|  |  |
| --- | --- |
| **Continuous**  | C1 – apicobasal crown heightC2 – crown ratioC3 – labial/lingual curvatureC4 – crown angle |
| **Discrete** | **General**D1 – labial-lingual compressionD12 – shape of the crown apexD13 – non procumbent or procumbent dentition |
| **Ornamentation**D6 – presence of the anastomosed patternD7 – enamel ornamentation, lingual faceD8– enamel ornamentation, labial faceD9 – apicobasal ridges, reliefD11– texture of enamel |
| **Carinae and/or serrations**D2 – presence and size of true denticlesD3 – presence or absence of functionally serrated edgesD4 – denticle distributionD10 – presence of ‘pseudodenticles’ |

**Discrete and continuous characters (taken from Johnson et al., 2022a) used in tooth morphometry of MZ VIII Vr-72**

**Measurements for continuous characters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Teeth number** | **Apicobasal (AB) crown height** | **Mesiodistal (MD) length**  | **Labiolingual (LL) length** | **Tooth curvature outer** | **Tooth curvature inner** |
| **T1** | **16,47 mm** | **7 mm** | **6.60 mm** | **16.82 mm** | **13.14 mm** |
| **T2** | **13.65 mm** | **6.80 mm** | **6.76 mm** | **14. 10 mm** | **12.21 mm** |
| **T3** | **14.7 mm** | **7.20 mm** | **6.94 mm** | **14.81 mm** | **13.51 mm** |

**Avg. T1-T3: AB height: 14.94 mm; MD length: 7mm; LL length: 6,76 mm; Labiolingual curvature: 1.19.**

**Discrete characters:**

**D1:** Labial-lingual compression. Labial-lingual compression of the tooth: absent (0), weakly compressed (1) or strongly compressed (2). Modified from Young et al., 2016, Ch.184.

(0).Absent

**D2:** Presence and size of true denticles: absent (0), incipient microziphodonty (1), conspicuous microziphodonty (2) or macroziphodonty (3). Note, the terms ‘microziphodonty’ and ‘macroziphodonty’ follows that of Foffa et al. (2017). Modified from Young et al. 2016, Ch. 215.

(0).Absent

**D3:** Presence or absence of functionally serrated edges: absent (0) or present (1).

(1).Present

**D4:** Denticle distribution: non-contiguous (0) or contiguous (1). Modified from Young et al. 2016, Ch.216.

(0).Absent

**D5:** Presence of ‘pseudodenticles’: absent (0) or present (1).

(0).Absent

**D6:** Presence of anastomosed pattern: absent (0) or present (1). Anastomosed pattern refer to detailed, branching crenulations of enamel ridges on the apex of the tooth. Modified from Young et al. (2016), Ch.221.

(1).Present

**D7:** Enamel ornamentation, lingual side: absent (0), largely absent, or present with weak apicobasal ridges (1), present and consists of numerous, spaced defined apicobasal ridges (2) or present and consists of conspicuous, numerous, well-defined, closely packed apicobasal ridges (3). Modified from Foffa et al. (2018).

(3).Present and consists of conspicuous, numerous, well-defined, closely packed apicobasal ridges

**D8:** Enamel ornamentation, labial side: largely absent, or present with weak apicobasal ridges (0), present and consists of numerous, spaced defined apicobasal ridges (1) or present and consists of conspicuous, numerous, well-defined, closely packed apicobasal ridges (2). Modified from Foffa et al. (2018).

(2).Present and consists of numerous, tightly-spaced defined apicobasal ridges

**D9:** Enamel ridges, relief: absent or extremely low (absent macroscopically) (0), low relief but macroscopically distinct, <0.5 mm (1) or medium relief, <1 mm (2). Modified from Foffa et al., 2018.

(2).Medium relief <1mm

**D10:** Presence or absence of false denticles: absent (0) or present (1). Denticles refer to ornamentation that interferes with the carinae. Modified from Young et al. 2016, Ch.214.

(0).Absent

**D11:** Texture of enamel: smooth (0) or pebbled (1).

(0).Smooth

**D12:** Shape of tooth crown apex: sharp and pointed (0) or blunt and round (1). Modified from Young et al. 2016, Ch.206.

(0).Sharp and pointed

**D13:** Non-procumbent or procumbent dentition: non-procumbent (0) or procumbent (1).

(0).Non-procumbent