**Table S3.** Principal measurements in cm of foramina present in caudal vertebrae of Aucasaurus garridoi MCF-PVPH-236.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| VERTEBRA | NEURAL SPINEFORAMINA |  | POCDF FORAMINA |  |
|  | RIGHT | LEFT | RIGHT | LEFT |
| CAUDAL 1 | - | - | 0,4 length0,3 width | 0,5 length0,2 width |
| CAUDAL 2 | - | - | 0,6 length0,4 width | 0,7 length0,4 width |
| CAUDAL 3 | - | - | 0,9 length0,5 width | 1 length0,3 width |
| CAUDAL 4 | - | - | 0,4 length0,1 width | 0,5 length0,3 width |
| CAUDAL 5 | Missed data | 1 length0,5 width | Missed data | Missed data |
| CAUDAL 6 | 1,2 length0,5 width | 1 length0,5 width | Missed data | 1 length0,5 width |
| CAUDAL 7 | 1,1 length0,9 width | Missed data | 0,5 length0,4 width | 1,1 length0,5 width |
| CAUDAL 8 | 1,1 length1 width | 1,1 length0,3 width | 0,9 length0,2 width | 0,8 length0,2 width |
| CAUDAL 9 | 1 length0,4 width | 1 length0,4 width | 0,2 length0,2 width | \* |
| CAUDAL 10 | 1 length0,4 width | 1,1 length0,4 width | - | - |
| CAUDAL 11 | 0,6 length0,4 width | 1,5\* length0,4 width | - | - |
| CAUDAL 12 | Shallow depression | Shallow depression | \* | \* |
| CAUDAL 13 | Shallow depression | Shallow depression | - | - |

Notation: pocdf, postzygapophyseal centrodiapophyseal fossa; \*, unable to measure due to rupture or missing bone; -, measurement not applicable.