|  |  |  |  |
| --- | --- | --- | --- |
| **Molar/species** | **Character 1** | **Character 2** | **Character 3** |
| M1 | Posterior sinus present | No posterior sinus |  |
| *D. magnus* | 19 | 43 |  |
| *D. auricularis* | 15 | 7 |  |
|  |  |  |  |
| M2 | 2 cusps on second lobe | lamina |  |
| *D. magnus* | 9 | 12 |  |
| *D. auricularis* | 14 | 8 |  |
|  |  |  |  |
| M3 | 1 cusp | 2 cusps | 3 cusps |
| *D. magnus* | 2 | 2 | 10 |
| *D. auricularis* | 7 | 8 | 4 |
|  |  |  |  |
| m1 | pc or cingulum | No pc or cingulum |  |
| *D. magnus* | 9 | 51 |  |
| *D. auricularis* | 2 | 19 |  |
|  |  |  |  |
| m1 | 2 cusps on prelobe | 3 cusps, fused | 1 cusp |
| *D. magnus* | 14 | 2 | 44 |
| *D. auricularis* | 2 | 4 | 17 |
|  |  |  |  |
| m2 | antero-labial cusp present | No antero-labial cusp |  |
| *D. magnus* | 3 | 57 |  |
| *D. auricularis* | 0 | 21 |  |

S1. Supplementary table 1 : Frequency of characters variability for the new species *D. magnus* from Langebaanweg and modern *Desmodillus auricularis*.