Supplementary Figure S1. Unweighting and reloading adjustments. (A) Individual UNW-induced adjustments (in Δ % as compared to INIT) in the biomechanical and neuromuscular variables (preactivation indicated by blue triangles, braking by red circles, and push-off by green squares). (B) Individual RLD-induced adjustments (in Δ % as compared to UNW) in the biomechanical and neuromuscular variables. For both panels, significant adjustments (as compared to INIT and UNW, respectively) are shown as follows: ***p < 0.001, **p < 0.01, *p < 0.05. Non-significant (ns) adjustments are displayed as crosses. INIT, UNW and RLD for initial, unweighted and reloaded conditions; SSC, stretch-shortening cycle; t_{flight}, flight time; t_{contact}, contact time; t_{stride}, stride time; t_{braking}, braking time; t_{push-off}, push-off time; Δ H_{braking} and Δ H_{push-off} for pelvic vertical displacement during the braking and push-off phases; APF, active peak force; $\overline{F}_{braking}$ and $\overline{F}_{push-off}$ for mean vertical force during the braking and push-off phases; GM, gluteus maximus; VM, vastus medialis; VL, vastus lateralis; RF, rectus femoris; STSM, semitendinosus/semimembranosus; BF, biceps femoris; SOL, soleus; GaM, gastrocnemius medialis; GaL, gastrocnemius lateralis; TA, tibialis anterior; PL, peroneus longus.







SSC phase

Preactivation

В





Push-off

Braking