

## SUPPLEMENTARY MATERIAL

SAMPLE	TAXON	OSTEODERM	PIXEL SIZE ( $\mu\text{m}$ )	VOLTAGE (kV)	CURRENT ( $\mu\text{A}$ )	TIME OF ACQUISITION
UFRJ-DG 317M	Riostegotherium	Movable	6.00	50	115	1h03min
LMH 06	Riostegotherium	Movable	6.38	45	177	55 min
MCN-PV 1777	Riostegotherium	Movable	6.41	50	160	1h37min
MCN-PV 1779	Riostegotherium	Movable	6.41	50	160	1h38min
MCT 3932 M	Riostegotherium	Buckler	6.38	45	177	55 min
MCN-PV 1775	Riostegotherium	Buckler	6.41	50	160	1h32min
LMH 83.2	Dasypus	Movable	7.00	45	177	1h16min
LMH 83.5	Dasypus	Movable	5,99	50	115	1h03min
LMH 83.6	Dasypus	Movable	7,48	45	177	1h16min
LMH 83.1	Dasypus	Buckler	6.70	45	177	1h15min
LMH 83.7	Dasypus	Buckler	6,5	45	177	1h16min
LMH 98.1	Dasypus	Buckler	6.41	45	160	1h17min
LMH 98.4	Dasypus	Buckler	6.41	50	160	1h15min
LMH 98.5	Dasypus	Buckler	6.41	50	160	1h14min