

Table S1: Raw tension and mass measurements from isolated muscles in solutions of varying tonicity

<u>Muscle Number</u>	<u>Ringer's concentration (% of normal)</u>	<u>Passive tension at 1.15L₀ (N)</u>	<u>Muscle mass (g)</u>	<u>Tension normalized to 100% condition</u>	<u>Mass normalized to 100% condition</u>
1	100	1.171	4.165	1.000	1.000
	75	1.217	4.278	1.039	1.027
	50	1.320	4.493	1.127	1.079
	25	1.654	4.989	1.412	1.198
2	100	0.876	3.036	1.000	1.000
	75	0.885	3.010	1.011	0.991
	50	0.976	3.116	1.114	1.026
	25	1.246	3.588	1.422	1.182
3	100	1.522	3.316	1.000	1.000
	75	1.644	3.354	1.080	1.011
	50	1.746	3.512	1.147	1.059
	25	2.216	3.775	1.456	1.138
4	100	0.513	3.045	1.000	1.000
	75	0.561	3.069	1.093	1.008
	50	0.636	3.190	1.240	1.048
	25	0.796	3.655	1.551	1.200
5	100	1.183	3.348	1.000	1.000
	75	1.226	3.356	1.036	1.002
	50	1.391	3.493	1.176	1.043
	25	1.793	3.890	1.515	1.162
6	100	1.466	3.391	1.000	1.000
	75	1.597	3.420	1.089	1.009
	50	1.717	3.540	1.171	1.044
	25	2.033	3.850	1.387	1.135
7	100	0.847	3.564	1.000	1.000
	75	0.882	3.634	1.042	1.020
	50	0.948	3.769	1.119	1.058
	25	1.210	4.163	1.429	1.168