

Table S1. – Descriptive table with the results for each muscle and condition. Data are expressed as mean \pm SD. FC, flat condition; URV, unpredictable roll variations; BF, bicep femoris; CoV, coefficient of variation; GM, gastrocnemius medialis; PL, peroneus longus; SOL, soleus; TA, tibialis anterior; VL, vastus lateralis; VM, vastus medialis. * = $p < .05$ FC vs URV; ** = $p < .01$ FC vs URV; *** = $p < .001$ FC vs URV; # = $p < .05$ 8 km·h⁻¹ vs. 12 km·h⁻¹; ## = $p < .01$ 8 km·h⁻¹ vs. 12 km·h⁻¹; ### = $p < .001$ 8 km·h⁻¹ vs. 12 km·h⁻¹; \$ = $p < .05$ 8 km·h⁻¹ vs. 10 km·h⁻¹; \$\$ = $p < .01$ 8 km·h⁻¹ vs. 10 km·h⁻¹; \$\$\$ = $p < .001$ 8 km·h⁻¹ vs. 10 km·h⁻¹; £ = $p < .05$ 10 km·h⁻¹ vs. 12 km·h⁻¹; ££ = $p < .01$ 10 km·h⁻¹ vs. 12 km·h⁻¹; £££ = $p < .001$ 10 km·h⁻¹ vs. 12 km·h⁻¹

			8 km·h ⁻¹	10 km·h ⁻¹	12 km·h ⁻¹
BF	Mean peaks (mV)	FC	0.225 \pm 0.064	0.261 \pm 0.086	0.283 \pm 0.092
		URV	0.297 \pm 0.234	0.285 \pm 0.206	0.260 \pm 0.069
			p _{bonf} = 1, d = -0.503	p _{bonf} = 1, d = -0.168	p _{bonf} = 1, d = 0.162
	Mean width (ms)	FC	102 \pm 14	100 \pm 13	102 \pm 11
		URV	104 \pm 15	101 \pm 13 ^{\$\$}	104 \pm 12 ^{£££}
			p _{bonf} = 1, d = -0.141	p _{bonf} = <.001 ^{***} , d = -1.279	p _{bonf} = 1, d = -0.175
GM	Mean peaks (mV)	FC	0.392 \pm 0.065	0.406 \pm 0.094	0.410 \pm 0.088
		URV	0.411 \pm 0.154	0.420 \pm 0.129	0.543 \pm 0.260 ^{##}
			p _{bonf} = 1, d = -0.038	p _{bonf} = 1, d = -0.194	p _{bonf} = 0.042*, d = -0.906
	Mean width (ms)	FC	123 \pm 10	127 \pm 13	127 \pm 16
		URV	128 \pm 11	125 \pm 15	118 \pm 17 [#]
			p _{bonf} = 1, d = -0.344	p _{bonf} = 1, d = 0.124	p _{bonf} = 0.102, d = 0.653
PL	Mean peaks (mV)	FC	0.217 \pm 0.078	0.230 \pm 0.084	0.246 \pm 0.079 ^{###}
		URV	0.210 \pm 0.062	0.200 \pm 0.059	0.229 \pm 0.072 ^{###,£}
			p _{bonf} = 1, d = 0.244	p _{bonf} = 1, d = 0.278	p _{bonf} = 1, d = 0.235
	Mean width (ms)	FC	115 \pm 14	113 \pm 15	110 \pm 15
		URV	119 \pm 12	119 \pm 13	117 \pm 15
			p _{bonf} = 1, d = -0.313	p _{bonf} = 0.278, d = -0.425	p _{bonf} = 0.203, d = -0.448
SOL	Mean peaks (mV)	FC	0.228 \pm 0.085	0.242 \pm 0.089	0.268 \pm 0.108 ^{##}
		URV	0.270 \pm 0.146	0.268 \pm 0.133	0.290 \pm 0.144
			p _{bonf} = 1, d = -0.356	p _{bonf} = 1, d = -0.216	p _{bonf} = 1, d = -0.180
	Mean width (ms)	FC	120 \pm 9	119 \pm 12	116 \pm 12
		URV	118 \pm 11	116 \pm 11	116 \pm 11
			p _{bonf} = 1, d = 0.194	p _{bonf} = 1, d = 0.217	p _{bonf} = 1, d = -0.002
ST	Mean peaks (mV)	FC	0.221 \pm 0.078	0.235 \pm 0.051	0.298 \pm 0.088
		URV	0.305 \pm 0.269	0.312 \pm 0.206	0.291 \pm 0.125
			p _{bonf} = 0.980, d = -0.537	p _{bonf} = 1, d = -0.494	p _{bonf} = 1, d = 0.048
	Mean width (ms)	FC	103 \pm 11	103 \pm 12	104 \pm 12
		URV	107 \pm 12	104 \pm 14	104 \pm 14
			p _{bonf} = 0.467, d = -0.302	p _{bonf} = 1, d = -0.135	p _{bonf} = 1, d = -0.003
TA	Mean peaks (mV)	FC	0.166 \pm 0.083	0.176 \pm 0.091	0.179 \pm 0.057
		URV	0.159 \pm 0.075	0.175 \pm 0.081	0.176 \pm 0.054
			p _{bonf} = 1, d = 0.089	p _{bonf} = 1, d = 0.008	p _{bonf} = 1, d = 0.047

	Mean width (ms)	FC	102±17	96±15	99±16
		URV	105±14	104±18	103±16
			$p_{\text{bonf}} = 1, d = -0.216$	$p_{\text{bonf}} = 0.419, d = -0.466$	$p_{\text{bonf}} = 1, d = -0.251$
	VL Mean peaks (mV)	FC	0.205±0.044	0.232±0.050	0.249±0.041 ^{##}
		URV	0.242±0.088	0.240±0.063	0.253±0.068
			$p_{\text{bonf}} = 0.224, d = -0.618$	$p_{\text{bonf}} = 1, d = -0.129$	$p_{\text{bonf}} = 1, d = -0.065$
	Mean width (ms)	FC	107±9	100±9 ^{\$\$\$}	96±10 ^{###}
		URV	105±9	100±9 ^{\$}	100±9 ^{##}
			$p_{\text{bonf}} = 1, d = 0.195$	$p_{\text{bonf}} = 1, d = -0.034$	$p_{\text{bonf}} = 0.417, d = -0.353$
	VM Mean peaks (mV)	FC	0.254±0.149	0.220±0.070	0.209±0.066
		URV	0.206±0.067	0.218±0.071	0.211±0.084
			$p_{\text{bonf}} = 0.874, d = 0.539$	$p_{\text{bonf}} = 1, d = -0.096$	$p_{\text{bonf}} = 1, d = 0.102$
	Mean width (ms)	FC	107±7	102±6 ^{\$\$}	99±8 ^{###}
		URV	110±10	104±10	102±10
			$p_{\text{bonf}} = 1, d = 0.919$	$p_{\text{bonf}} = 1, d = -0.219$	$p_{\text{bonf}} = 1, d = -0.289$