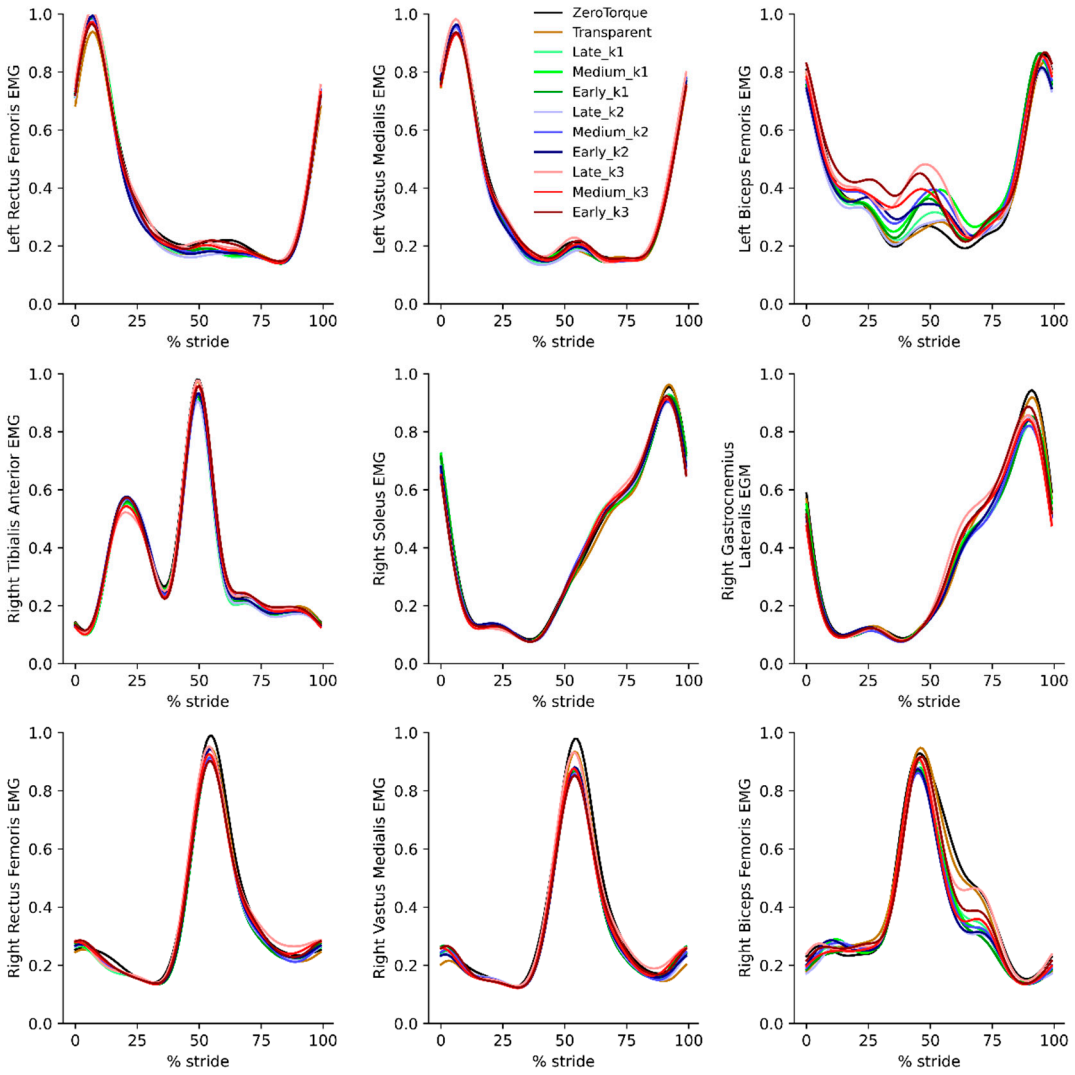
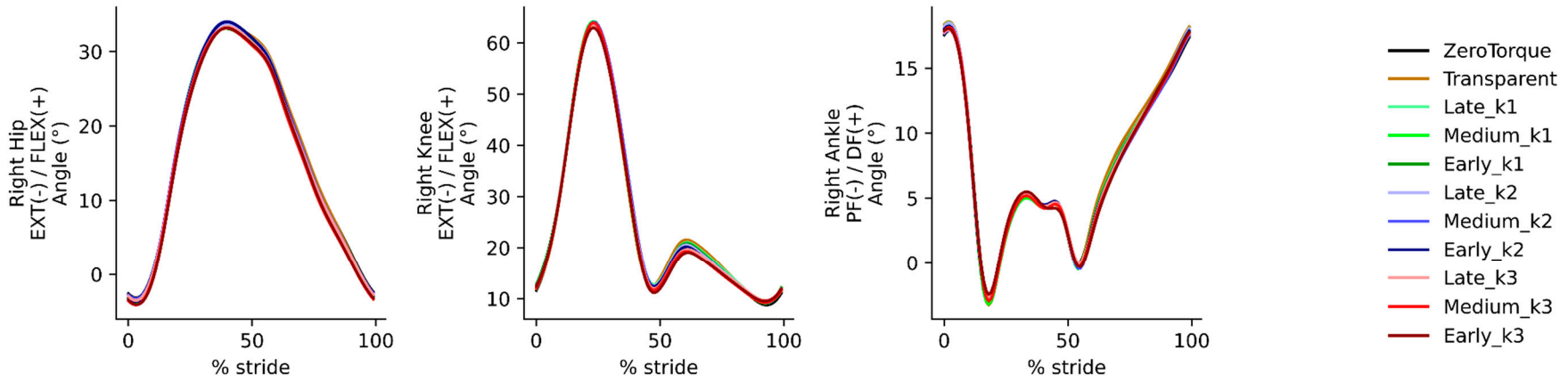
ID	Age (years)	Height (cm)	Shoe size	Weight (kg)
1	27	183	44	72.5
2	27	181	44	82.2
3	27	185.5	44	98.5
4	27	180	42	75.3
5	28	168.7	42	83.1
6	28	171	42	75.3
7	25	180	44	87.0
8	27	176.5	42	72.5
9	28	182	42	75.5
10	28	179.5	42	89.0
11	27	177.5	42	75.4
12	28	172	44	82.5

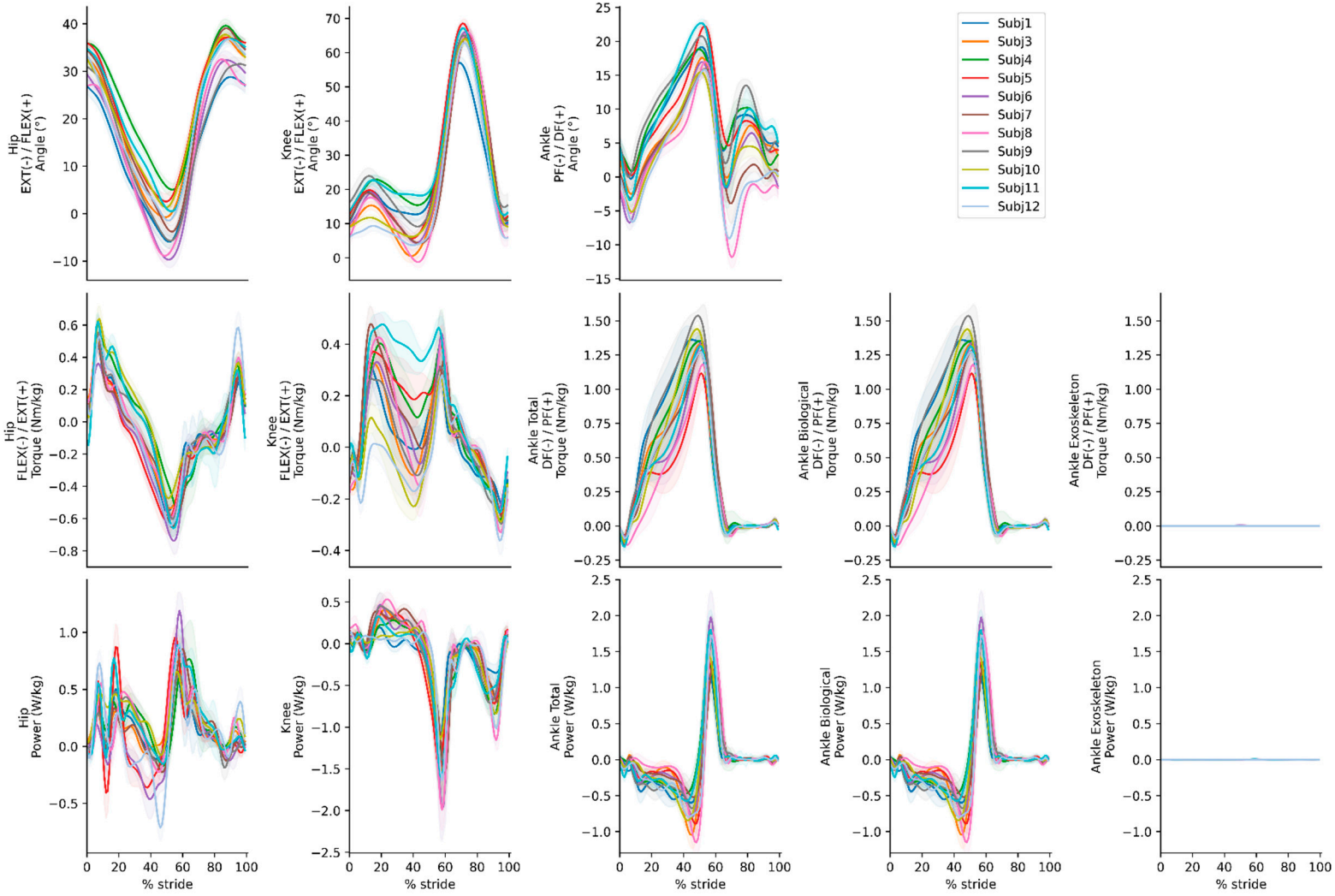
Supplementary Table S1: Participant demographics



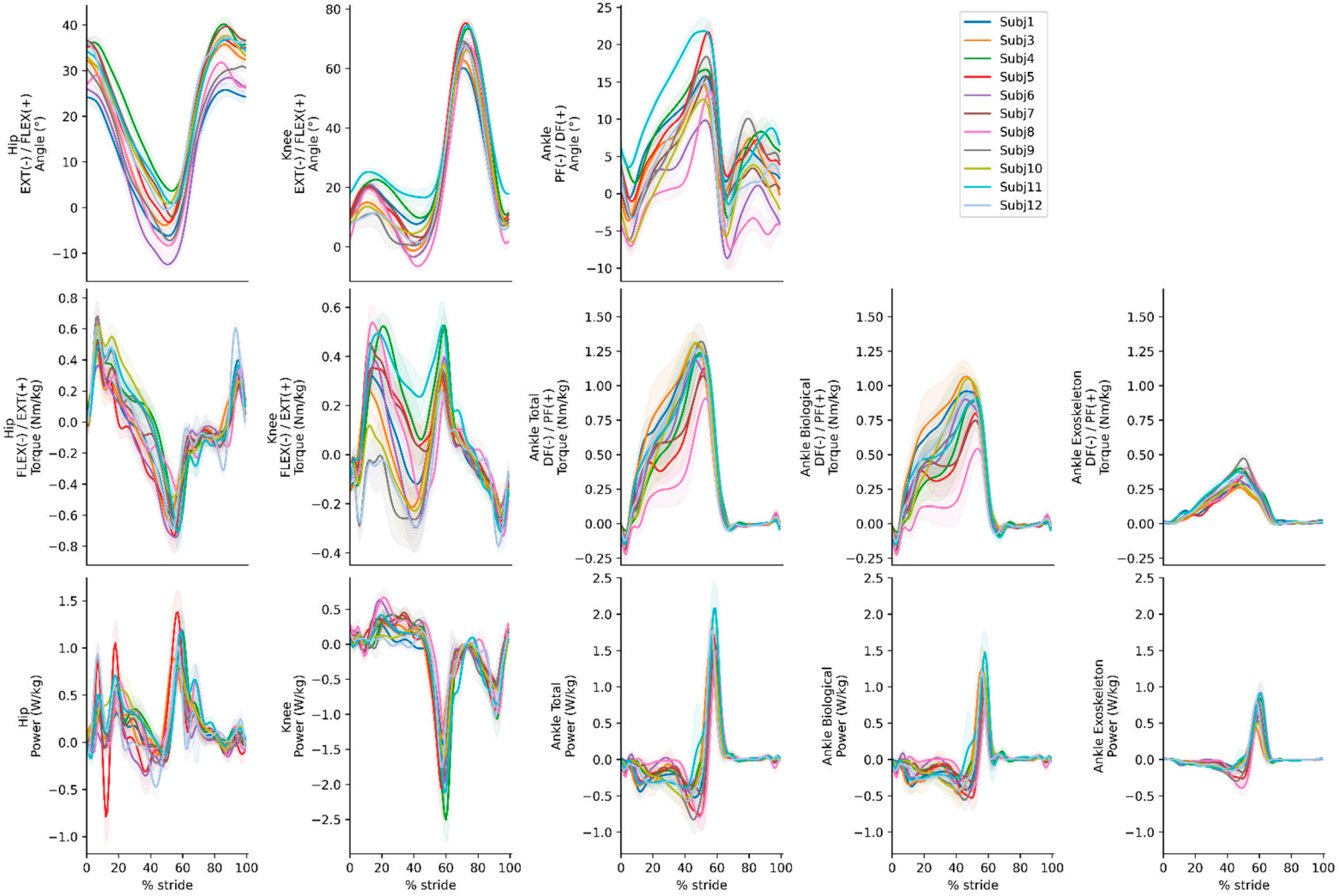
Supplementary Figure S1: EMG results for all measured muscles, omitted from the main document.



Supplementary Figure S2: Joint kinematics of the contralateral (right) leg. Note that 0% stride is set to left heel strike



Supplementary Figure S3: Intersubject variability: Biomechanics during ZeroTorque condition



Supplementary Figure S4: Intersubject variability: Biomechanics during Early_k3 condition