

SUPPLEMENTARY FIGURE 9. Large inter-individual coefficients of variations in muscle activity levels at slow ($4.1 \pm 0.2 \text{ m}\cdot\text{s}^{-1}$), moderate ($5.4 \pm 0.3 \text{ m}\cdot\text{s}^{-1}$), and fast ($6.8 \pm 0.4 \text{ m}\cdot\text{s}^{-1}$) running speeds when all (up to 15) electromyography (EMG) channels are averaged along each muscle. Sub-phases of the running stride: early stance (ESt), late stance (LSt), early swing (ESw), mid swing (MSw), and late swing (LSw).

