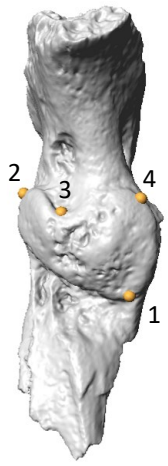
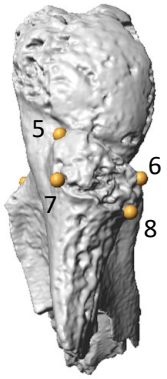
ANTERIOR VIEW

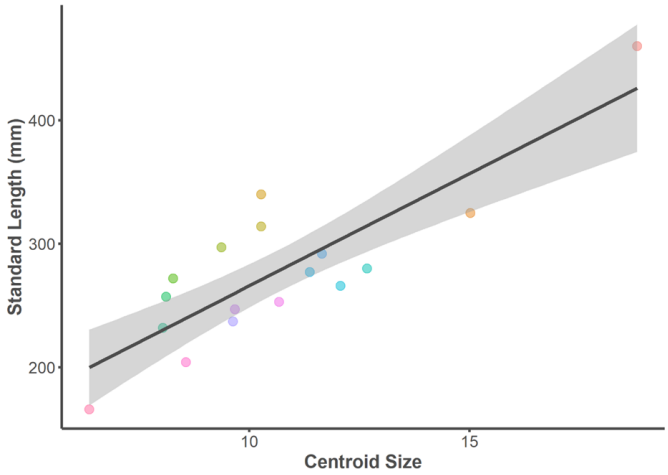


POSTERIOR VIEW



SPECIMEN INFORMATION

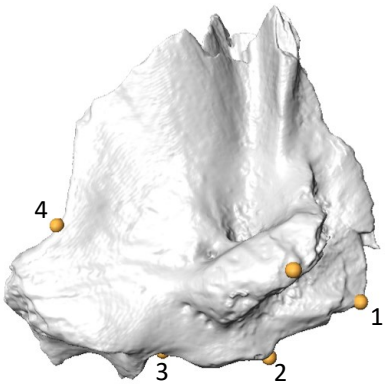
Site	Pottery Mound
Identifier	205.27.167
Element	Hyomandibular
Centroid Size	12.57
R^2	0.70
Rho	0.68
Equation	y = 18.17x + 84.31
SL estimate (mm)	312.58



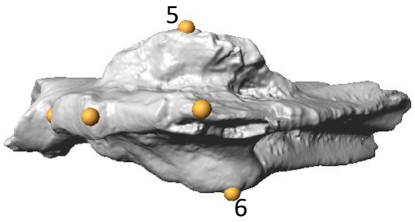
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Most inferiomedial point of articulation head for opercle
2	Anterior	Most superiolateral point of articulation head for opercle
3	Anterior	Deepest point in the superior portion of the articulation head for opercle
4	Anterior	Most superiomedial point of articulation head for opercle
5	Posterior	Most superiomedial point of articulation head for autosphenotic
6	Posterior	Most superiolateral point of the articulation head for autosphenotic
7	Posterior	Most inferiomedial point of the articulation head for autosphenotic
8	Posterior	Most inferiolateral point of articulation head for autosphenotic

DORSAL VIEW

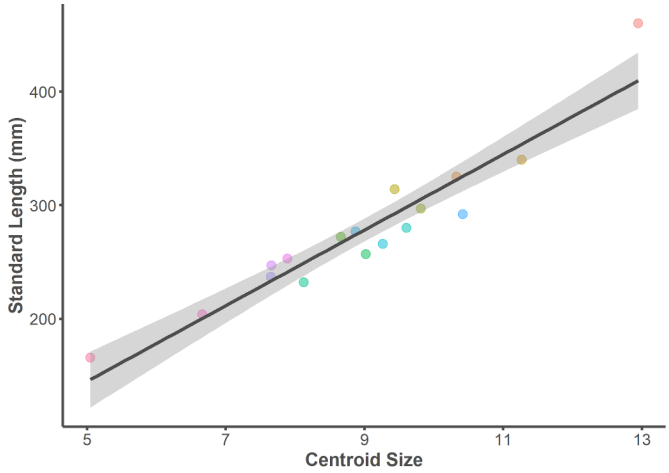


POSTERIOLATERAL VIEW



SPECIMEN INFORMATION

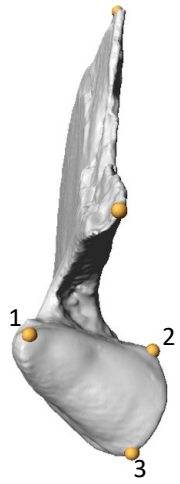
Site	Pottery Mound
Identifier	99.20.1199
Element	Basipterygium
Centroid Size	14.46
R^2	0.90
Rho	0.94
Equation	y = 33.31x − 21.54
SL estimate (mm)	460.17



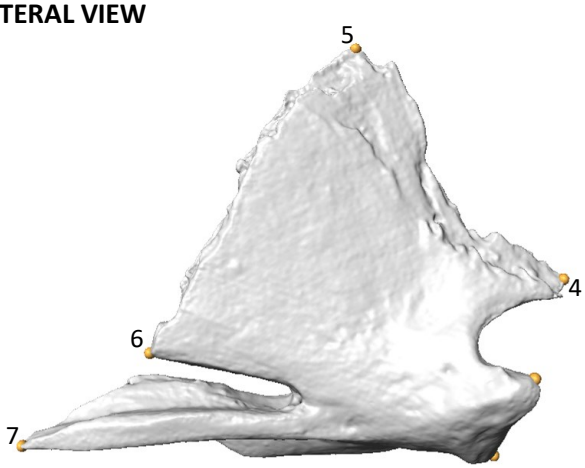
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Dorsal	Most inferiolateral point on distal portion
2	Doral	Most inferior point on distal portion
3	Dorsal	Highest point where arm of external process and body of basipterygium meet on distal portion
4	Dorsal	Lowest point where arm of external process and body of basipterygium meet on distal portion
5	Posteriolateral	Most proximal point
6	Posteriolateral	Most distal point

POSTERIOR VIEW

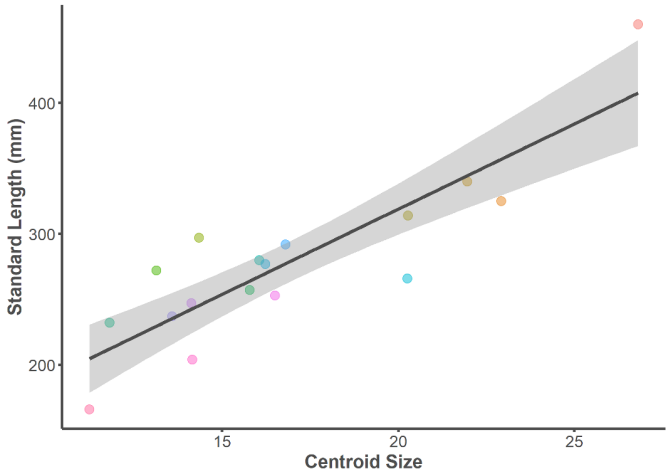


LATERAL VIEW



SPECIMEN INFORMATION

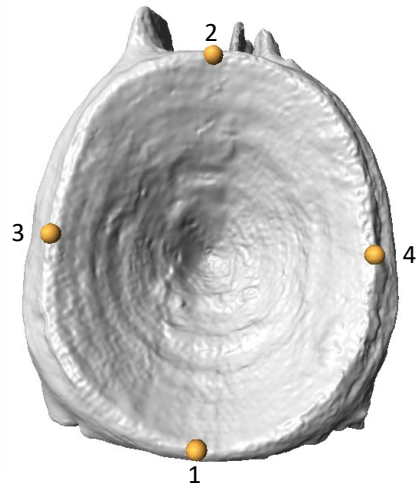
Site	Pottery Mound
Identifier	99.20.9
Element	Quadrate
Centroid Size	20.48
R^2	0.76
Rho	0.82
Equation	y = 13.02x + 58.55
SL estimate (mm)	325.10



LANDMARK CONFIGURATION

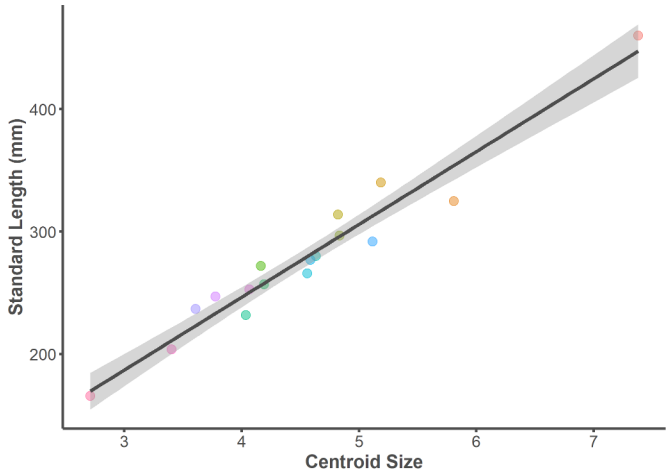
Landmark #	View	Anatomical Description
1	Posterior	Most superiolateral point of articulation head for preopercle
2	Posterior	Most superiomedial point of articulation head for preopercle
3	Posterior	Most inferiomedial point of articulation head for preopercle
4	Lateral	Most distal point of articulation with metapterygoid
5	Lateral	Most proximal point of articulation with pterygoid
6	Lateral	Most distal point of articulation with pterygoid
7	Lateral	Most anterior point of articulation with articular

ANTERIOR VIEW



SPECIMEN INFORMATION

Site	Pottery Mound
Identifier	99.20.160
Element	Ultimate Vertebra
Centroid Size	9.14
R^2	0.95
Rho	0.97
Equation	y = 59.44x + 8.80
SL estimate (mm)	554.24



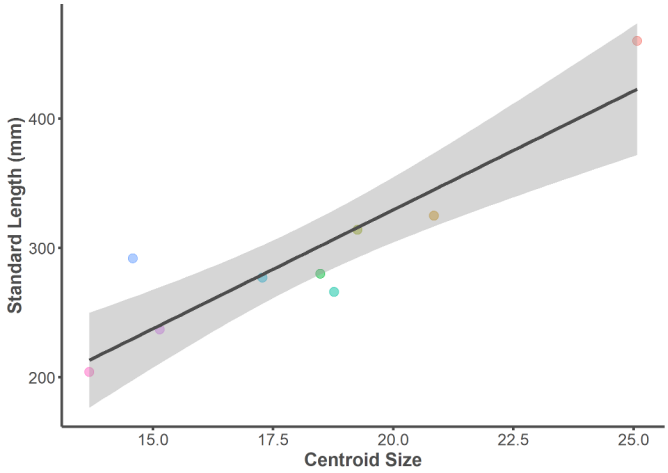
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of centrum
2	Anterior	Most superior point of centrum
3	Anterior	Most right lateral point of centrum
4	Anterior	Most left lateral point of centrum

VENTRAL VIEW

SPECIMEN INFORMATION

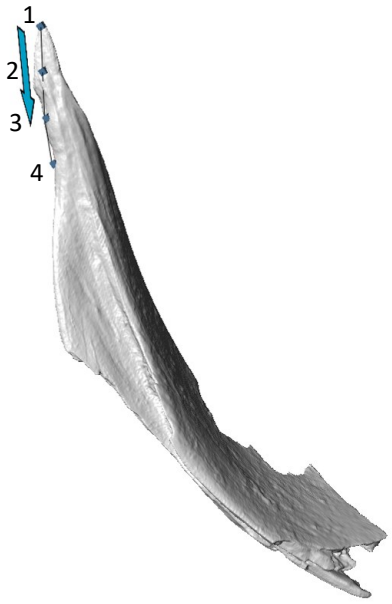
Site	Pottery Mound
Identifier	99.20.363
Element	Ultimate Vertebra
Centroid Size	21.42
R^2	0.81
Rho	0.78
Equation	y = 18.39x − 38.22
SL estimate (mm)	355.58



LANDMARK CONFIGURATION

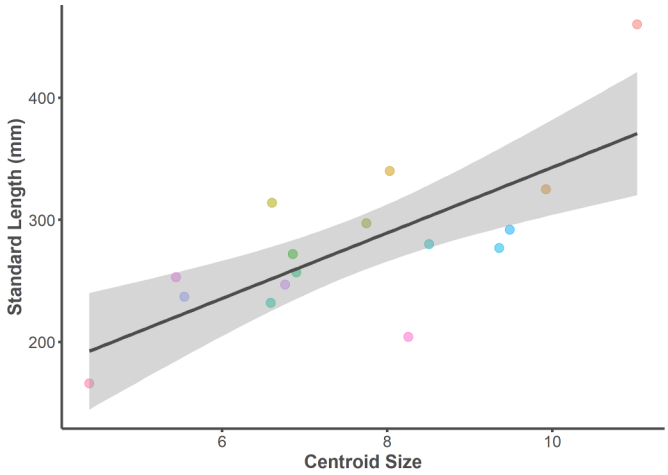
Landmark #	View	Anatomical Description
1	Ventral	Most inferior point of ventral process
2	Ventral	Most right lateral point of transverse process
3	Ventral	Most left lateral point of transverse process
4	Ventral	Most posterior point

LATERAL VIEW



SPECIMEN INFORMATION

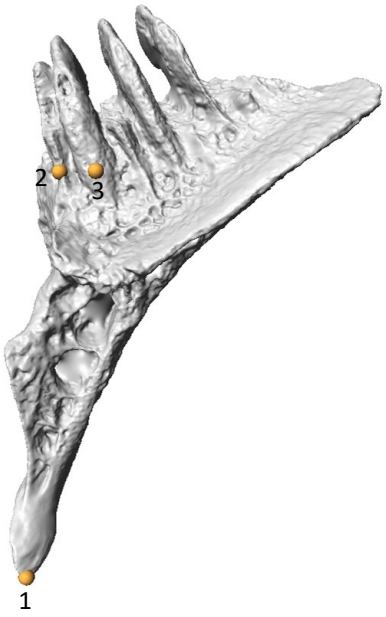
Site	Pottery Mound
Identifier	99.20.1111
Element	Cleithrum
Centroid Size	8.10
R^2	0.53
Rho	0.66
Equation	y = 26.86x + 74.48
SL estimate (mm)	291.98



LANDMARK CONFIGURATION

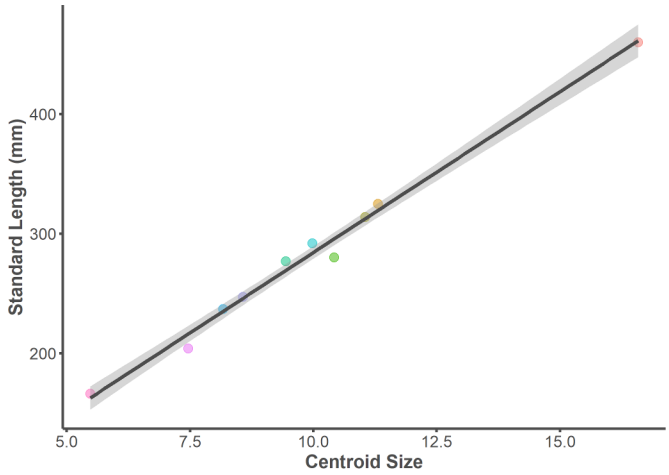
Landmark #	View	Anatomical Description
1 – 4	Lateral	Semi-landmark : 4 landmarks from superior point of cleithrum to deepest anterior point before posterior arch on proximal portion

VENTRAL VIEW



SPECIMEN INFORMATION

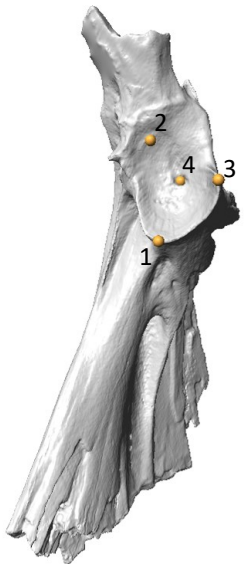
Site	Pottery Mound
Identifier	99.20.1155
Element	Pharyngeal teeth
Centroid Size	11.55
R^2	0.99
Rho	0.98
Equation	y = 26.88x + 15.55
SL estimate (mm)	324.84



LANDMARK CONFIGURATION

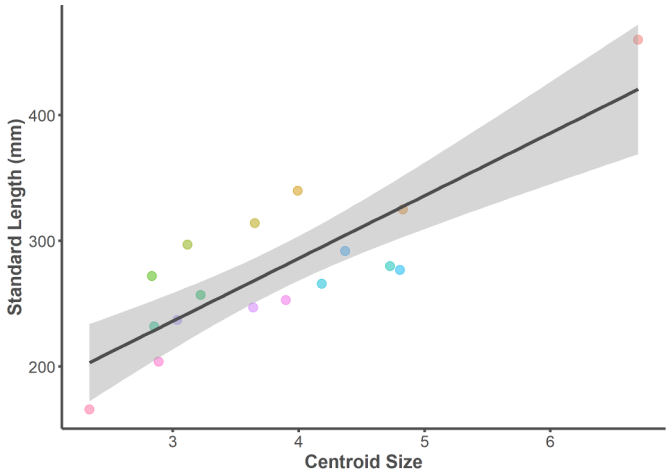
Landmark #	View	Anatomical Description
1	Ventral	Most inferior point of pharyngeal teeth
2	Ventral	Base of first tooth (where first tooth and arch meet)
3	Ventral	Base of second tooth (where second tooth and arch meet)

ANTERIOMEDIAL VIEW



SPECIMEN INFORMATION

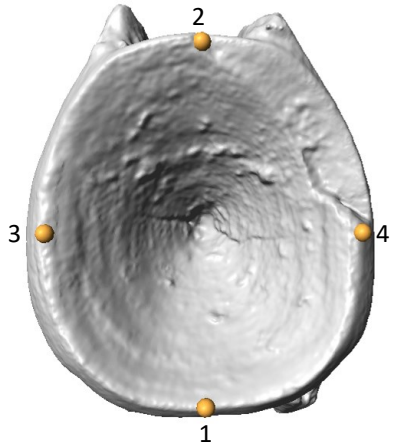
Site	Pottery Mound
Identifier	99.22.882
Element	Opercle
Centroid Size	7.36
R^2	0.69
Rho	0.72
Equation	y = 49.87x + 86.66
SL estimate (mm)	453.59



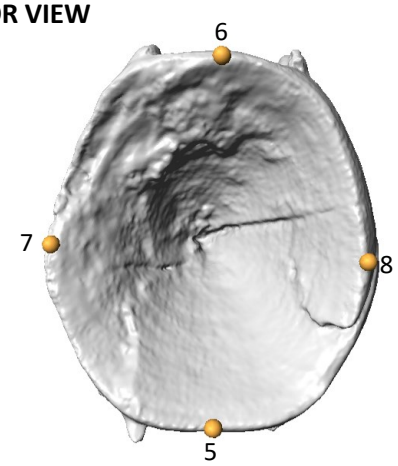
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anteriomedial	Most inferior point of hyomandibular facet
2	Anteriomedial	Most superiolateral point of hyomandibular facet
3	Anteriomedial	Most superiomedial point of hyomandibular facet
4	Anteriomedial	Deepest point of hyomandibular facet

ANTERIOR VIEW

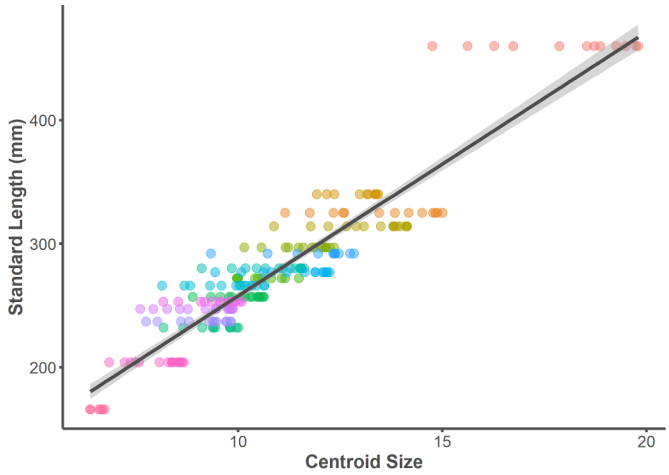


POSTERIOR VIEW



SPECIMEN INFORMATION

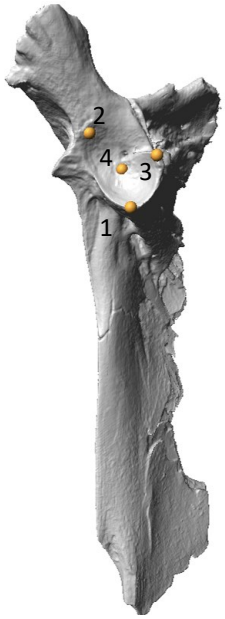
Site	Pottery Mound
Identifier	99.22.1765
Element	Caudal Vertebra
Centroid Size	18.09
R^2	0.86
Rho	0.91
Equation	y = 21.35x + 44.34
SL estimate (mm)	430.52



LANDMARK CONFIGURATION

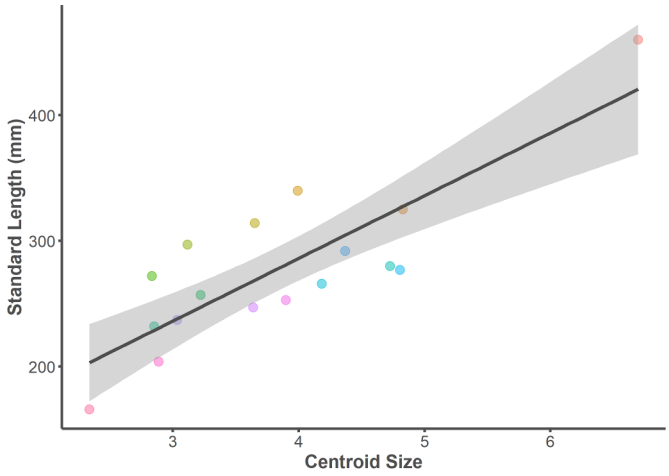
Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of centrum
2	Anterior	Most superior point of centrum
3	Anterior	Most lateral right point of centrum
4	Anterior	Most lateral left point of centrum
5	Posterior	Most inferior point of centrum
6	Posterior	Most superior point of centrum
7	Posterior	Most lateral left point of centrum
8	Posterior	Most lateral right point of centrum

ANTERIOMEDIAL VIEW



SPECIMEN INFORMATION

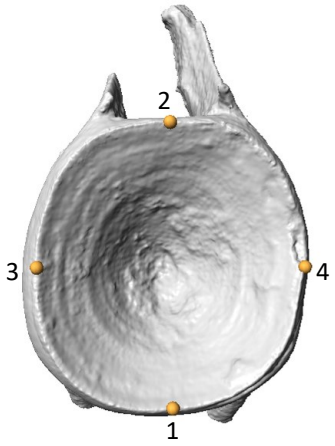
Site	Pottery Mound
Identifier	99.22.2640
Element	Opercle
Centroid Size	8.04
R^2	0.69
Rho	0.72
Equation	y = 49.87x + 86.66
SL estimate (mm)	487.53



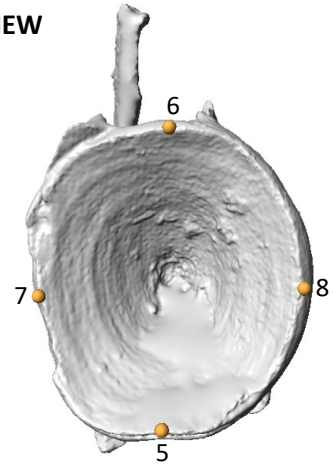
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anteriomedial	Most inferior point of hyomandibular facet
2	Anteriomedial	Most superiolateral point of hyomandibular facet
3	Anteriomedial	Most superiomedial point of hyomandibular facet
4	Anteriomedial	Deepest point of hyomandibular facet

ANTERIOR VIEW

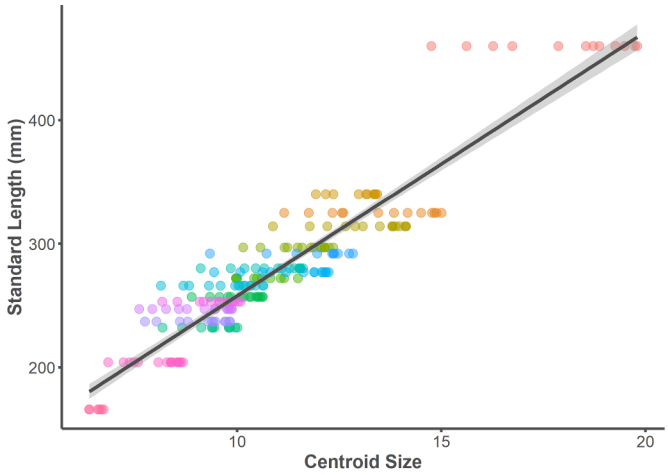


POSTERIOR VIEW



SPECIMEN INFORMATION

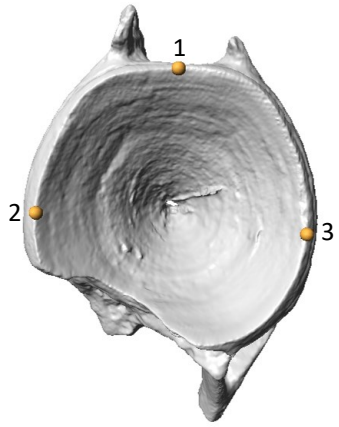
Site	Pottery Mound
Identifier	99.22.3136
Element	Caudal Vertebra
Centroid Size	18.37
R^2	0.86
Rho	0.91
Equation	y = 21.35x + 44.34
SL estimate (mm)	436.54



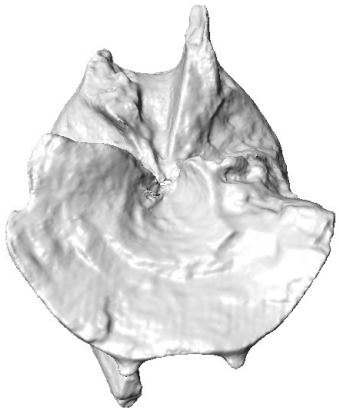
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of centrum
2	Anterior	Most superior point of centrum
3	Anterior	Most lateral right point of centrum
4	Anterior	Most lateral left point of centrum
5	Posterior	Most inferior point of centrum
6	Posterior	Most superior point of centrum
7	Posterior	Most lateral left point of centrum
8	Posterior	Most lateral right point of centrum

ANTERIOR VIEW

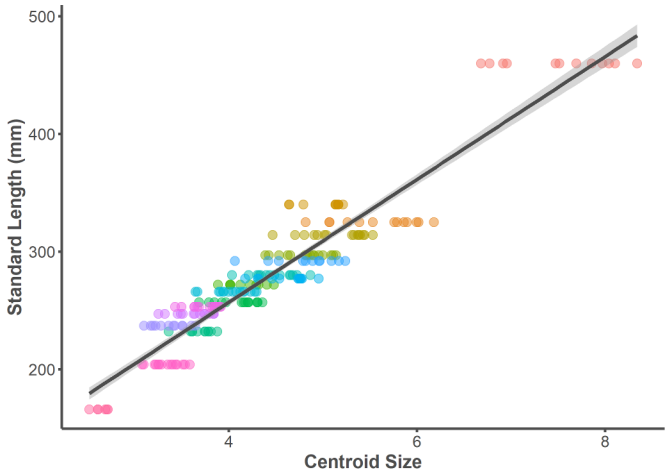


POSTERIOR VIEW



SPECIMEN INFORMATION

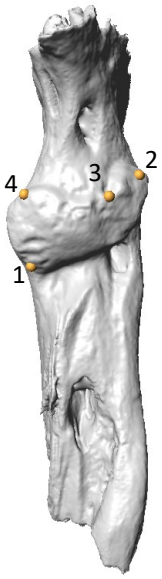
Site	Pottery Mound
Identifier	205.27.167
Element	Caudal Vertebra
Centroid Size	9.23
R^2	0.90
Rho	0.95
Equation	y = 21.35x + 44.34
SL estimate (mm)	530.09



LANDMARK CONFIGURATION

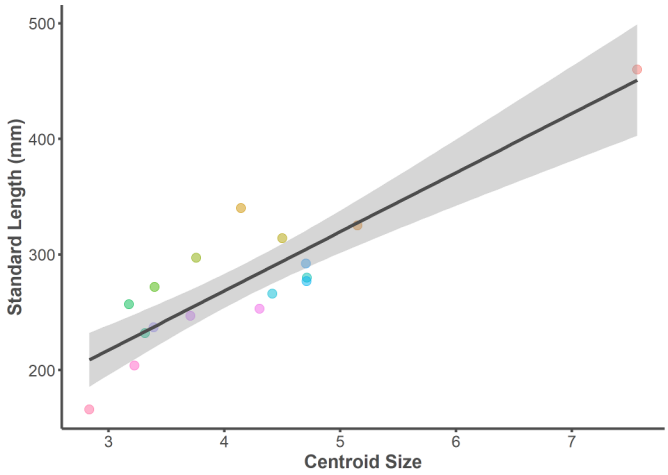
Landmark #	View	Anatomical Description
1	Anterior	Most superior point of centrum
2	Anterior	Most lateral right point of centrum
3	Anterior	Most lateral left point of centrum

ANTERIOR VIEW



SPECIMEN INFORMATION

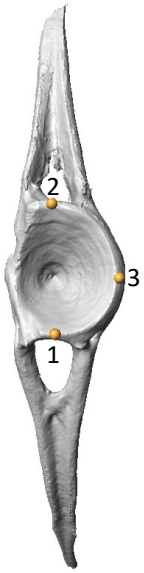
Site	Pottery Mound
Identifier	2005.27.142
Element	Hyomandibular
Centroid Size	5.26
R^2	0.79
Rho	0.78
Equation	y = 51.16x + 63.92
SL estimate (mm)	332.85



LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Most inferiomedial point of articulation head for opercle
2	Anterior	Most superiolateral point of articulation head for opercle
3	Anterior	Deepest point in the superior portion of the articulation head for opercle
4	Anterior	Most superiomedial point of articulation head for opercle

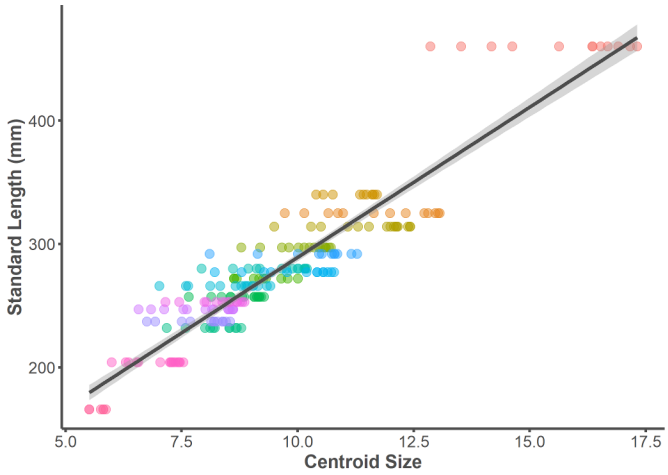
ANTERIOR VIEW



POSTERIOR VIEW

SPECIMEN INFORMATION

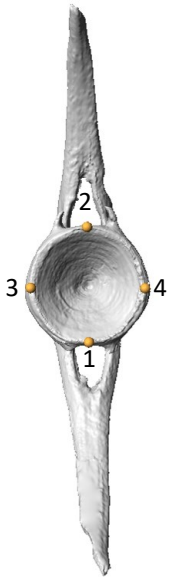
Site	Pottery Mound
Identifier	2005.27.152
Element	Caudal Vertebra
Centroid Size	11.56
R^2	0.86
Rho	0.91
Equation	y = 24.36x + 45.47
SL estimate (mm)	327.14



LANDMARK CONFIGURATION

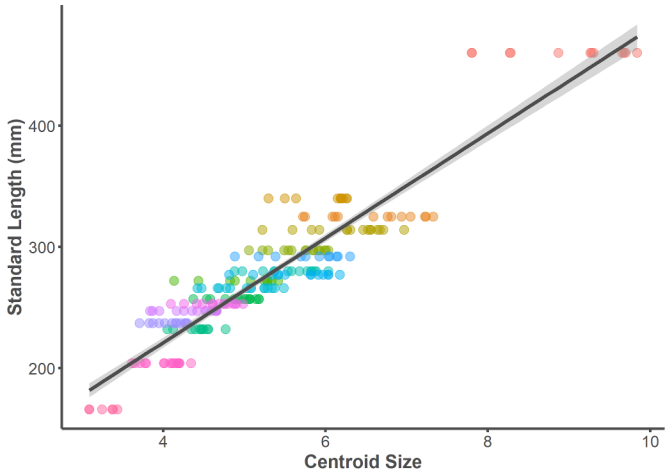
Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of centrum
2	Anterior	Most superior point of centrum
3	Anterior	Most lateral left point of centrum
4	Posterior	Most inferior point of centrum
5	Posterior	Most superior point of centrum
6	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

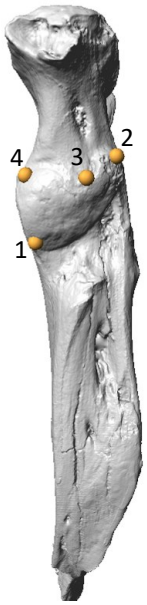
Site	Pottery Mound
Identifier	2005.27.152
Element	Caudal Vertebra
Centroid Size	6.60
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	333.31



LANDMARK CONFIGURATION

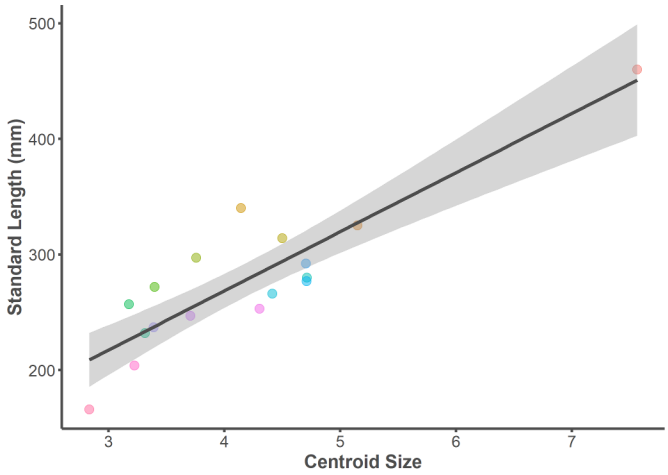
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

ANTERIOR VIEW



SPECIMEN INFORMATION

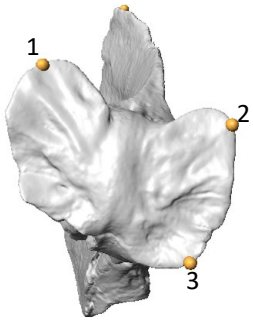
Site	Pottery Mound
Identifier	2005.27.152
Element	Hyomandibular
Centroid Size	8.97
R^2	0.79
Rho	0.78
Equation	y = 51.16x + 63.92
SL estimate (mm)	522.60



LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Most inferiomedial point of articulation head for opercle
2	Anterior	Most superiolateral point of articulation head for opercle
3	Anterior	Deepest point in the superior portion of the articulation head for opercle
4	Anterior	Most superiomedial point of articulation head for opercle

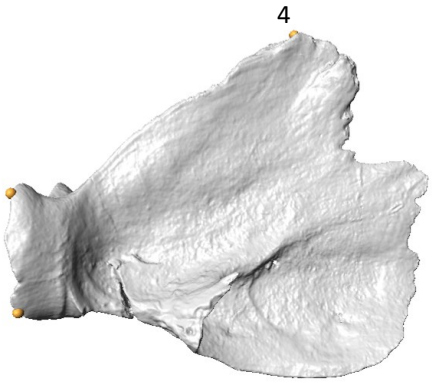
ANTERIOR VIEW

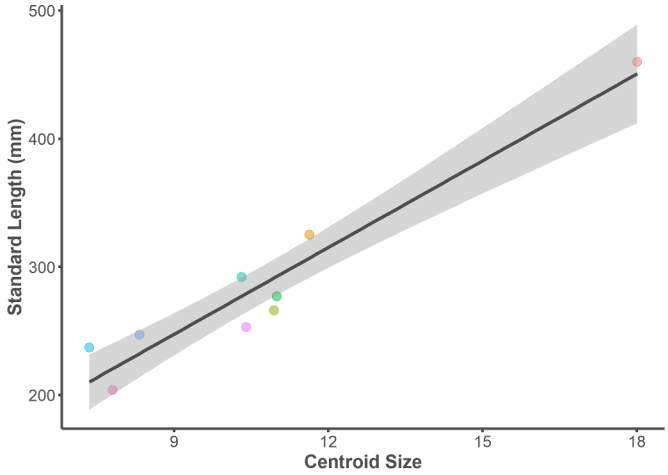


SPECIMEN INFORMATION

Site	Pottery Mound
Identifier	2005.27.157
Element	Urohyal
Centroid Size	19.67
R^2	0.92
Rho	0.88
Equation	y = 22.55x + 44.57
SL estimate (mm)	488.07

LATERAL VIEW

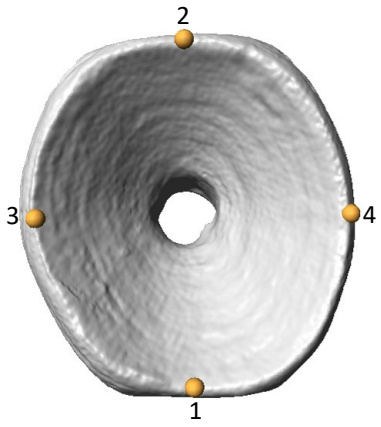




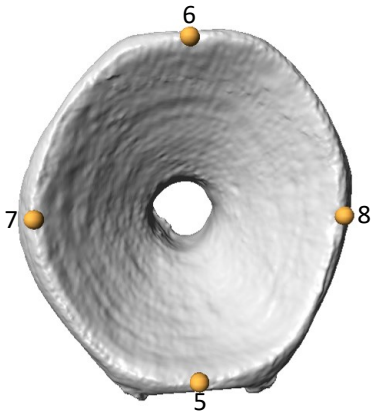
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Most superiolateral (right) point of facet that articulates with cartilage
2	Anterior	Most superiolateral (left) point of facet that articulates with cartilage
3	Anterior	Most inferiolateral (left) point of facet that articulates with cartilage
4	Lateral	Most superior point of a proximal portion

ANTERIOR VIEW

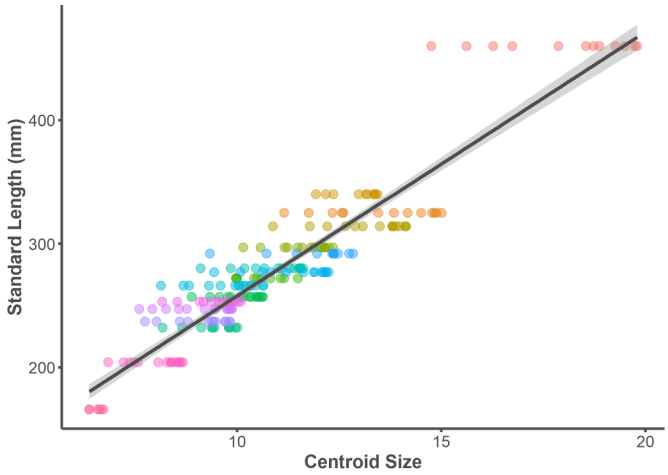


POSTERIOR VIEW



SPECIMEN INFORMATION

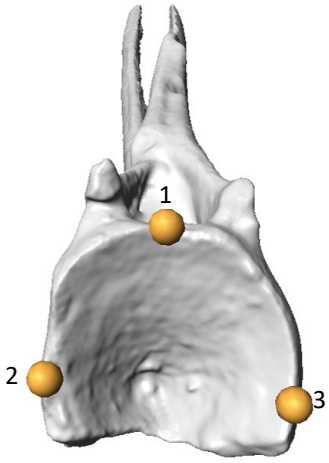
Site	Pottery Mound
Identifier	2005.27.158
Element	Caudal Vertebra
Centroid Size	15.74
R^2	0.86
Rho	0.91
Equation	y = 21.35x + 44.34
SL estimate (mm)	380.45



LANDMARK CONFIGURATION

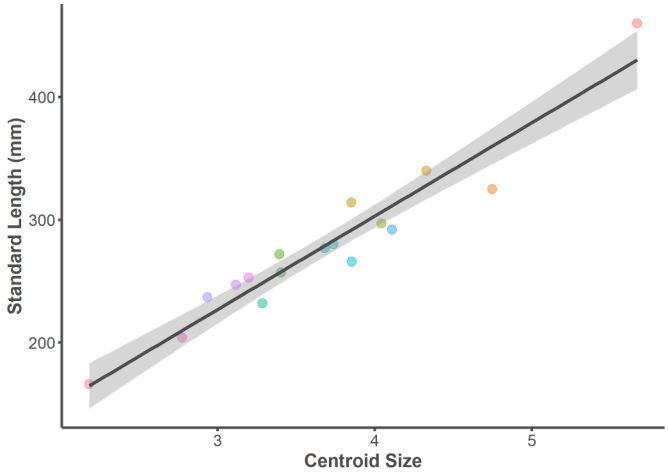
Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of centrum
2	Anterior	Most superior point of centrum
3	Anterior	Most lateral right point of centrum
4	Anterior	Most lateral left point of centrum
5	Posterior	Most inferior point of centrum
6	Posterior	Most superior point of centrum
7	Posterior	Most lateral left point of centrum
8	Posterior	Most lateral right point of centrum

ANTERIOR VIEW



SPECIMEN INFORMATION

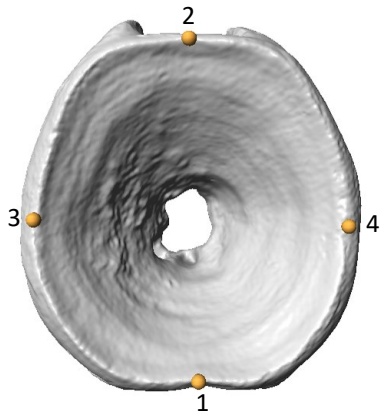
Site	Pottery Mound
Identifier	2005.27.161
Element	Ultimate Vertebra
Centroid Size	3.69
R^2	0.92
Rho	0.94
Equation	y = 76.16x − 1.53
SL estimate (mm)	279.78



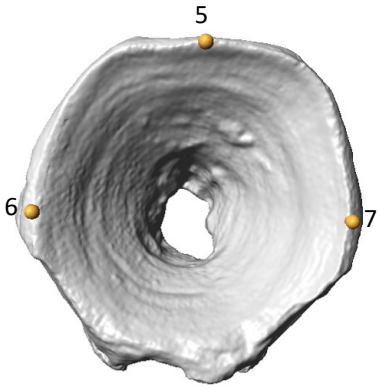
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Most superior point of centrum
2	Anterior	Most right lateral point of centrum
3	Anterior	Most left lateral point of centrum

ANTERIOR VIEW

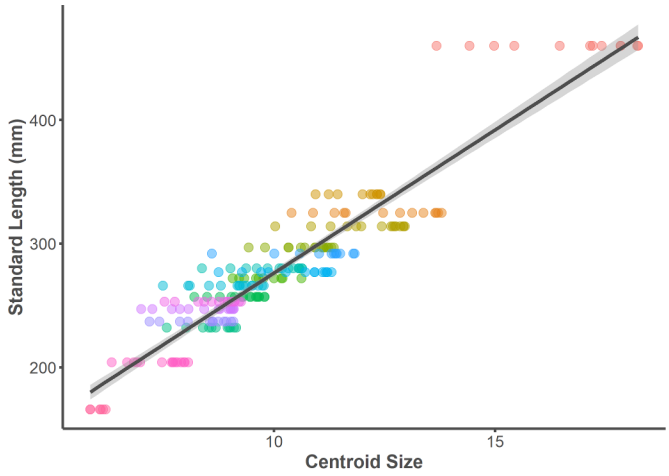


POSTERIOR VIEW



SPECIMEN INFORMATION

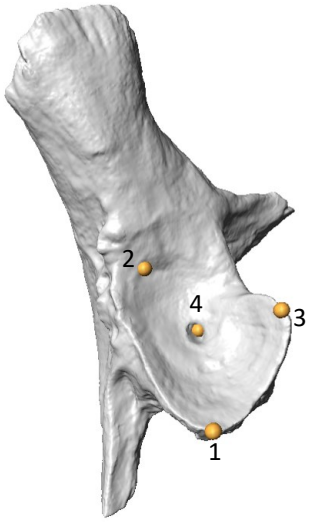
Site	Pottery Mound
Identifier	2005.27.165
Element	Caudal Vertebra
Centroid Size	16.89
R^2	0.87
Rho	0.92
Equation	y = 23.17x + 44.46
SL estimate (mm)	435.78



LANDMARK CONFIGURATION

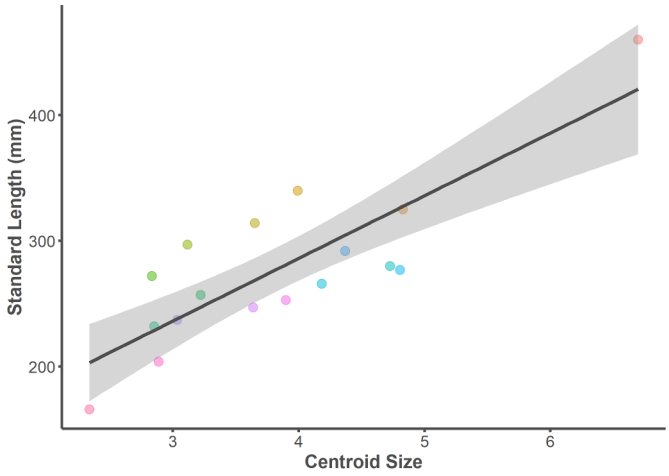
Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of centrum
2	Anterior	Most superior point of centrum
3	Anterior	Most lateral right point of centrum
4	Anterior	Most lateral left point of centrum
5	Posterior	Most superior point of centrum
6	Posterior	Most lateral left point of centrum
7	Posterior	Most lateral right point of centrum

ANTERIOMEDIAL VIEW



SPECIMEN INFORMATION

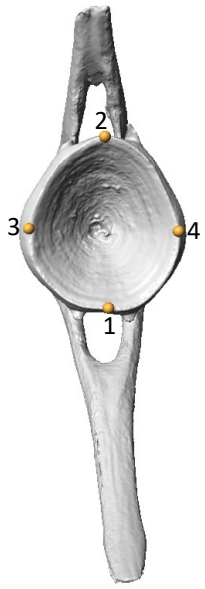
Site	Pottery Mound
Identifier	2005.27.168
Element	Opercle
Centroid Size	7.08
R^2	0.69
Rho	0.72
Equation	y = 49.87x + 86.66
SL estimate (mm)	469.77



LANDMARK CONFIGURATION

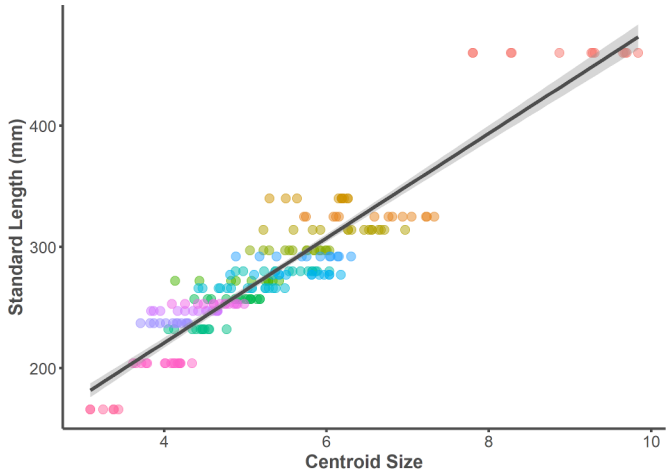
Landmark #	View	Anatomical Description
1	Anteriomedial	Most inferior point of hyomandibular facet
2	Anteriomedial	Most superiolateral point of hyomandibular facet
3	Anteriomedial	Most superiomedial point of hyomandibular facet
4	Anteriomedial	Deepest point of hyomandibular facet

POSTERIOR VIEW



SPECIMEN INFORMATION

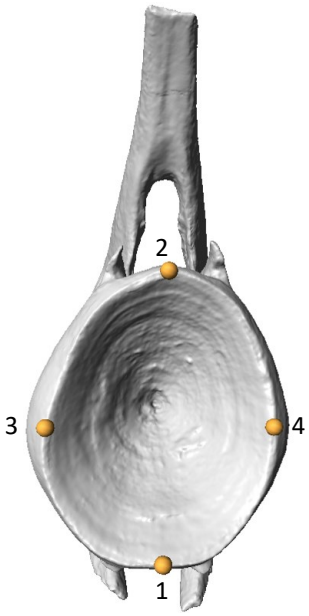
Site	Pottery Mound
Identifier	2005.27.169
Element	Caudal Vertebra
Centroid Size	8.96
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	435.30



LANDMARK CONFIGURATION

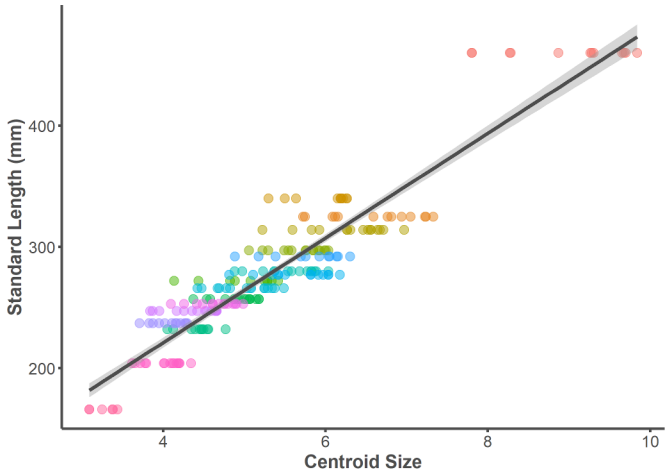
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

Site	Pottery Mound
Identifier	2005.27.169
Element	Caudal Vertebra
Centroid Size	8.90
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	432.68



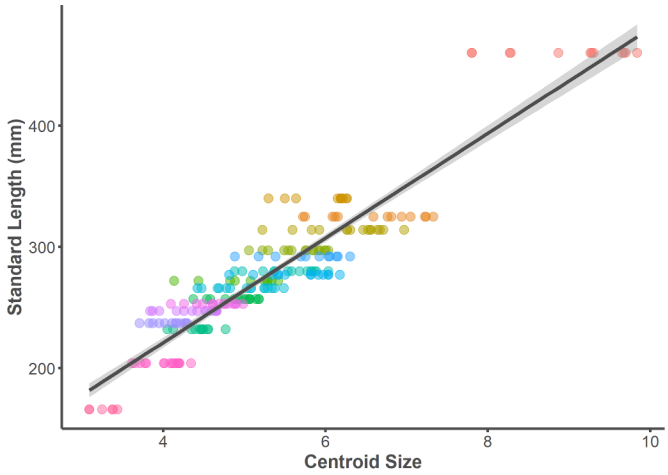
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW

SPECIMEN INFORMATION

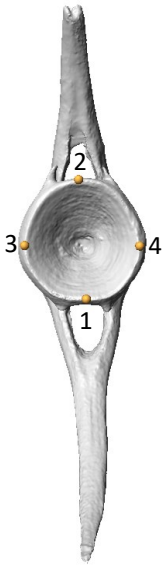
Site	Pottery Mound
Identifier	2005.27.169
Element	Caudal Vertebra
Centroid Size	6.36
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	323.06



LANDMARK CONFIGURATION

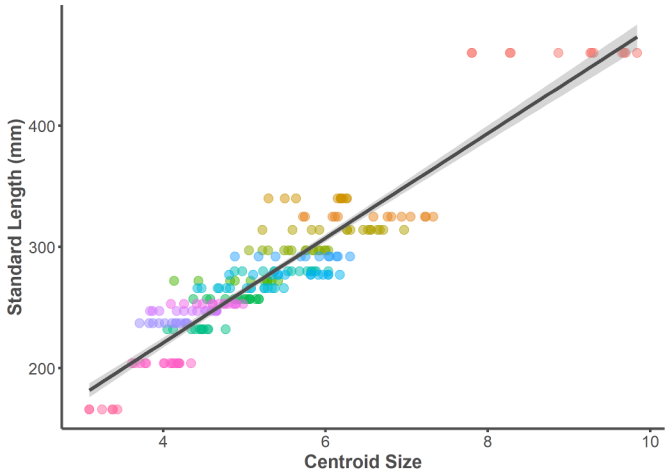
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

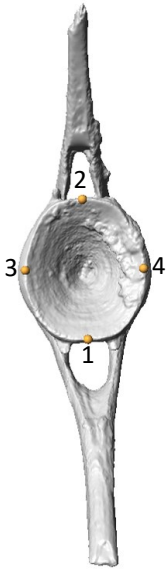
Site	Pottery Mound
Identifier	2005.27.169
Element	Caudal Vertebra
Centroid Size	6.28
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	319.70



LANDMARK CONFIGURATION

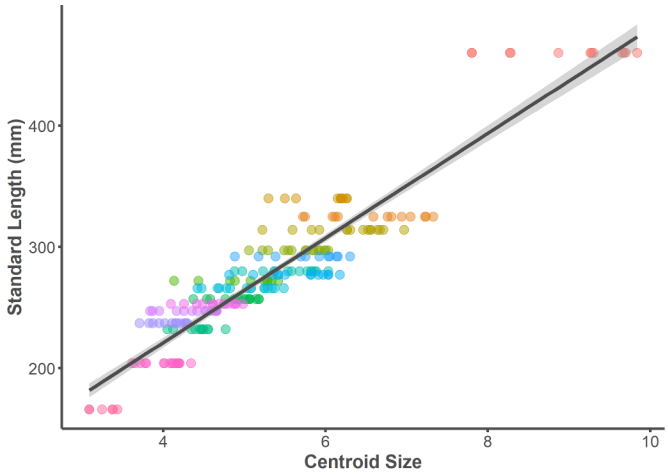
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

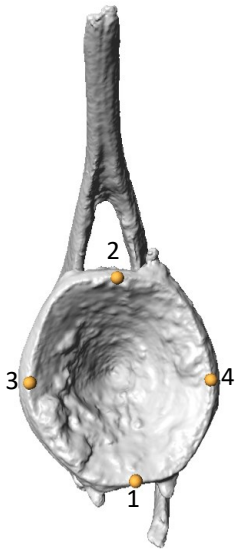
Site	Pottery Mound
Identifier	2005.27.173
Element	Caudal Vertebra
Centroid Size	8.00
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	393.66



LANDMARK CONFIGURATION

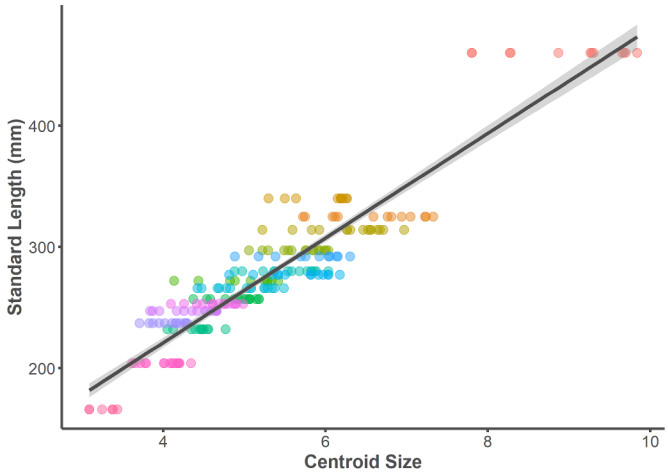
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

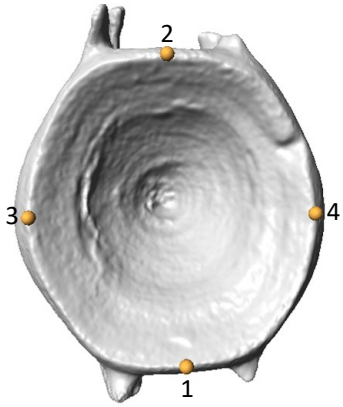
Site	Pottery Mound
Identifier	2005.27.173
Element	Caudal Vertebra
Centroid Size	7.46
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	370.38



LANDMARK CONFIGURATION

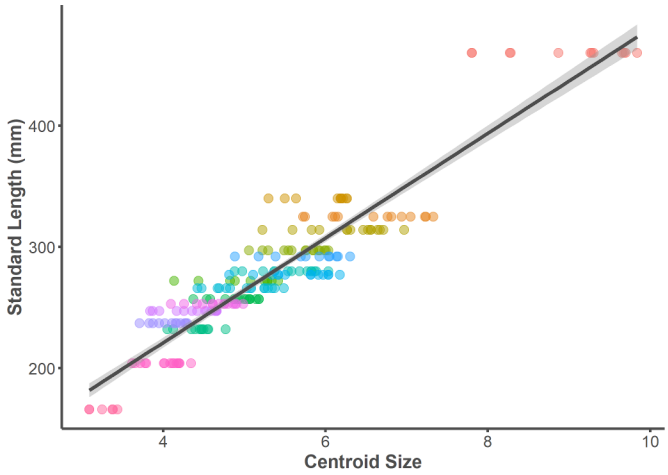
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

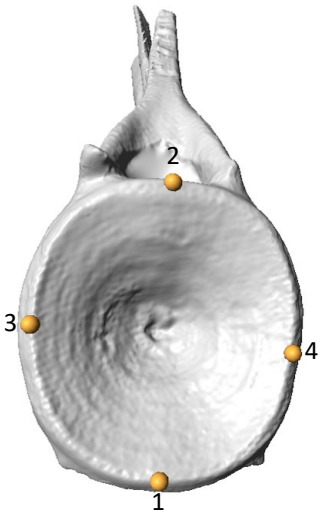
Site	Pottery Mound
Identifier	2005.27.331
Element	Caudal Vertebra
Centroid Size	7.54
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	373.87



LANDMARK CONFIGURATION

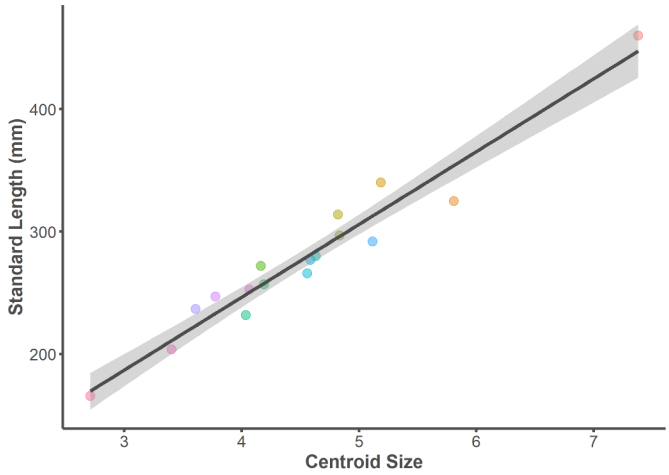
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

ANTERIOR VIEW



SPECIMEN INFORMATION

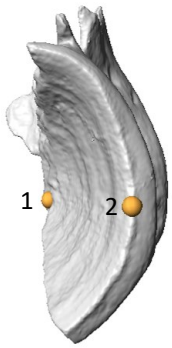
Site	Pottery Mound
Identifier	2005.27.331
Element	Ultimate Vertebra
Centroid Size	7.65
R^2	0.95
Rho	0.97
Equation	y = 59.44x + 8.80
SL estimate (mm)	463.64



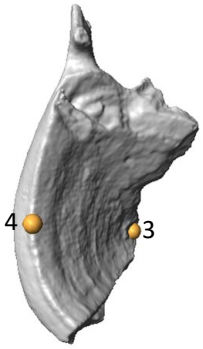
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of centrum
2	Anterior	Most superior point of centrum
3	Anterior	Most right lateral point of centrum
4	Anterior	Most left lateral point of centrum

ANTERIOR VIEW

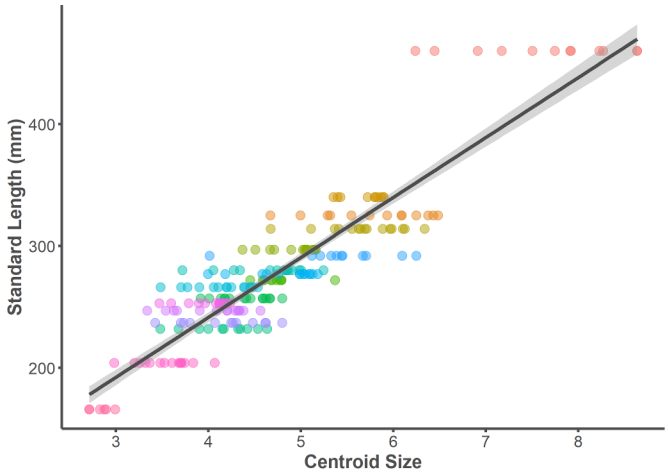


POSTERIOR VIEW



SPECIMEN INFORMATION

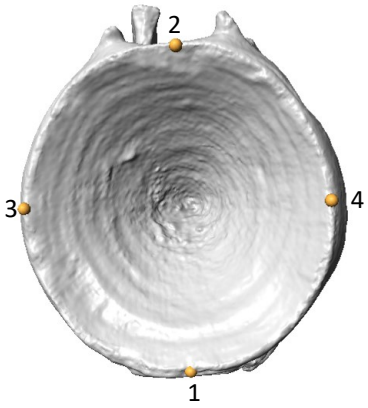
Site	Pottery Mound
Identifier	2005.27.458
Element	Caudal Vertebra
Centroid Size	8.86
R^2	0.82
Rho	0.87
Equation	y = 21.35x + 44.34
SL estimate (mm)	480.79



LANDMARK CONFIGURATION

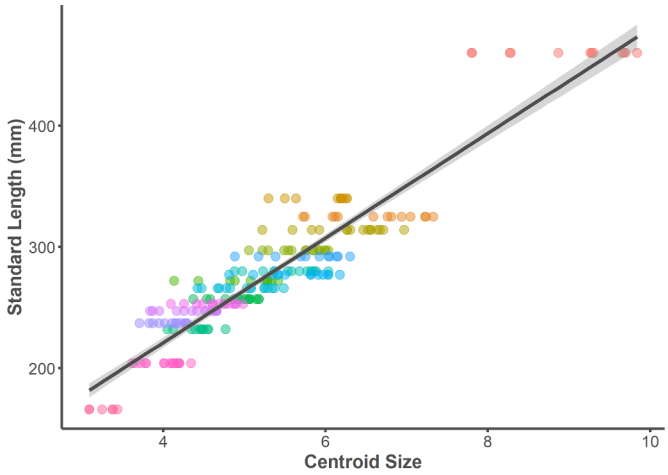
Landmark #	View	Anatomical Description
1	Anterior	Deepest point of centrum
2	Anterior	Most lateral left point of centrum
3	Posterior	Deepest point of centrum
4	Posterior	Most lateral left point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

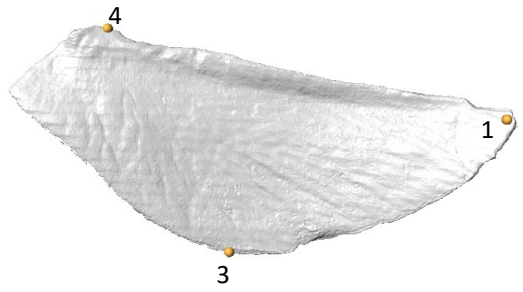
Site	Pottery Mound
Identifier	2007.46.1098
Element	Caudal Vertebra
Centroid Size	9.73
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	468.56



LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

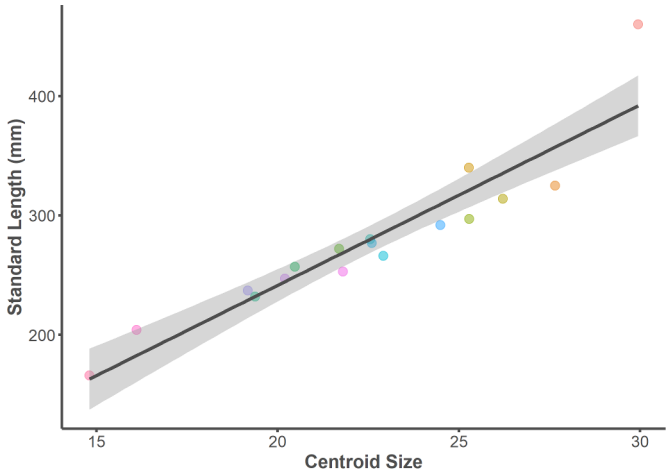
LATERAL VIEW



MEDIAL VIEW

SPECIMEN INFORMATION

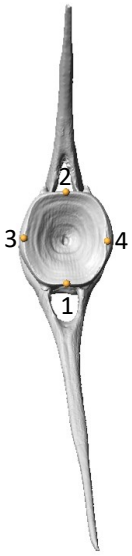
Site	Pottery Mound
Identifier	2007.46.1100
Element	Subopercle
Centroid Size	32.93
R^2	0.87
Rho	0.96
Equation	y = 43.17x + 48.47
SL estimate (mm)	437.01



LANDMARK CONFIGURATION

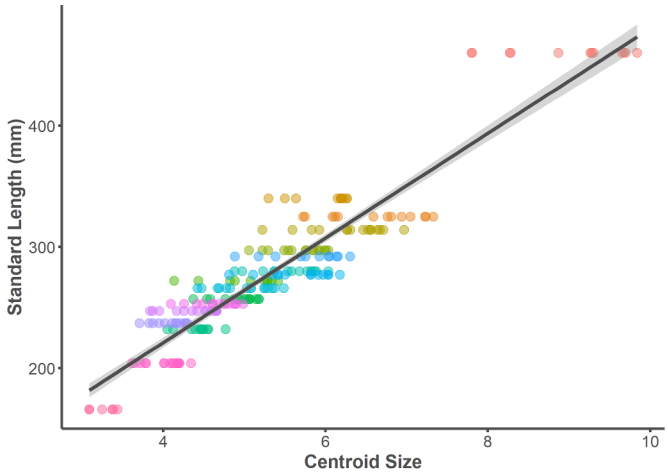
Landmark #	View	Anatomical Description
1	Lateral	Most posterior point (laterally oriented)
2	Medial	Most posterior point (medially oriented)
3	Lateral	Most inferior point
4	Lateral	Most posterior point of the base of dorsal process

POSTERIOR VIEW



SPECIMEN INFORMATION

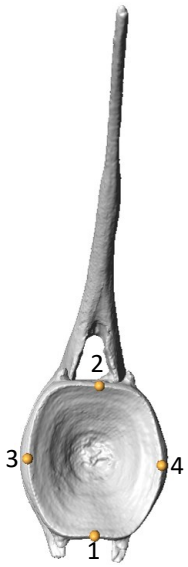
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	8.48
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	414.56



LANDMARK CONFIGURATION

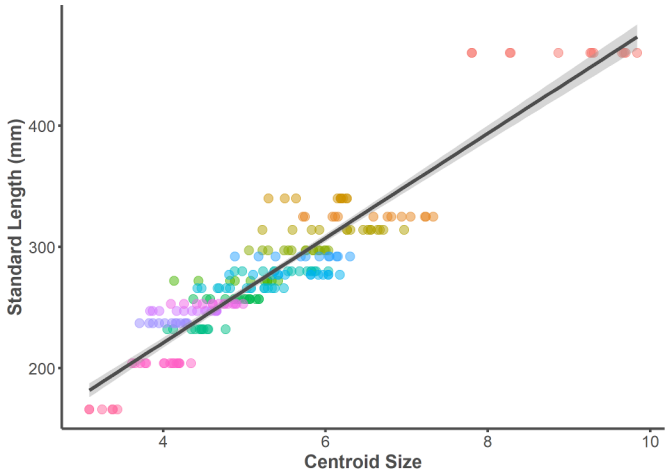
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

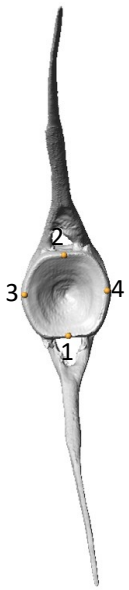
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	8.17
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	401.04



LANDMARK CONFIGURATION

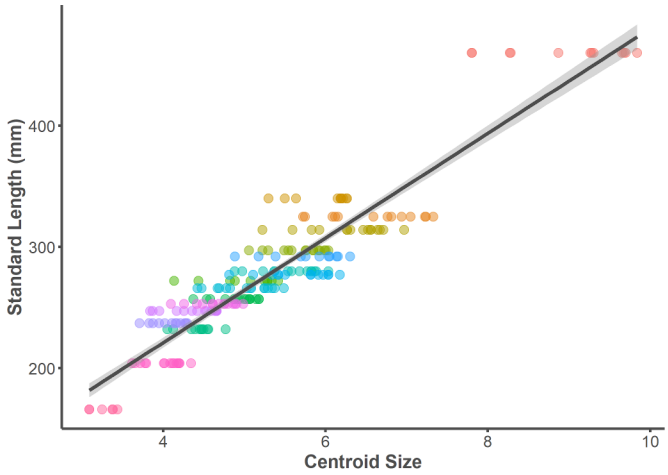
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

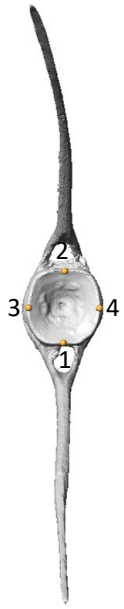
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	7.79
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	384.60



LANDMARK CONFIGURATION

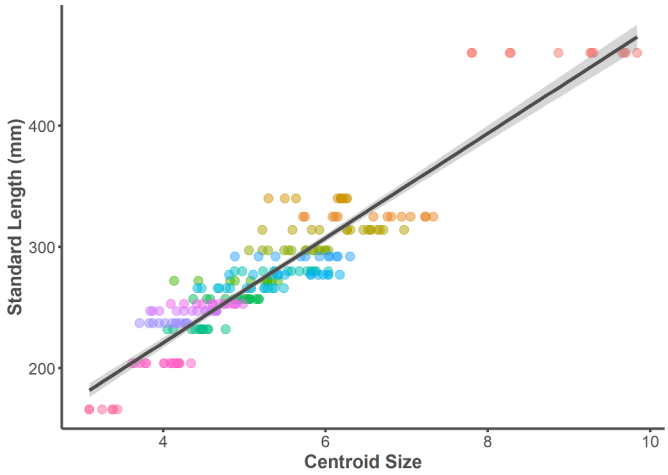
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

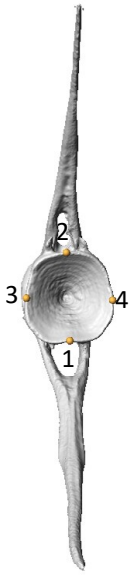
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	7.39
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	367.40



LANDMARK CONFIGURATION

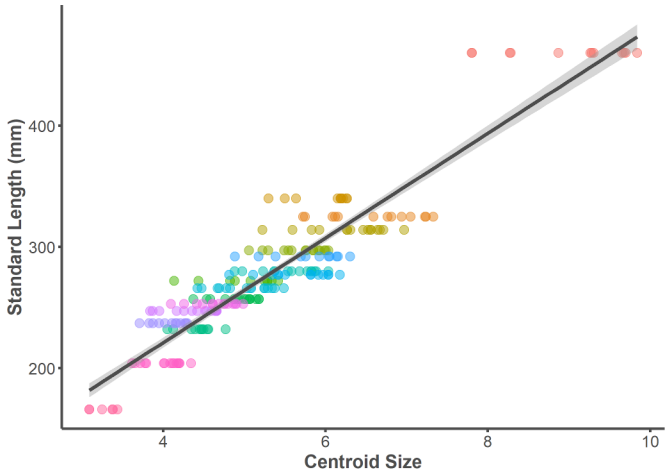
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

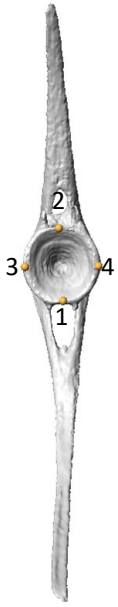
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	5.85
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	300.82



LANDMARK CONFIGURATION

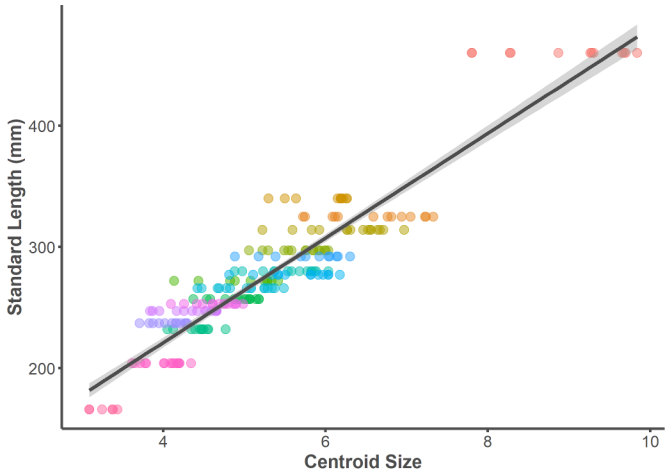
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

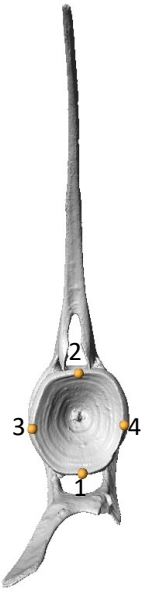
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	3.30
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	191.04



LANDMARK CONFIGURATION

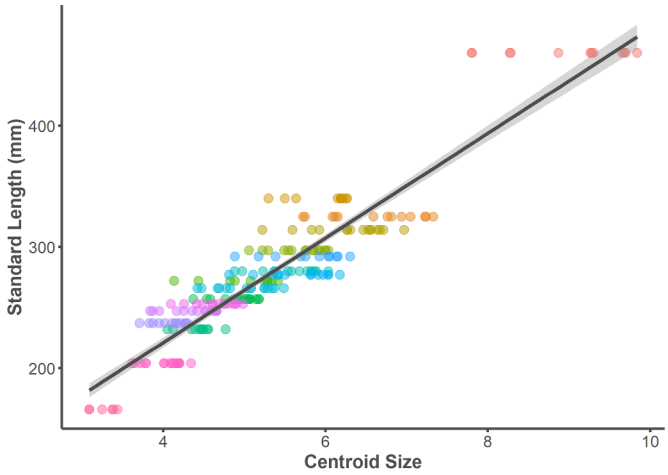
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

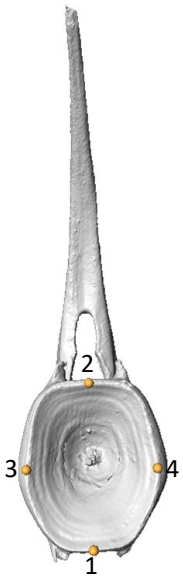
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	9.63
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	464.34



LANDMARK CONFIGURATION

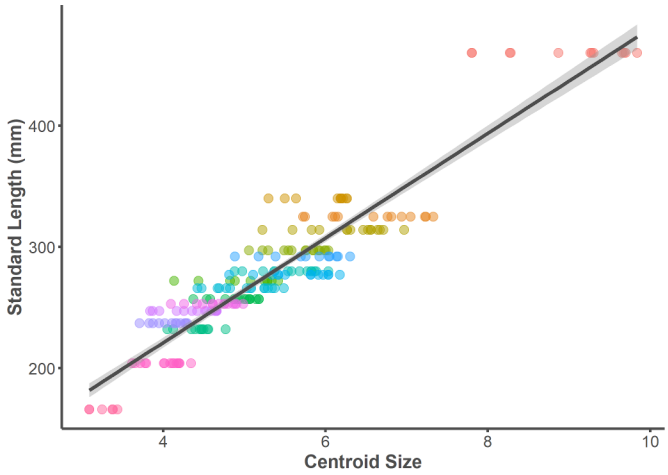
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

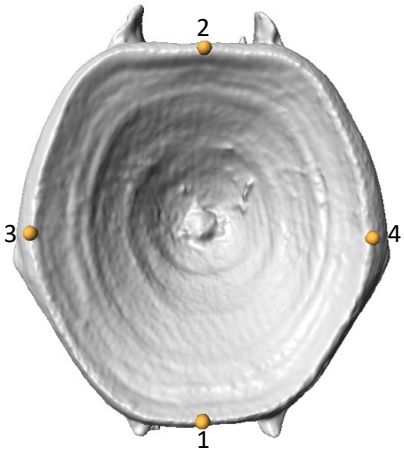
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	9.64
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	464.91



LANDMARK CONFIGURATION

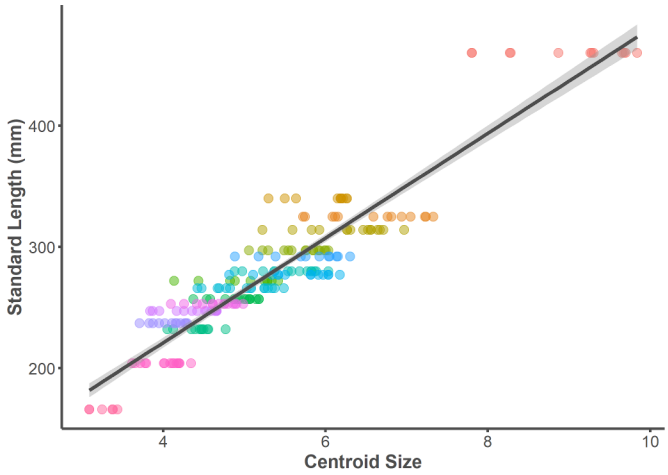
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

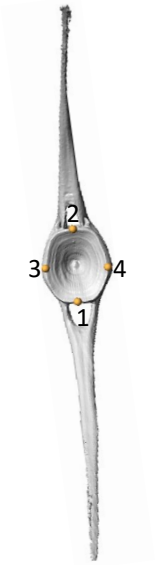
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	9.96
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	478.27



LANDMARK CONFIGURATION

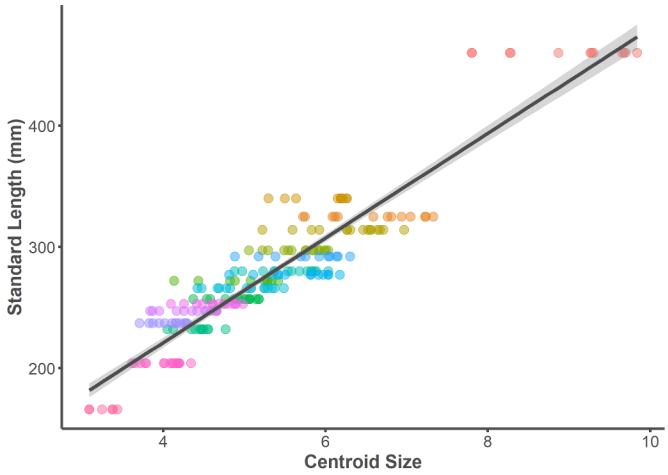
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

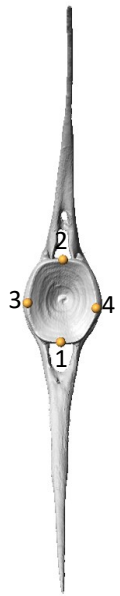
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	9.55
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	460.70



LANDMARK CONFIGURATION

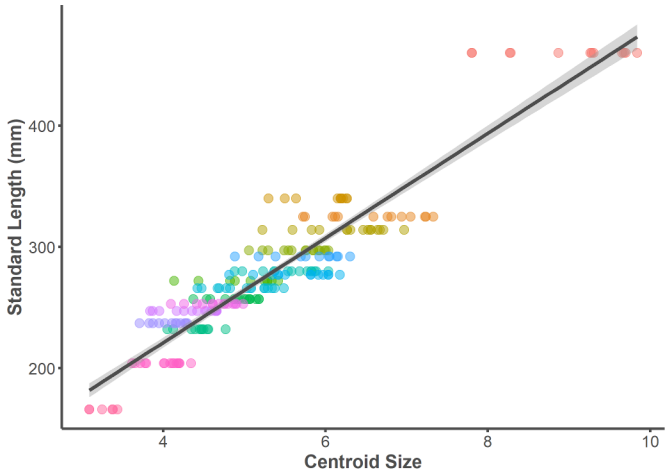
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

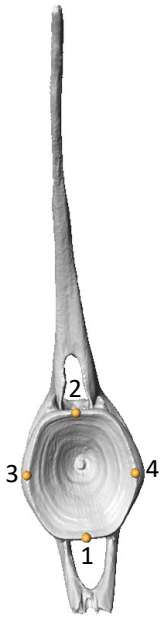
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	9.20
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	445.48



LANDMARK CONFIGURATION

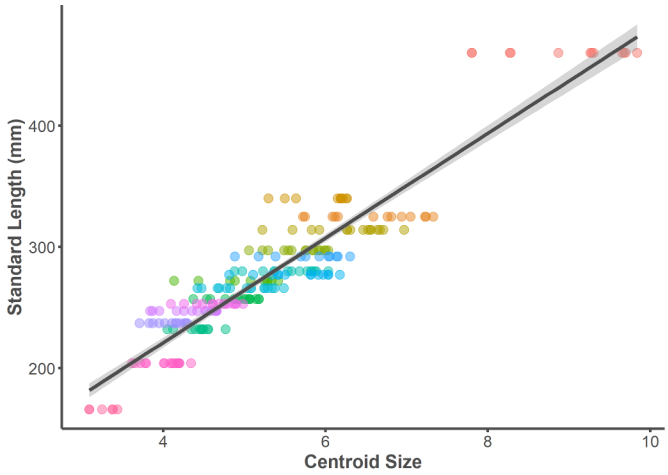
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

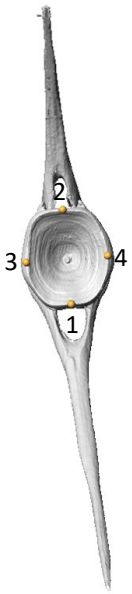
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	9.51
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	459.00



LANDMARK CONFIGURATION

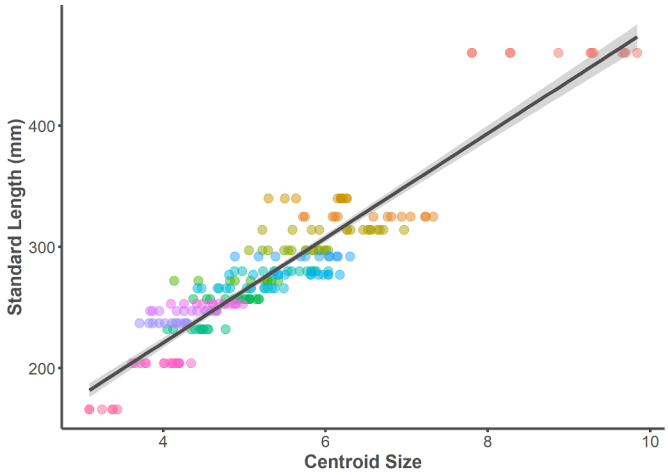
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

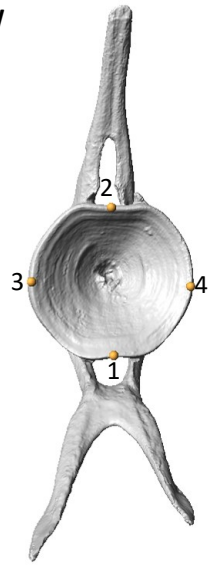
Site	Pottery Mound
Identifier	2007.46.2161
Element	Caudal Vertebra
Centroid Size	8.97
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	433.40



LANDMARK CONFIGURATION

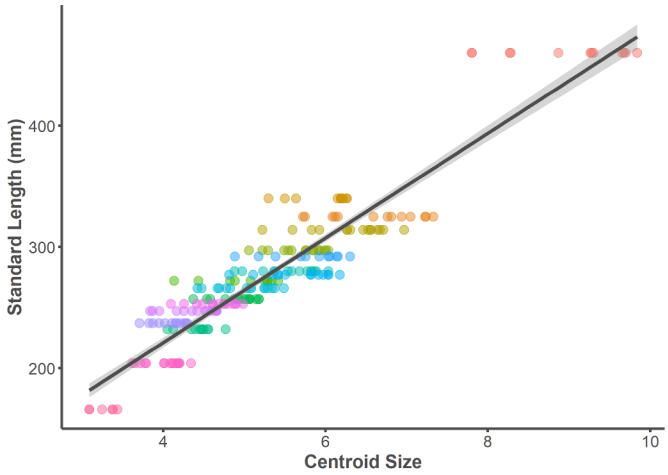
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

POSTERIOR VIEW



SPECIMEN INFORMATION

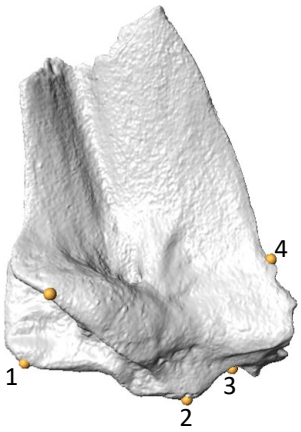
Site	Pottery Mound
Identifier	2007.46.2207
Element	Caudal Vertebra
Centroid Size	10.66
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	508.51



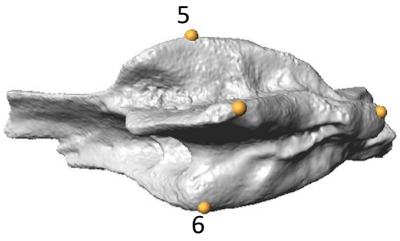
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

DORSAL VIEW

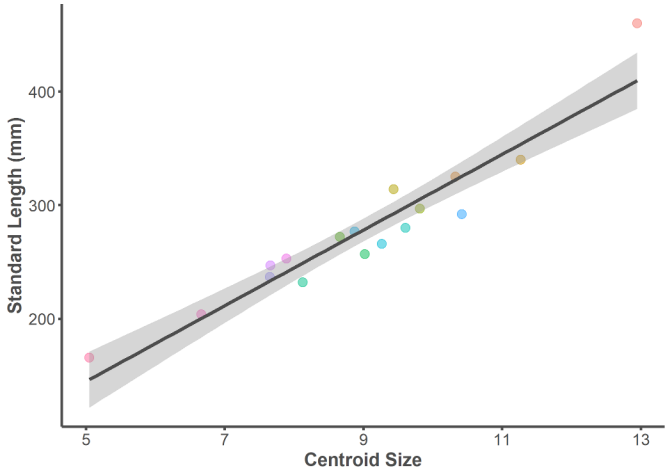


POSTERIOLATERAL VIEW



SPECIMEN INFORMATION

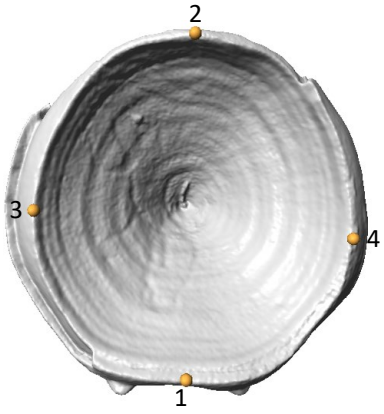
Site	Pottery Mound
Identifier	2007.46.3104
Element	Basipterygium
Centroid Size	12.62
R^2	0.90
Rho	0.94
Equation	y = 33.31x − 21.54
SL estimate (mm)	398.77



LANDMARK CONFIGURATION

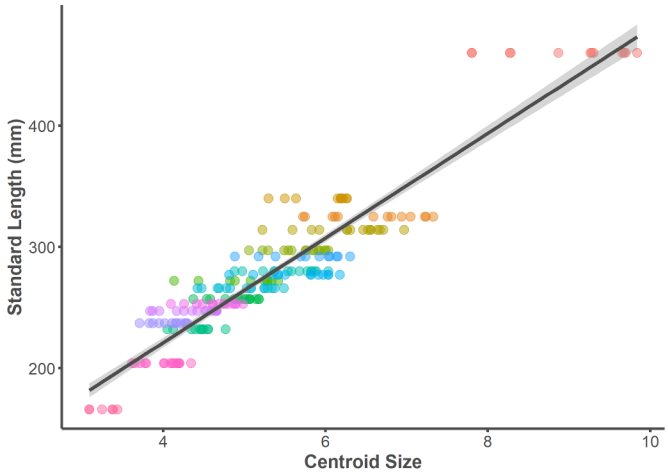
Landmark #	View	Anatomical Description
1	Dorsal	Most inferiolateral point on distal portion
2	Doral	Most inferior point on distal portion
3	Dorsal	Highest point where arm of external process and body of basipterygium meet on distal portion
4	Dorsal	Lowest point where arm of external process and body of basipterygium meet on distal portion
5	Posteriolateral	Most proximal point
6	Posteriolateral	Most distal point

POSTERIOR VIEW



SPECIMEN INFORMATION

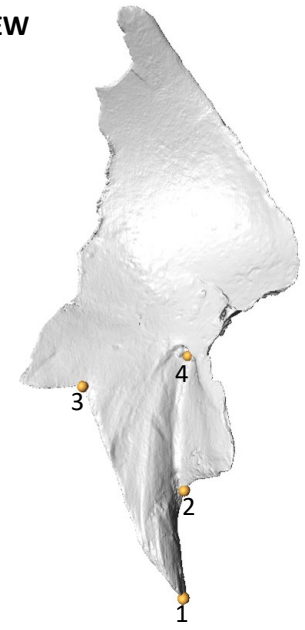
Site	Pottery Mound
Identifier	2007.46.3442
Element	Caudal Vertebra
Centroid Size	11.28
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	535.31



LANDMARK CONFIGURATION

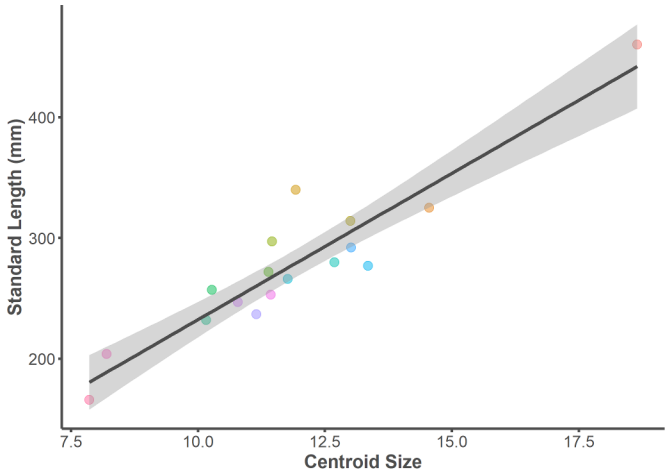
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

ANTERIOR VIEW



SPECIMEN INFORMATION

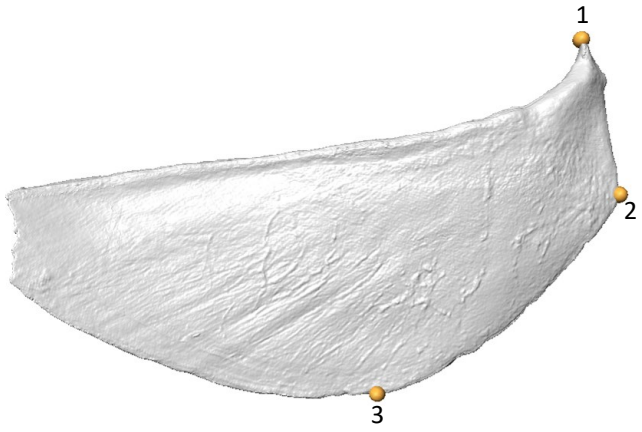
Site	Pottery Mound
Identifier	2007.46.4008
Element	Cleithrum
Centroid Size	20.57
R^2	0.87
Rho	0.88
Equation	y = 24.24x − 9.90
SL estimate (mm)	488.75



LANDMARK CONFIGURATION

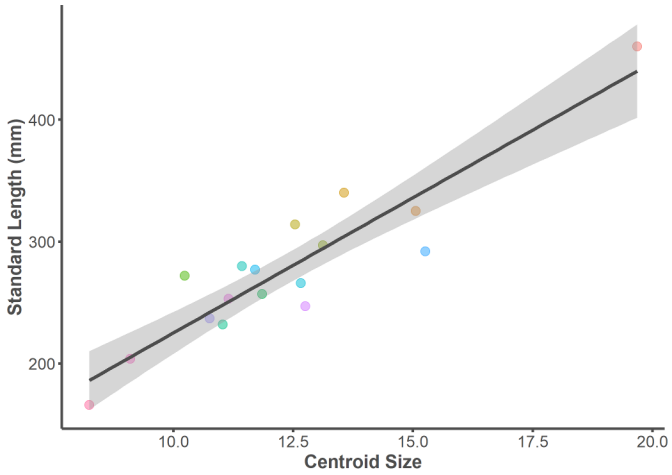
Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of coracoid articular process
2	Anterior	Most lateral point where coracoid articular process and cleithrum body meet
3	Anterior	Most medial point where coracoid articular process and cleithrum body meet
4	Anterior	Deepest point of cleithrum body distal portion

LATERAL VIEW



SPECIMEN INFORMATION

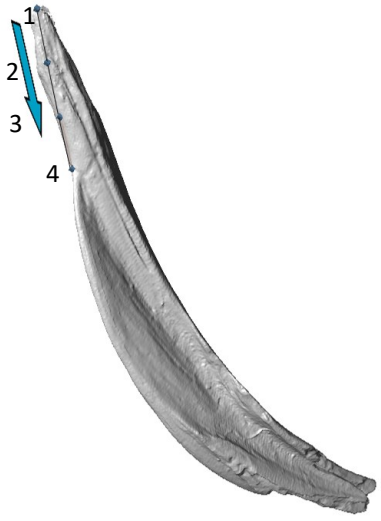
Site	Pottery Mound
Identifier	2007.46.4164
Element	Subopercle
Centroid Size	22.47
R^2	0.84
Rho	0.81
Equation	y = 22.16x + 3.66
SL estimate (mm)	501.69



LANDMARK CONFIGURATION

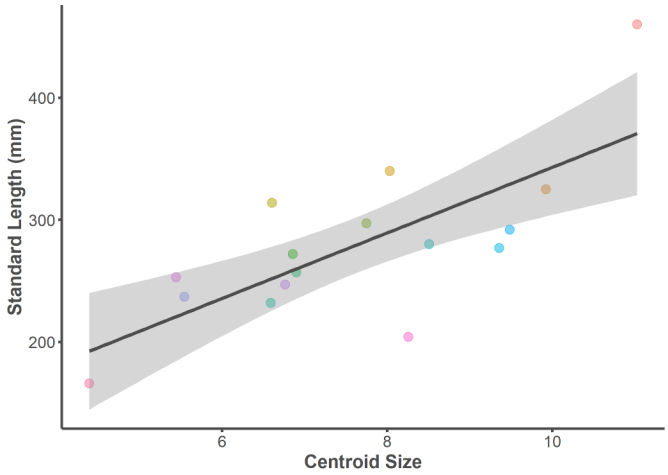
Landmark #	View	Anatomical Description
1	Lateral	Most superior point of dorsal process
2	Lateral	Most inferioanterior point of anterior portion
3	Lateral	Most inferior point

LATERAL VIEW



SPECIMEN INFORMATION

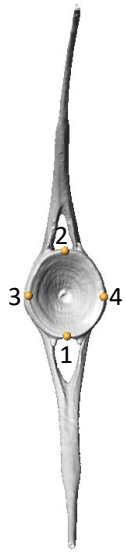
Site	Kuaua
Identifier	Bk.70.71
Element	Cleithrum
Centroid Size	8.11
R^2	0.53
Rho	0.66
Equation	y = 26.86x + 74.48
SL estimate (mm)	292.29



LANDMARK CONFIGURATION

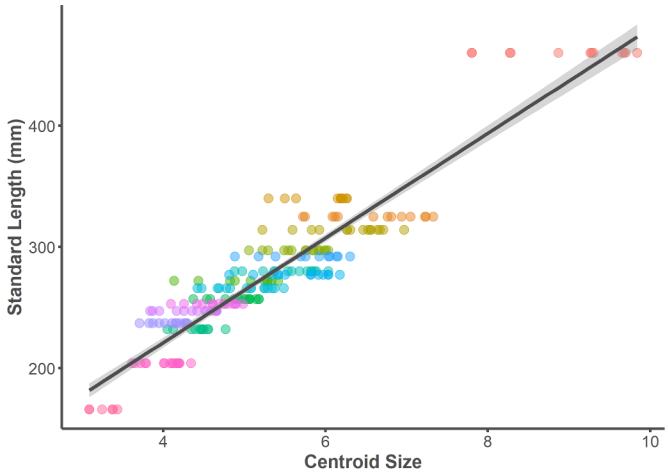
Landmark #	View	Anatomical Description
1 – 4	Lateral	Semi-landmark : 4 landmarks from superior point of cleithrum to deepest anterior point before posterior arch on proximal portion

POSTERIOR VIEW



SPECIMEN INFORMATION

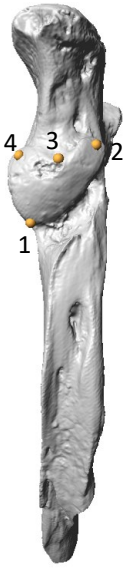
Site	Kuaua
Identifier	Bk.70.71
Element	Caudal Vertebra
Centroid Size	6.43
R^2	0.87
Rho	0.92
Equation	y = 43.17x + 48.47
SL estimate (mm)	326.11



LANDMARK CONFIGURATION

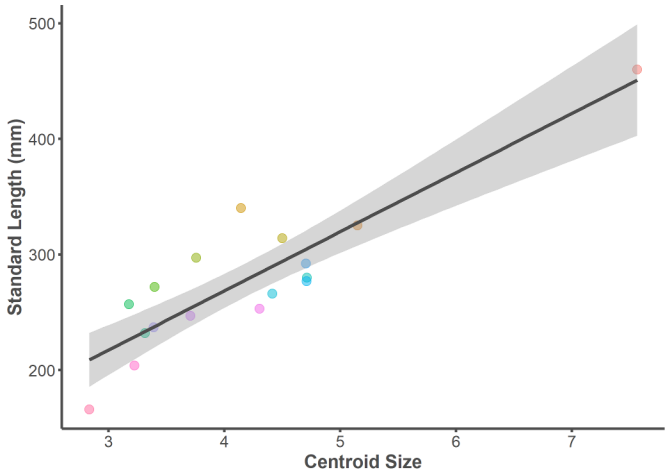
Landmark #	View	Anatomical Description
1	Posterior	Most inferior point of centrum
2	Posterior	Most superior point of centrum
3	Posterior	Most lateral left point of centrum
4	Posterior	Most lateral right point of centrum

ANTERIOR VIEW



SPECIMEN INFORMATION

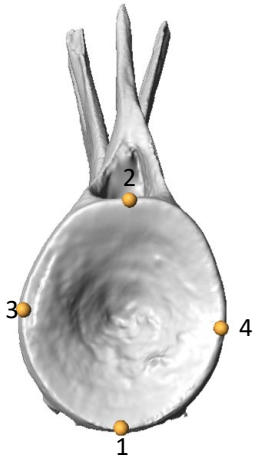
Site	Kuaua
Identifier	Bk.70.71
Element	Hyomandibular
Centroid Size	5.13
R^2	0.79
Rho	0.78
Equation	y = 51.16x + 63.92
SL estimate (mm)	326.53



LANDMARK CONFIGURATION

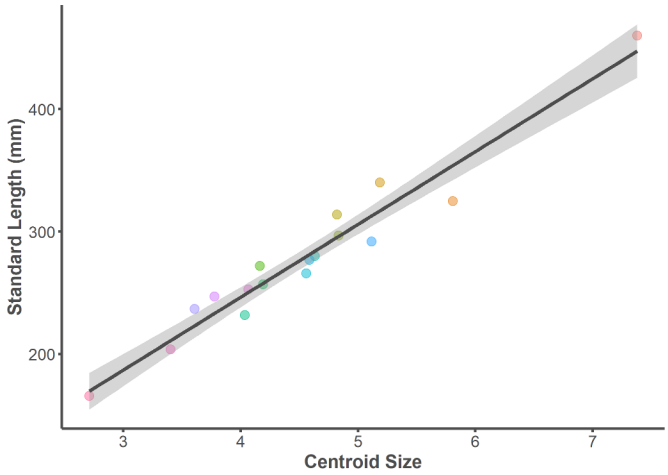
Landmark #	View	Anatomical Description
1	Anterior	Most inferiomedial point of articulation head for opercle
2	Anterior	Most superiolateral point of articulation head for opercle
3	Anterior	Deepest point in the superior portion of the articulation head for opercle
4	Anterior	Most superiomedial point of articulation head for opercle

ANTERIOR VIEW



SPECIMEN INFORMATION

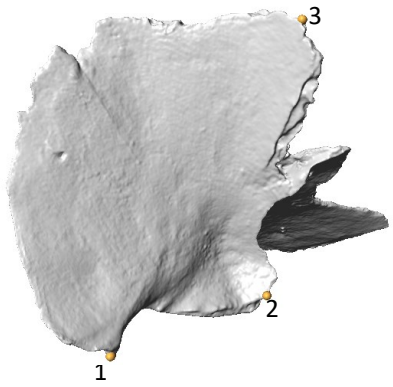
Site	Kuaua
Identifier	Bk.70.71
Element	Ultimate Vertebra
Centroid Size	5.44
R^2	0.95
Rho	0.97
Equation	y = 59.44x + 8.80
SL estimate (mm)	331.89



LANDMARK CONFIGURATION

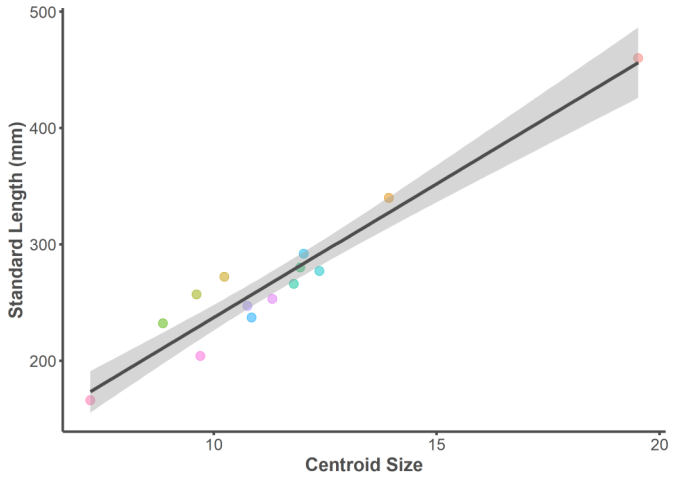
Landmark #	View	Anatomical Description
1	Anterior	Most inferior point of centrum
2	Anterior	Most superior point of centrum
3	Anterior	Most right lateral point of centrum
4	Anterior	Most left lateral point of centrum

LATERAL VIEW



SPECIMEN INFORMATION

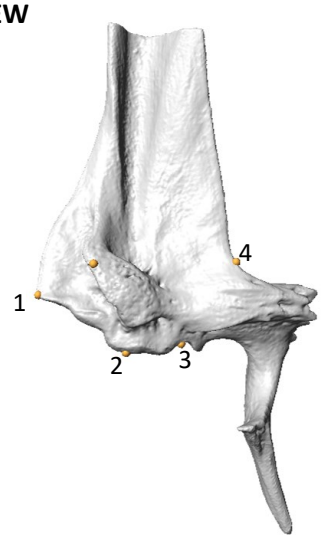
Site	Kuaua
Identifier	Bk.70.71
Element	Metapterygoid
Centroid Size	14.09
R^2	0.93
Rho	0.87
Equation	y = 23.02x + 6.88
SL estimate (mm)	331.21



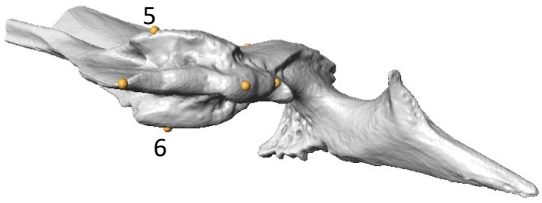
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Lateral	Most inferior point
2	Lateral	Most inferioanterior point
3	Lateral	Most superioanterior point

DORSAL VIEW

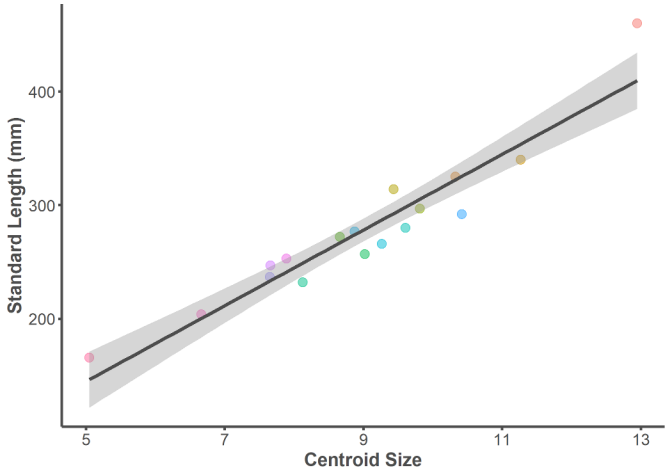


POSTERIOLATERAL VIEW



SPECIMEN INFORMATION

Site	Chamisal
Identifier	1304
Element	Basipterygium
Centroid Size	10.89
R^2	0.90
Rho	0.94
Equation	y = 33.31x − 21.54
SL estimate (mm)	341.36



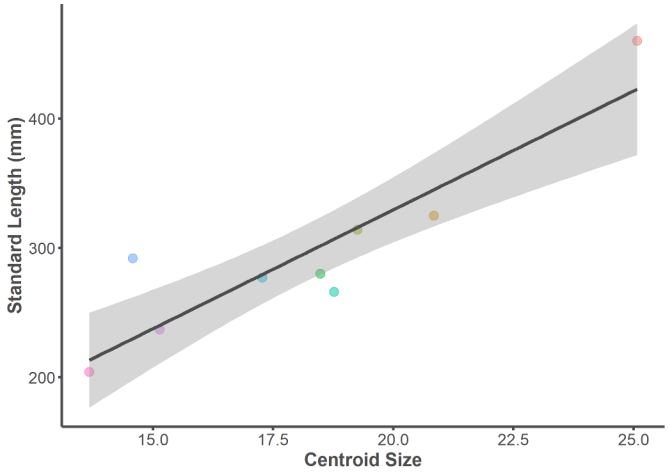
LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Dorsal	Most inferiolateral point on distal portion
2	Doral	Most inferior point on distal portion
3	Dorsal	Highest point where arm of external process and body of basipterygium meet on distal portion
4	Dorsal	Lowest point where arm of external process and body of basipterygium meet on distal portion
5	Posteriolateral	Most proximal point
6	Posteriolateral	Most distal point

VENTRAL VIEW

SPECIMEN INFORMATION

Site	Chamisal
Identifier	1554
Element	Ultimate Vertebra
Centroid Size	19.17
R^2	0.81
Rho	0.78
Equation	y = 18.39x − 38.22
SL estimate (mm)	314.26



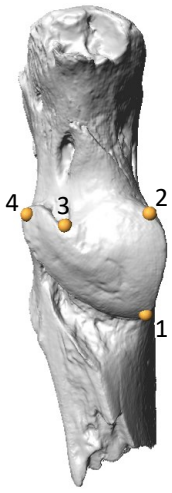
LANDMARK CONFIGURATION

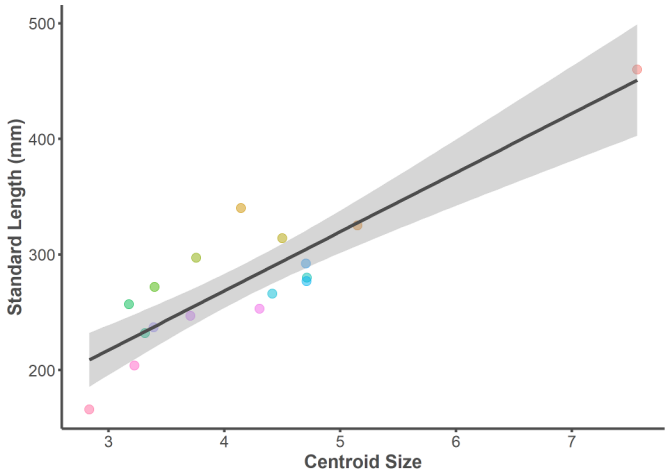
Landmark #	View	Anatomical Description
1	Ventral	Most inferior point of ventral process
2	Ventral	Most right lateral point of transverse process
3	Ventral	Most left lateral point of transverse process
4	Ventral	Most posterior point

SPECIMEN INFORMATION

Site	Chamisal
Identifier	1567
Element	Hyomandibular
Centroid Size	8.21
R^2	0.79
Rho	0.78
Equation	y = 51.16x + 63.92
SL estimate (mm)	484.12

ANTERIOR VIEW

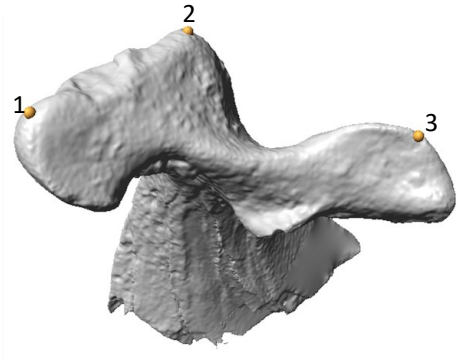




LANDMARK CONFIGURATION

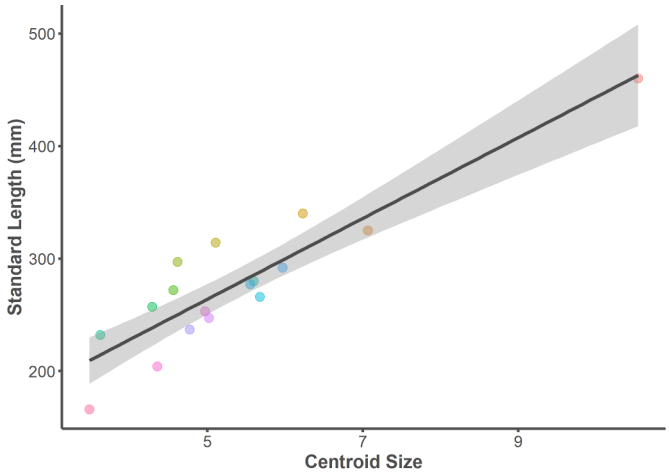
Landmark #	View	Anatomical Description
1	Anterior	Most inferiomedial point of articulation head for opercle
2	Anterior	Most superiolateral point of articulation head for opercle
3	Anterior	Deepest point in the superior portion of the articulation head for opercle
4	Anterior	Most superiomedial point of articulation head for opercle

DORSOMEDIAL VIEW



SPECIMEN INFORMATION

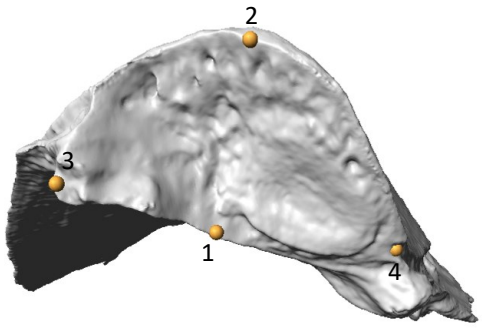
Site	Chamisal
Identifier	523
Element	Maxilla
Centroid Size	9.69
R^2	0.83
Rho	0.80
Equation	y = 35.90x + 84.54
SL estimate (mm)	432.34



LANDMARK CONFIGURATION

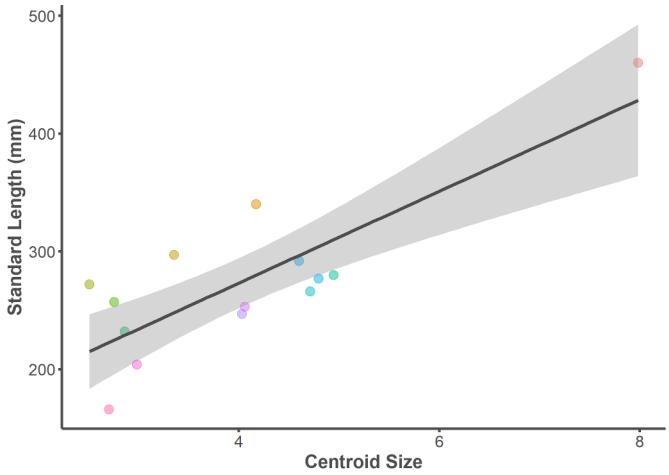
Landmark #	View	Anatomical Description
1	Dorsomedial	Most proximoposterior point of cartilage site
2	Dorsomedial	Most proximoanterior point of cartilage site
3	Dorsomedial	Most proximolateral point of opposite fellow articulation

ANTERIOR VIEW



SPECIMEN INFORMATION

Site	Hummingbird
Identifier	FN51
Element	Entopterygoid
Centroid Size	7.15
R^2	0.67
Rho	0.62
Equation	y = 38.94x + 117.45
SL estimate (mm)	395.94



LANDMARK CONFIGURATION

Landmark #	View	Anatomical Description
1	Anterior	Middle inferior point of anterior facet
2	Anterior	Middle superior point of anterior facet
3	Anterior	Most medial point of anterior facet
4	Anterior	Most lateral point of anterior facet