***Comparison to previous architecture data***

To facilitate a direct comparison of the data presented here and previous data from cadaveric dissections detailed by Ward et al., [3], muscle masses were estimated from the MRI derived volumetric muscle meshes:

Mm= Vm \* ,

where Mm is muscle (belly) mass (g), Vm is muscle (belly) volume (mm3) and is the density of mammalian skeletal muscle (0.001056 gmm-3).

S12 Table lists the absolute and % differences of the present architecture data gathered from MRI, compared to previously reported cadaveric architecture data [3]. S1 and S2 Figs show mean Lf:Lm and Fmax values for each functional group, compared to mean values reported by Ward et al., [3].