

Electronic Supplementary Materials 3 – Muscle activation results for all measured muscles

This document is an electronic supplementary material (ESM3) for the article entitled “Influence of force-length relationship and task-specific constraints on finger force-generating capacities”

Article information

INFLUENCE OF FORCE-LENGTH RELATIONSHIP AND TASK-SPECIFIC CONSTRAINTS ON FINGER FORCE-GENERATING CAPACITIES

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Muscle activation results

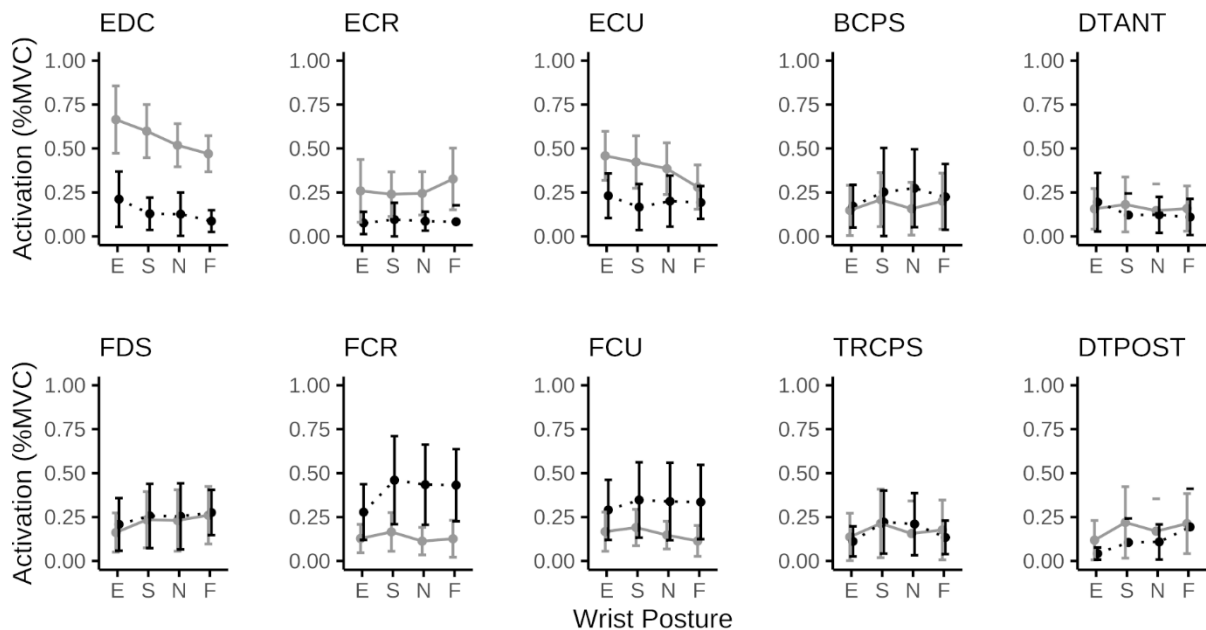


Figure s3 - average and standard deviation values of the electromyographic activation of all measured muscles during the pinch grip (Pinch) and the four-finger pressing task (Press) in the different wrist postures, i.e., extension (E), spontaneous (S), neutral (N) and flexion (F). Solid grey lines represent values for the Pinch task and dashed black lines represent values for the Press task. FCR: *flexor carpi radialis*; ECR: *extensor carpi radialis*; FCU: *flexor carpi ulnaris*; ECU: *extensor carpi ulnaris*; FDS: *flexor digitorum superficialis*; EDC: *extensor*

digitorum communis; BCPS: *biceps brachii*, TRCPS: *triceps brachii*, DTANT: *deltoid anterior*, DTPOST: *deltoid posterior*.