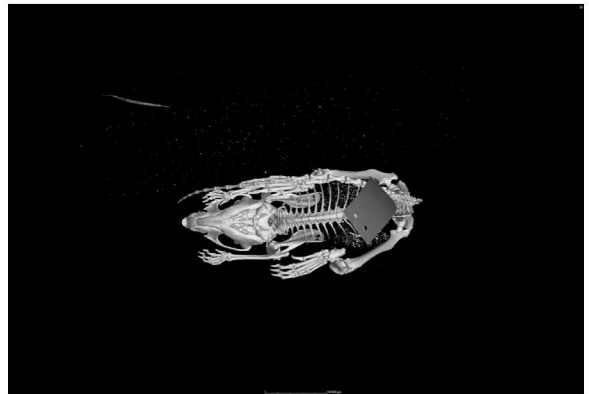
MSB 159847: *Oligoryzomys costaricensis*

Body: 50 μ m resolution



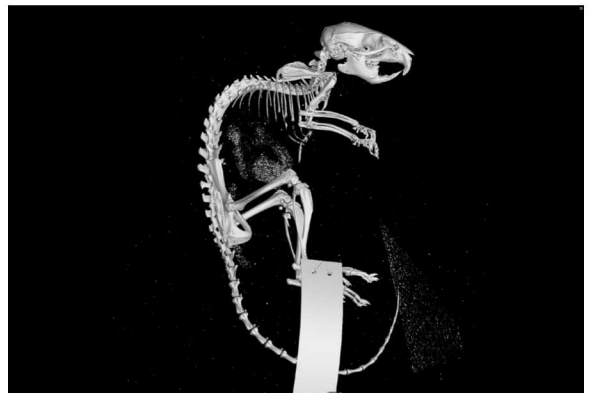
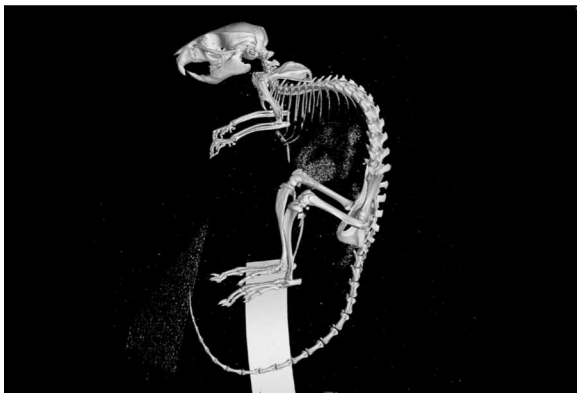
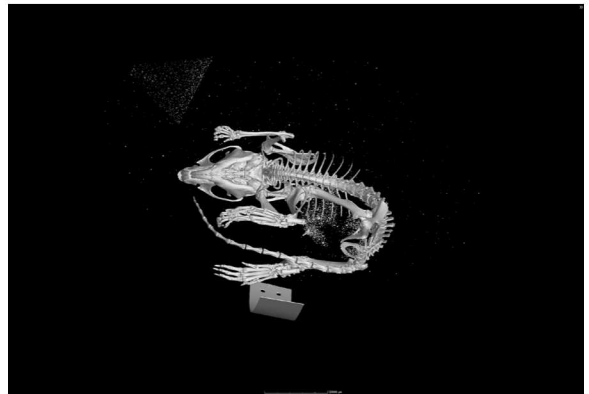
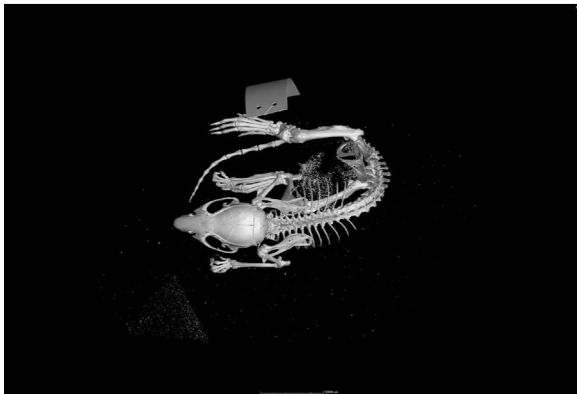
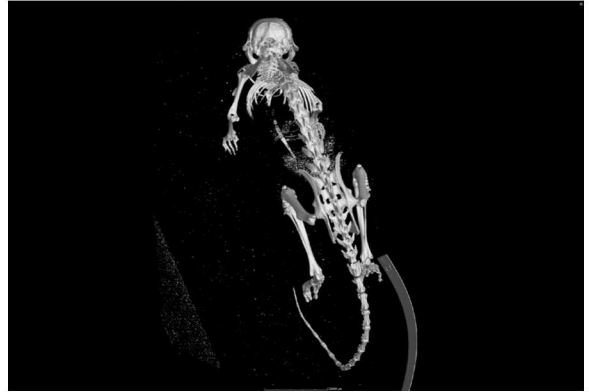
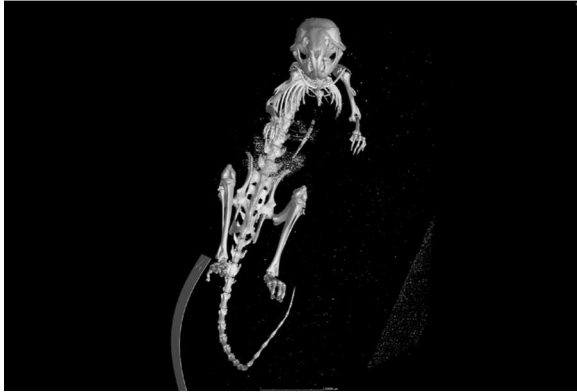
MSB 264566: *Sigmodon hirsutus*

Body: 65 μ m resolution



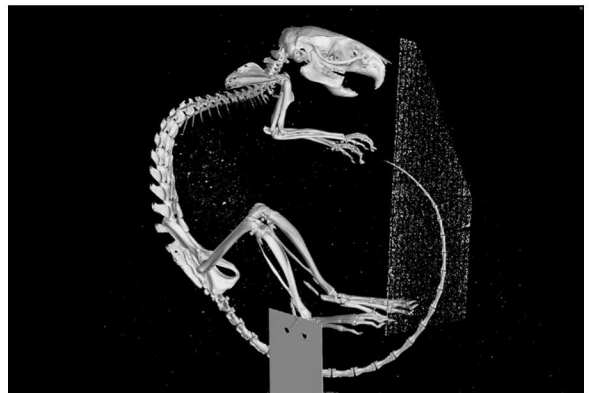
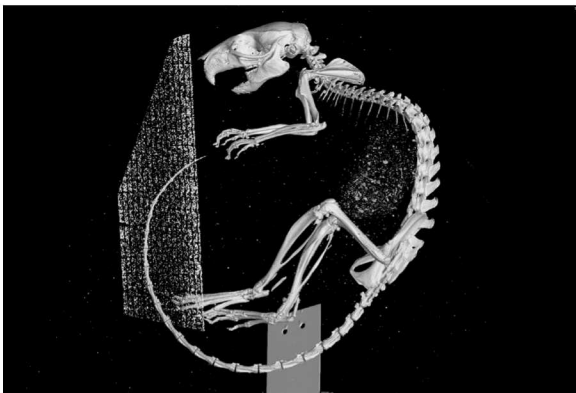
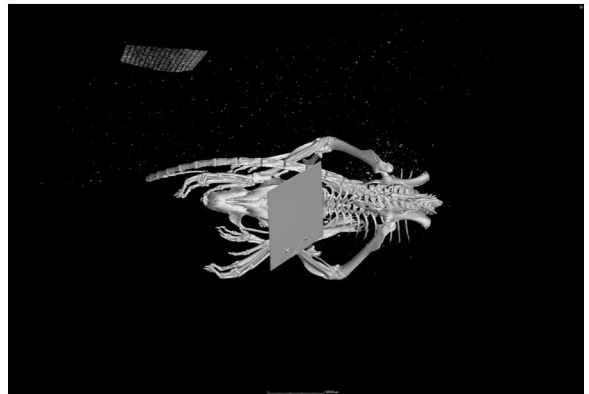
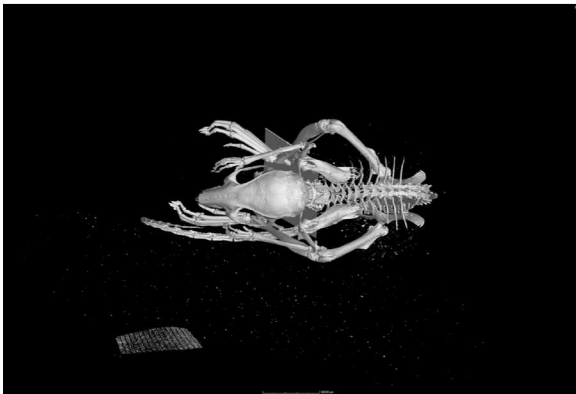
MSB 264574: *Sigmodon hirsutus*

Body: 65 μ m resolution



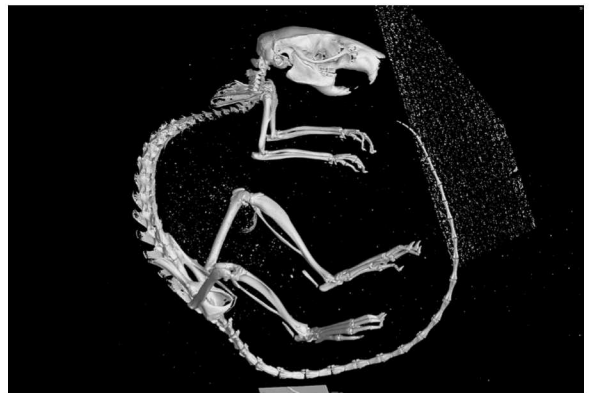
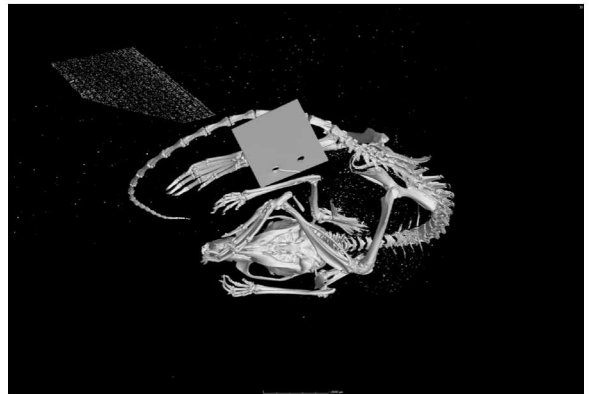
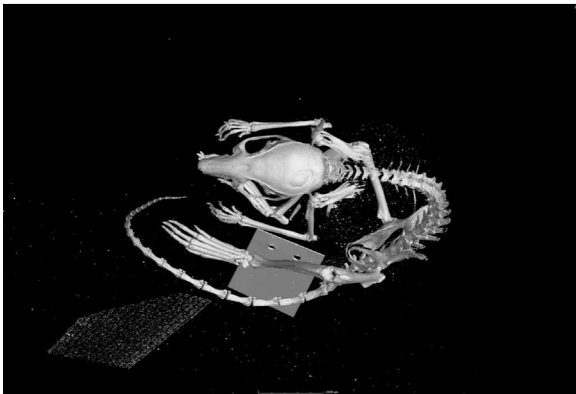
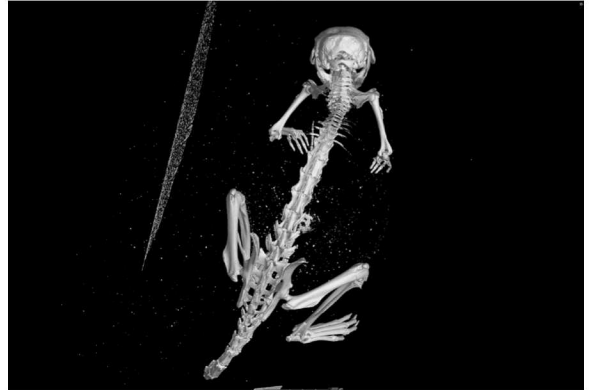
MSB 130077: *Transandinomys bolivaris*

Body: 70 μ m resolution



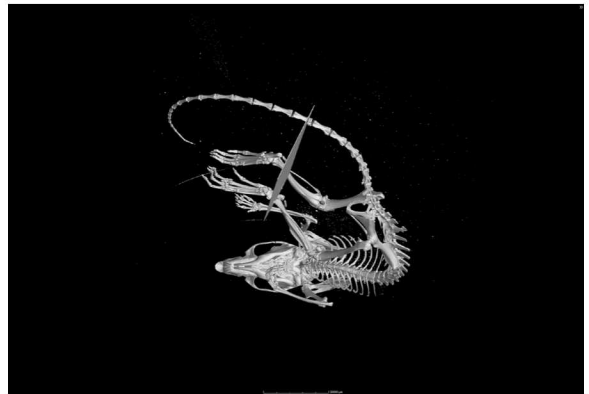
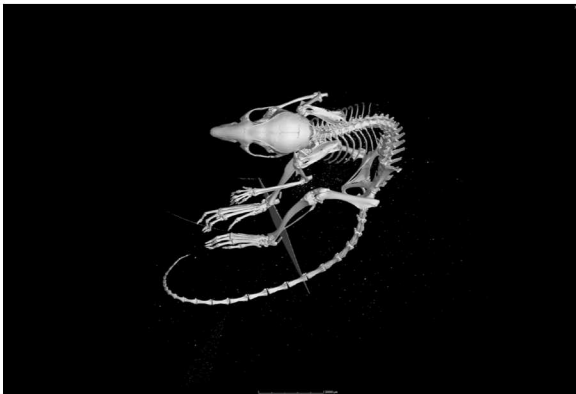
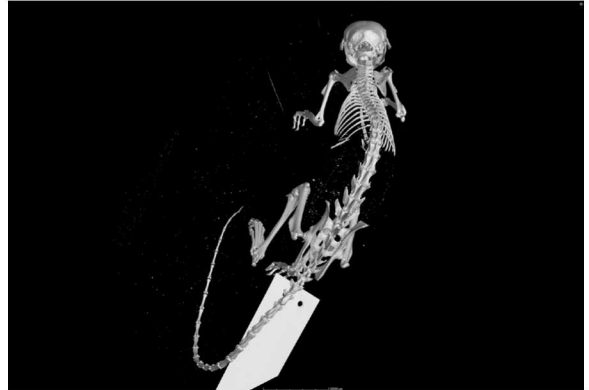
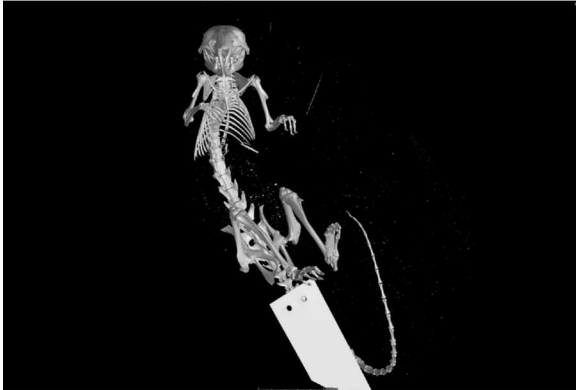
MSB 130078: *Transandinomys bolivaris*

Body: 70 μ m resolution



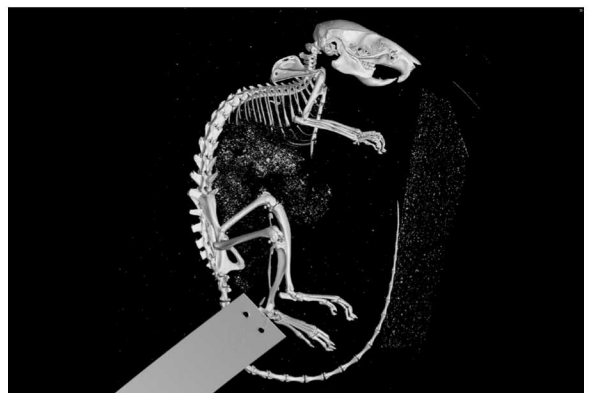
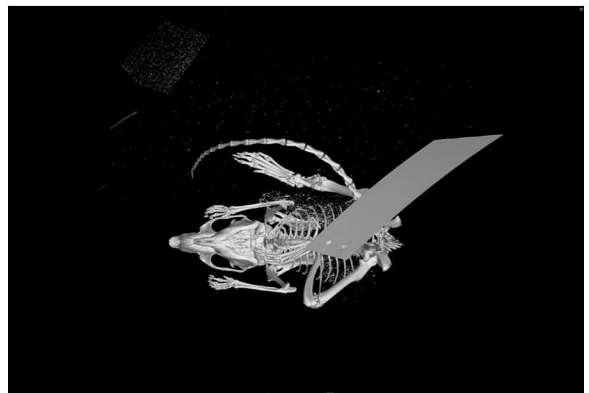
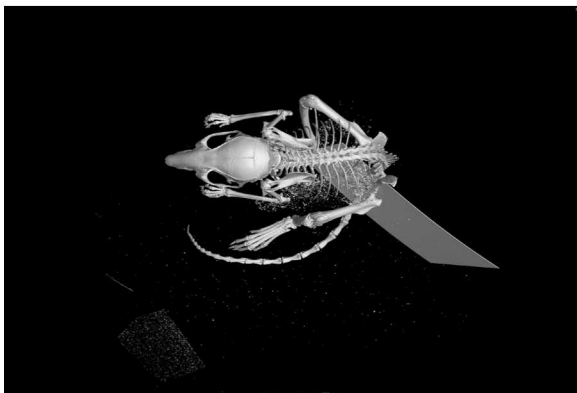
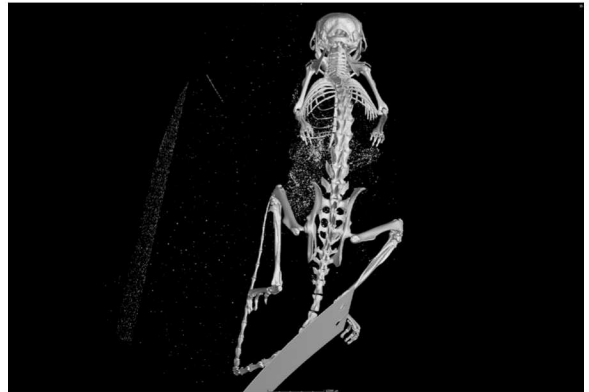
MSB 159548: *Transandinomys talamancae*

Body: 65 μ m resolution



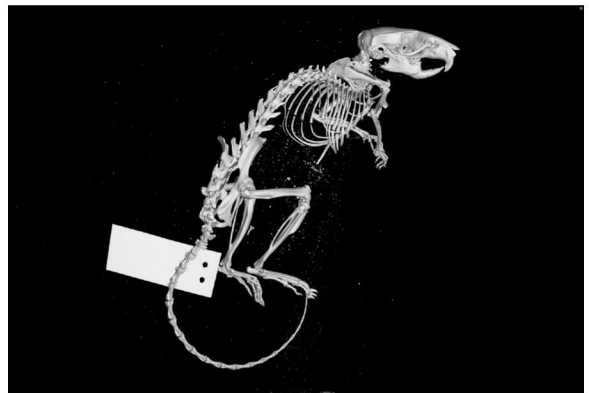
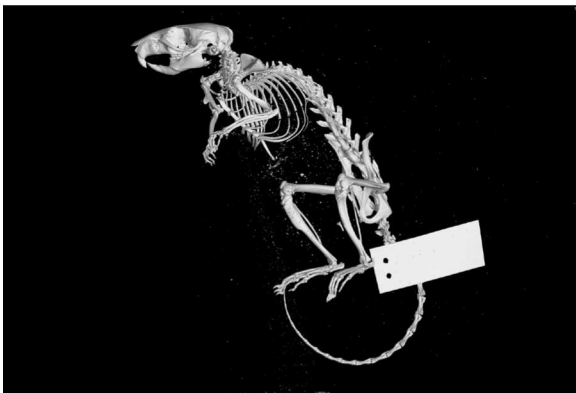
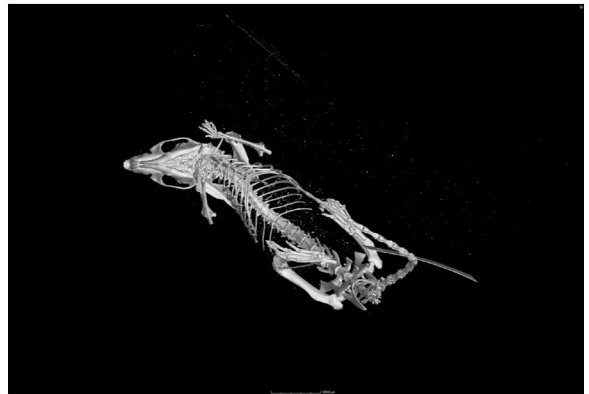
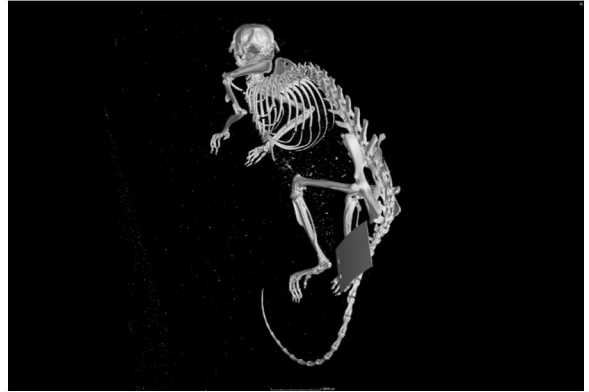
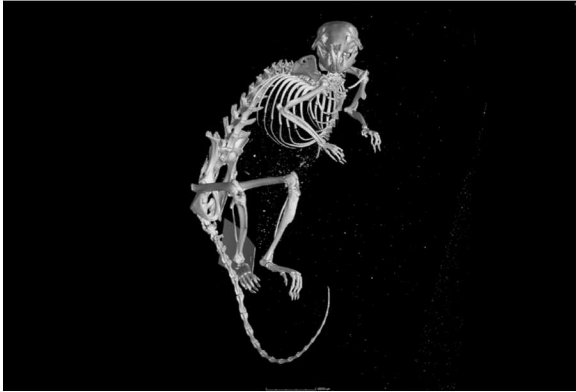
MSB 264491: *Transandinomys talamancae*

Body: 65 μ m resolution



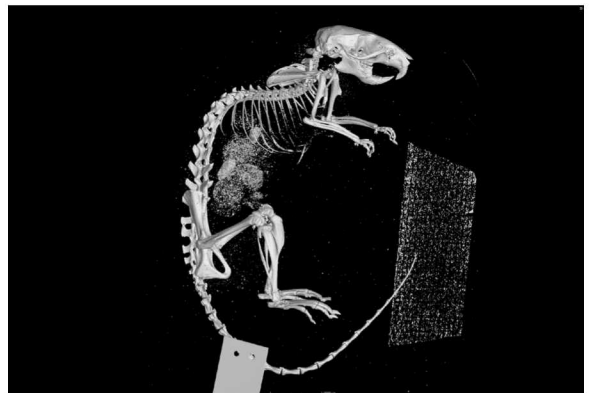
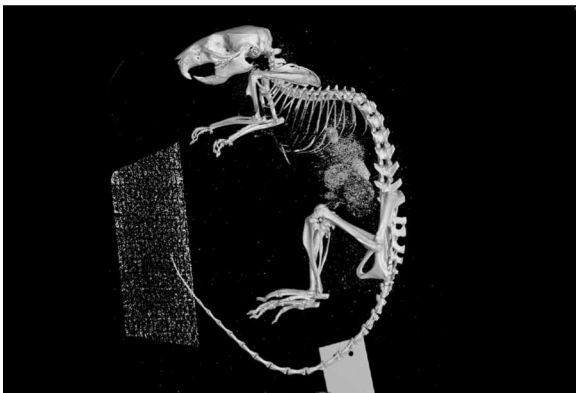
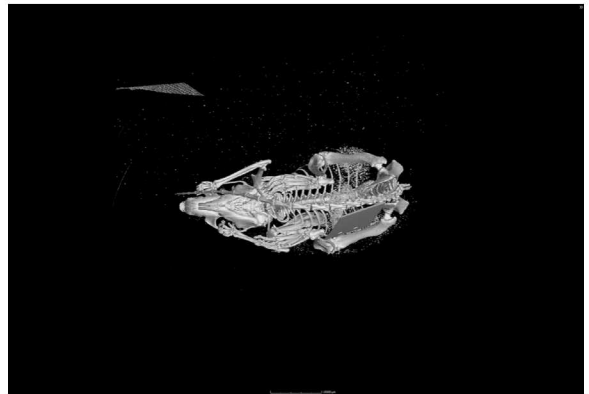
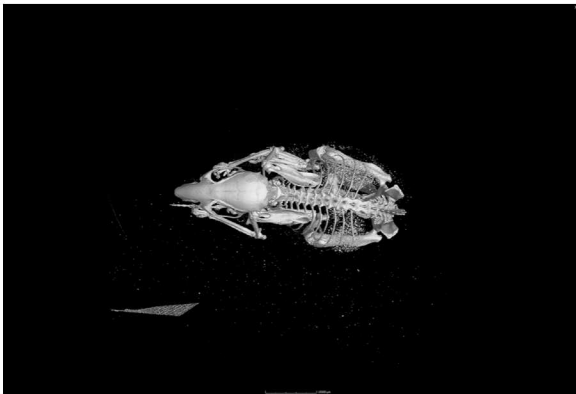
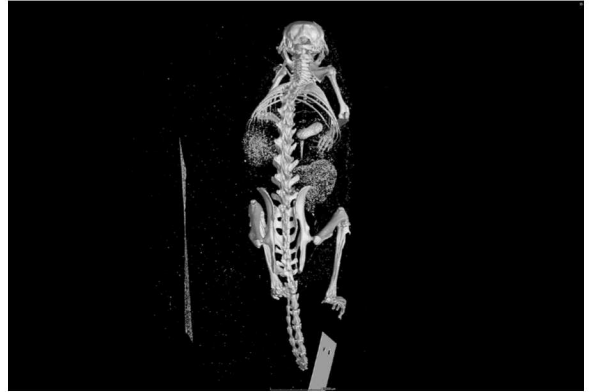
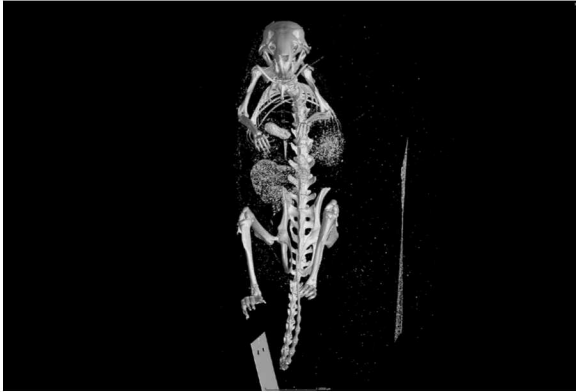
MSB 130140: *Zygodontomys brevicauda*

Body: 70 μ m resolution



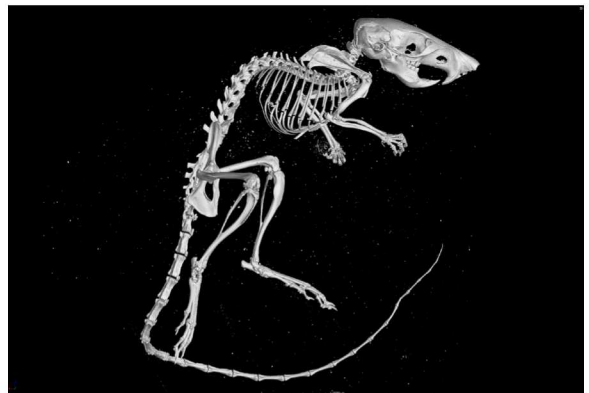
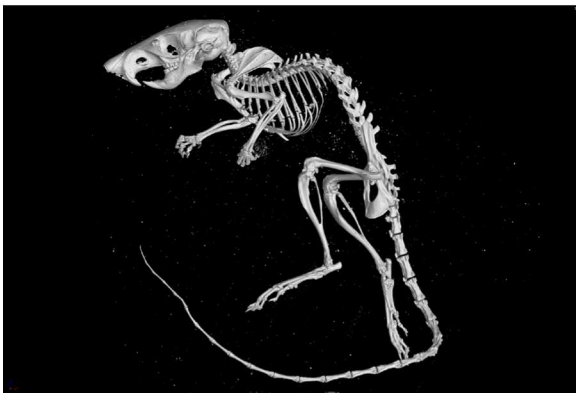
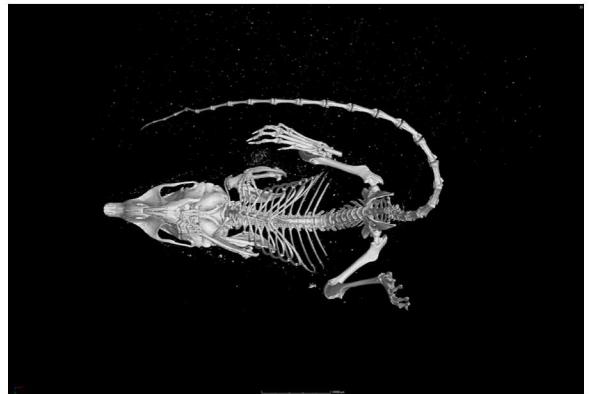
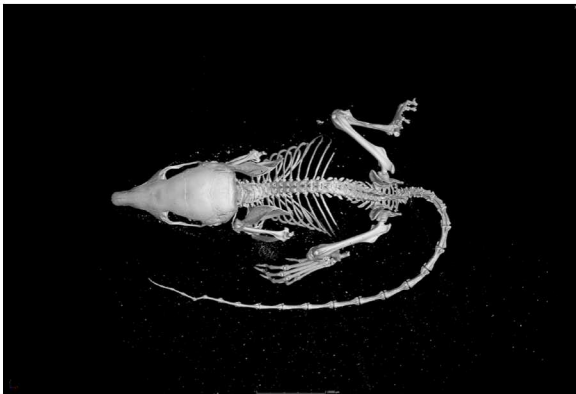
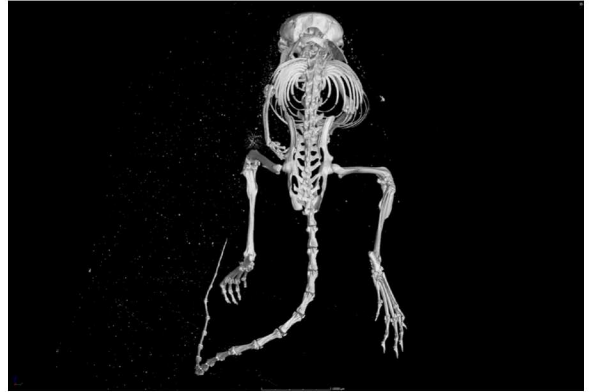
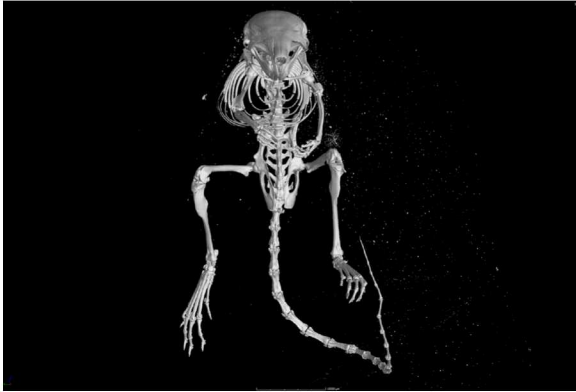
MSB 130141: *Zygodontomys brevicauda*

Body: 70 μ m resolution



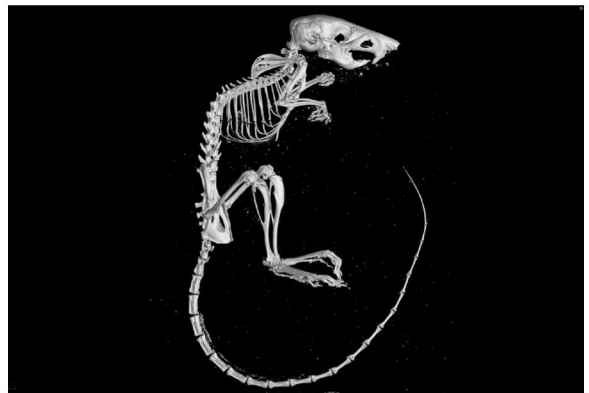
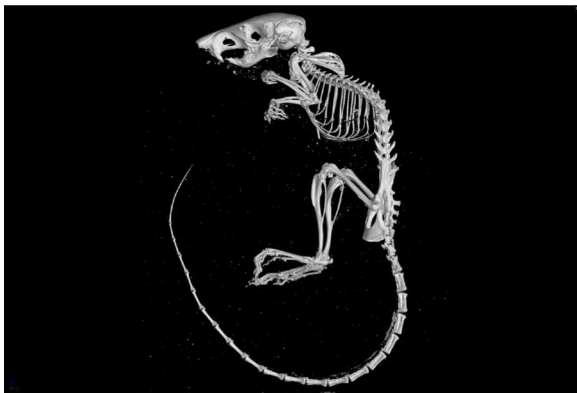
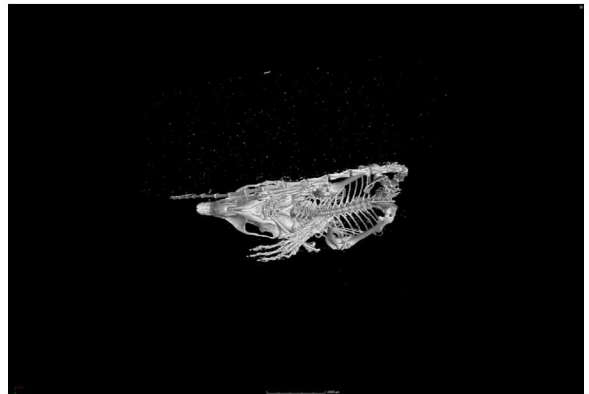
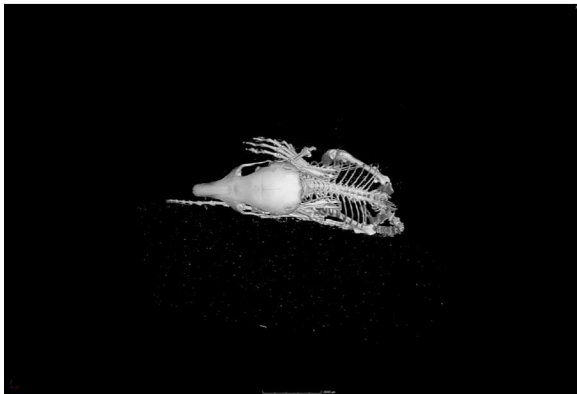
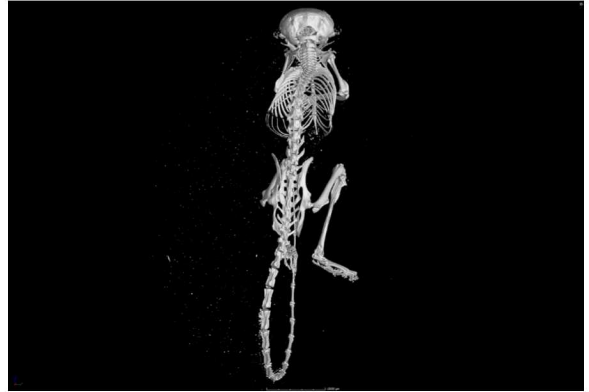
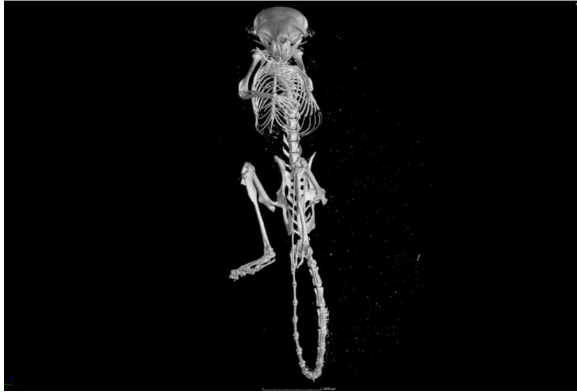
MSB 47483: *Chaetodipus californicus*

Body: 50 μ m resolution



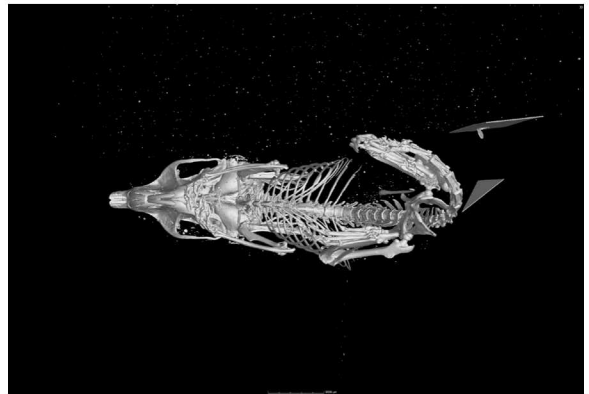
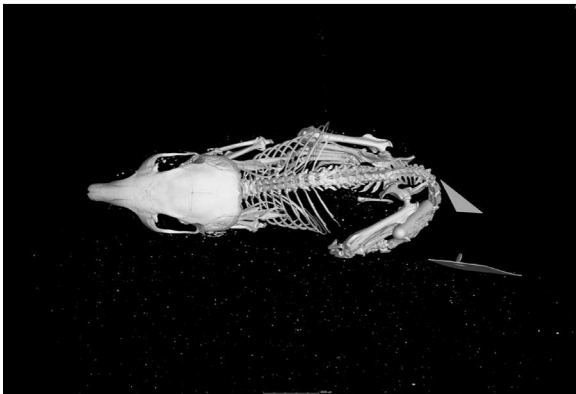
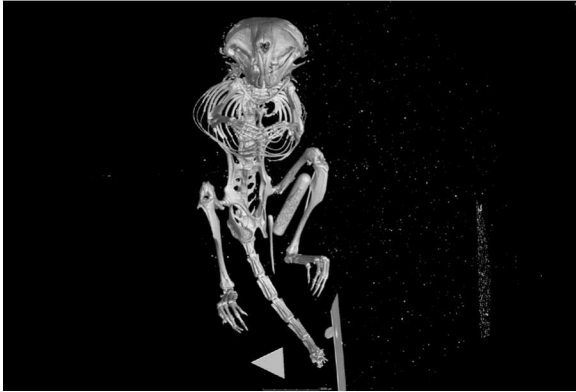
MSB 47484: *Chaetodipus californicus*

Body: 50 μ m resolution



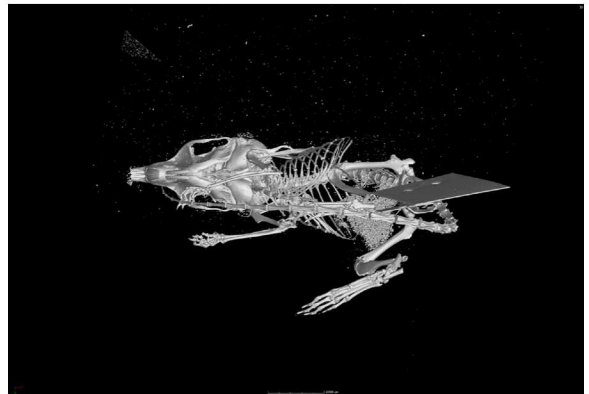
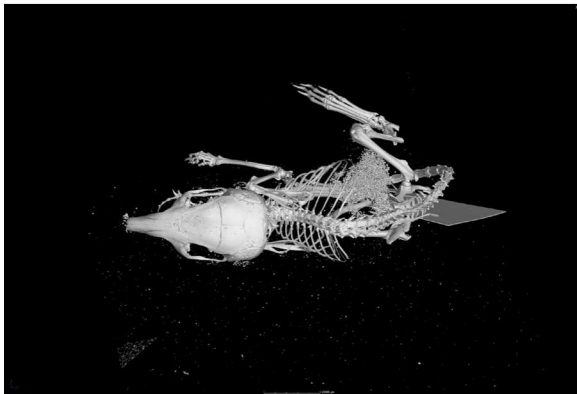
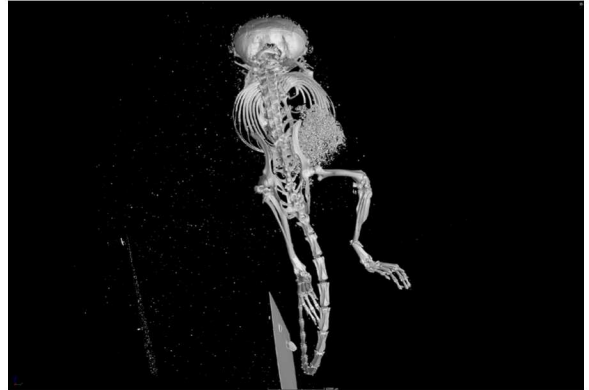
MSB 301831: *Chaetodipus eremicus*

Body: 45 μ m resolution



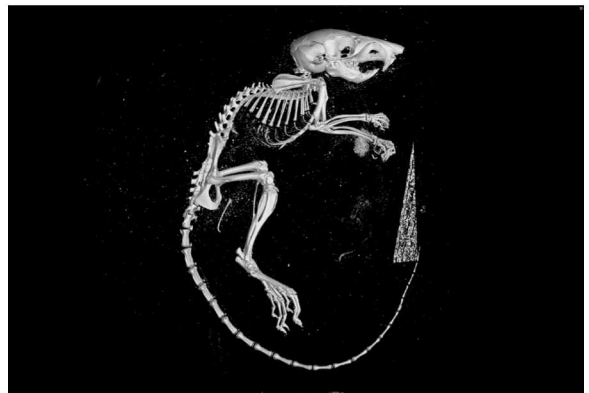
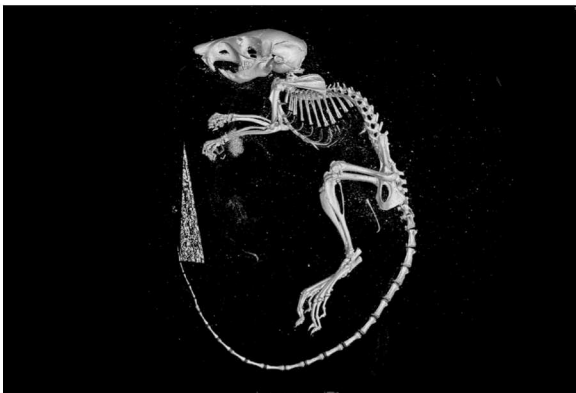
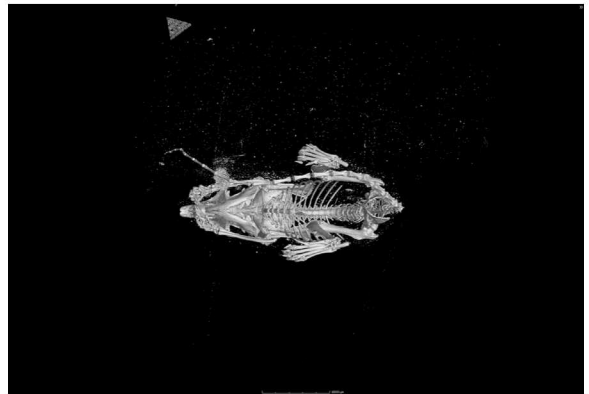
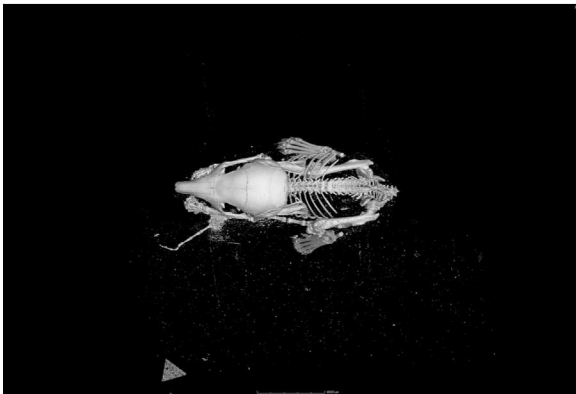
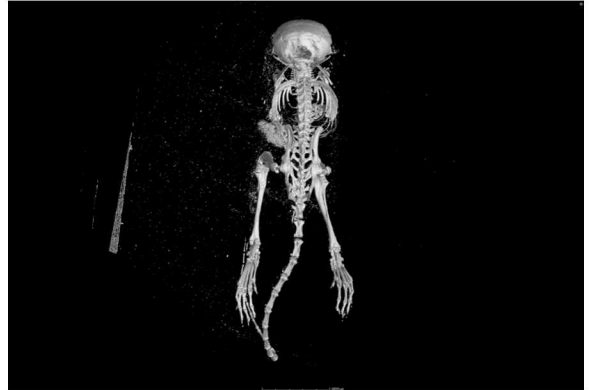
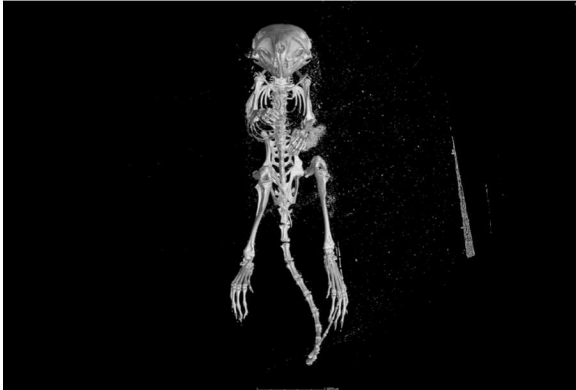
MSB 306140: *Chaetodipus eremicus*

Body: 45 μ m resolution



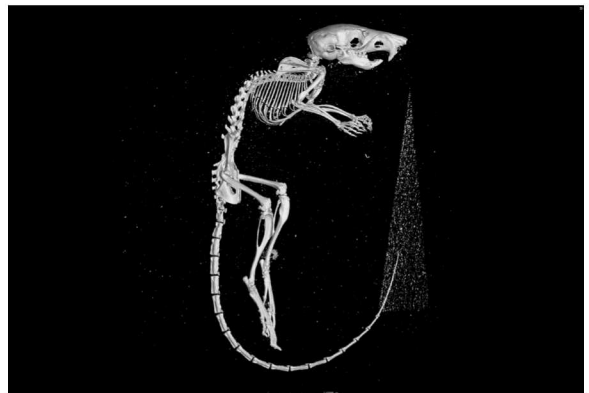
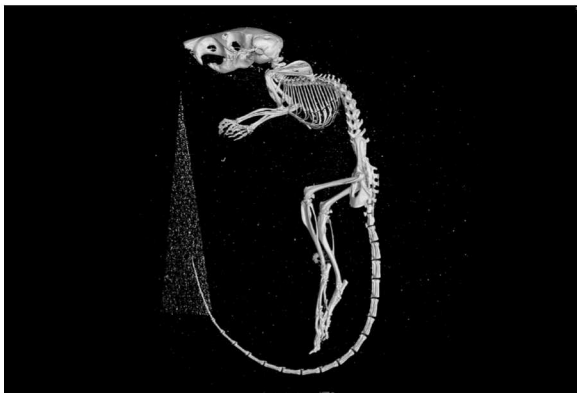
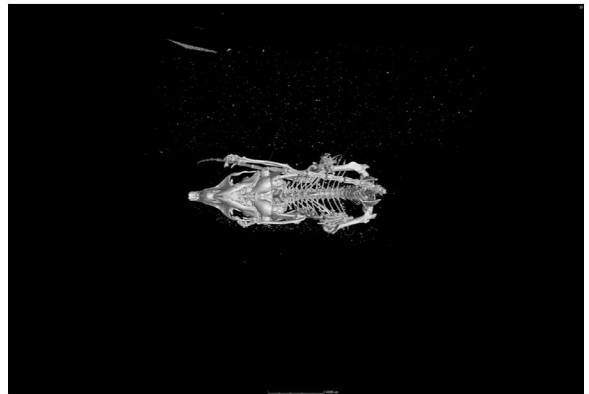
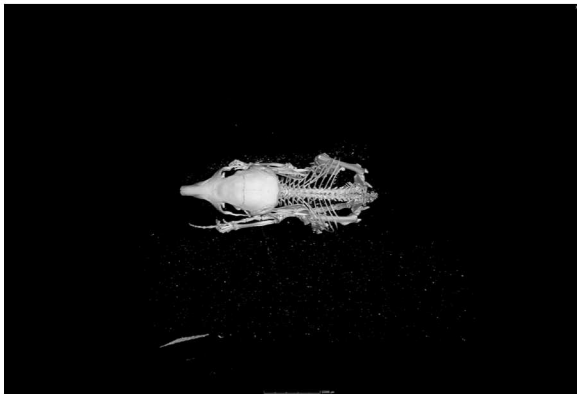
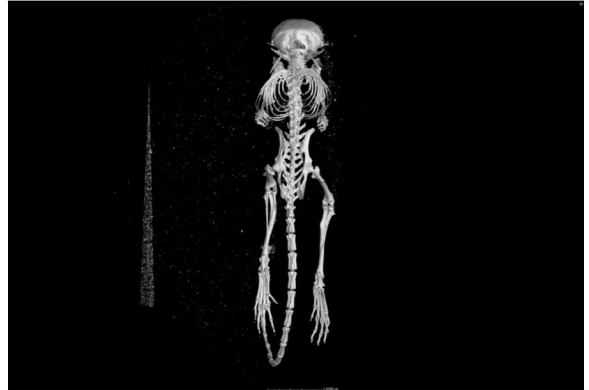
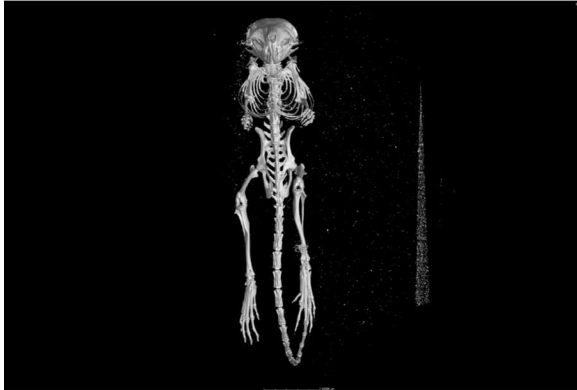
MSB 47486: *Chaetodipus fallax fallax*

Body: 45 μ m resolution



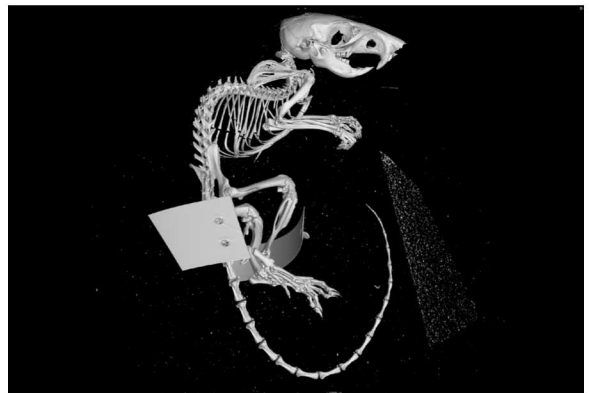
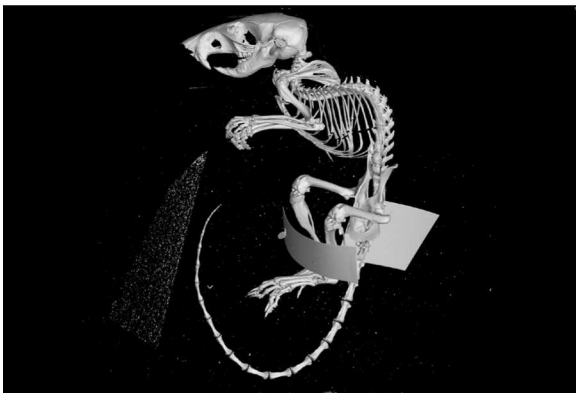
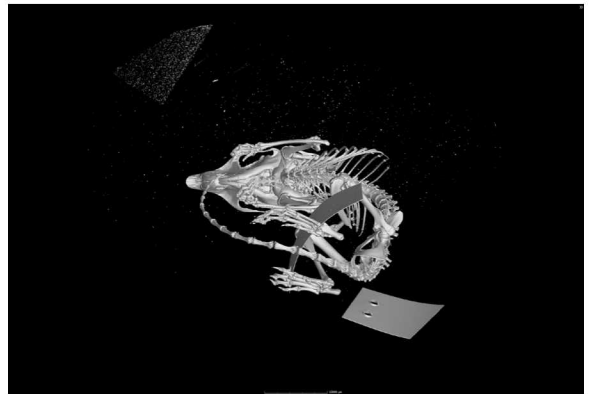
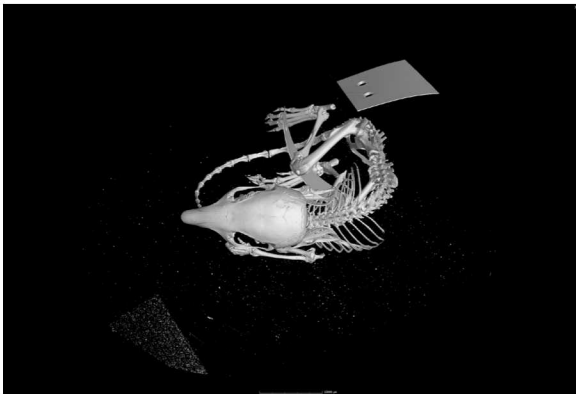
MSB 47487: *Chaetodipus fallax fallax*

Body: 50 μ m resolution



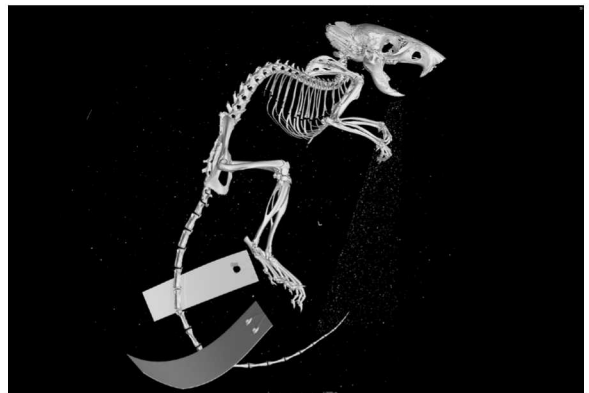
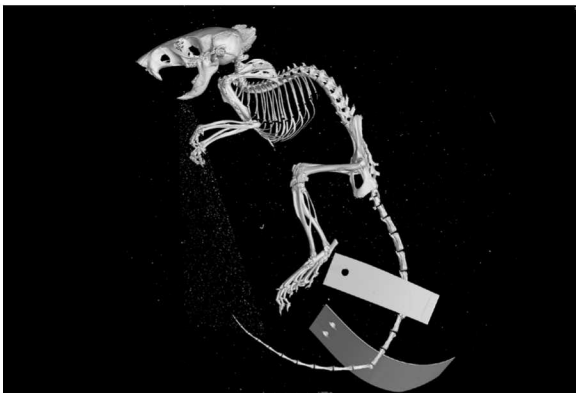
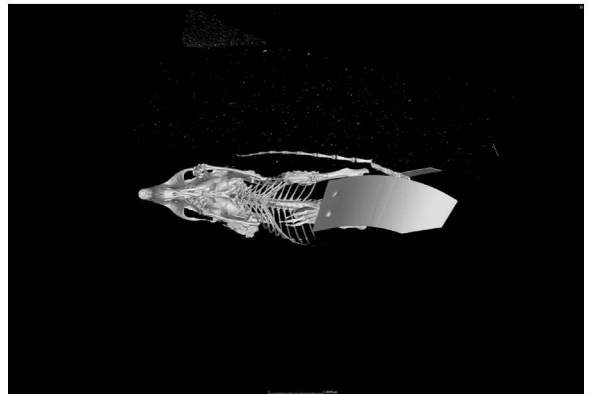
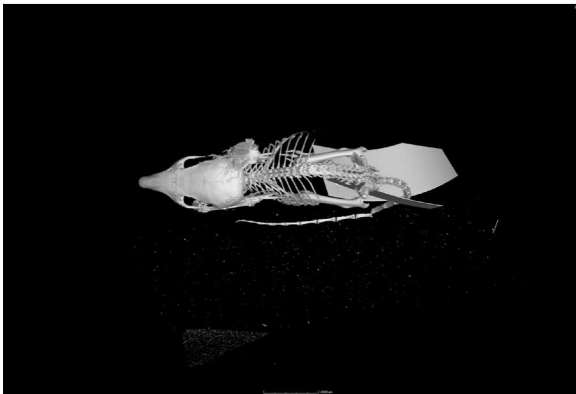
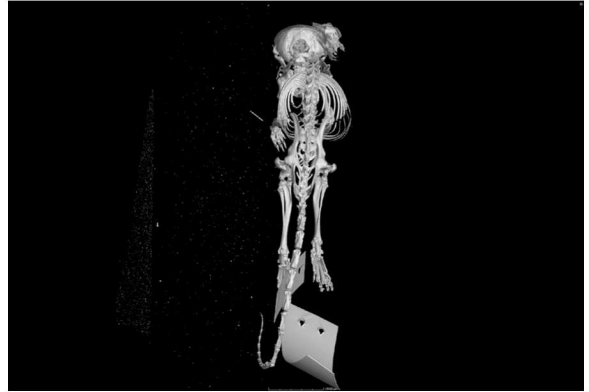
MSB 319648: *Chaetodipus hispidus*

Body: 50 μ m resolution



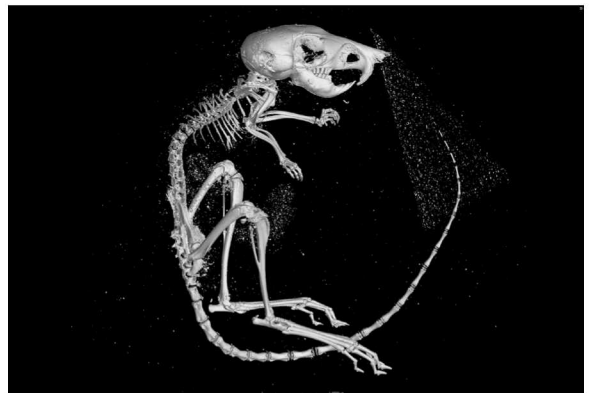
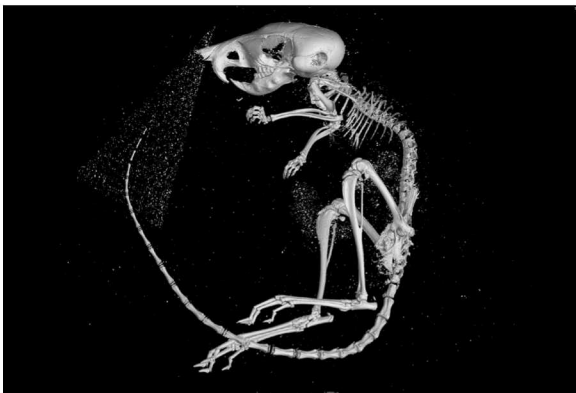
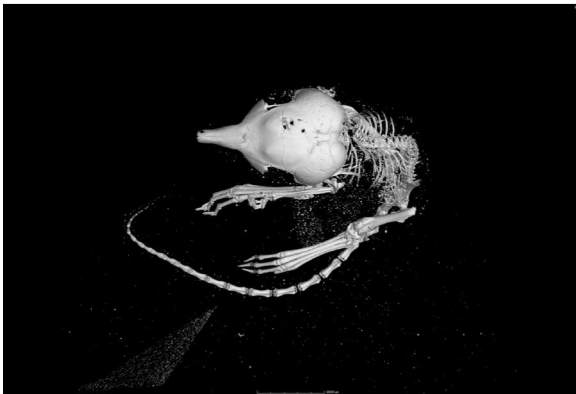
MSB 319659: *Chaetodipus hispidus*

Body: 50 μ m resolution



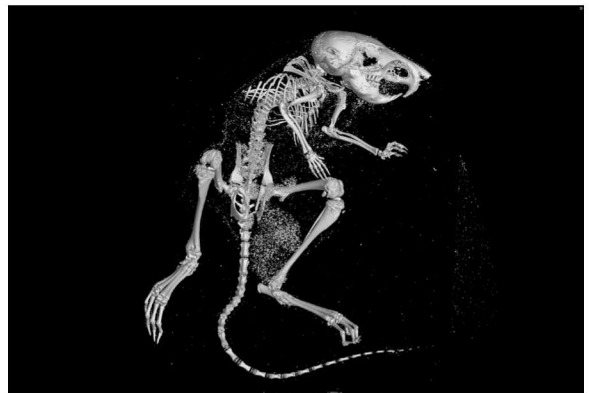
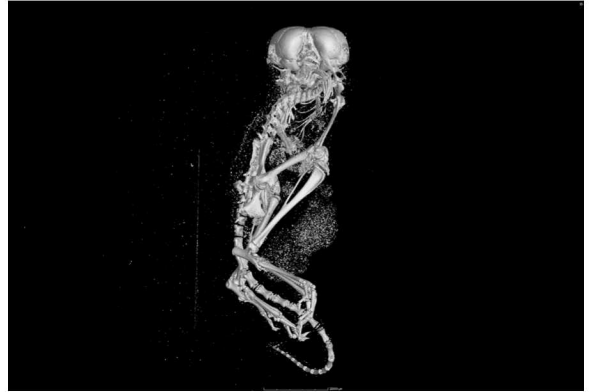
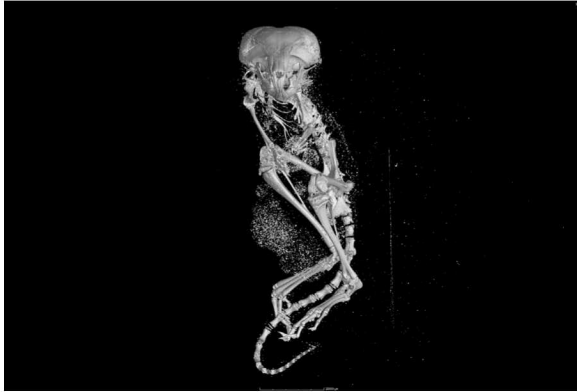
MSB 24227: *Dipodomys merriami*

Body: 55 μ m resolution



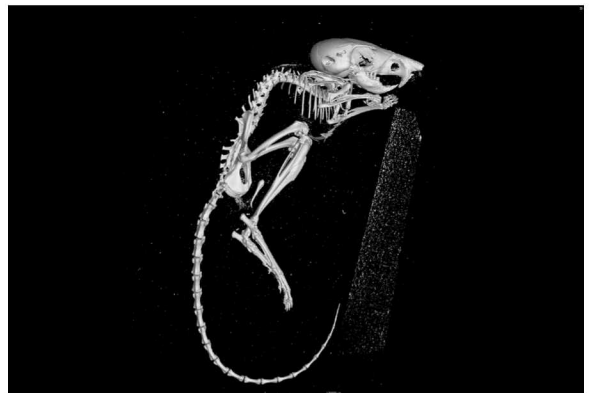
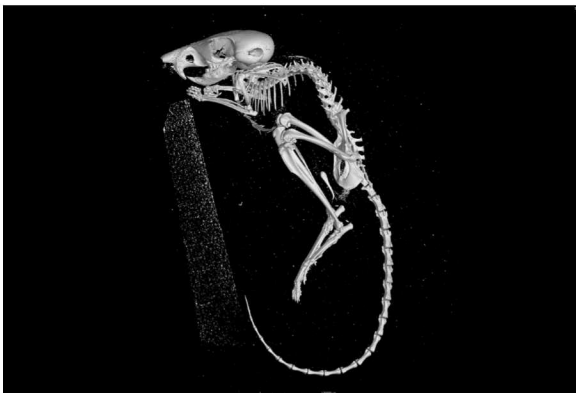
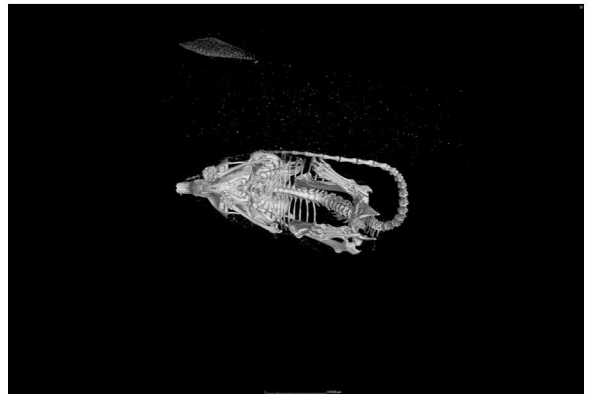
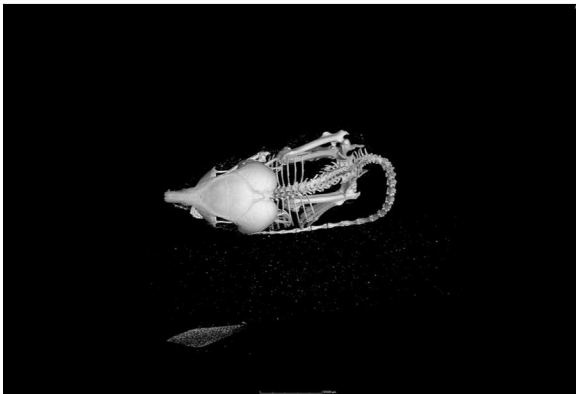
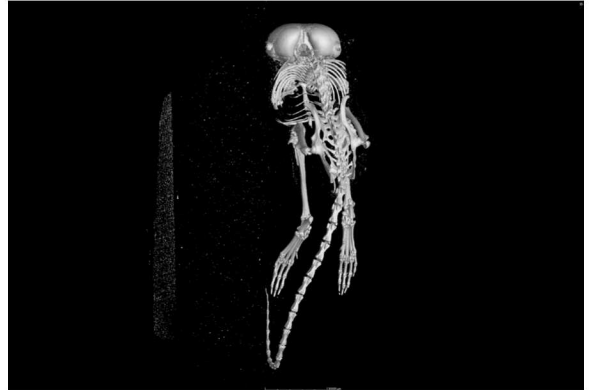
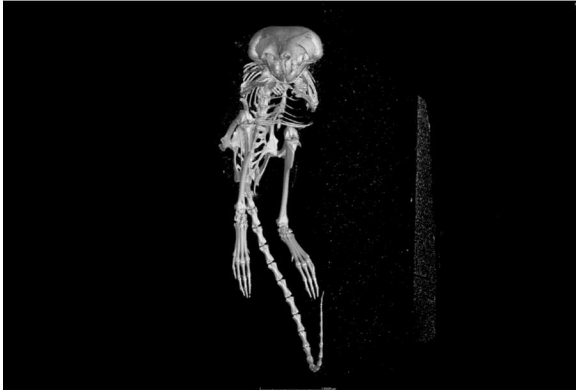
MSB 24891: *Dipodomys merriami*

Body: 70 μ m resolution



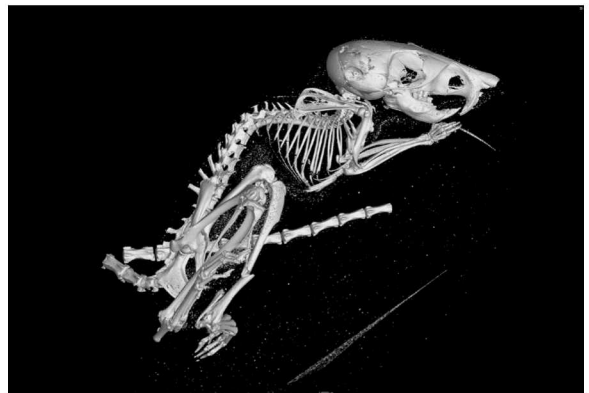
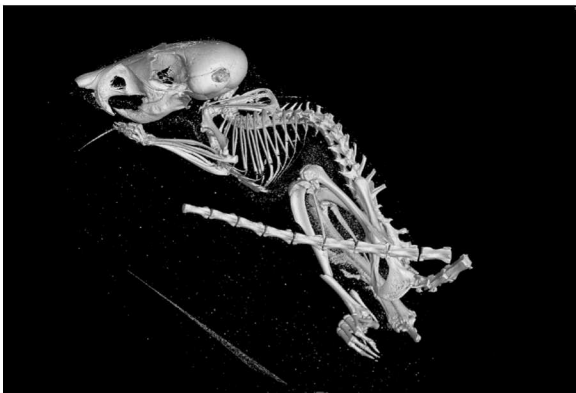
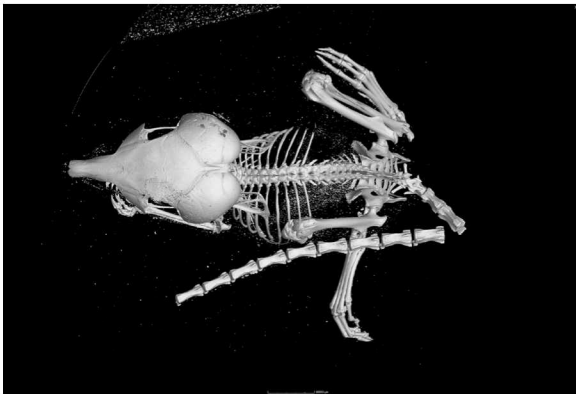
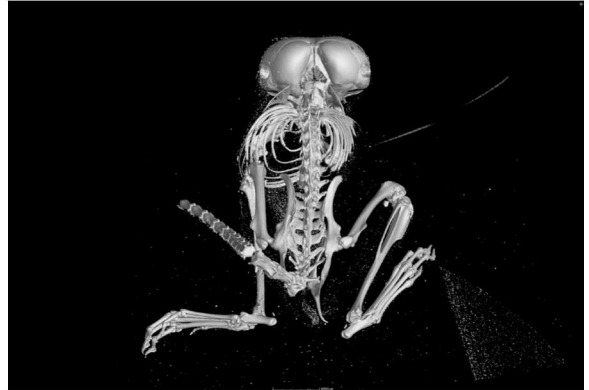
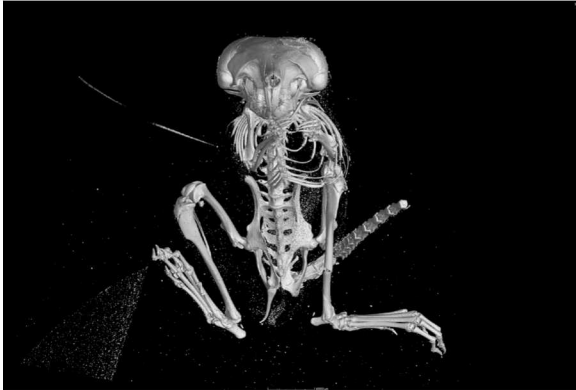
MSB 96414: *Dipodomys ordii*

Body: 60 μ m resolution



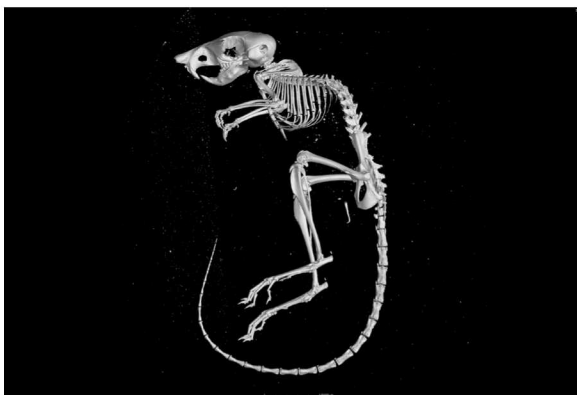
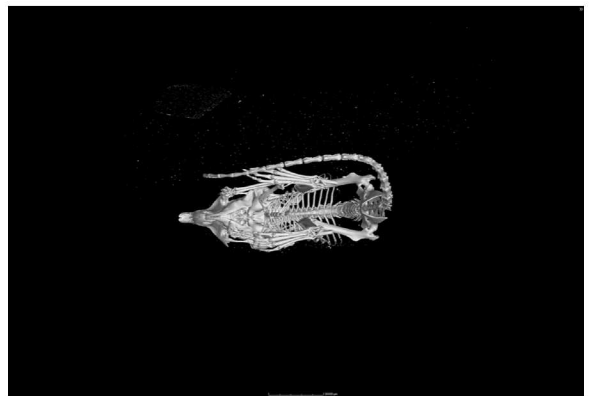
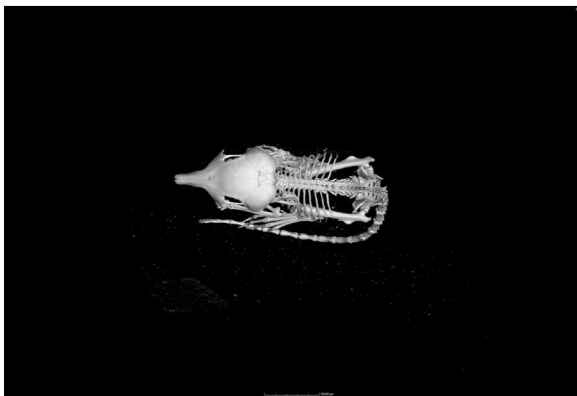
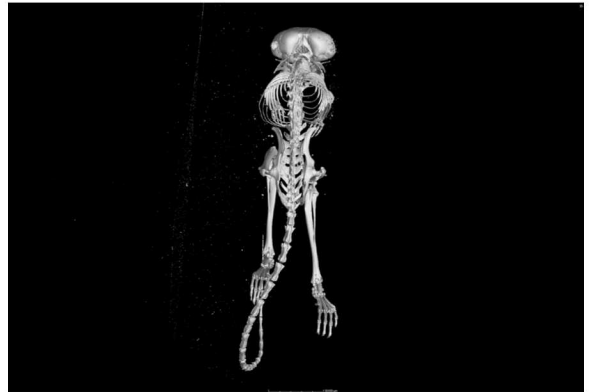
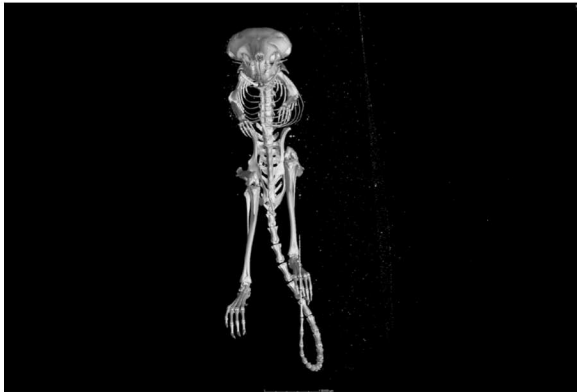
MSB 96415: *Dipodomys ordii*

Body: 60 μ m resolution



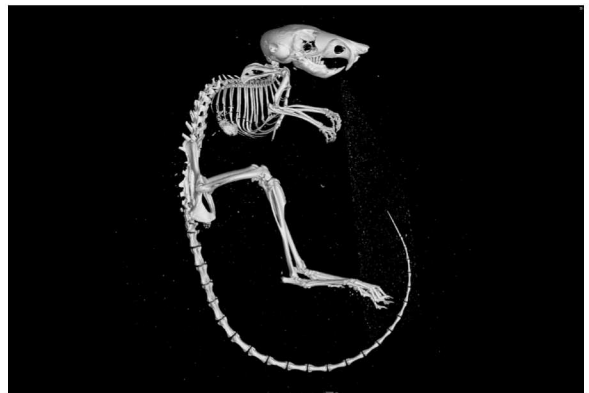
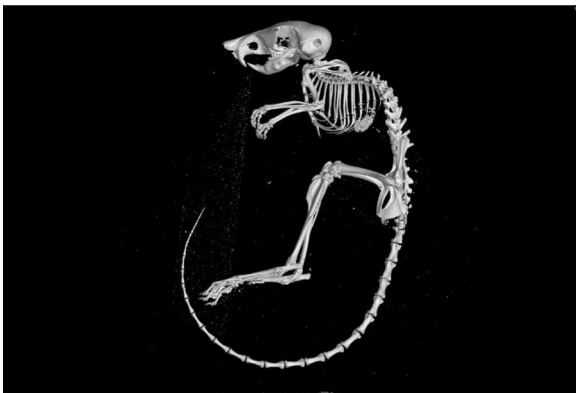
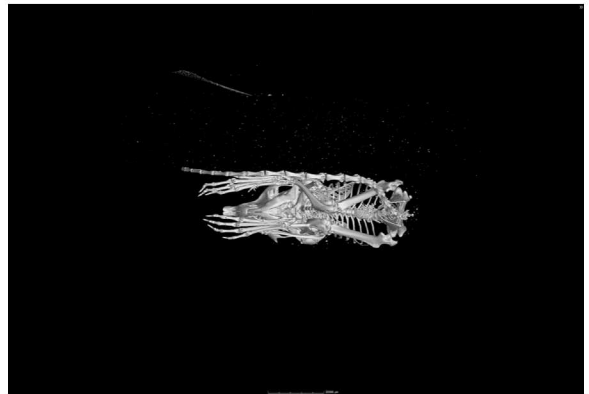
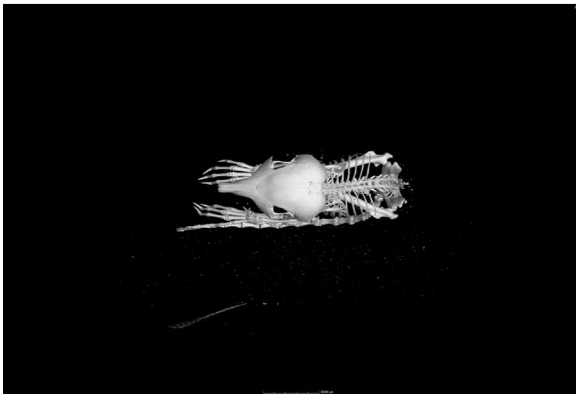
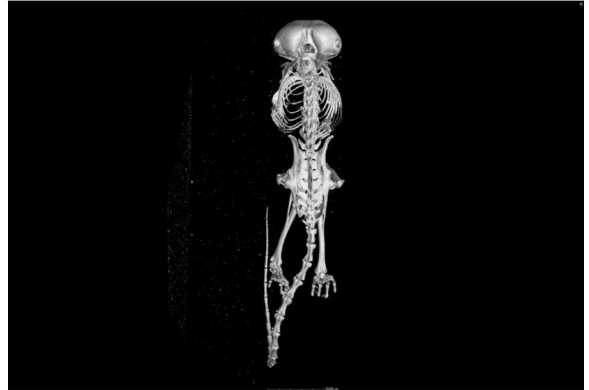
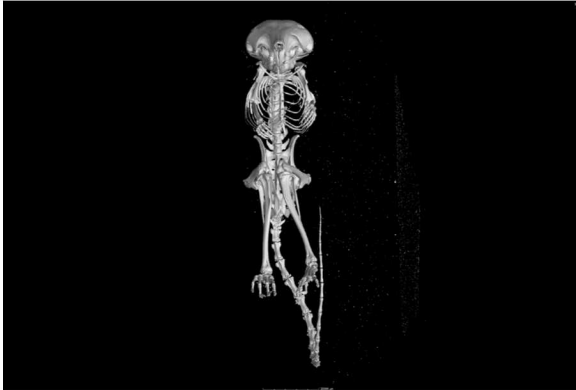
MSB 40543: *Dipodomys panamintinus mohavensis*

Body: 70 μ m resolution



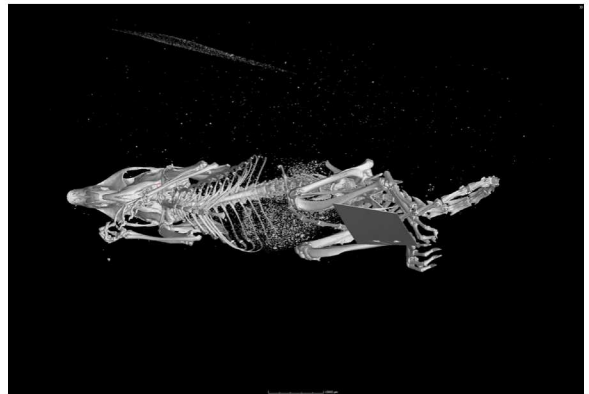
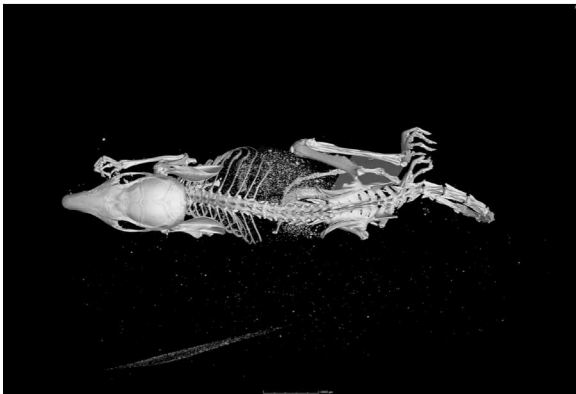
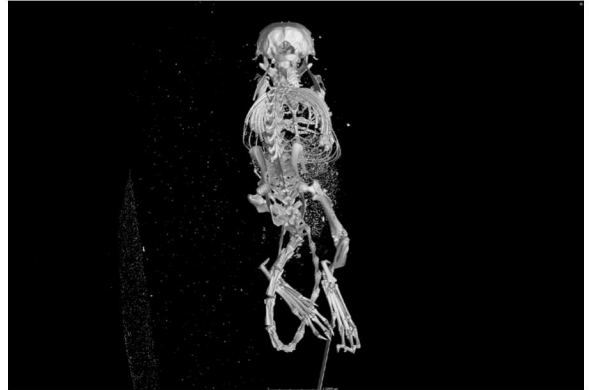
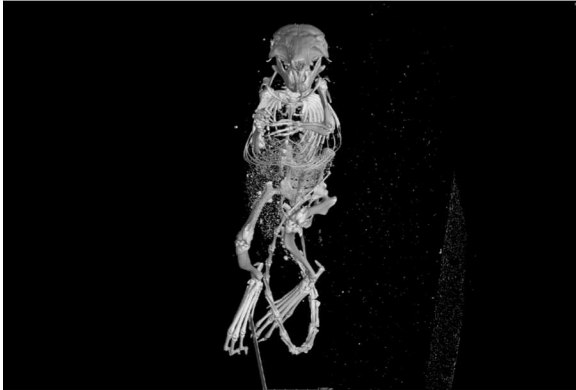
MSB 40545: *Dipodomys panamintinus mohavensis*

Body: 70 μ m resolution



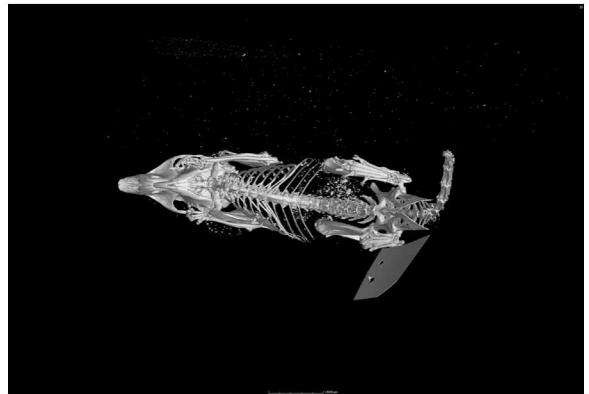
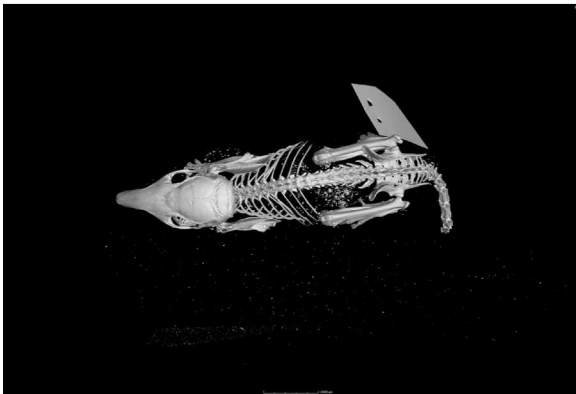
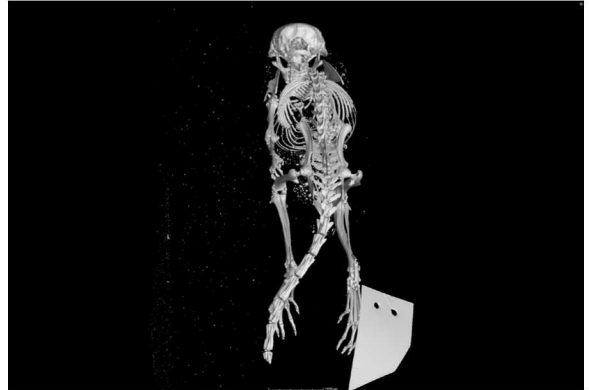
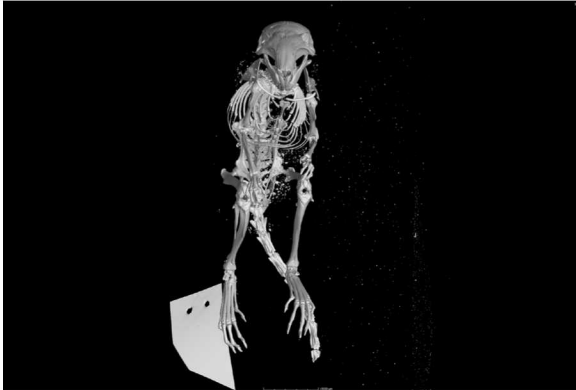
MSB 328173: *Heteromys australis*

Body: 70 μ m resolution



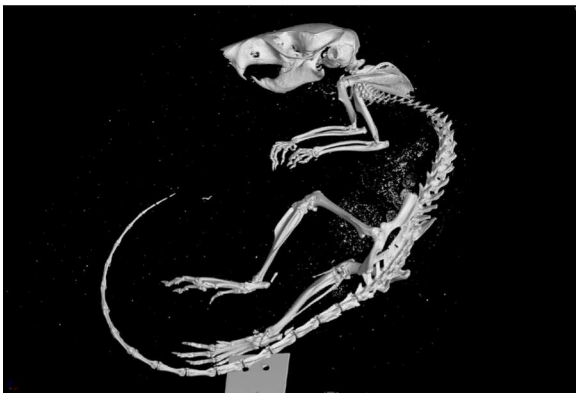
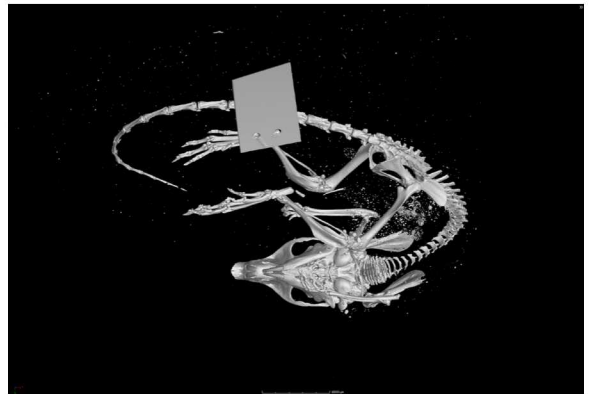
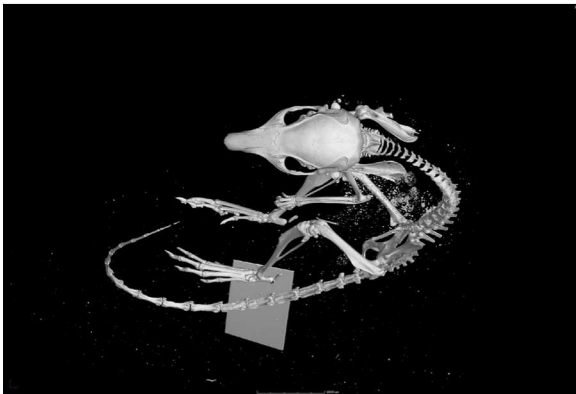
MSB 328195: *Heteromys australis*

Body: 70 μ m resolution



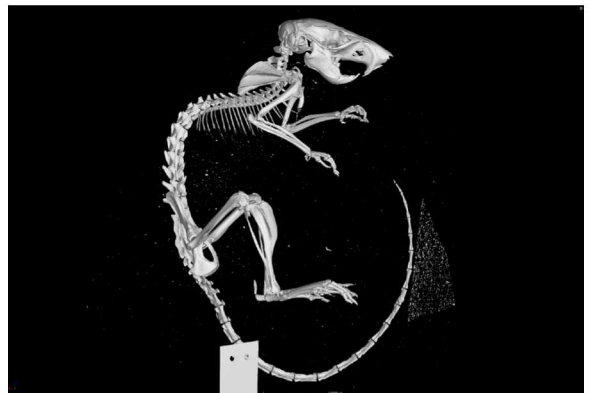
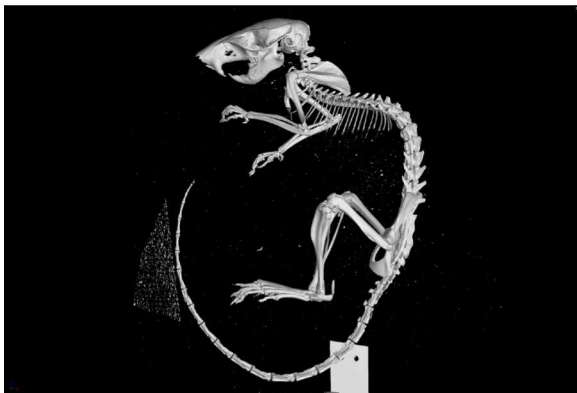
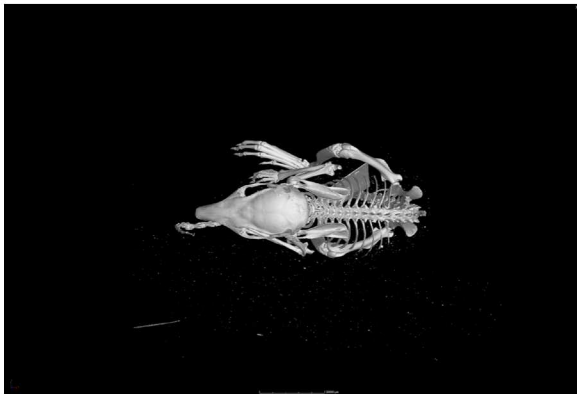
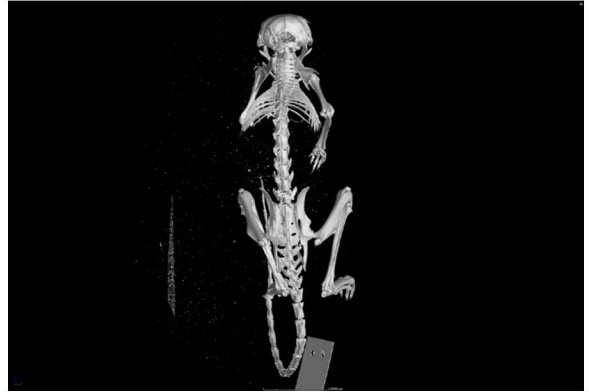
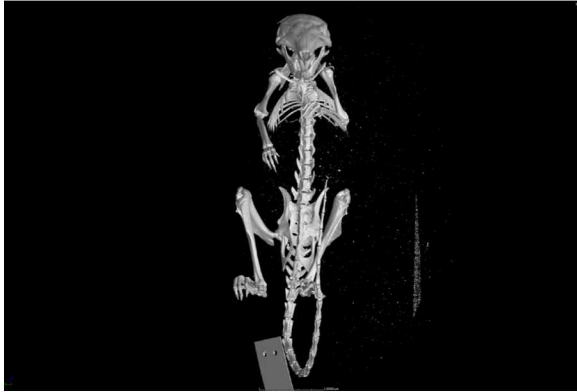
MSB 130171: *Heteromys desmarestianus*

Body: 60 μ m resolution



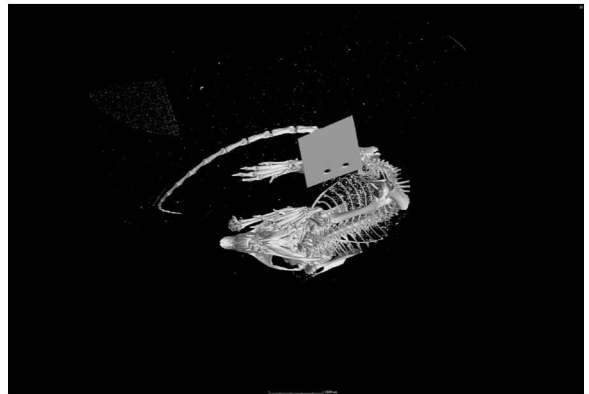
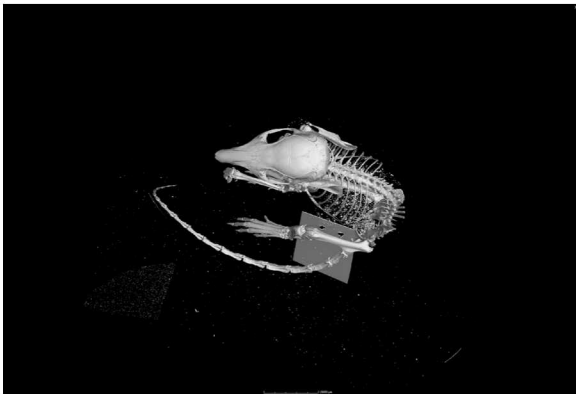
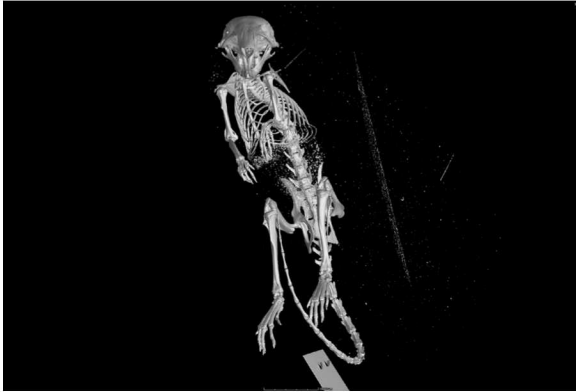
MSB 263746: *Heteromys desmarestianus*

Body: 60 μ m resolution



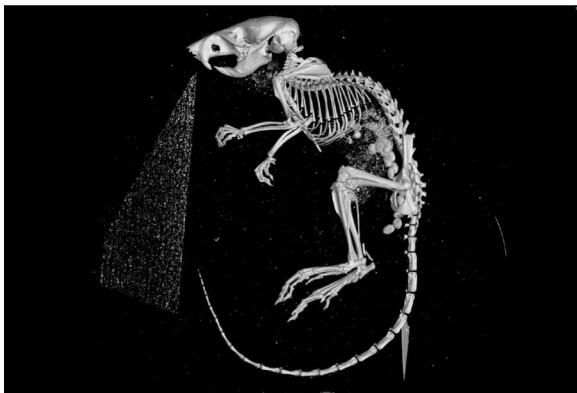
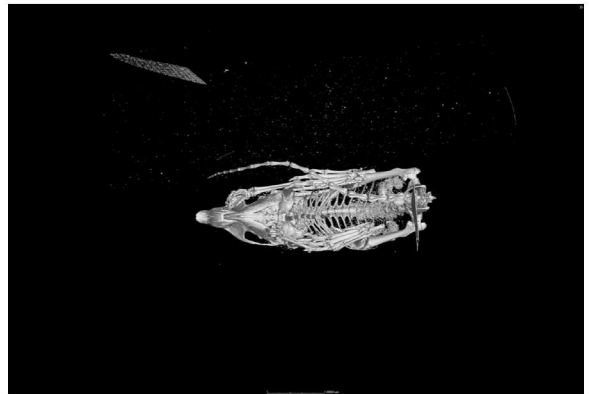
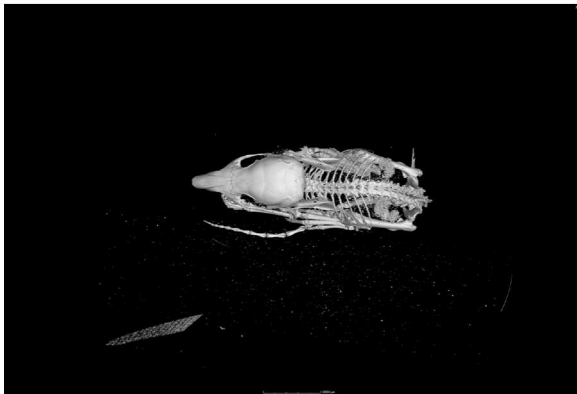
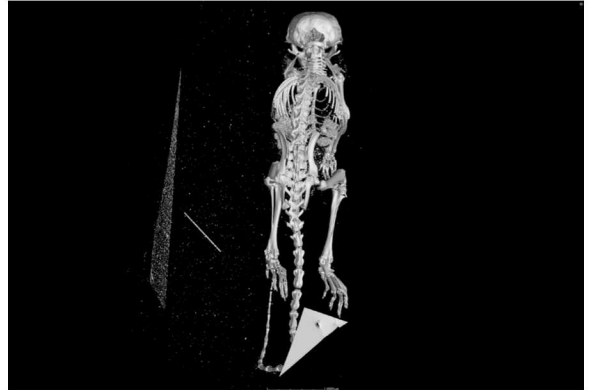
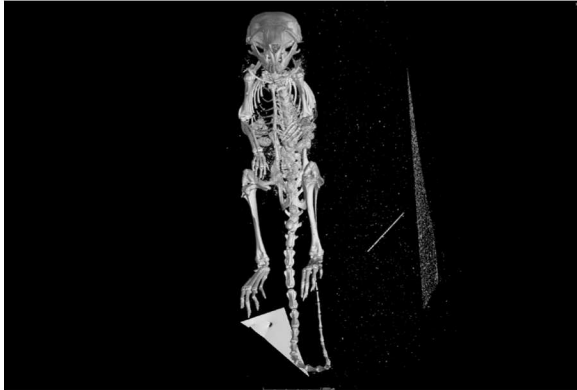
MSB 298852: *Liomys adspersus*

Body: 55 μ m resolution



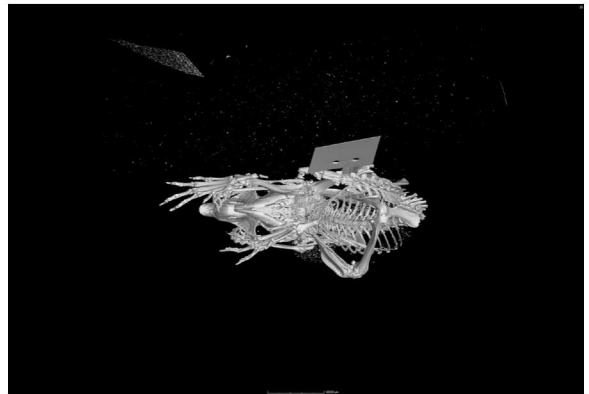
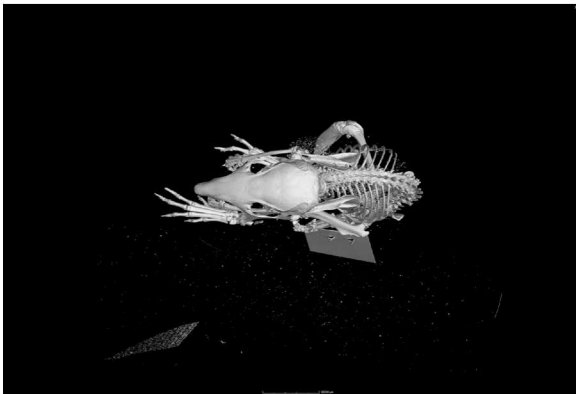
MSB 298853: *Liomys adspersus*

Body: 55 μ m resolution



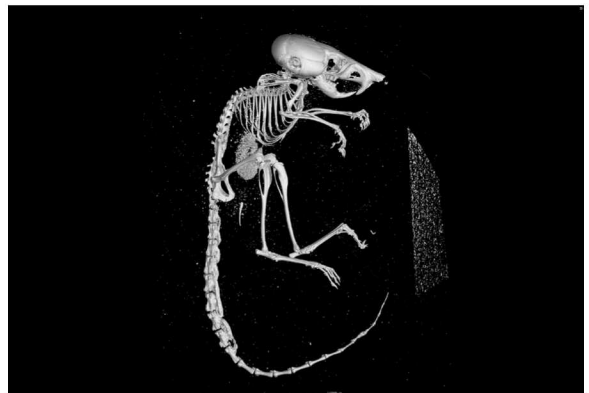
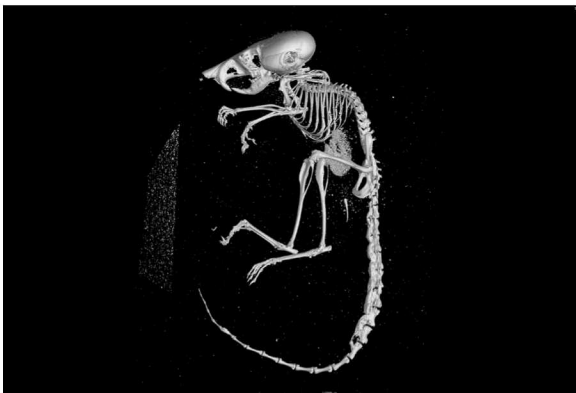
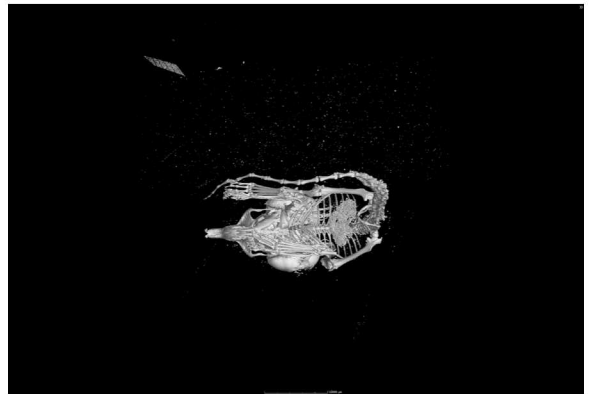
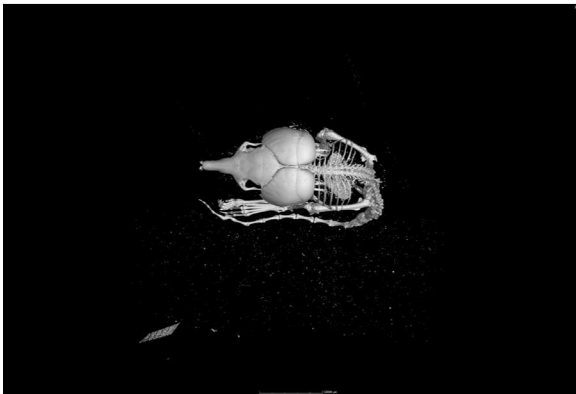
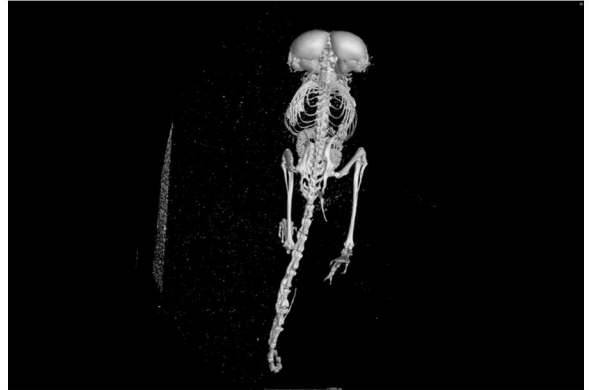
MSB 298854: *Liomys adspersus*

Body: 55 μ m resolution



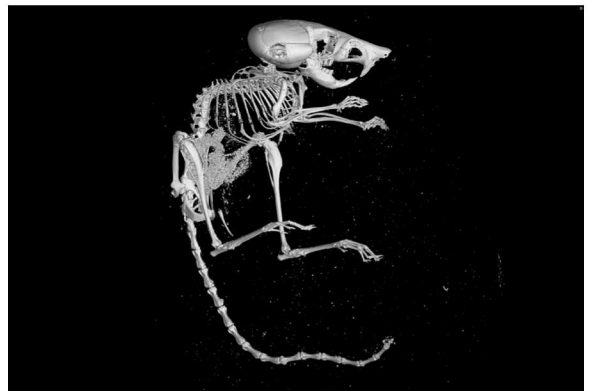
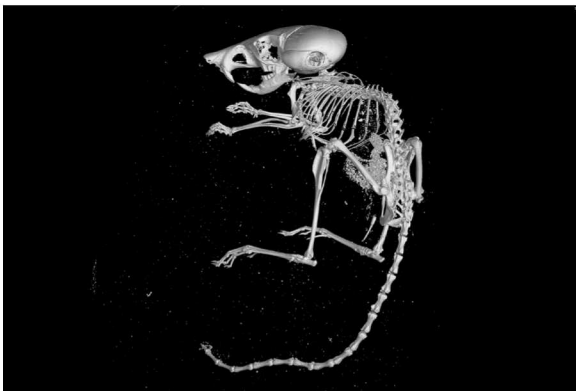
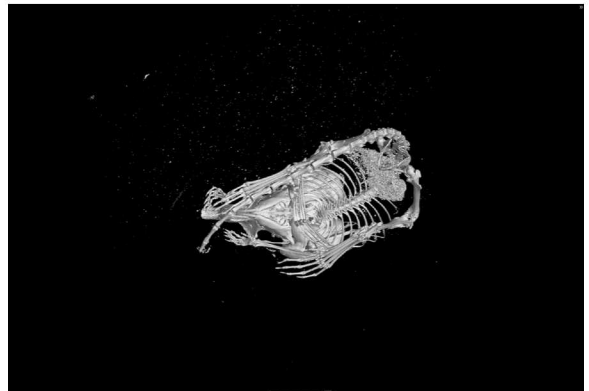
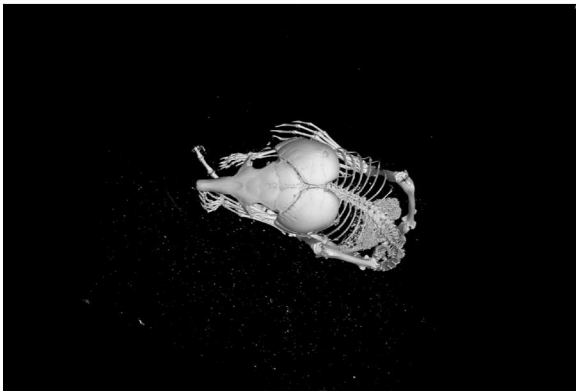
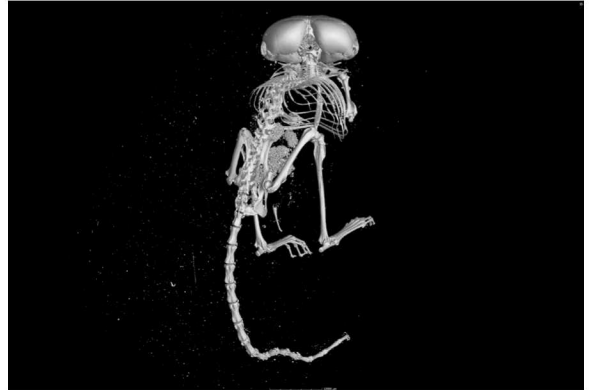
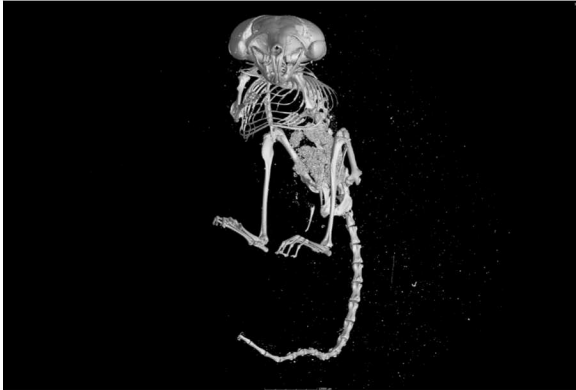
MSB 37746: *Microdipodops megacephalus*

Body: 45 μ m resolution



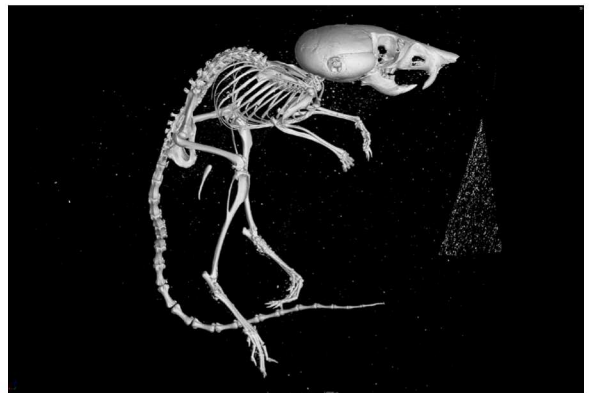
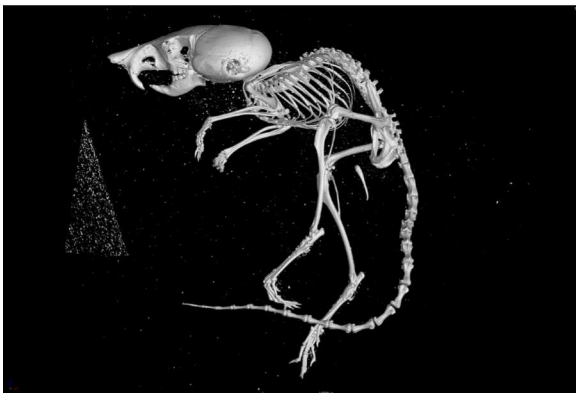
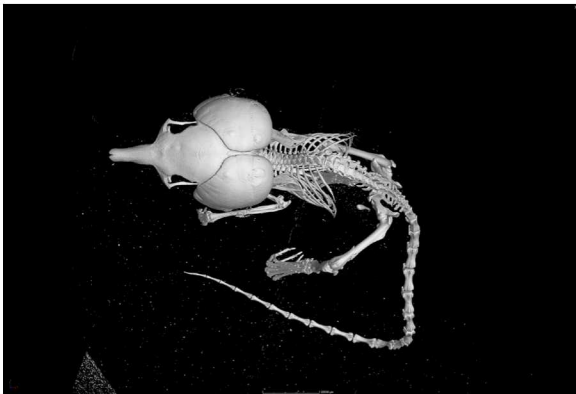
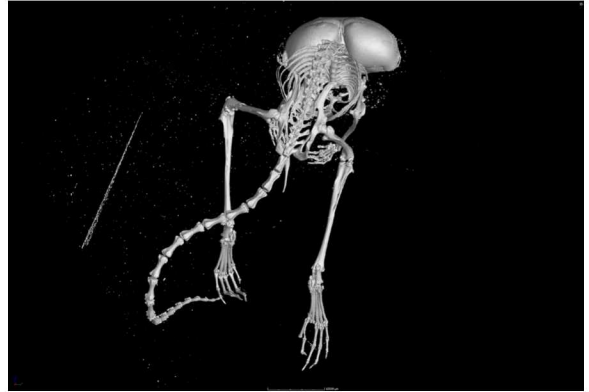
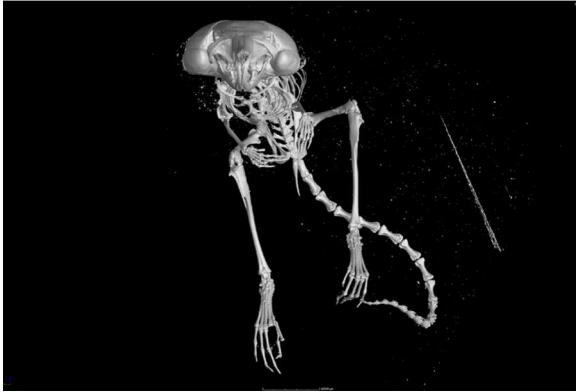
MSB 37747: *Microdipodops megacephalus*

Body: 40 μ m resolution



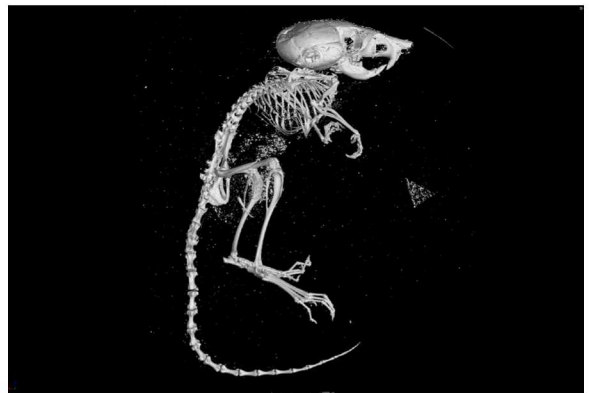
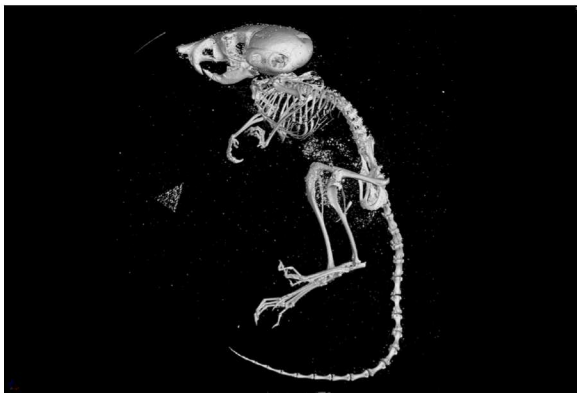
MSB 38182: *Microdipodops pallidus*

Body: 45 μ m resolution



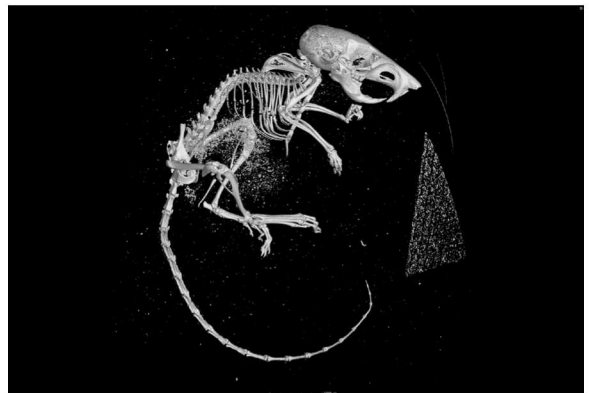
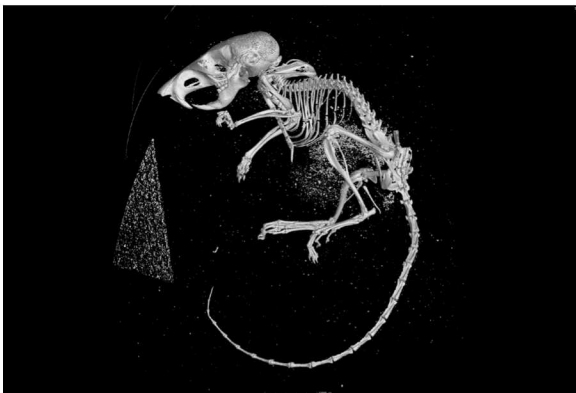
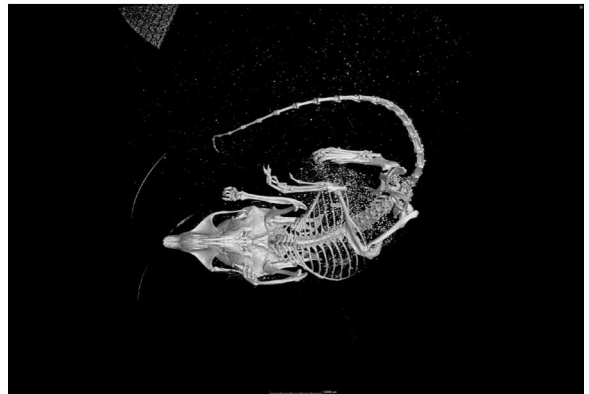
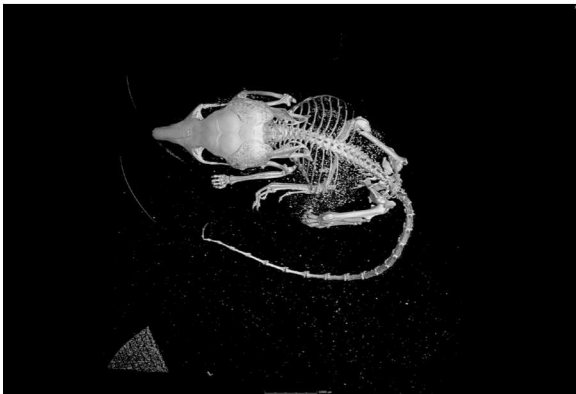
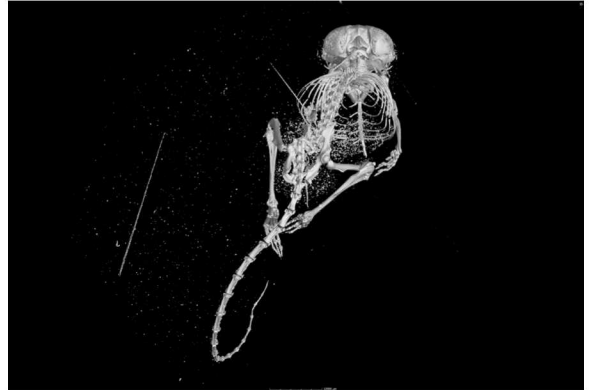
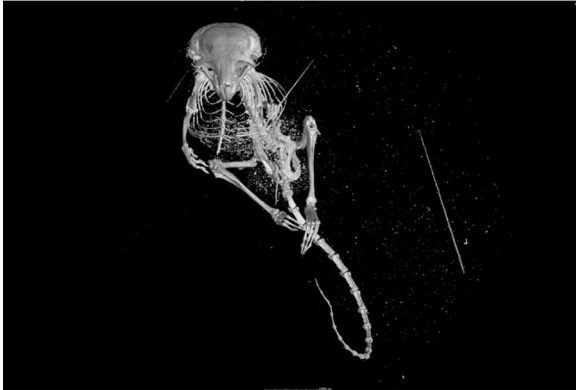
MSB 38183: *Microdipodops pallidus*

Body: 45 μ m resolution



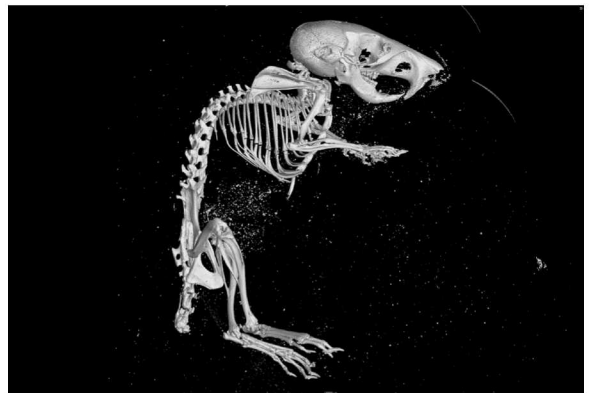
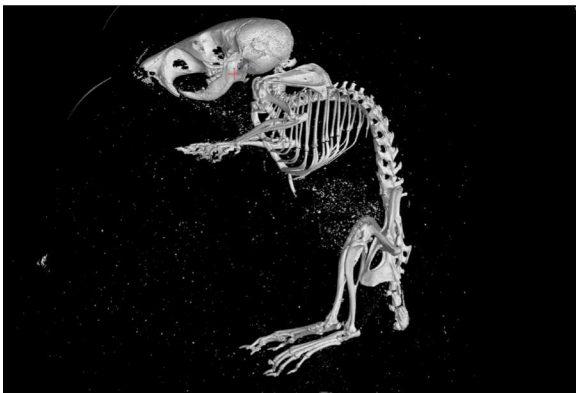
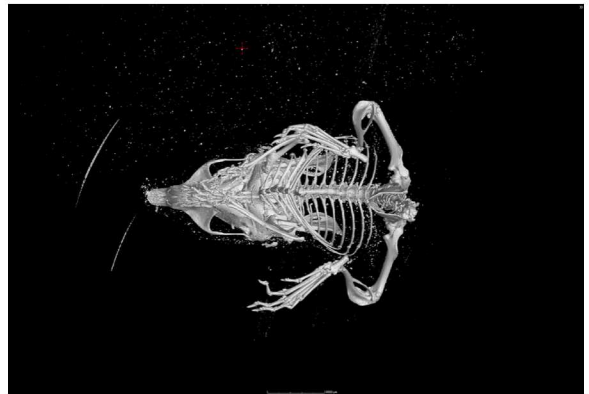
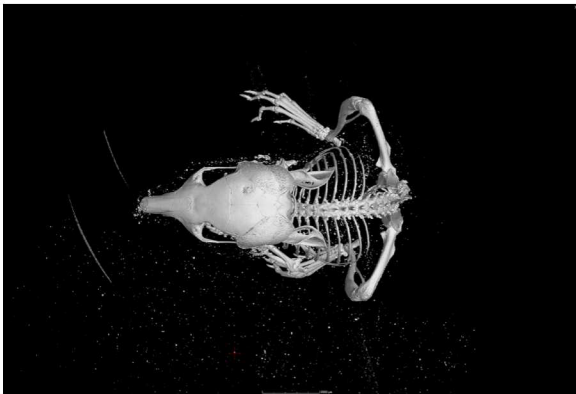
MSB 33134: *Perognathus amplus*

Body: 45 μ m resolution



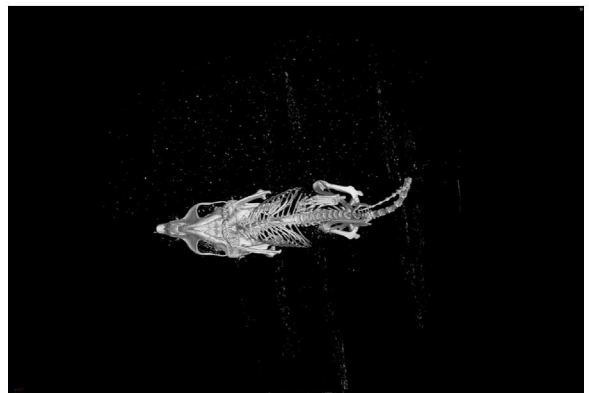
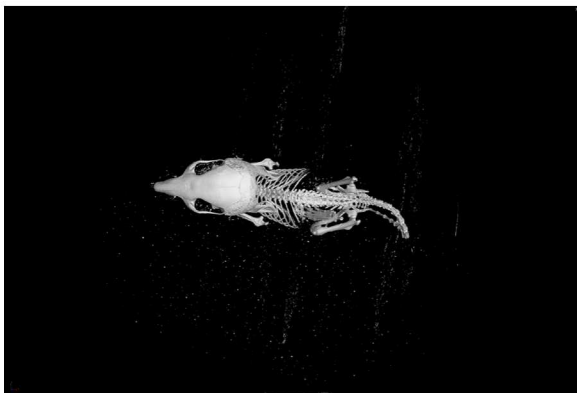
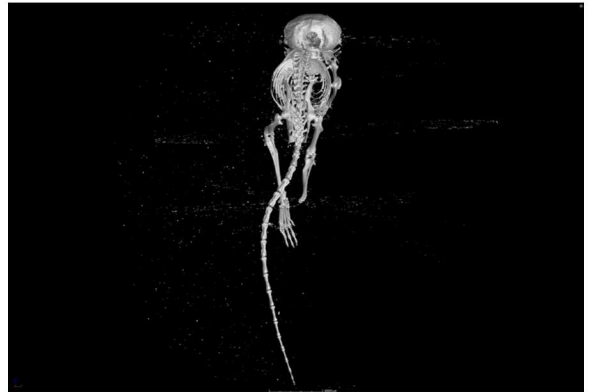
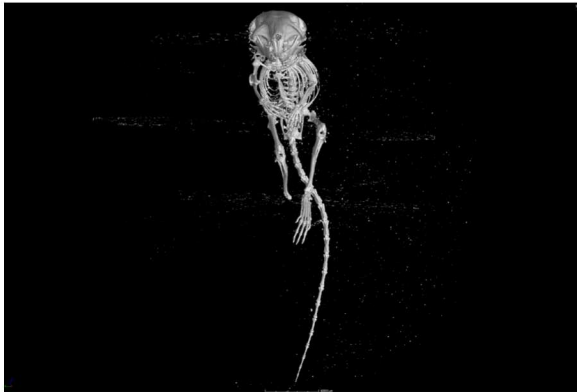
MSB 48110: *Perognathus flavescens*

Body: 40 μ m resolution



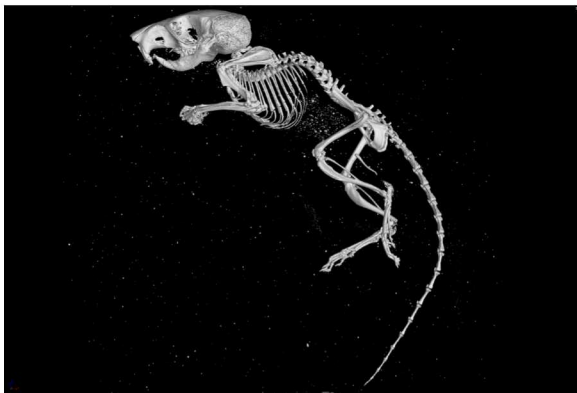
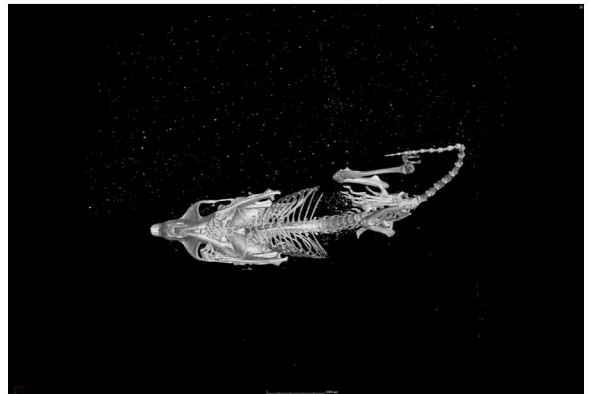
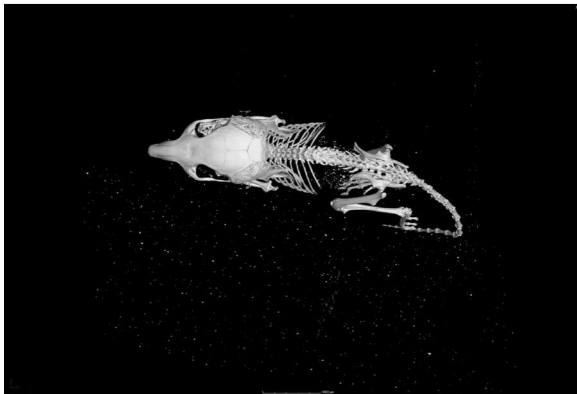
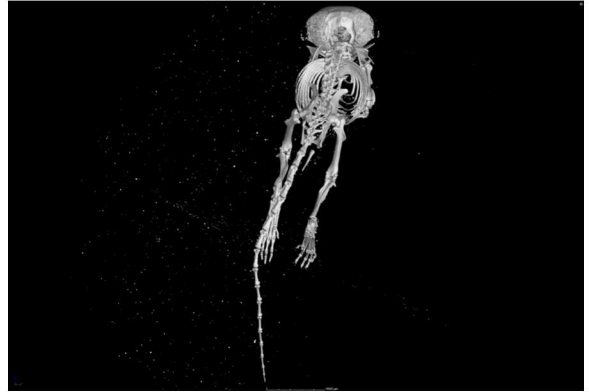
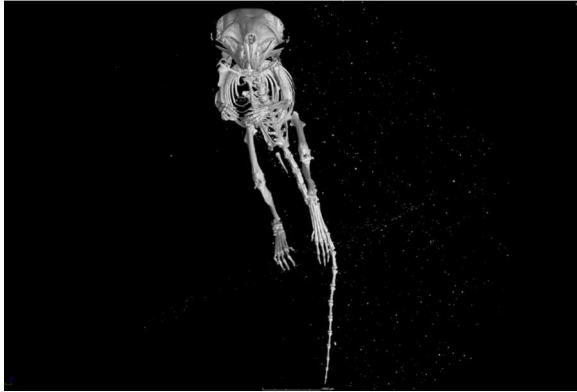
MSB 69243: *Perognathus flavescens*

Body: 45 μ m resolution



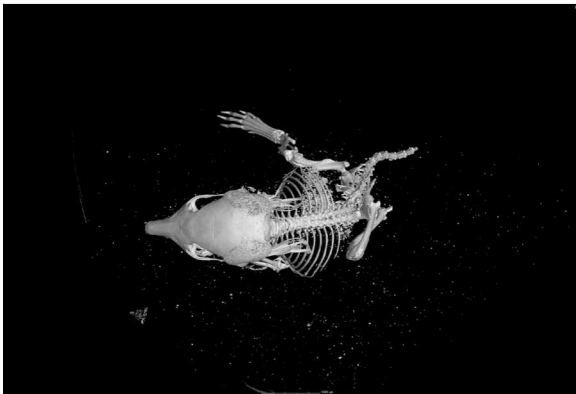
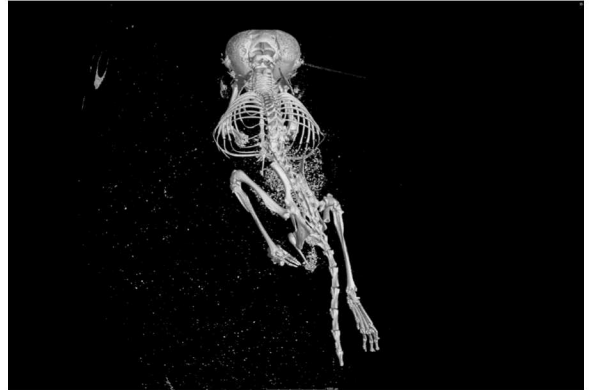
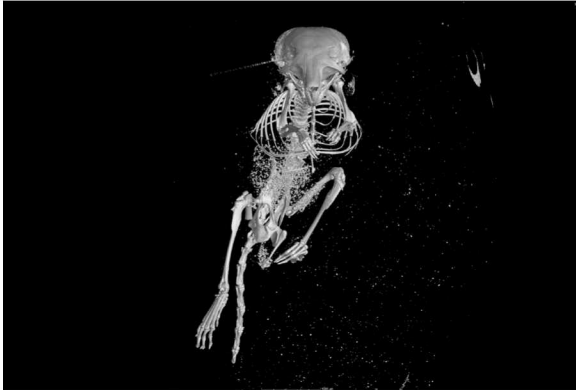
MSB 69244: *Perognathus flavescens*

Body: 45 μ m resolution



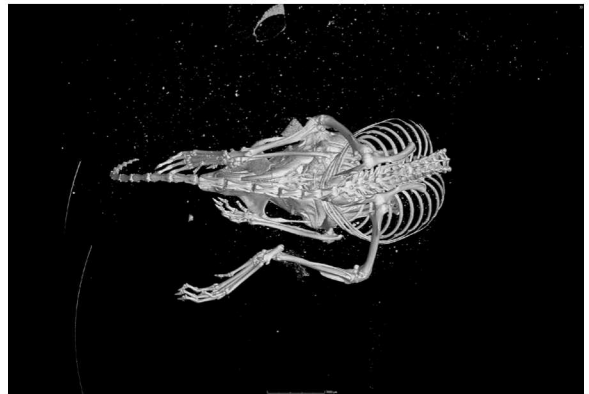
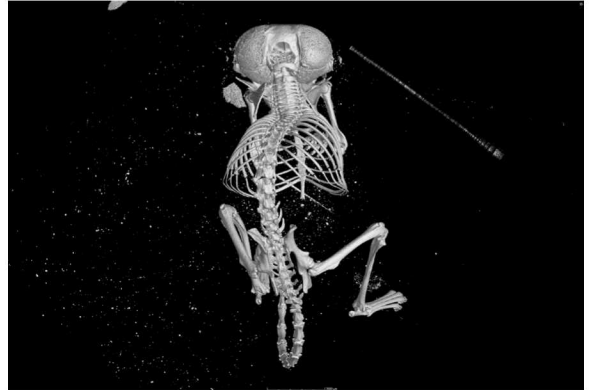
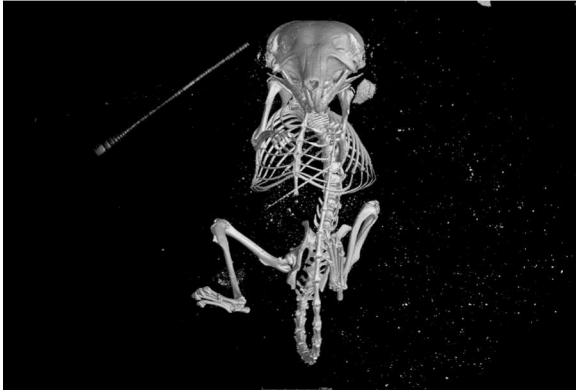
MSB 46832: *Perognathus flavescens coryi*

Body: 45 μ m resolution



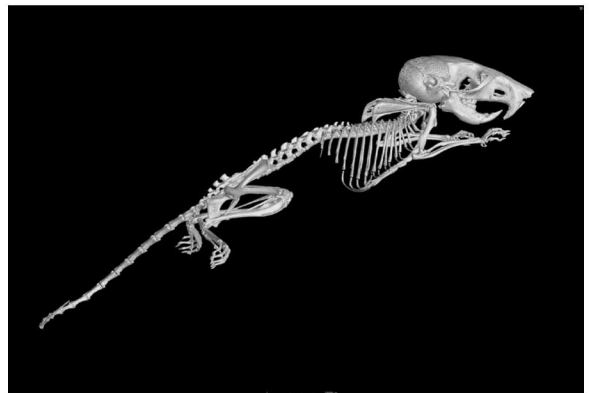
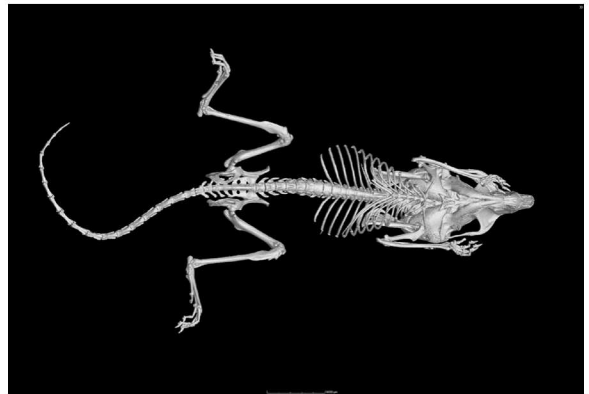
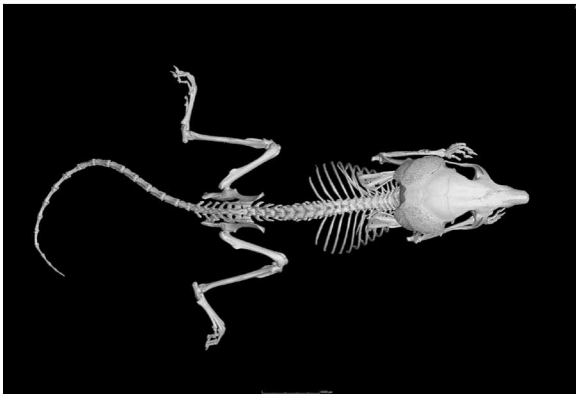
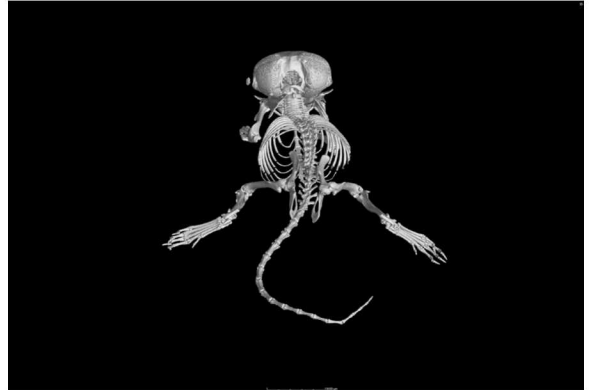
MSB 73028: *Perognathus flavus*

Body: 45 μ m resolution



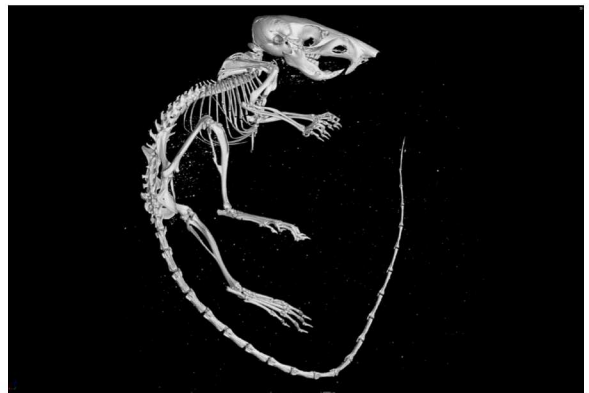
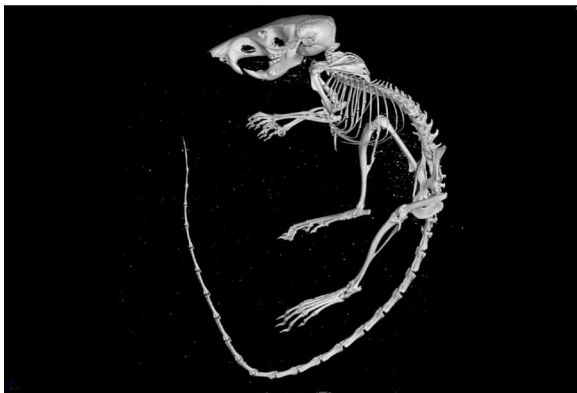
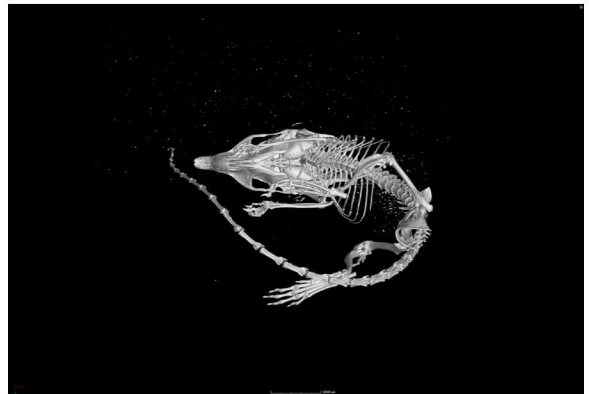
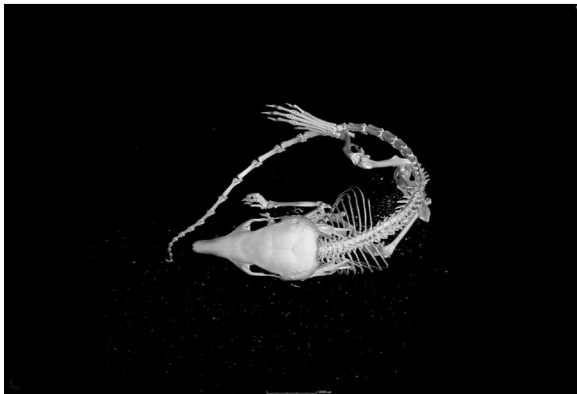
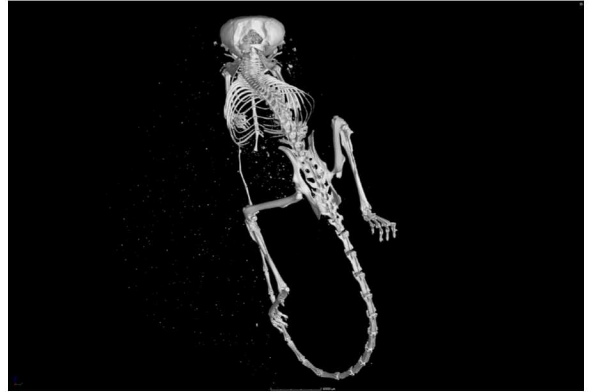
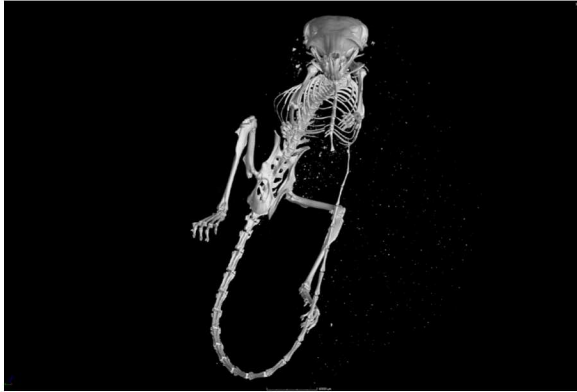
MSB 73029: *Perognathus flavus*

Body: 45 μ m resolution



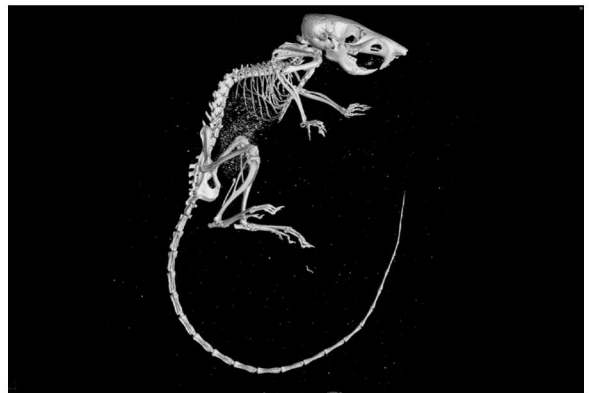
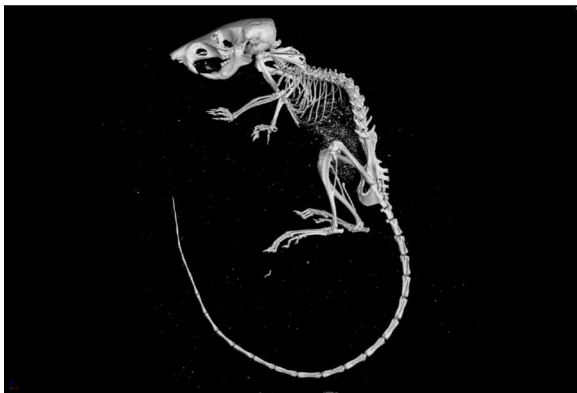
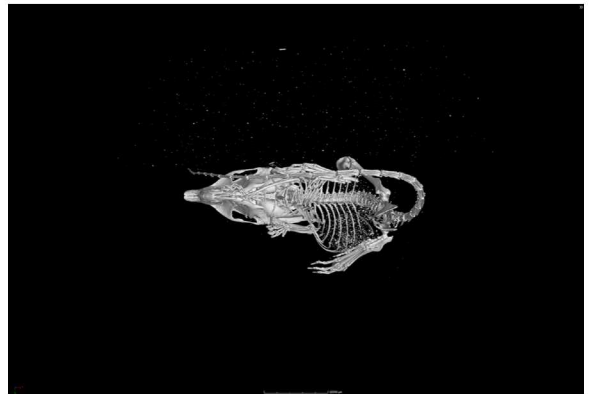
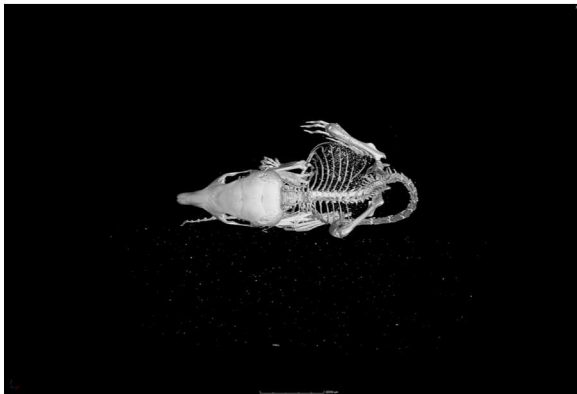
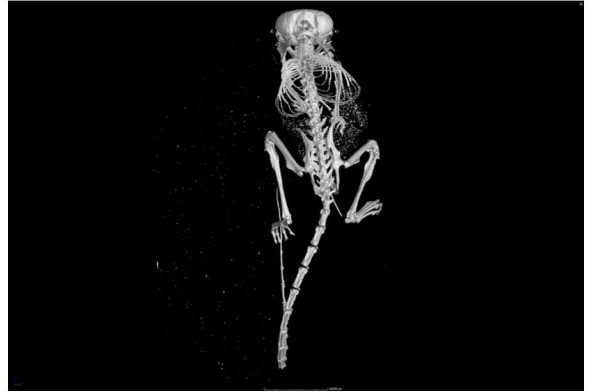
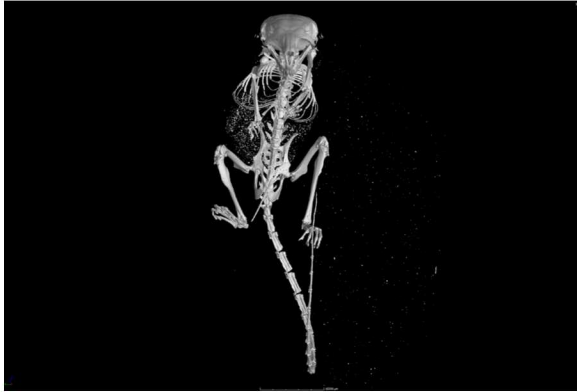
MSB 105350: *Perognathus nelsoni nelsoni*

Body: 50 μ m resolution



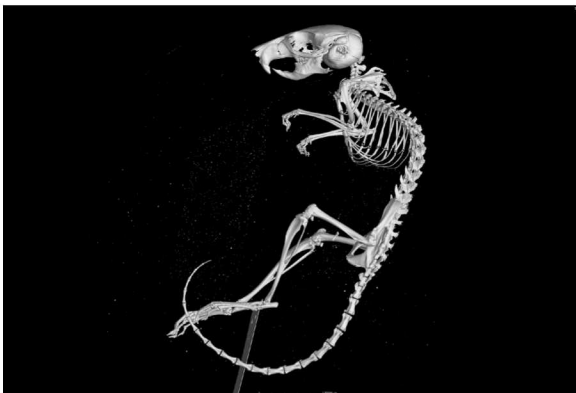
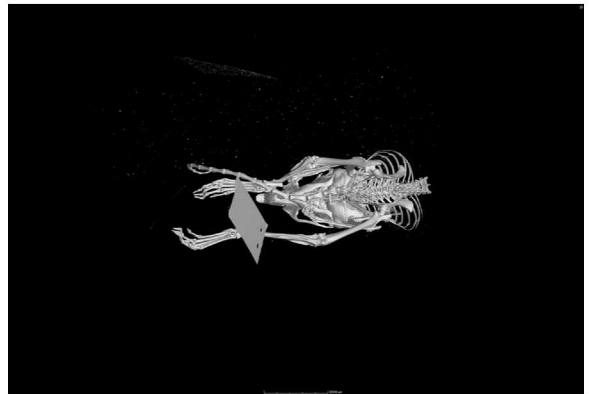
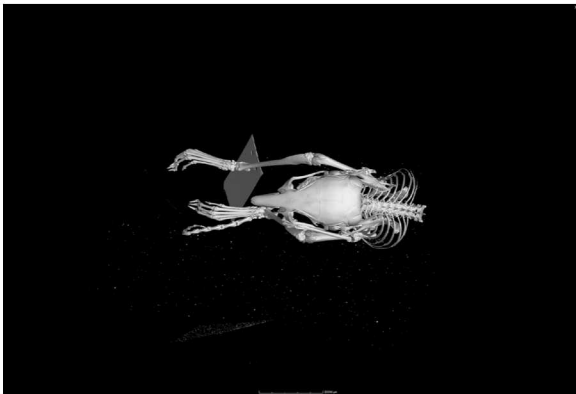
MSB 105351: *Perognathus nelsoni nelsoni*

Body: 50 μ m resolution



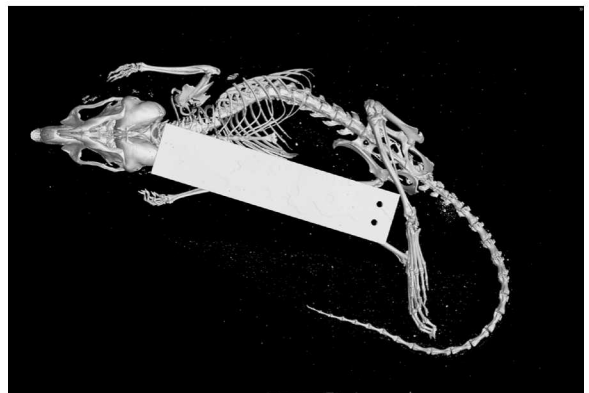
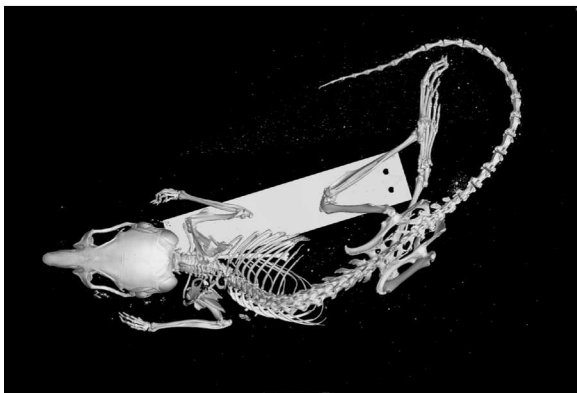
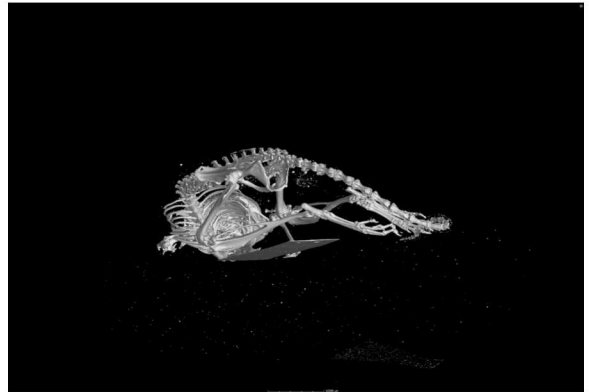
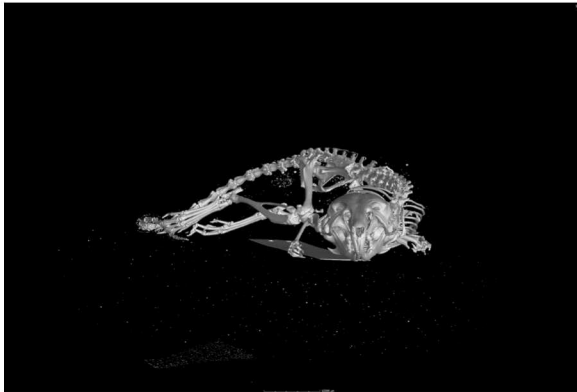
MSB 227282: *Meriones meridianus*

Body: 60 μ m resolution



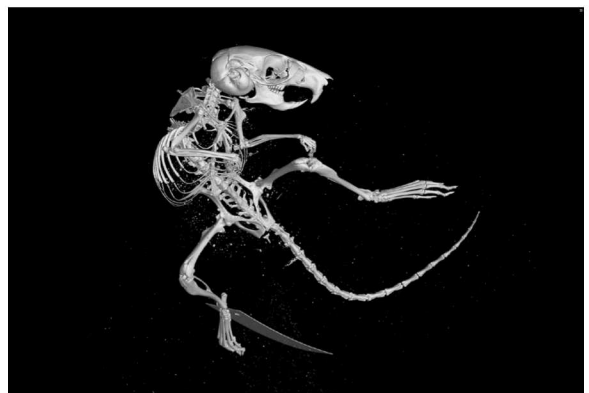
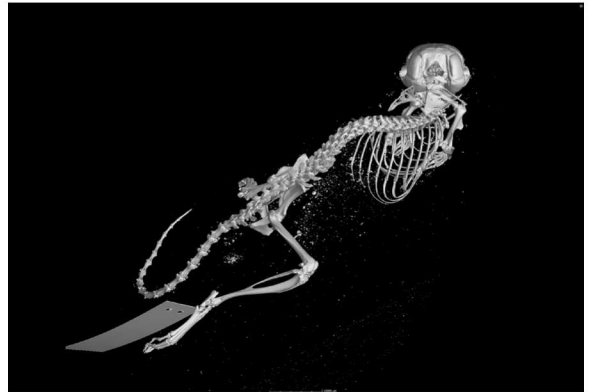
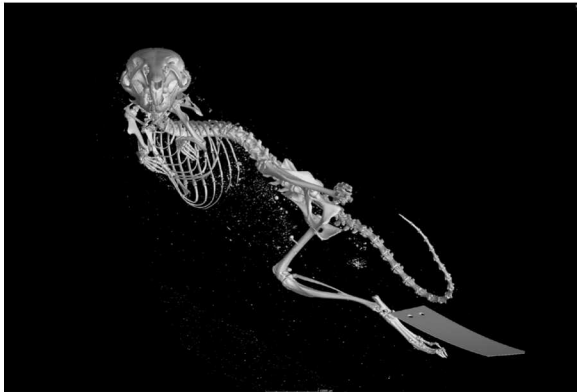
MSB 227350: *Meriones meridianus*

Body: 70 μ m resolution



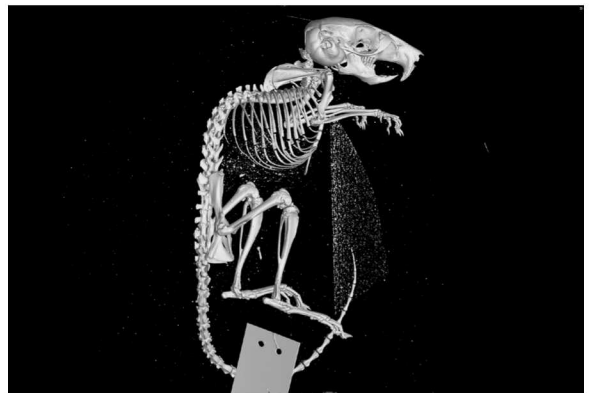
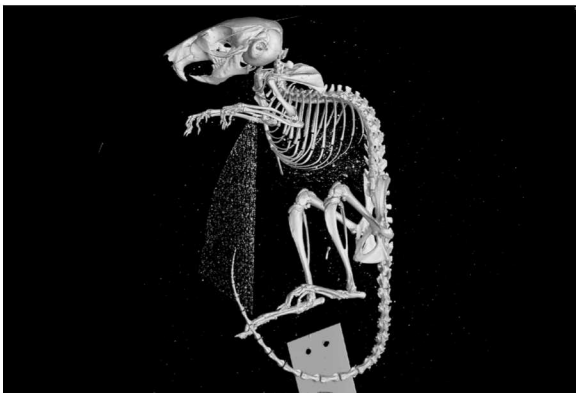
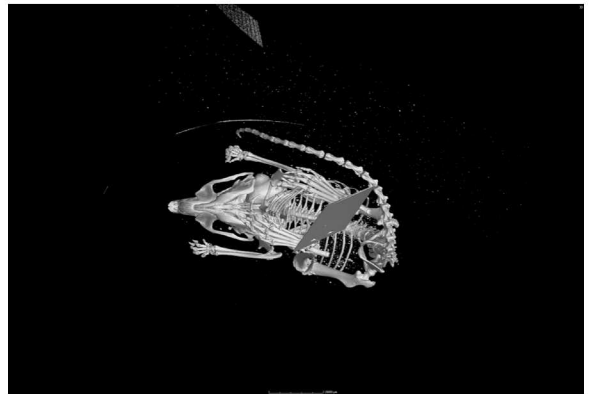
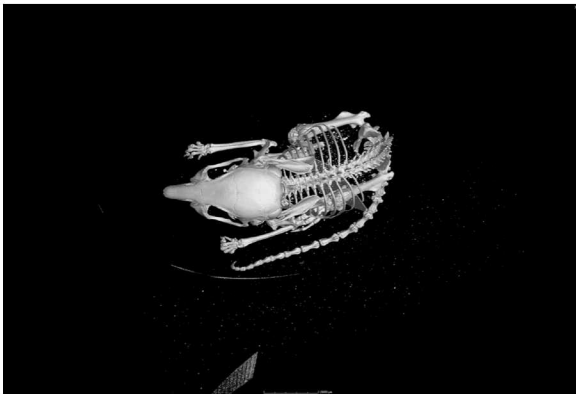
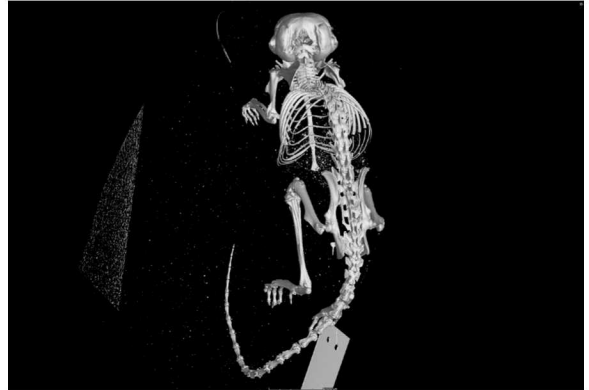
MSB 227391: *Meriones meridianus*

Body: 70 μ m resolution



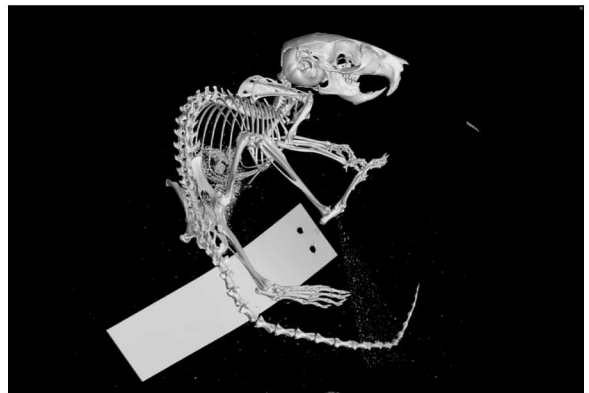
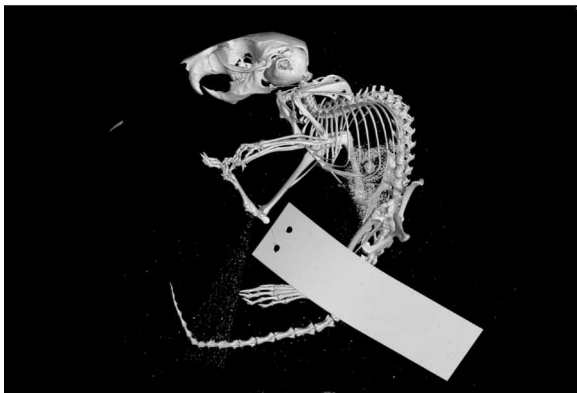
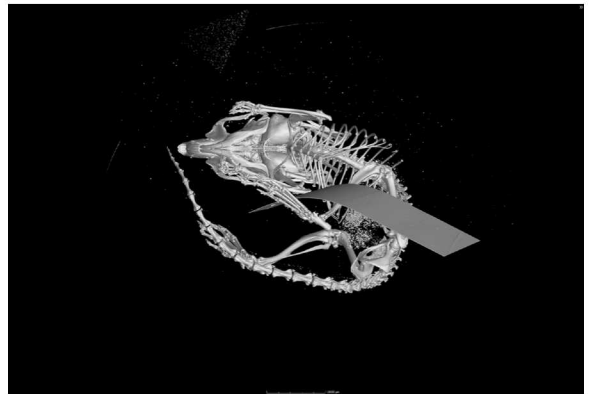
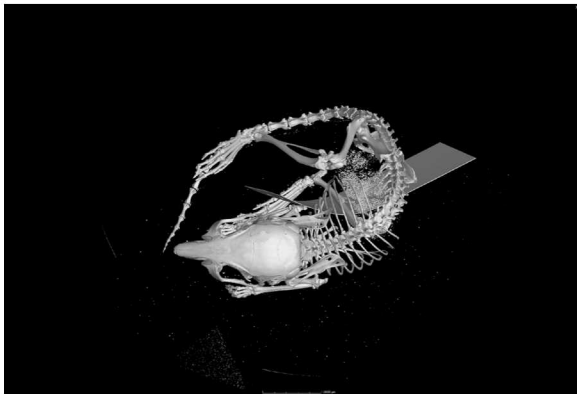
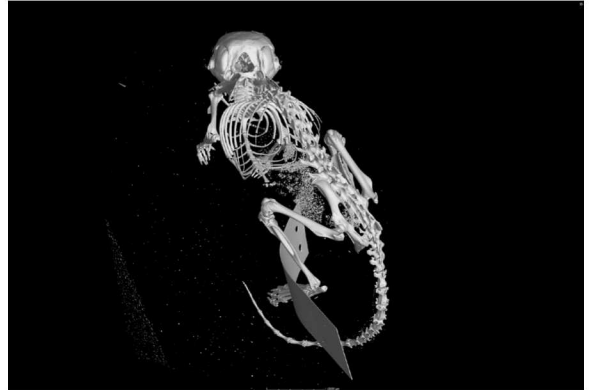
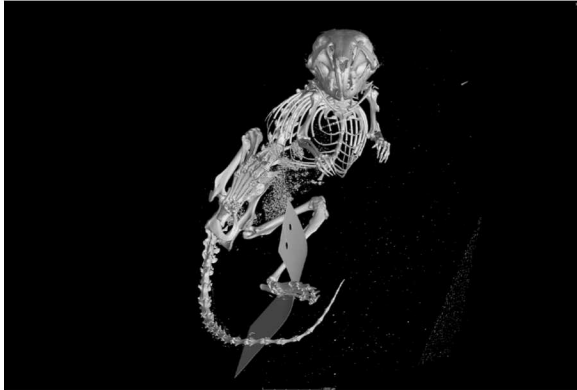
MSB 265022: *Meriones unguiculatus*

Body: 60 μ m resolution



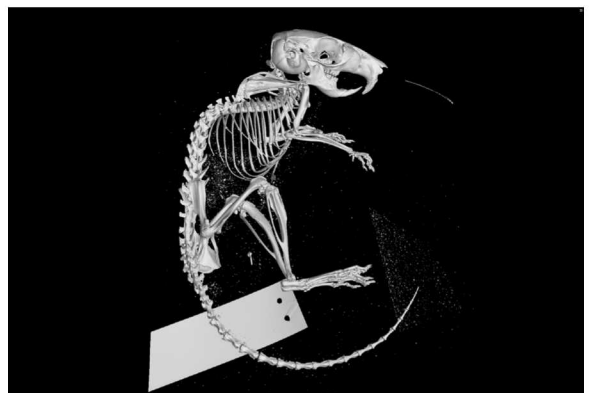
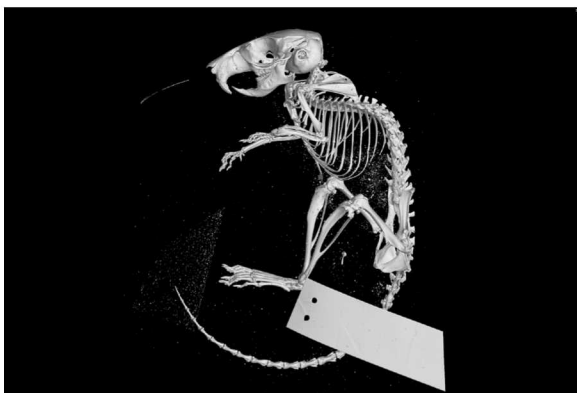
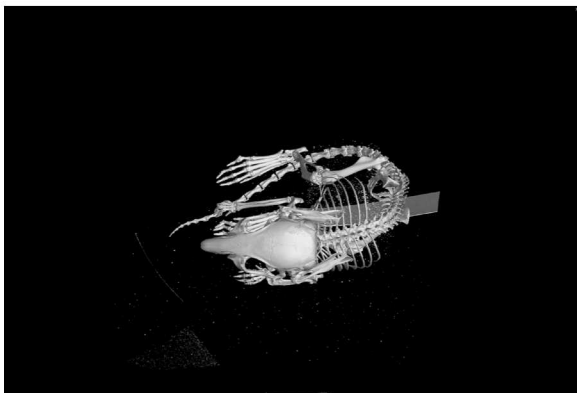
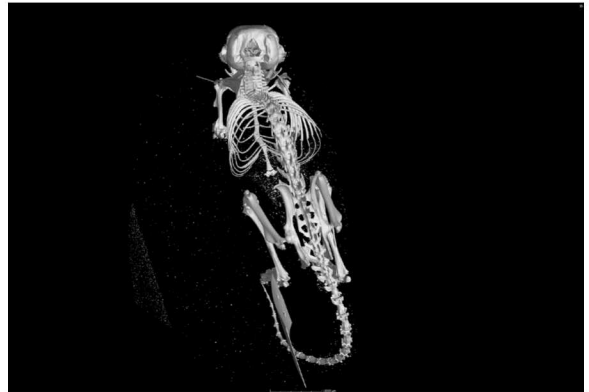
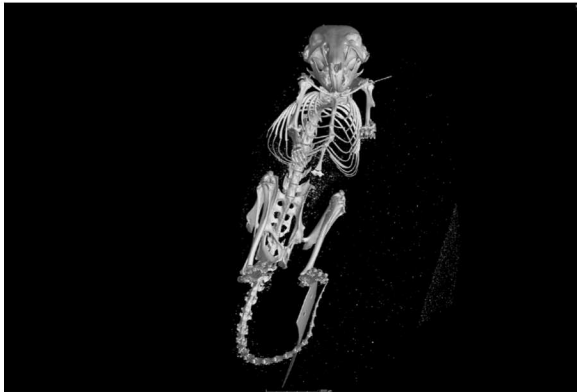
MSB 265430: *Meriones unguiculatus*

Body: 60 μ m resolution



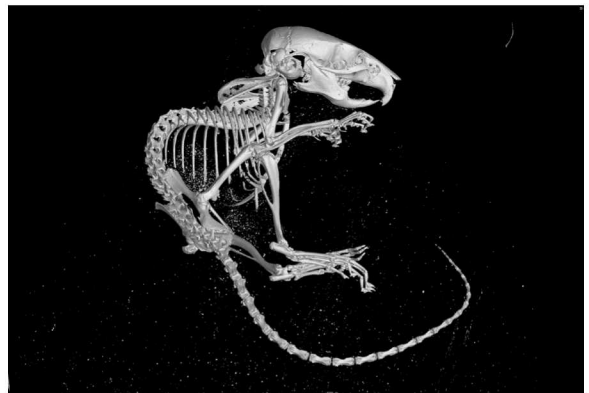
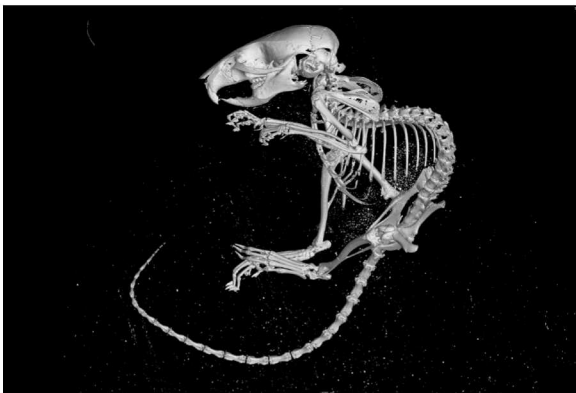
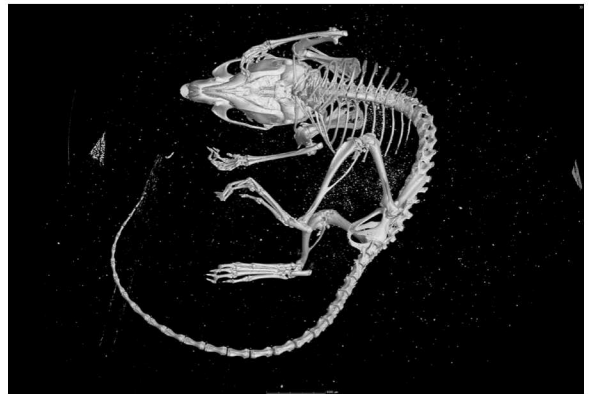
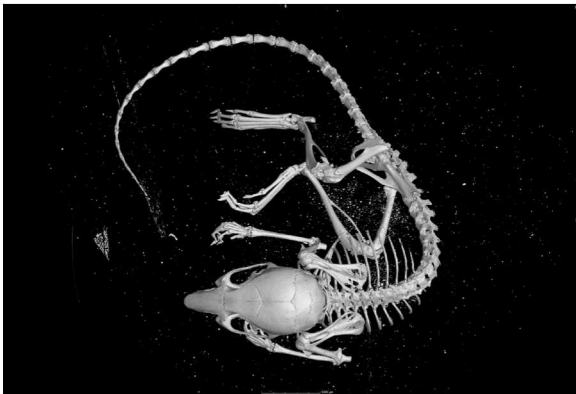
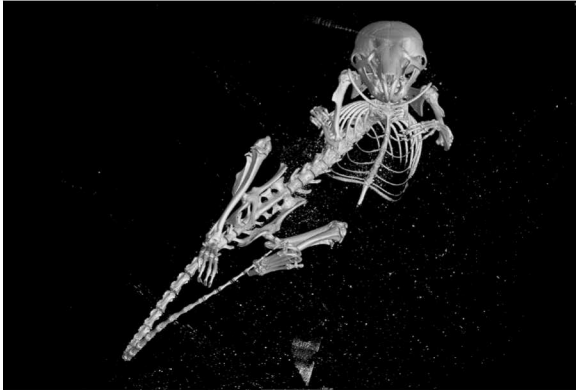
MSB 265431: *Meriones unguiculatus*

Body: 60 μ m resolution



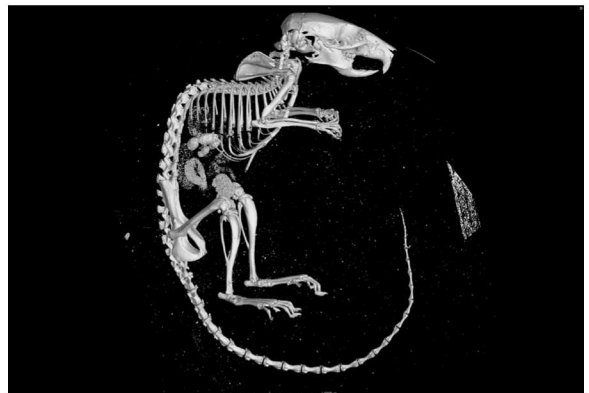
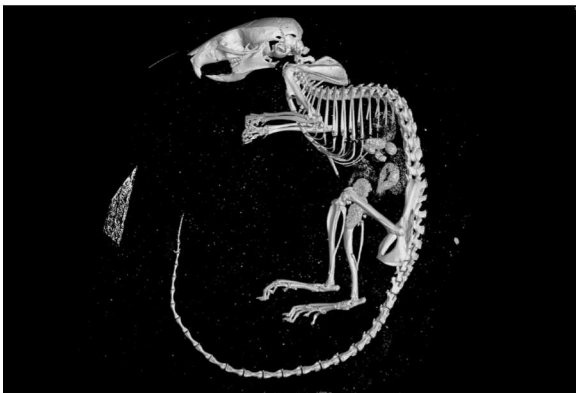
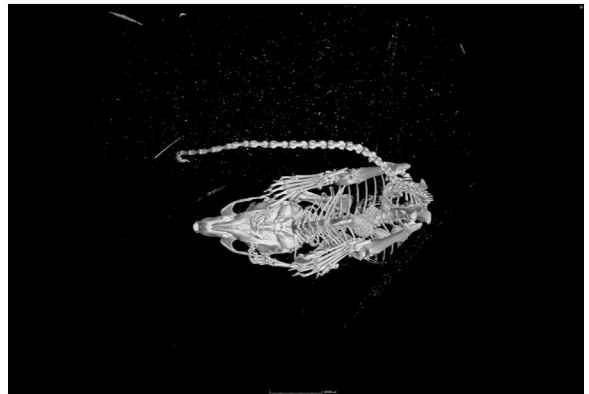
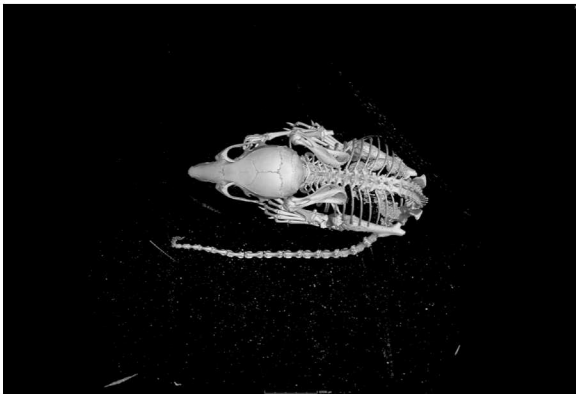
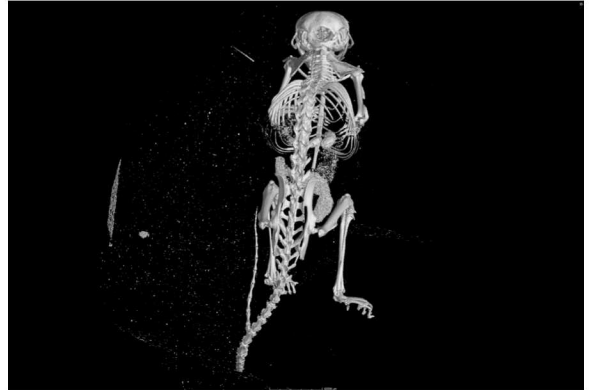
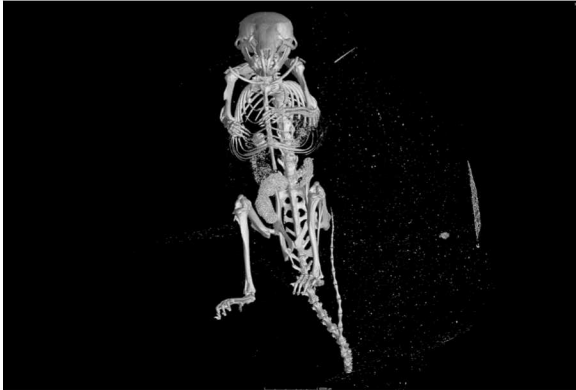
MSB 72954: *Mus musculus*

Body: 40 μ m resolution



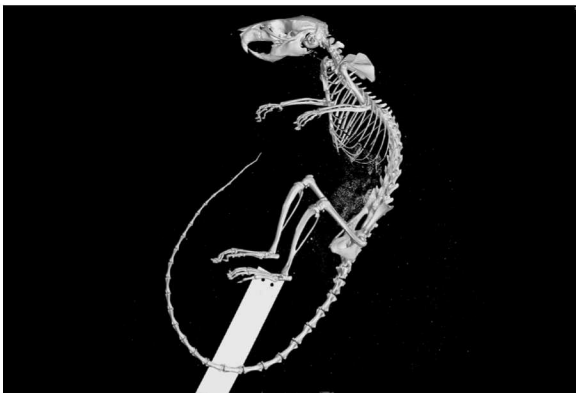
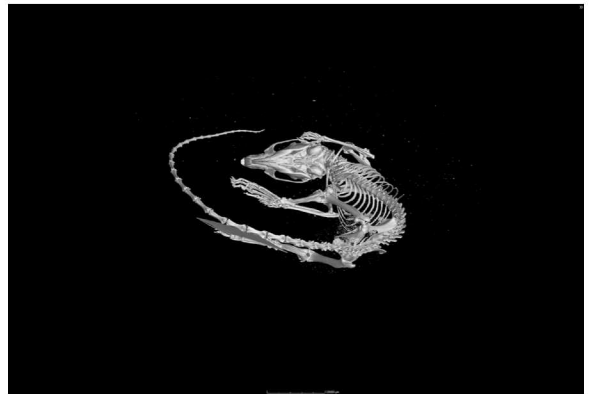
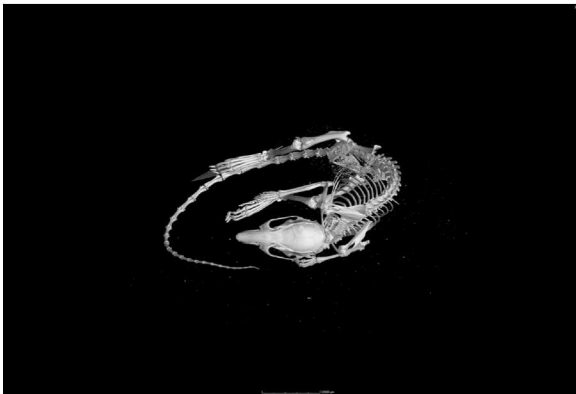
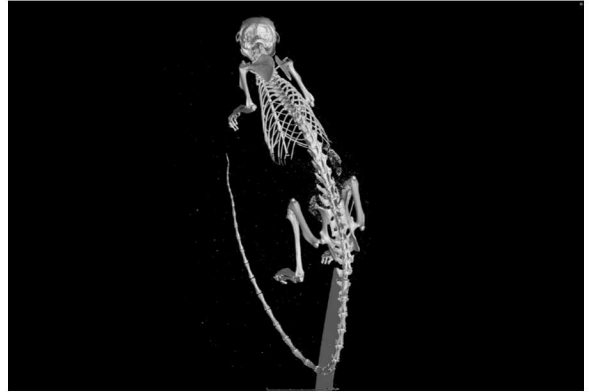
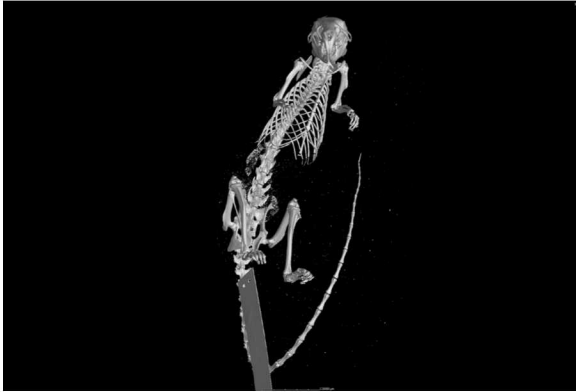
MSB 72955: *Mus musculus*

Body: 40 μ m resolution



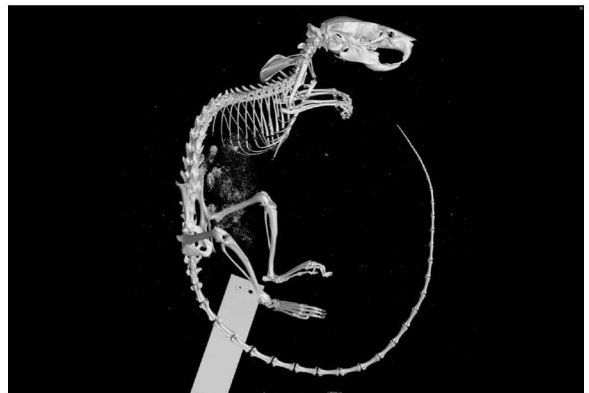
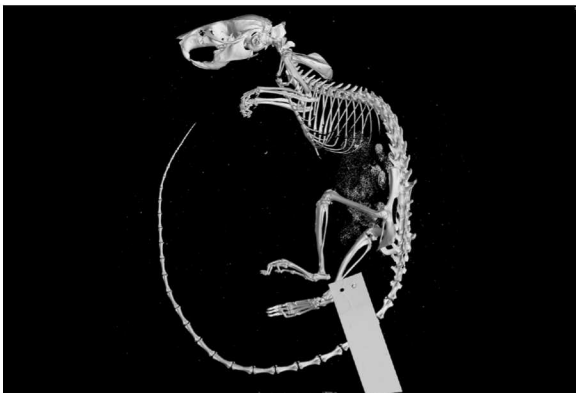
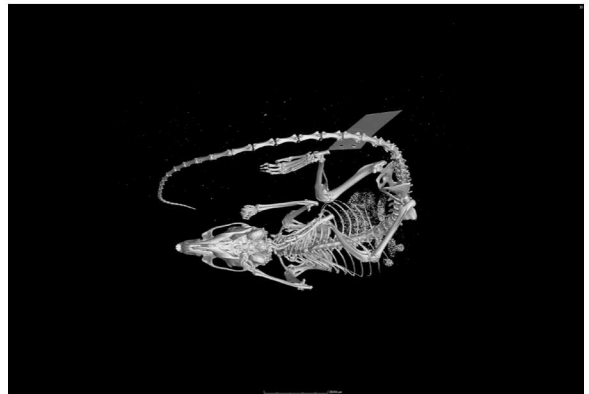
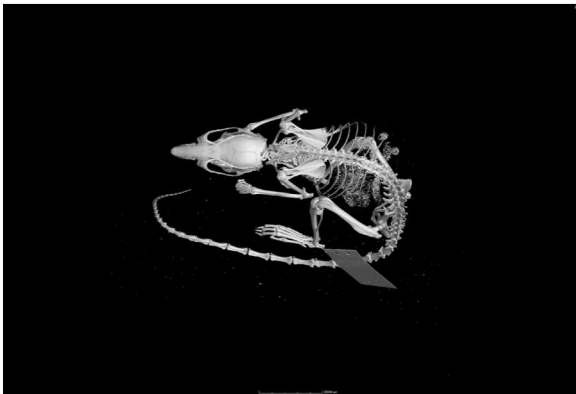
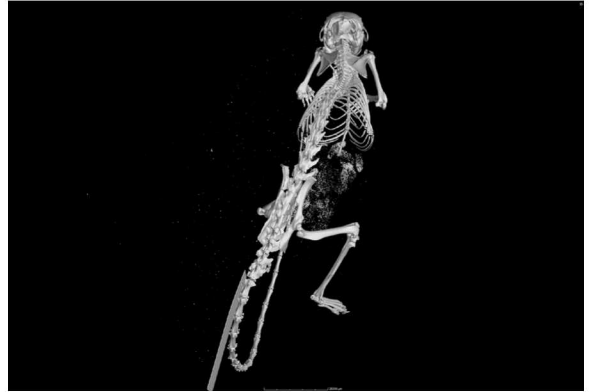
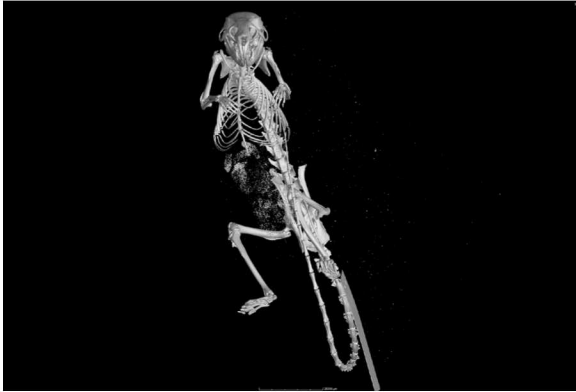
MSB 269967: *Rattus rattus*

Body: 82 μ m resolution



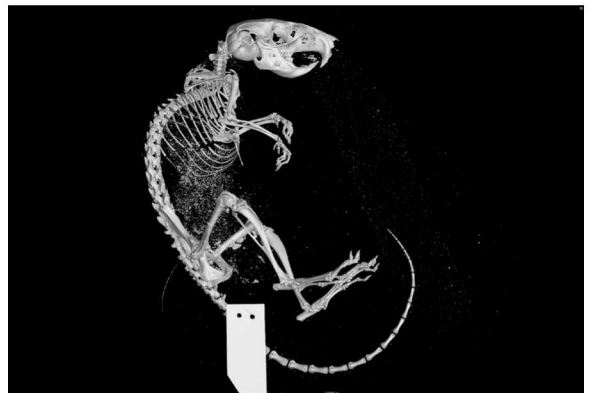
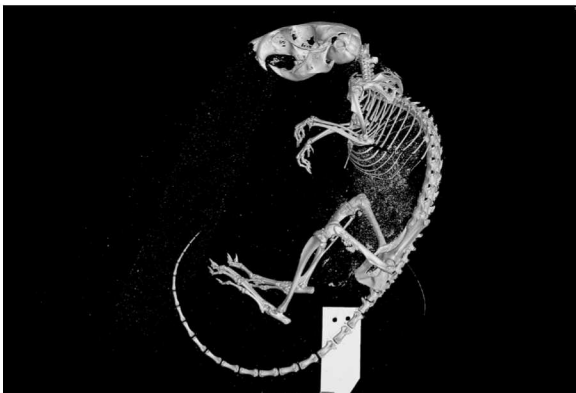
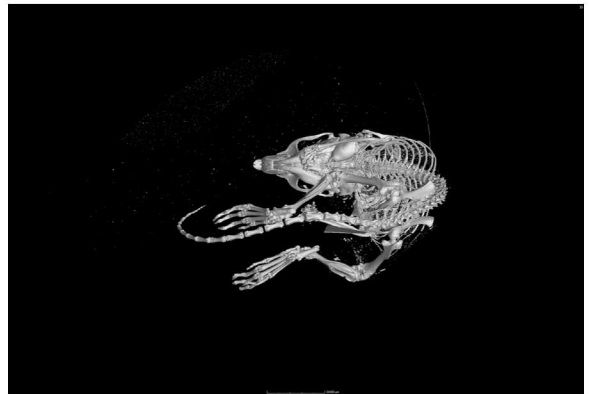
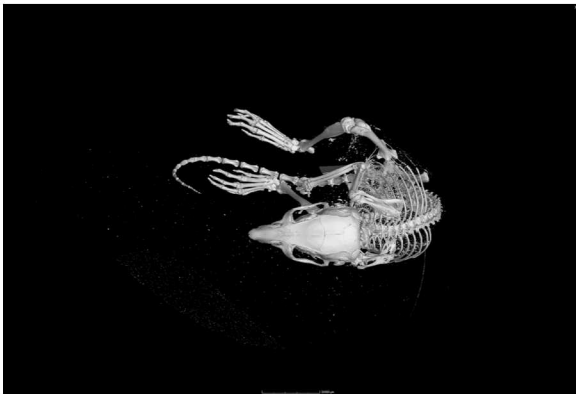
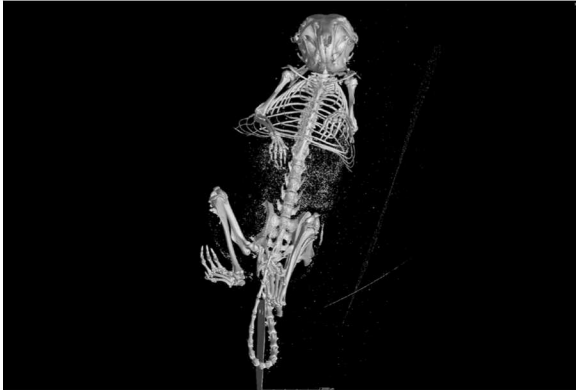
MSB 275440: *Rattus rattus*

Body: 80 μ m resolution



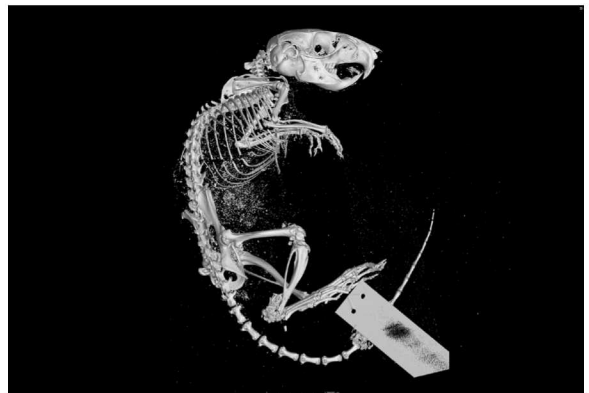
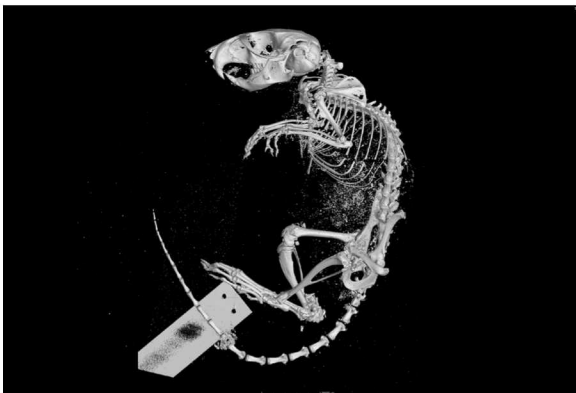
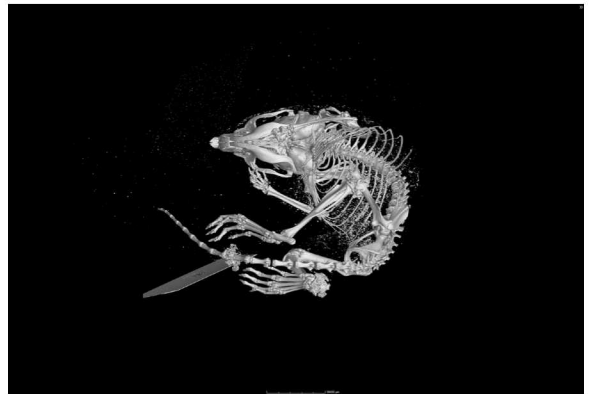
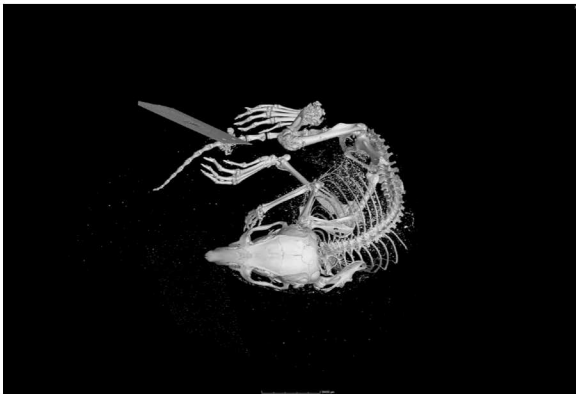
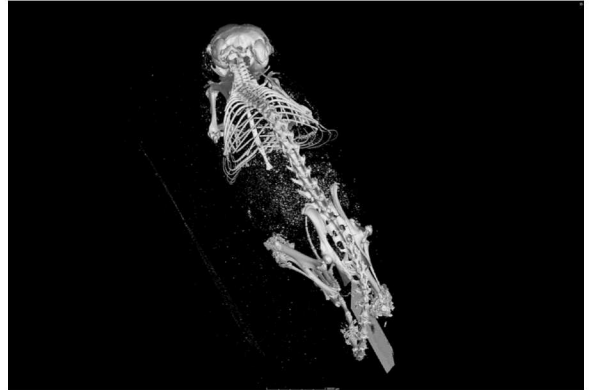
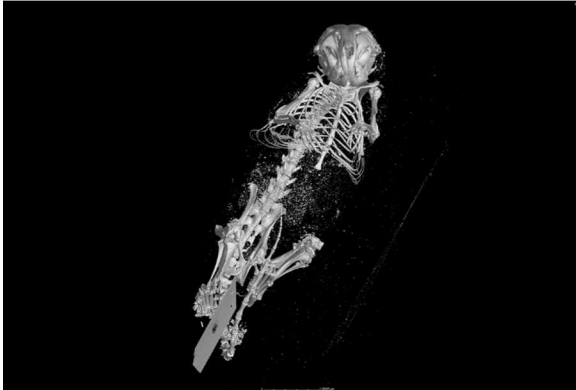
MSB 249245: *Rhombomys opimus*

Body: 70 μ m resolution



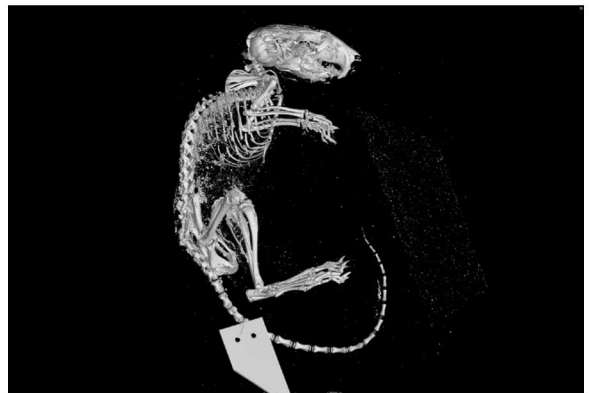
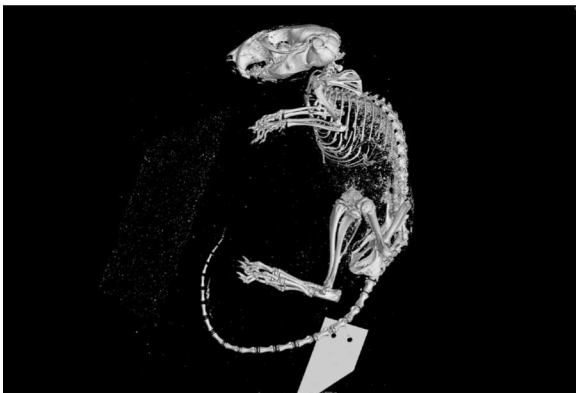
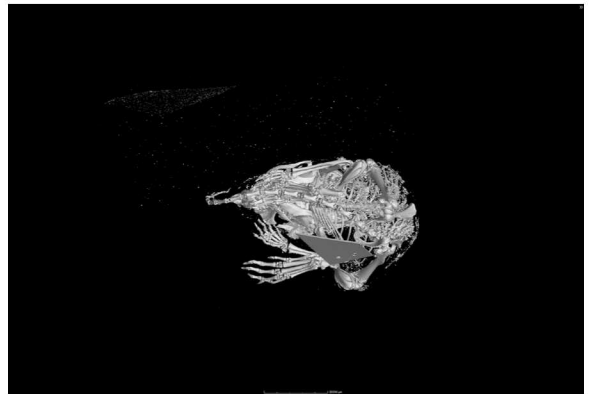
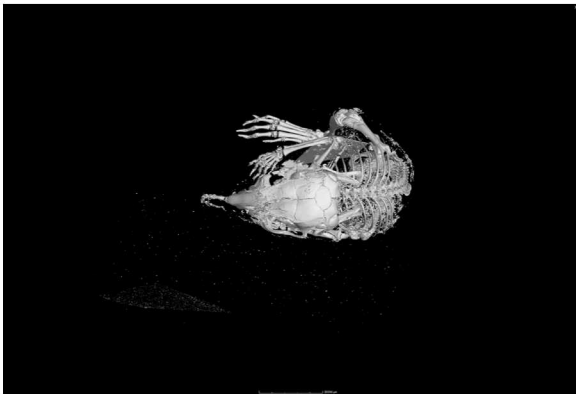
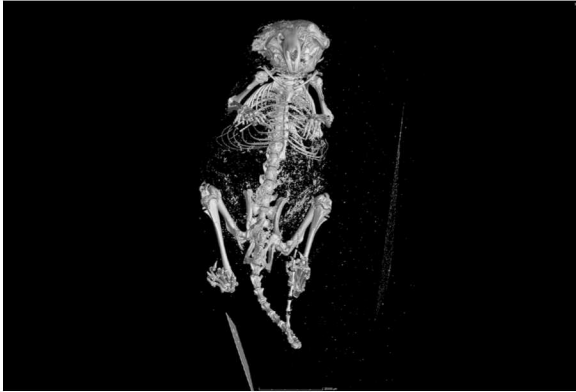
MSB 249246: *Rhombomys opimus*

Body: 70 μ m resolution



MSB 249248: *Rhombomys opimus*

Body: 70 μ m resolution



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