Figure 4. Significance of dietary transition in curtailing global warming.

Using projected CH_4 and N_2O levels in 2100 under business as usual diet as a baseline for RF calculation, we computed the CO_2 reductions necessary to reduce RF from the business as usual diet level of RF=5.13 to the bovid-free diet level of RF=4.26 (1410 Gt CO_2), the plant-only diet level of RF=3.88 (1950 Gt CO_2), the 2.0˚C global warming target of RF=2.6 (3560 Gt CO_2) and the 1.5˚C global warming target of RF=1.9 (4300 Gt CO_2). For this analysis we used a corrected RF that accounts for the absence of other gases in our calculation by training a linear regression model on published MAGICC6 output to estimate from CO_2, CH_4 and N_2O levels the residual RF impact of other gases.