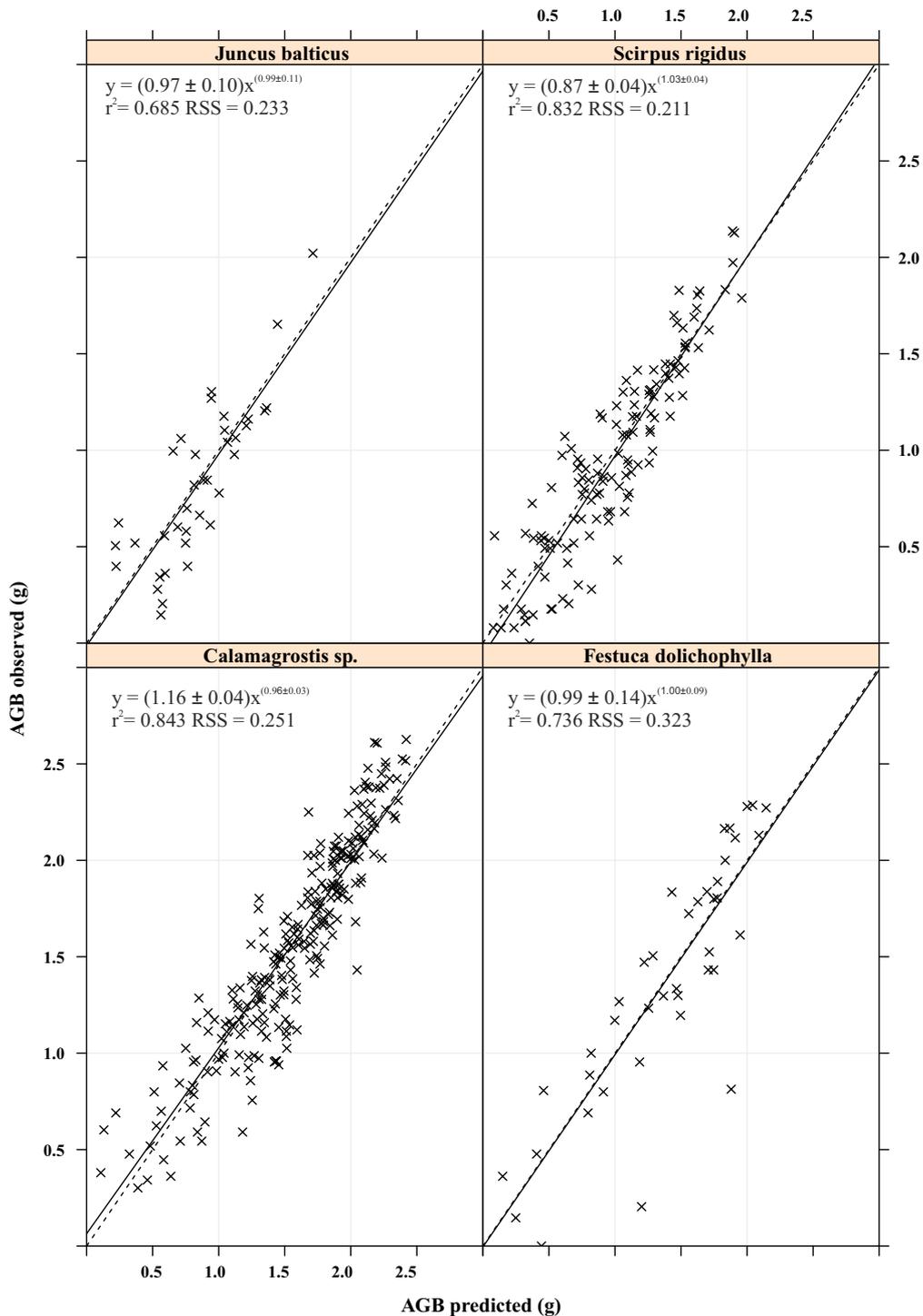


Appendix S6. Species-specific regressions between predicted above-ground biomass (AGB predicted) with Model X and the above-ground biomass collected in the field (AGB observed). Each cross corresponds to an individual tussock. Coefficient values are expressed with the standard error ( $\pm$ SE). The black line corresponds to the model regression, and the dashed line corresponds to the 1:1 fit.



Appendix S7. Species-specific regressions between predicted above-ground biomass (AGB predicted) with Model XII and the above-ground biomass collected in the field (AGB observed). Each cross corresponds to an individual tussock. Coefficient values are expressed with the standard error ( $\pm$ SE). The black line corresponds to the model regression, and the dashed line corresponds to the 1:1.



Appendix S8. Photo of one of the Wayqecha transects with the view of the plots after clipping all above-ground biomass. Most dead material is still attached to the tussocks, and after clipping litterfall is negligible.