**Metacarpal vs. Metatarsal Differences:**

Difference is calculated as metacarpal strain minus metatarsal strain on the posterior surface. Values used are from TRI-scaled trials (i.e., side digits are accounted for).

| **Genus** | **condition** | **σ MCIII**  **(MPa)** | **σ MTIII**  **(MPa)** | **Difference**  **(MPa)** | **% Difference** |
| --- | --- | --- | --- | --- | --- |
| *Archaeohippus* | regular | -25.7 | -17.8 | -7.9 | 30.74 |
| *Equus* | regular | -34.3 | -39.7 | 5.4 | -15.74 |
| *Mesohippus* | regular | -39.9 | -42.5 | 2.6 | -6.52 |
| *Miohippus* | regular | -32 | -16.9 | -15.1 | 47.19 |
| *Parahippus* | regular | -34.6 | -23.1 | -11.5 | 33.24 |
| *Tapirus* | regular | -27.5 | -28.7 | 1.2 | -4.36 |
| *Archaeohippus* | performance | -50.9 | -33.3 | -17.6 | 34.58 |
| *Equus* | performance | -69.5 | -80.5 | 11 | -15.83 |
| *Mesohippus* | performance | -93.1 | -102.7 | 9.6 | -10.31 |
| *Miohippus* | performance | -77.4 | -37 | -40.4 | 52.2 |
| *Parahippus* | performance | -72.5 | -46.2 | -26.3 | 36.28 |
| *Tapirus* | performance | -60.5 | -64.7 | 4.2 | -6.94 |