Reported_size.csv (contains raw input data retrieved from literature)	
Column name	**Description**
Overall_group	Assignment of species to either "Hyaenodonta_and_Oxyaenida" or "Carnivoramorpha"
Family	Assignment of species to family following Faurby et al (2019)
Genus	Assignment of species to genus following Faurby et al (2019)
Species	Name of species following Faurby et al (2019)
Size_NOW	Body mass of species following NOW in kg
Size_Smith	Body mass of species following Smith et al 2018 in kg
Size_Phylacine	Body mass of species following Faurby et al 2018 in kg
P4	Length of fourth upper premolar in mm
M1	Length of first upper molar in mm
M2	Length of second upper molar in mm
m1	Length of first lower molar in mm
m2	Length of second lower molar in mm
m3	Length of third lower molar in mm
m1-m3	Length of lower molar row (m1 to m3 for species possessing a m3 and m1 to m2 for species lacking it) in mm
Source_P4	The source for data on P4
Note_P4	Information on how the value was retrieved. This is listed as "Inferred based on figure", "Mean of means", "Midpoint of range", "Reported mean" or "Reported value". Reported value and reported mean are directly taken from paper based on one or more specimens respectively, Midpoint of range" is halfway between largest and smallest specimen, "Mean of means" is the mean of all reported means and "Inferred based on figure" denotes cases where values are not listed and sizes were inferred from us based on a figure or picture from the paper.
Source_M1	The source for data on M3
Note_M1	Same as for Note_P4.
Source_M2	The source for data on M2
Note_M2	Same as for Note_P4
Source_m1	The source for data on m1
Note_m1	Same as for Note_P4. but with one additional category “Calculated as m1-m3 divided by number of lower carnassial teeth
Source_m2	The source for data on m2
Note_m2	Same as for Note_m1
Source_m3	The source for data on m2
Note_m3	Same as for Note_ m1
Source_m1-m3	The source for data on m1-m3
Note_m1-m3	Same as for Note_P4
Status	Most species listed as "Accepted". Five species accepted by Faurby et al (2019) but not here listed as "Objective_synonym". The single species where we could not track down the paper describing it is listed as "Missing data"

Bone_size_Hyaenodonta_and_Oxyaenida.csv (contains mean sizes of long bones of selected species of Hyanodonta and Oxyaenida based on personal measurement by Michael Morlo)	
Column name	**Description**
Family	Assignment of species to family following Faurby et al (2019)
Species	Assignment of species to genus following Faurby et al (2019)
anteroposterior_width_of_Humerus	Mean size of specimens of species measured in mm
mesiolateral_width_of_Humerus	Mean size of specimens of species measured in mm
anteroposteriorer_cross_sectional_width_of_humeral_bone_cavity	Mean size of specimens of species measured in mm
mesiolateraler_cross_sectional_width_of_humeral_bone_cavity	Mean size of specimens of species measured in mm
length_of_humerus	Mean size of specimens of species measured in mm
length_of_ulna	Mean size of specimens of species measured in mm
anteroposterior_width_of_femur	Mean size of specimens of species measured in mm
mesiolateral_width_of_femur	Mean size of specimens of species measured in mm
anteroposteriorer_cross_sectional_width_of_femoral_bone_cavity	Mean size of specimens of species measured in mm
mesiolateraler_cross_sectional_width_of_femoral_bone_cavity	Mean size of specimens of species measured in mm
length_of_femur	Mean size of specimens of species measured in mm
length_of_tibia	Mean size of specimens of species measured in mm
FCA	Calculated femur cortical cross-sectional area in mm^2
HCA	Calculated humerus cortical cross-sectional area in mm^2
FDA	Calculated femur distal articular (condylar) area in mm^2
HAD	Calculated humerus distal articular (condylar) area in mm^2

Precise_body_mass_Carnivoramorpha.csv (Contains estimated sizes of extinct Carnivoramorpha based on long bone measurements, and measured body masses for extant carnivores)	
Column name	**Description**
Family	Assignment of species to family following Faurby et al (2019)
Genus	Assignment of species to genus following Faurby et al (2019)
Species	Name of species following Faurby et al (2019)
Size	Size in kg
Source	Source of data
Note	Specification of how the number was derived for each species

References.csv (The references of all information]	
Column name	**Description**
Auhtor	Authors or reference
Year	Publication year
Journal	Journal paper was pubpished in (listed as “book” for non-journal sources)
Paper	Title of paper (or book)

Inferred_Size_ Hyaenodonta_and_Oxyaenida.csv (The inferred size of all species of Hyanodonta or Oxyaenida)	
Column name	**Description**
Family	Assignment of species to family following Faurby et al (2019)
Genus	Assignment of species to genus following Faurby et al (2019)
Species	Name of species following Faurby et al (2019)
Data_type	Information on how the size measurement was estimated. This is listed as "Inferred_Complete", "Inferred_Partial", "Inferred_Phylogeny" or "Measured". Measured means that the size was estimated based on measurements from long bones. Inferred_Complete means that all lower carnassial teeth had data available so size could be directly inferred. Inferred_Partial means that at least one lower carnassial teeth had its size inferred before the mean size of carnassial teeth could be calculated and used to infer size. s. Inferred_Phylogeny means that size was inferred solely based on phylogeny.
Size_Est	Log10 transformed body mass in kg
Size_sd	Standard deviation of the size estimate
Teeth_Est	Log10 transformed average lenght of lower carnassial teeth (m1-m3) in mm
Teeth_sd	Standard deviation of the tooth size estimate

Inferred_Size_Carnivoramorpha.csv (The inferred size of all species of Carnivoramorpha)	
Column name	**Description**
Family	Assignment of species to family following Faurby et al (2019)
Genus	Assignment of species to genus following Faurby et al (2019)
Species	Name of species following Faurby et al (2019)
Data_type	Information on how the size measurement was estimated. This is listed as "Inferred_teeth", "Inferred_Phylogeny" or "Measured". Measured means that the size was estimated based on measurements from long bones or for extant taxa taken from the Phylacine database of Faurby et al (2018). Inferred_teeth means that size was inferred based on phylogeny and the length of one or both carnassal teeth. Inferred_phylogeny means that size was inferred solely based on phylogeny.
Size_Est	Log10 transformed body mass in kg
Size_sd	Standard deviation of the size estimate
P4_Est	Log10 transformed length of the fouth upper premolar in mm
P4_sd	Standard deviation of the P4 estimate
m1_Est	Log10 transformed length of the first lower molar in mm
m1_sd	Standard deviation of the m1 estimate