**Supplementary Table 2** – Correlation analysis between CatWalk data and grasping strength measurements. All Pearson correlation coefficients were calculated over 42 individual data points. pcc: Pearson correlation coefficient. Significant p-values (<0.05) are marked in bold.

|  |  |  |
| --- | --- | --- |
| CatWalk parameter | Mean grasping strength | Maximum grasping strength |
| Print Area (RF/RH) | **p= 0.001** (pcc= 0.572) | **p= 0.001** (pcc= 0.563) |
| Print Area (RF/LF) | p= 0.145 (pcc = - 0.229) | p= 0.311 (pcc = - 0.160) |
| Print Length (RF/RH) | **p= 0.001** (pcc= 0.531) | **p= 0.001** (pcc= 0.495) |
| Print Length (RF/LF) | p= 0.895(pcc= 0.021) | p= 0.727(pcc= 0.056) |
| Print Width (RF/RH) | p= 0.060(pcc= 0.293) | **p= 0.043** (pcc= 0.314) |
| Print Width (RF/LF) | p= 0.170 (pcc = - 0.216) | p= 0.339 (pcc = - 0.151) |
| BoS Front Paws | p= 0.173 (pcc = - 0.214) | p= 0.140 (pcc = - 0.232) |
| BoS Hind Paws | **p= 0.005** (pcc = - 0.426) | **p= 0.007** (pcc = - 0.408) |
| BoS Front / Hind Paws | p= 0.294(pcc= 0.166) | p= 0.363(pcc= 0.144) |
| Swing Speed (RF/RH) | **p= 0.002** (pcc= 0.458) | **p= 0.002** (pcc= 0.458) |
| Swing Speed (RF/LF) | p= 0.899(pcc= 0.020) | p= 0.771(pcc= 0.046) |
| Mean Intensity (RF/RH) | p= 0.410(pcc= 0.131) | p= 0.384(pcc= 0.138) |
| Mean Intensity (RF/LF) | p= 0.305(pcc= - 0.162) | p= 0.219(pcc= - 0.194) |
| Duty Cycle (RF/RH) | **p= 0.014** (pcc= 0.376) | **p= 0.001** (pcc= 0.396) |
| Duty Cycle (RF/LF) | p= 0.214 (pcc = - 0.196) | p= 0.318 (pcc = - 0.158) |
| Swing Time (RF/RH) | **p= 0.018** (pcc= - 0.362) | **p= 0.021** (pcc= - 0.355) |
| Swing Time (RF/LF) | p= 0.544 (pcc= 0.096) | p= 0.691(pcc= 0.063) |
| Stand Index (RF/RH) | p= 0.071 (pcc = - 0.282) | p= 0.129 (pcc = - 0.238) |
| Stand Index (RF/LF) | p= 0.184 (pcc = 0.209) | p= 0.173 (pcc = 0.214) |
| RF External Paw Rotation | **p= 0.010** (pcc= - 0.391) | **p= 0.046** (pcc= - 0.310) |