



**Fig. S1** Scatter and density plots depicting the distribution of tree girth measured at 20 cm above the graft union of all individual trees; trees of the apple cultivar Gala, grafted onto the M9 rootstock, were planted in March 2020 with soils amended with one of nine soil treatments in addition to an unamended control. At planting, girth was measured at 5 cm above the graft union. In total there were 200 trees: 20 replicate trees for each treatment.