SUPPLEMENTARY ONLINE MATERIAL FOR

The digital *Plateosaurus* II: an assessment of the range of motion of the limbs and vertebral column and of previous reconstructions using a digital skeletal mount

HEINRICH MALLISON

SOM 1. Scapulocoracoid and right fore limb of *Plateosaurus engelhardti* Meyer, 1837 of digital skeletal mount of GPIT1, from Trossingen, Germany. Trunk, neck, head and left arm in-vivo shape indicated by transparent CAD model. The video shows the motion range of the fore limb.

http://app.pan.pl/SOM/app55-Mallison_SOM/Plateosaurus_skeletal_mount_Vid1.MPG

SOM 2. Pelvis and left hind limb of *Plateosaurus engelhardti* Meyer, 1837 of digital skeletal mount of GPIT1, from Trossingen, Germany. The video shows full anteroposterior limb swing without abduction, and a hypothetical step cycle for locomotion without and with limb abduction.

http://app.pan.pl/SOM/app55-Mallison_SOM/Plateosaurus_skeletal_mount_Vid2.MPG

SOM 3. *Plateosaurus engelhardti* Meyer, 1837 digital skeletal mount of GPIT1, from Trossingen, Germany, in resting position, based on SMNS F33, illustrating the extreme limb flexion angles required.

http://app.pan.pl/SOM/app55-Mallison_SOM/Plateosaurus_skeletal_mount_Vid3.AVI