



Figure 1. A: Schematic illustration depicting the two primary analyses performed on synergy activation coefficients. Trial-to-trial similarity was evaluated across different trials of the same synergy. Temporal overlap was assessed among different synergies within the same trial. The presented Pearson correlation coefficient (r) was calculated as the mean of each pairwise comparison among the three waveforms. **B: FATIGUE:** Bar plots represent the centroids of clustered synergy vectors – muscles are arranged in the following order (uneven numbers = left, even numbers = right): extensor digitorum, digitorum superficialis, biceps brachii, brachioradialis, pectoralis major, trapezius. Line plots represent the corresponding activation coefficients in the fatigued and non-fatigued stage (separated by dashed lines). Thick lines = mean of all synergies within the cluster. Grey lines = each activation coefficient.