



Figure 4 – Figure Supplement 1. Experimental evaluation of parameters for Maresin-1 treatment of MuSCs and their progeny in vitro. **A)** Maresin-1 dose response curve showed the most impact on proliferation with treatment using 10nM. There was no statistically significant effect with higher doses. * $p < 0.05$ by one-way ANOVA with post-hoc analysis. $n = 4$ wells per condition, each reflecting the combined analysis of 10 images. **B)** MuSCs isolated from P7Wnt mice demonstrate increased percentage of GFP+ cells in response to treatment with recombinant Wnt3a protein. * $p < 0.05$ by two-sided, two-sample t-test. $n = 8$ wells per condition. **C)** ELISA assay targeting TGFβ1 in VML injured TAs muscles. Maresin 1 and vehicle treatments were administered every 2 days throughout 7 dpi. Points show mean ± SEM and * $p < 0.05$ between uninjured and vehicle, uninjured and Maresin 1 treatments by one-way ANOVA and post-hoc. $n = 3-4$ tissues from 2 mice per group.