Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg.
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: μsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurs and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg.
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: μsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg

---

[Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg]
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg.
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: μsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.  
Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)  
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurs and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

**Device:** µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

**Lab:** Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurs and *Allosaurus fragilis*.

**Device:** µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)

**Lab:** Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg
Photosimulations and color elevation maps of dental surfaces of different adult tyrannosaurids and *Allosaurus fragilis*.

Device: µsurf Custom (NanoFocus AG, Oberhausen, Germany) with a blue LED (470 nm)
Lab: Thomas M. Kaiser, Leibniz Institute for the Analysis of Biodiversity Change (LIB), formerly University of Hamburg