merged_1_segment_0_ik.mot (right leg) merged_1_segment_0_ik.mot (left leg) pelvis_tilt pelvis_list pelvis_rotation 0.15 angle (rad) angle (rad) angle (rad) 0.10 -0.1 0.05 0.00 0.0 0.5 1.0 0.0 0.5 1.0 0.0 0.5 1.0 time (s) time (s) time (s) pelvis_tx pelvis_tz pelvis_ty 0.1 0.75 0.99 position (m) position (m) position (m) 0.50 0.0 0.98 0.25 0.97 -0.1 0.00 0.0 0.5 1.0 0.0 0.5 0.0 0.5 time (s) time (s) time (s) hip_flexion hip_adduction hip_rotation 0.0 0.1 0.2 angle (rad) angle (rad) angle (rad) 0.0 -0.1 -0.1 -0.2 0.5 0.5 1.0 0.0 1.0 0.0 0.5 1.0 0.0 time (s) time (s) time (s) ankle_angle subtalar_angle knee_angle 0.20 angle (rad) angle (rad) angle (rad) 0.10 0.05 0.0 1.0 0.5 0.0 0.5 1.0 0.5 0.0 1.0 time (s) time (s) time (s) lumbar_extension mtp_angle lumbar_bending 0.05 -0.075 angle (rad) angle (rad) angle (rad) 0.00 -0.100 -0.05-0.7 -0.125 -0.10 0.0 0.5 1.0 0.0 0.5 1.0 0.0 0.5 1.0

time (s)

time (s)

time (s)

merged_1_segment_0_ik.mot (right leg) merged_1_segment_0_ik.mot (left leg) thorax_bending lumbar_twist thorax_extension 0.24 0.000 -0.025 angle (rad) angle (rad) angle (rad) 0.22 -0.025 -0.050 0.20 -0.050-0.075 0.18 -0.075 L 0.0 0.5 1.0 0.5 1.0 0.0 0.5 1.0 time (s) time (s) time (s) head_bending head_extension thorax_twist 0.08 angle (rad) 0.0 0.06 angle (rad) angle (rad) -0.15 0.04 -0.20 0.02 0.0 0.5 1.0 0.0 0.5 0.0 0.5 1.0 time (s) time (s) time (s) head_twist scapula_abduction scapula_elevation 0.02 -1.10angle (rad) angle (rad) angle (rad) 0.00 -0.10 -0.02 -1.15 -0.15 -0.04 0.5 1.0 0.0 0.5 1.0 0.0 0.5 1.0 0.0 time (s) time (s) time (s) scapula_upward_rot shoulder_x shoulder_y 0.10 0.1 angle (rad) angle (rad) angle (rad) 0.0 -0.1 5 **-**0.0 0.0 0.0 0.5 1.0 0.5 1.0 0.5 1.0 time (s) time (s) time (s) shoulder_z elbow_flexion pro_sup 0.0 angle (rad) angle (rad) angle (rad) 0.6 0.10 0.0 0.0 1.0 0.5 1.0 0.0

time (s)

time (s)

time (s)

merged_1_segment_0_ik.mot (right leg)merged_1_segment_0_ik.mot (left leg)

