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Correction

Correction to 'Estimating maximum bite performance in *Tyrannosaurus rex* using multi-body dynamics'

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Owing to an error in our muscle physiological cross-sectional area calculations, the range of bite force estimates for four models in our original analysis (maximum and minimum values presented in table 2 of [1]) are approximately 6% too high. This relates specifically to error in our calculation of the effect of a 20° pennation angle on muscle physiological cross-sectional area in the sensitivity analysis carried out on our adult *Alligator*, *Allosaurus*, juvenile and adult *Tyrannosaurus* models. Because the error is consistent across models, none of the conclusions of the paper have changed. A corrected version of table 2 of [1] is as follows:

Table 2. Corrected summary of initial, minimum and maximum bite force results.

| | initial model | | MIN bite force PCA — 20% and 20° pennation | | MAX bite force PCA | |
|------------------------------|----------------|-----------------|--|-----------------|--------------------|-----------------|
| | anterior teeth | posterior teeth | anterior teeth | posterior teeth | anterior teeth | posterior teeth |
| human | 700 | 1020 | — | — | — | — |
| <i>J. Alligator</i> | 202 | 266 | — | — | — | — |
| <i>A. Alligator</i> | 2325 | 4476 | 1754 | 3376 | 2790 | 5370 |
| <i>Allosaurus</i> | 4179 | 6809 | 3166 | 5149 | 5013 | 8163 |
| <i>J. T. rex</i> | 2010 | 3210 | 1544 | 2426 | 2400 | 3850 |
| <i>A. T. rex</i> | 24 575 | 44 940 | 17 073 | 33 123 | 29 510 | 53 735 |
| human scaledup | 3750 | 5221 | — | — | — | — |
| <i>J. Alligator</i> scaledup | 10 580 | 27 466 | — | — | — | — |
| <i>A. Alligator</i> scaledup | 11 839 | 29 896 | 11 800 | 15 833 | 14 983 | 35 906 |
| <i>Allosaurus</i> scaledup | 20 698 | 39 029 | 15 754 | 29 519 | 24 861 | 46 792 |
| <i>J. T. rex</i> scaledup | 10 145 | 14 480 | 7 575 | 12 295 | 12 020 | 16 600 |

Reference

1. Bates KT, Falkingham PL. 2012 Estimating maximum bite performance in *Tyrannosaurus rex* using multi-body dynamics. *Biol. Lett.* **8**, 660–664. (doi:10.1098/rsbl.2012.0056)