

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  $2.0^\circ C$  global warming target of  $RF=2.6$  (3560 Gt  $CO_2$ ) and the  $1.5^\circ C$  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.

