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| --- | --- | --- | --- | --- | --- |
| Species | Atlas Vertebra | Anterior Trunk | Middle Trunk | Posterior Trunk | Sacral Vertebra |
| A.gracile | 0.07 | 0.32 | 0.74 | 0.81 | 0.56 |
| A.talpoideum | 0.62 | 0.5 | 0.62 | 0.77 | 0.62 |
| A.maculatum | 0.78 | 0.8 | 0.7 | 0.65 | 0.7 |
| A.macrodactylum | 0.88 | 0.78 | 0.88 | 0.97 | 0.81 |
| A.opacum | 0.72 | 0.64 | 0.78 | 0.92 | 0.47 |
| A.jeffersonianum | 0.36 | 0.59 | 0.65 | 0.66 | 0.62 |
| A.laterale | 0 | 0.21 | 0.55 | 0.62 | 0.17 |
| A.mabeei | 0.56 | 0.38 | 0.71 | 0.81 | 0.38 |
| A.texanum | 0.89 | 0.58 | 0.62 | 0.75 | 0.3 |
| A.annulatum | 0.33 | 0.33 | 0.83 | 0.92 | 0.67 |
| A.tigrinum | 0.82 | 0.74 | 0.86 | 0.94 | 0.74 |
| A.mavortium | 0.36 | 0.68 | 0.85 | 0.97 | 0.62 |
| A.velasci | 0 | 0.75 | 0.7 | 0.85 | 0.4 |
| Clade | Atlas Vertebra | Anterior Trunk | Middle Trunk | Posterior Trunk | Sacral Vertebra |
| A | 0.41 | 0.7 | 0.78 | 0.86 | 0.79 |
| B | 0.72 | 0.75 | 0.7 | 0.65 | 0.65 |
| C | 0.94 | 0.84 | 0.88 | 0.97 | 0.81 |
| D | 0.61 | 0.67 | 0.78 | 0.92 | 0.53 |
| E | 0.29 | 0.43 | 0.62 | 0.64 | 0.41 |
| F | 0.56 | 0.37 | 0.66 | 0.78 | 0.39 |
| G | 0.5 | 0.42 | 0.83 | 0.92 | 0.67 |
| H | 0.9 | 0.98 | 0.97 | 0.98 | 0.96 |

Table XXX. Percentage of specimens correctly classified to species or to clade based on LOOCV KNN classification analyses with k values set to ones that resulted in the highest overall classification accuracy.