Joint Angles (red=tracking output, blue=reference) pelvis\_tilt hip\_flexion\_r pelvis\_tx pelvis\_ty 1.15 0.4 Angle (rad) Angle (rad) Angle (rad) 10. 10. Angle (rad) 2.0-0.6 -0.3 -0.4 307.2 307.4 307.6 307.8 308 306.6 306.8 307 307.2 307.4 307.6 307.8 308 306.6 306.8 307 306.6 306.8 307 307.2 307.4 307.6 307.8 308 306.6 306.8 307.2 307.4 307.6 307.8 time (s) time (s) time (s) time (s) hip\_flexion\_l knee\_angle\_r ankle\_angle\_r knee\_angle\_l 0.5 0.1 -0.1 Angle (rad) 2.0-2.0-3.0-Angle (rad) 5.0 5.0 Angle (rad) -0.4 -0.5 -0.6 -0.5 307.2 307.4 307.6 307.8 308 307.2 307.4 307.6 307.8 308 307.2 307.4 307.6 307.8 308 306.6 306.8 307 307.2 307.4 307.6 307.8 308 306.6 306.8 307 306.6 306.8 307 306.6 306.8 307 time (s) time (s) time (s) time (s) ankle\_angle\_l lumbar\_extension 0.2 0.1 0.5 Angle (rad) 2.0- 2.0-Angle (rad) co co co -1 -0.4

-1.5

306.6 306.8 307 307.2 307.4 307.6 307.8 308

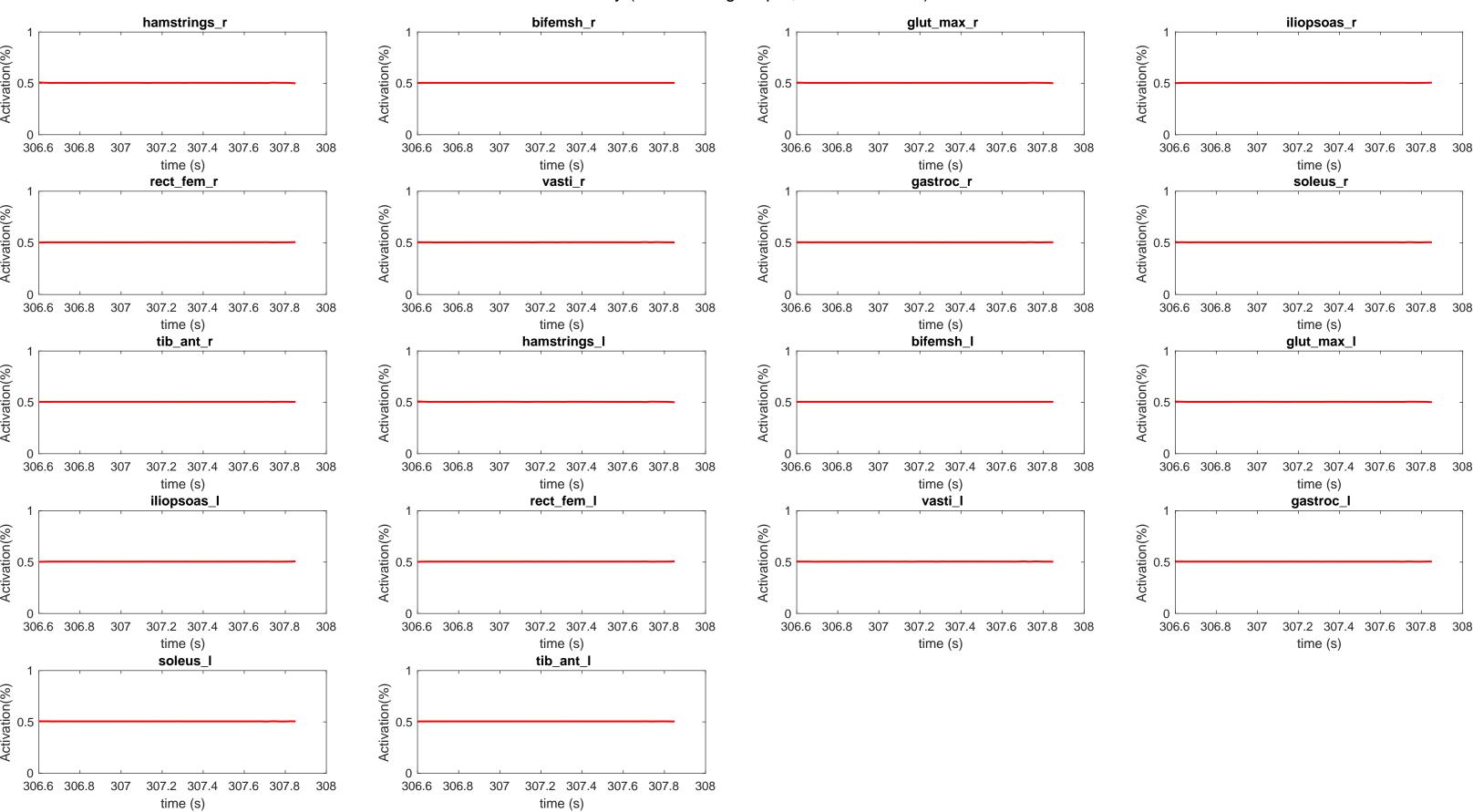
time (s)

307.2 307.4 307.6 307.8 308

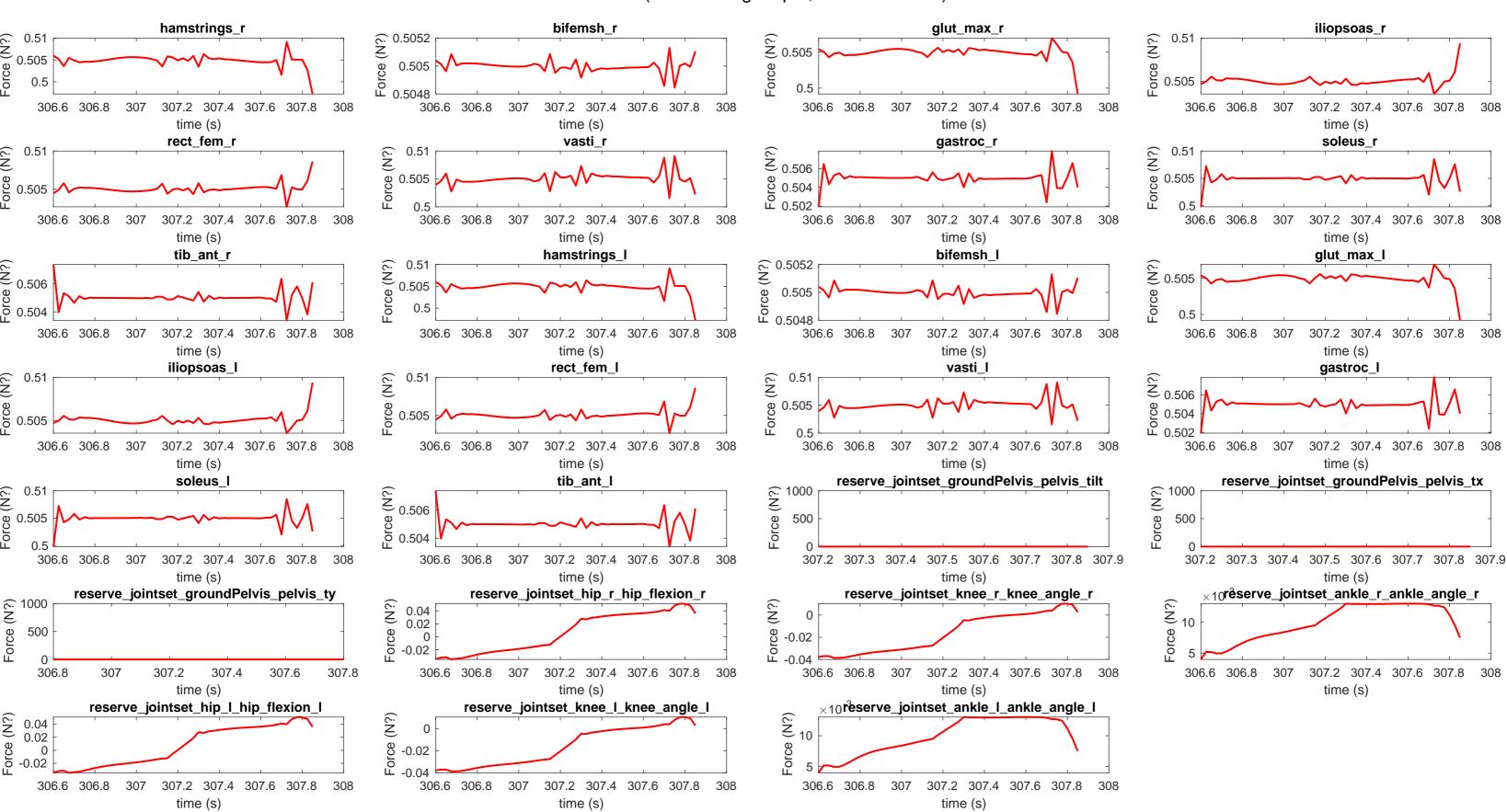
time (s)

306.6 306.8 307

Muscle Activity (red=tracking output, blue=reference)



## Muscle Force (red=tracking output, blue=reference)



GRF (red=tracking output, blue=reference)

