

Figure S2: Pairwise comparisons of differences in critical N concertation for all levels of location:variety

Pairwise comparison of the difference in critical N concentration values [ $\Delta\%N_c$ ] between the critical N concentration [ $\%N_c$ ] for a given reference curve (i.e., title) and  $\%N_c$  for all levels of location:variety evaluated in the present study (i.e., facets). The grey shaded region represents the 90% credible region (lower bound, 5% quantile; upper bound, 95% quantile) for  $\Delta\%N_c$ . The colored points represent the median value for  $\Delta\%N_c$  at a given biomass level where blue or red color respectively indicate that credible region for  $\Delta\%N_c$  does or does not contain zero. The solid black line represents a constant value of zero (i.e.,  $\%N_c$  for reference curve). The range of biomass values for which  $\Delta\%N_c$  is not significantly different (i.e., credible region contains zero) is given in brackets.

