Supplementary Table 1. Statistical analysis outcome of three sub-tendon mechanical properties.

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|  | Kruskal-Wallis test | Pairwise Mann-Whitney U test |
|  |  | LG – MG | LG – S | MG – S |
| Cross-sectional area |
|  Test statistics | 10.820 | -1.776 | -2.611 | -2.611 |
|  DOF | 2.00 |  |  |  |
|  p-value | .004 | .095 | .008 | .008 |
| Failure force |  |  |  |  |
|  Test statistics | 10.220 | -1.358 | -2.611 | -2.611 |
|  DOF | 2.00 |  |  |  |
|  p-value | .006 | .222 | .008 | .008 |
| Ultimate stress |
|  Test statistics | .380 |  |  |  |
|  DOF | 2.00 |  |  |  |
|  p-value | .827 |  |  |  |
| Ultimate strain |
|  Test statistics | 4.994 |  |  |  |
|  DOF | 2.00 |  |  |  |
|  p-value | .082 |  |  |  |
| Young's modulus |
|  Test statistics | 1.040 |  |  |  |
|  DOF | 2.00 |  |  |  |
|  p-value | .595 |  |  |  |
| Stiffness |
|  Test statistics | 10.220 | -1.358 | -2.611 | -2.611 |
|  DOF | 2.00 |  |  |  |
|  p-value | .006 | .222 | .008 | .008 |