

APPENDIX II

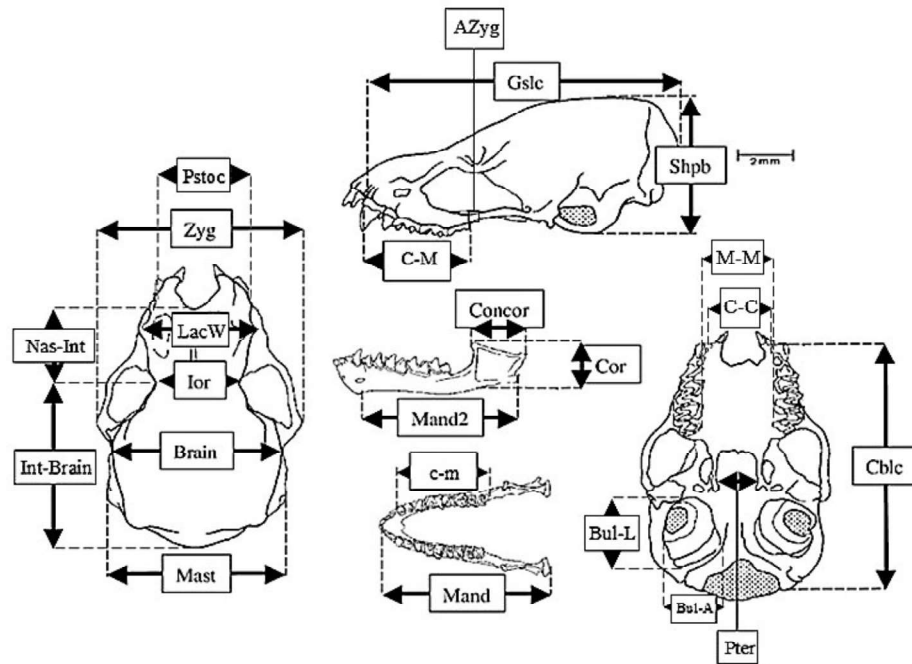


Figure 1. Measures used for traditional morphometrics for *Saccopteryx* from Gorgona, *S. leptura* and *S. bilineata*: **Cranium**: Gslc: greatest length of skull from posterior base of foramen magnum to maximum curvature of canine, Cblc: condyle-canine length, Ior: least inter-orbital width, LacW: lacrimal width, Pstoc: post-ocular width, Zyg: width across the zygomatic arches, Mast: width between mastoid processes, Brain: width of the braincase, C-M: toothrow, M-M: distance between molars, C-C: distance between canines, ShPb: height of the skull over the bullae, Int-Brain: length from inter-orbital zone to posterior base of the skull, Nas-Int: length from nasal base to inter-orbital zone, Pter: maximum width of pterygoid pit, Bul-A: maximum width of the bullae, Bul-L: maximum length of the bullae, AZyg: maximum height of the zygomatic arch at the anterior base. **Jaw**: Mand: length of the mandible, Mand2: length of the mandible from the ramus to the angular process, Cor: height of the coronoid process, Concor: distance between the condyle and coronoid processes, c-m: toothrow. Modified from Van Cakenberghe et al., 2002.

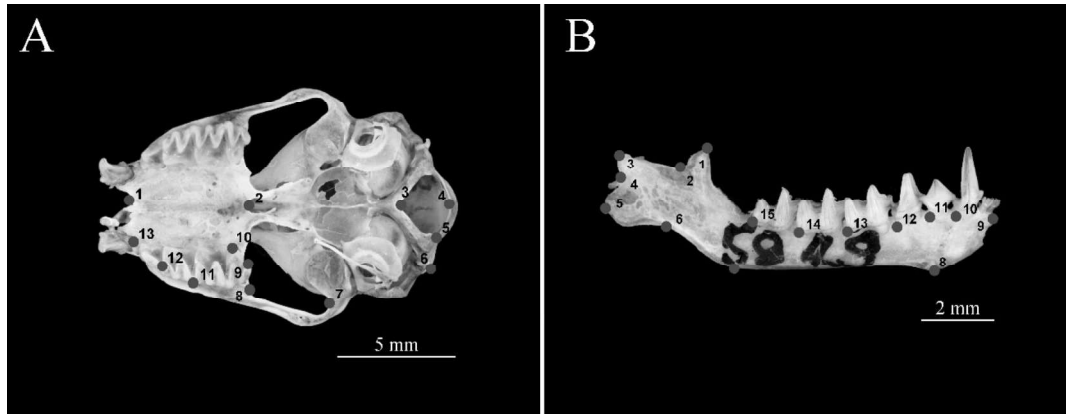


Figure 2. Landmarks used for geometric morphometrics for *Saccopteryx* from Gorgona, *S. leptura* and *S. bilineata*: **Cranium (ventral)** 1. Midpoint of the posterior curvature of the anterior part of the hard palate, 2. Posterior end of the hard palate, 3. Anterior limit of the foramen magnum, 4. Posterior limit of the foramen magnum, 5. Lateral limit of the foramen magnum, 6. Tip of the mastoid process: point of maximum curvature, 7. Posterior internal point of the zygomatic arch: point of maximum curvature, 8. Anterior internal point of the zygomatic arch: point of maximum curvature, 9. Tip of metastyle of M3, 10. Most distant point of protocone of M3, 11. Most distant point of parastyle of M2, 12. Most distant point of parastyle of M1, 13. Posterior base of C1. **Jaw (lateral)**: 1. Tip of coronoid process: point of maximum curvature, 2. Angle of mandibular condyle and coronoid process: point of maximum curvature, 3. Tip of mandibular condyle: point of maximum curvature, 4. Angle of mandibular condyle and angular process: point of maximum curvature, 5. Tip of angular process: point of maximum curvature, 6. Praemasseteric incision: point of maximum curvature, 7. Lower edge of the mandibular corpus: point of maximum curvature, 8. Most ventral point of mandibular symphysis: point of maximum curvature, 9. Most anterior point of the mandible corpus, 10. Posterior base of canine (at the alveolus), 11. Posterior base of p1 (at the alveolus), 12. Posterior base of p4 (at the alveolus), 13. Posterior base of m1 (at the alveolus), 14. Posterior base of m2 (at the alveolus), 15. Posterior base of m3 (at the alveolus).