SKULL-MANDIBLE CORRELATIONS

1. Skull and Mandible lengths

For a sample of 375 various extant *Equus* skulls and mandibles, the correlation is good: R2=0.97.

Regressions are:

- Basilar length of the skull (1) = [1.1775 \* Maximal length of the mandible (1)] - 16.957.

- Maximal length of the mandible (1) = [0.8257 \* Basilar length of the skull (1)] + 25.448.

2. Muzzle lengths

For a sample of 161 various extant *Equus* skulls and mandibles, the correlation is smaller: R2 = 0.89.

Regressions are:

- Skull muzzle length (5) = [1.0318 \* mandible muzzle length (12)] + 7.9216.

- Mandible muzzle length (12) = [0.8645 \* skull muzzle length (5)] + 4.507.

3. Muzzle widths

For a sample of 336 extant Equus, the correlation R2 is only 0.80.

- Skull muzzle width (17) = [0.796 \* mandible muzzle width (7)] + 16.8043.

- Mandible muzzle width (7) = [1.0105 \* skull muzzle width (17)] - 6.187.

(1), (5), (7), (17) refer to the illustrated system of measurements of skulls and mandibles.