

S3 Table. Muscle activity comparisons between simulations and *Perry and Burnfield, 2010* for Fig 7.

Simulated muscle	Muscles from <i>Perry and Burnfield, 2010</i>
gluteus maximus (GMAX)	Gluteus Maximus, Upper Gluteus Maximus, Upper
biarticular hamstrings (HAMS)	Biceps Femoris, Long Head Semimembranosus Semitendinosus*
iliopsoas (ILPSO)	Iliacus
rectus femoris (RF)	Rectus Femoris
vasti (VAS)	Vastus Intermedius Vastus Lateralis Vastus Medialis Longus Vastus Medialis Oblique
biceps femoris short head (BFSH)	Biceps Femoris, Short Head*
gastrocnemius (GAS)	Gastrocnemius
soleus (SOL)	Soleus
tibialis anterior (TA)	Tibialis Anterior

* In *Perry and Burnfield, 2010*, “Semitendinosus” and “Biceps Femoris, Short Head” also have gray areas during late stance indicating that the activity was not seen in a majority of subjects. These are not included in Fig 7.