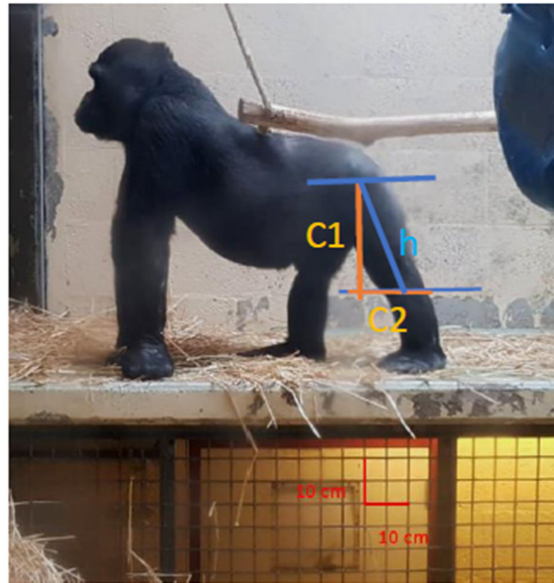


**Figure S1.** A 6-year old castrated gorilla in profile above a fence of known measurements. The dimensions of the fence are shown in red, the points considered for the leg measurements in blue and the extrapolations of the known dimensions to form a right-angled triangle in orange.



**Figure S2.** The following images show three different individuals: one castrated and two intact males. The castrated individual (A, B) is housed at GaiaZOO (Kerkrade) and was born in 2004 (14 years old when the photos were taken), while the two intact individuals (C, D) are housed at Beauval Zoo (Saint Aignan Sur Cher) and were born in 2006 (12 years old when the photos were taken). Castrated individuals do not present development of sexual characteristics (sagittal crest, silver hair on the back, long hair on arms).

