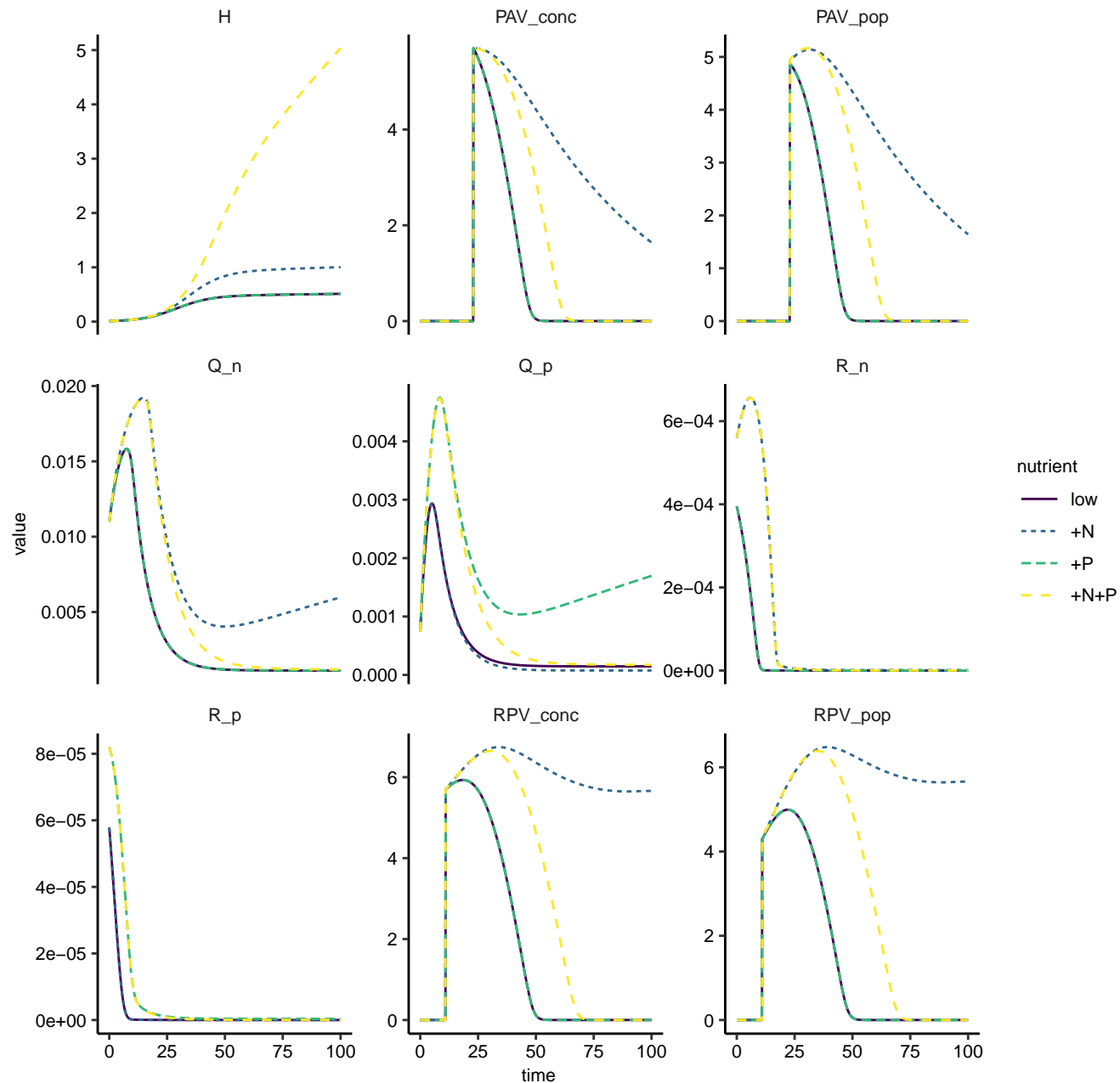
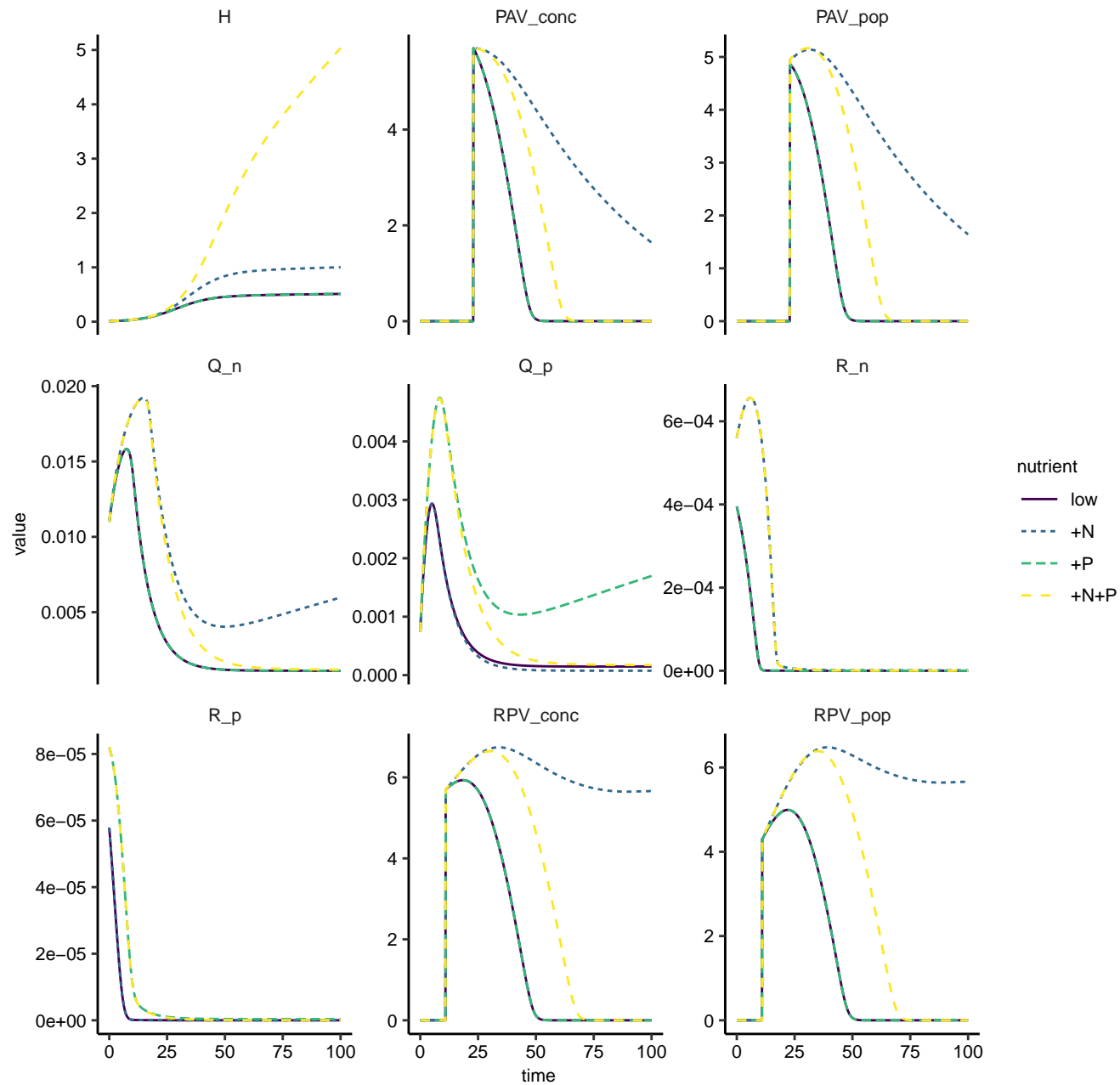


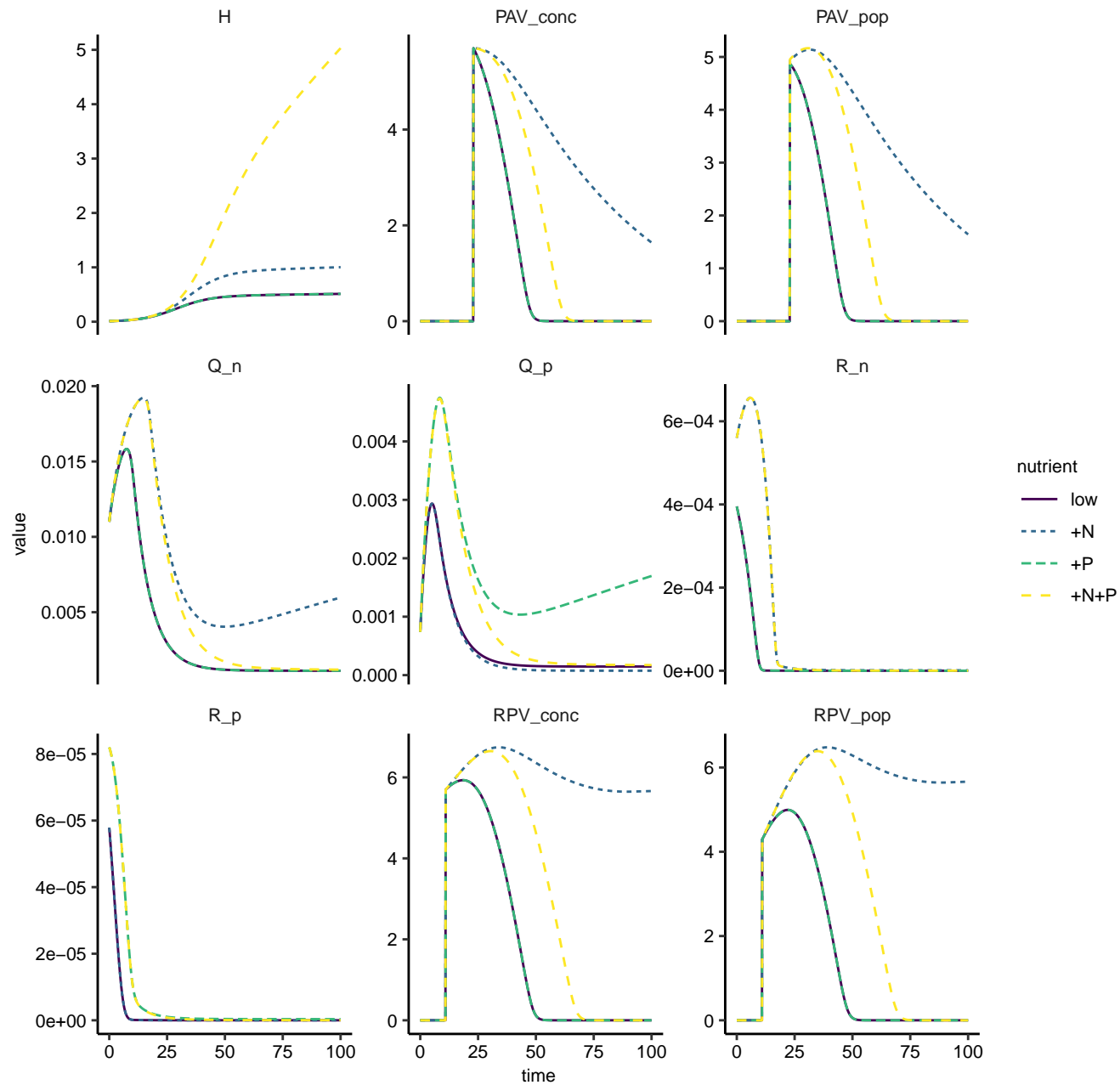
$z_nb = 1e-18$; $z_nc = 1e-18$



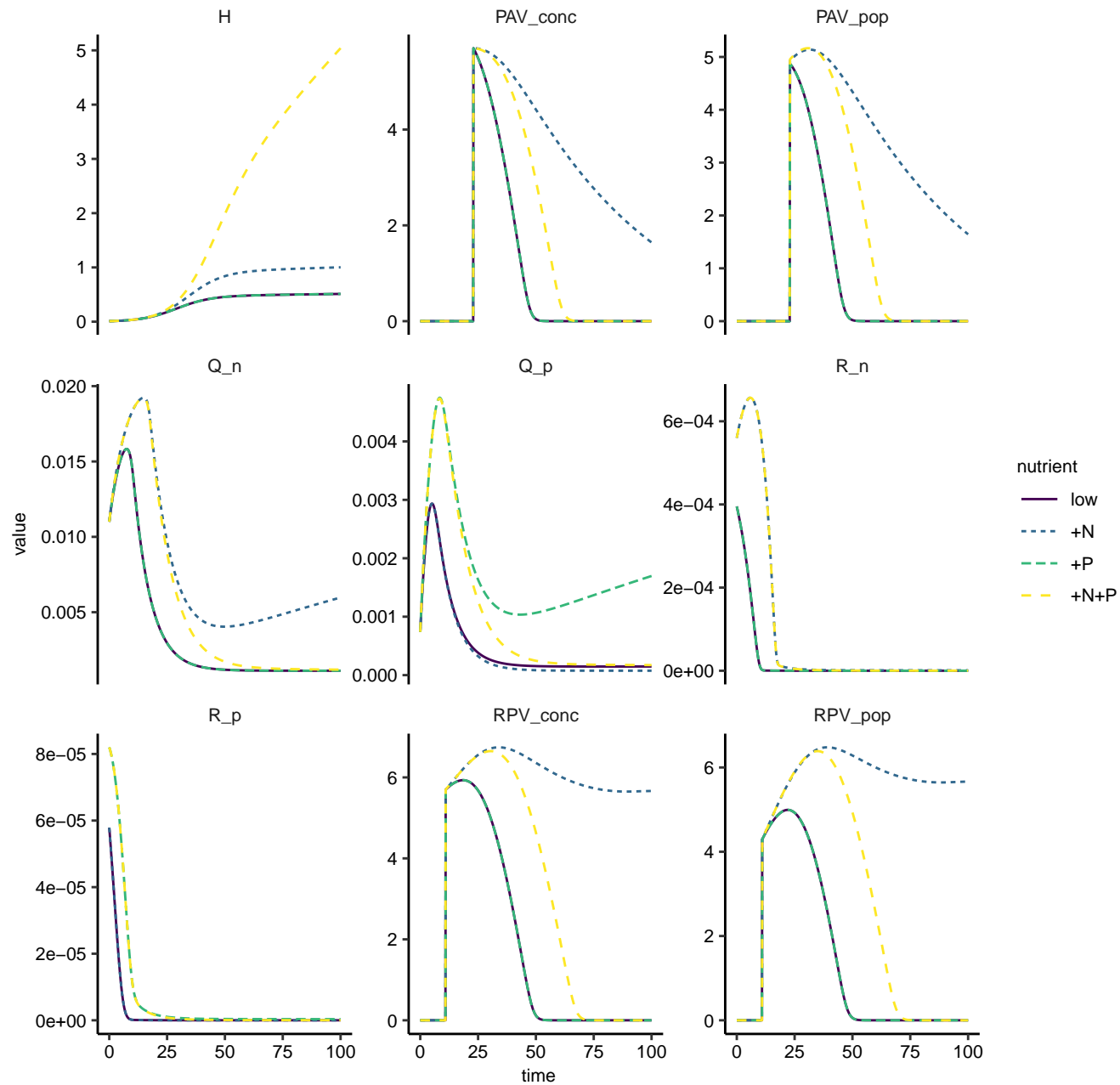
$z_nb = 1e-18$; $z_nc = 1e-16$



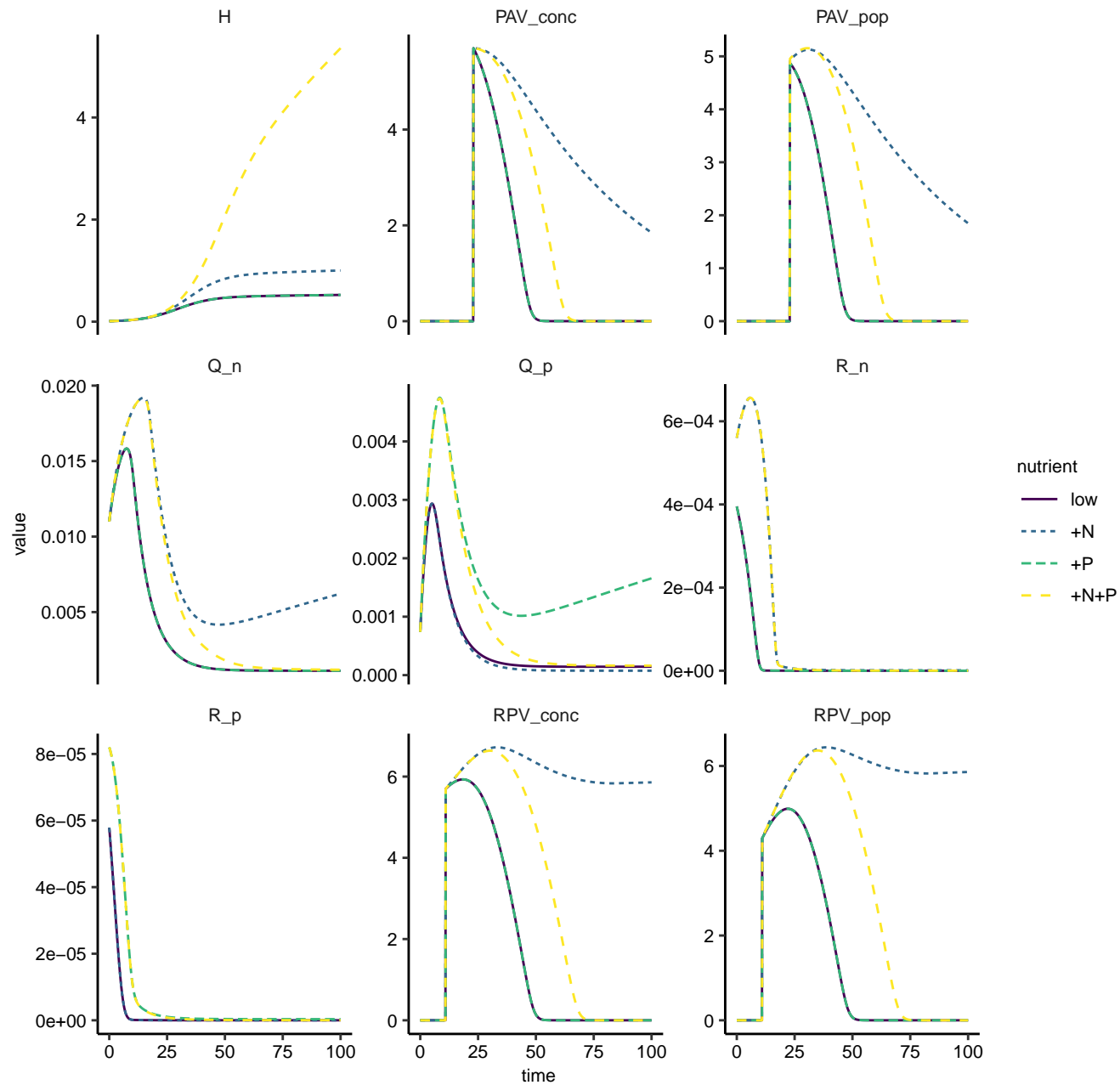
$z_nb = 1e-18; z_nc = 1e-14$



$z_nb = 1e-18$; $z_nc = 1e-12$

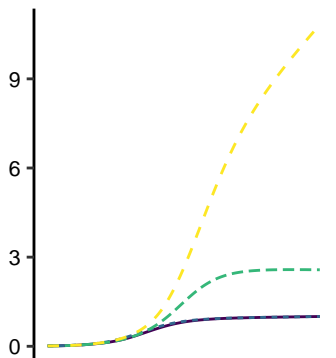


$z_nb = 1e-18$; $z_nc = 1e-10$

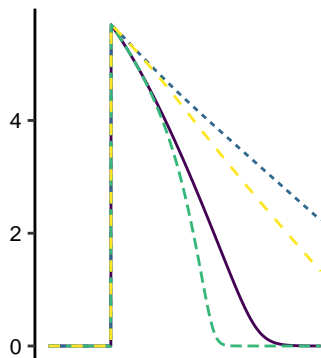


$z_nb = 1e-18$; $z_nc = 1e-08$

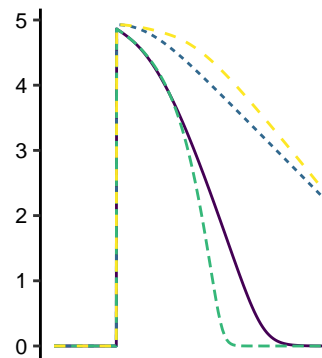
H



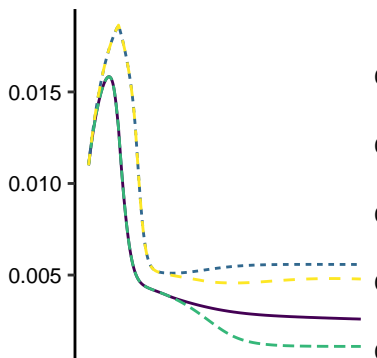
PAV_conc



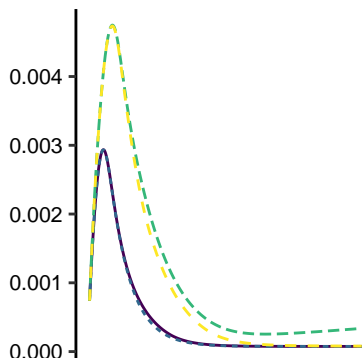
PAV_pop



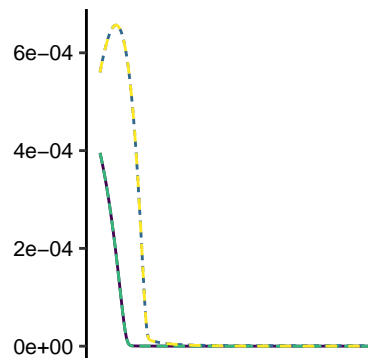
Q_n



Q_p



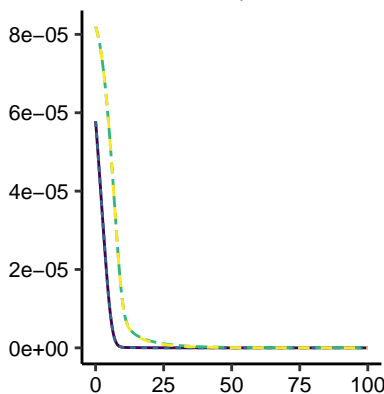
R_n



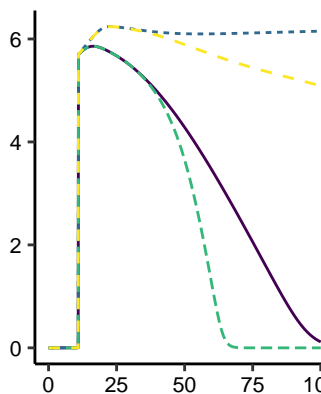
nutrient

low
+N
+P
+N+P

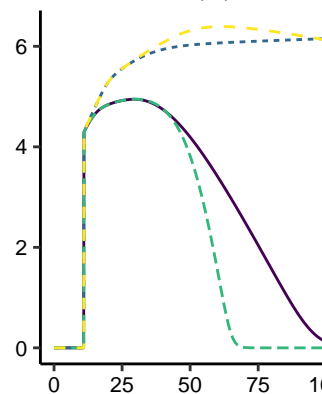
R_p



RPV_conc

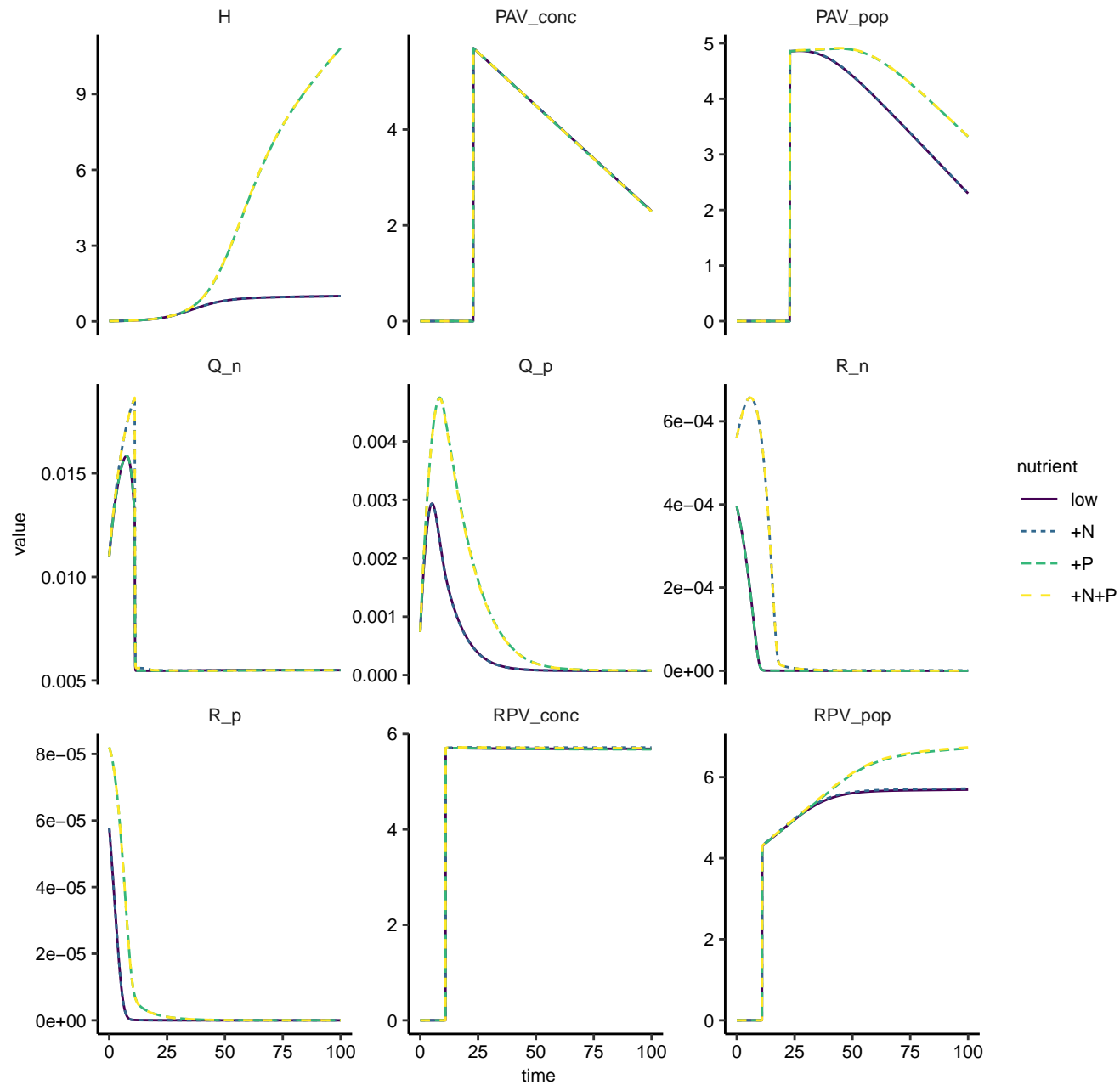


RPV_pop

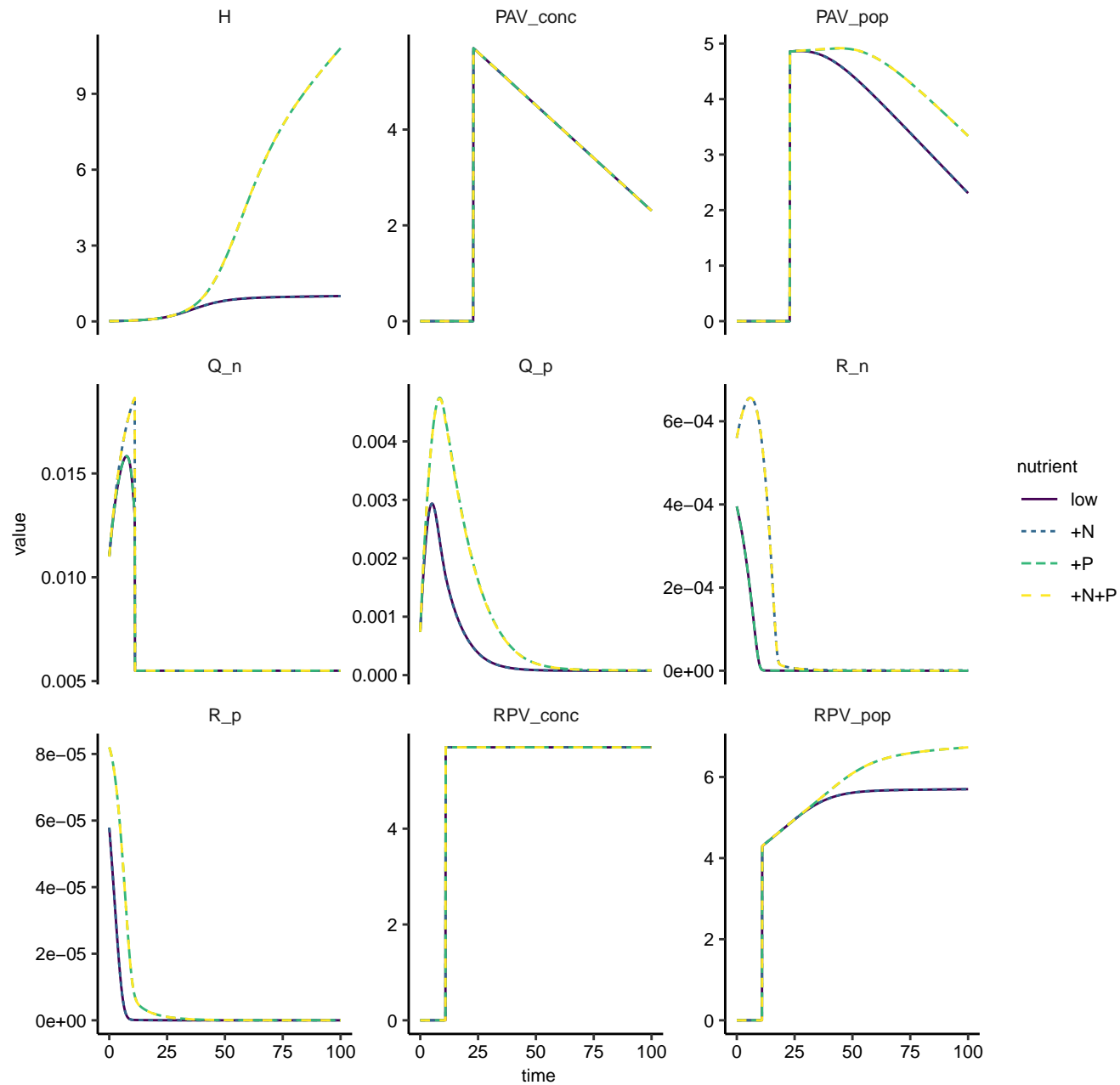


time

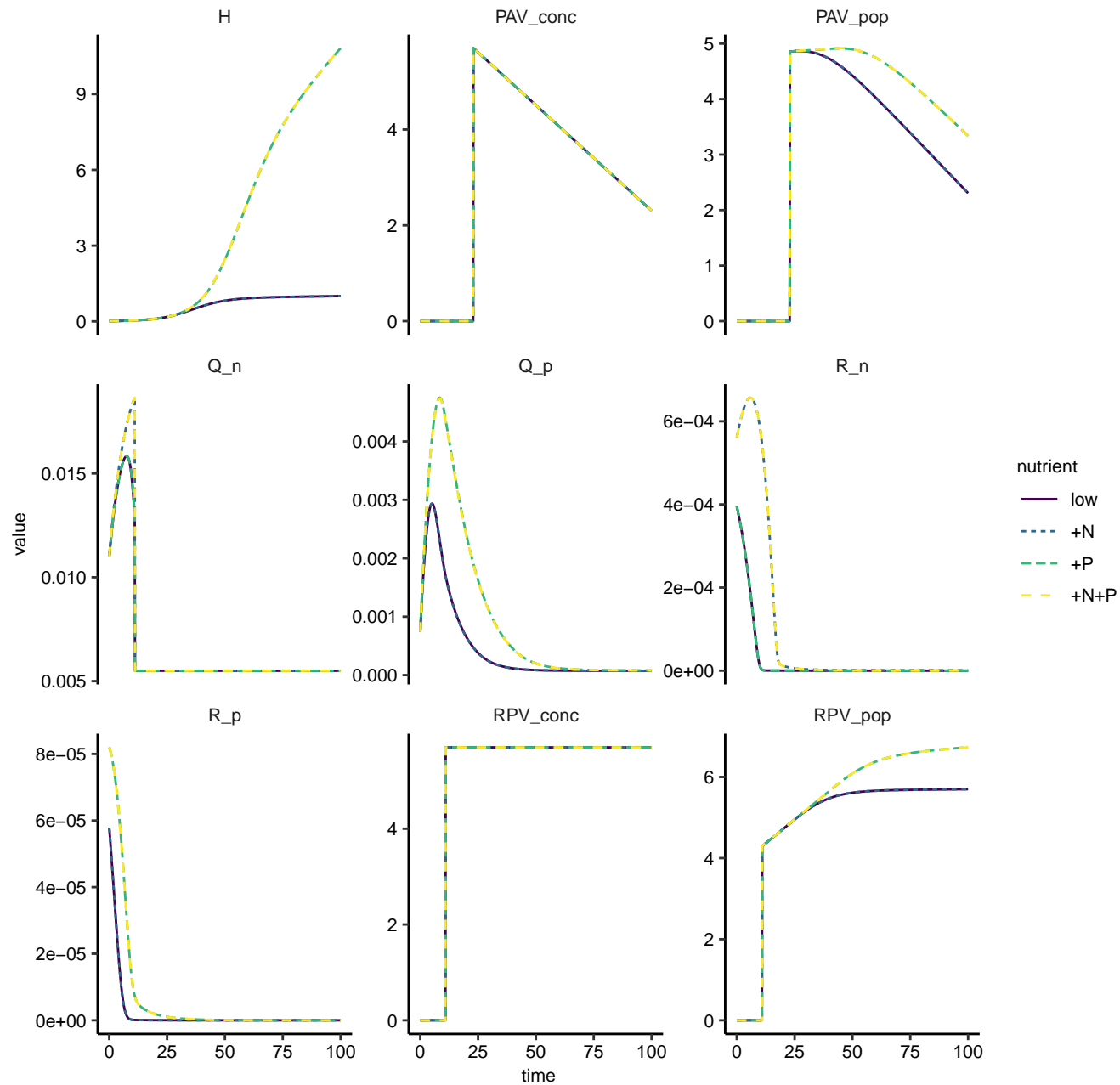
$z_nb = 1e-18$; $z_nc = 1e-06$



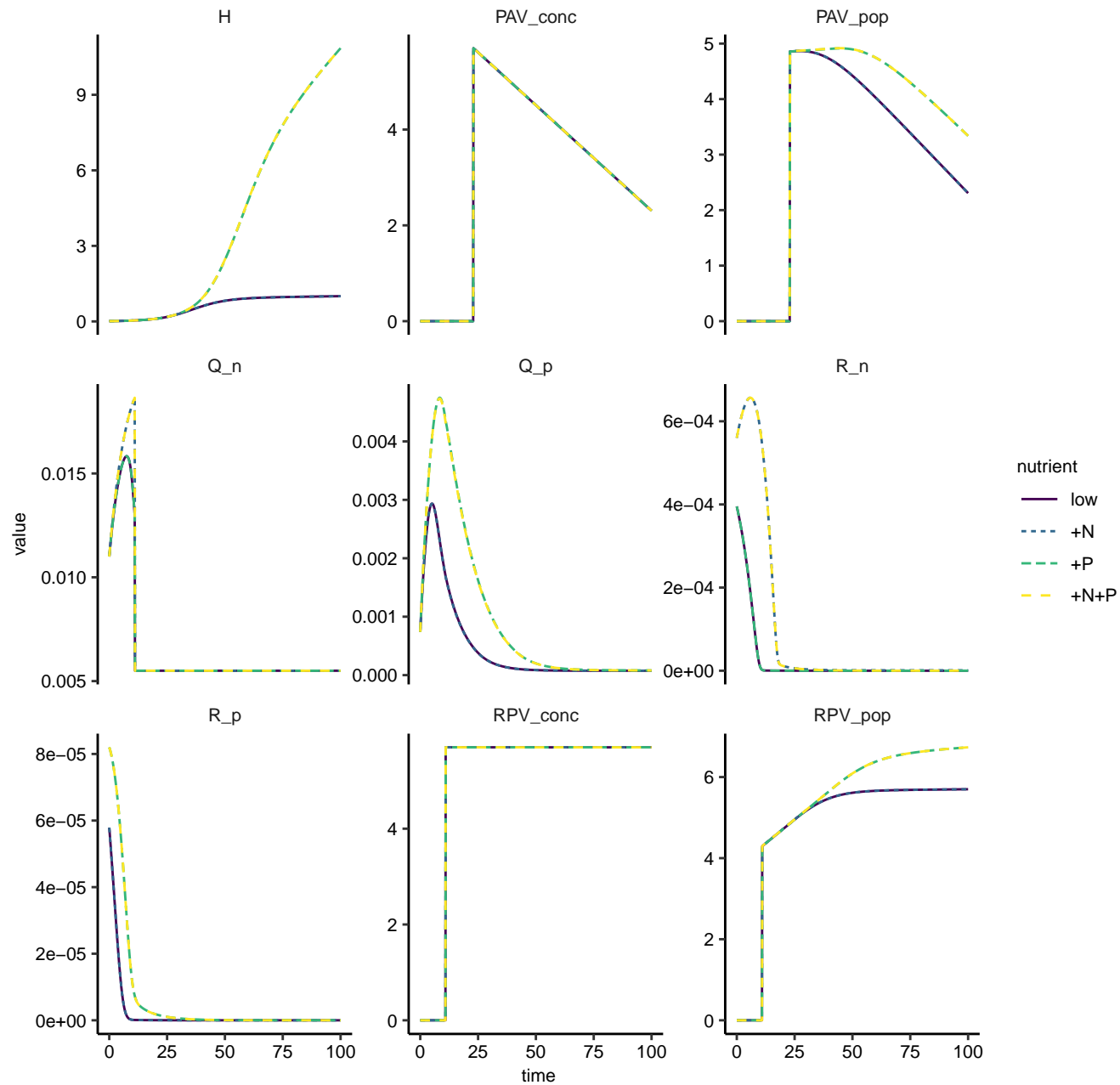
$z_nb = 1e-18$; $z_nc = 1e-04$



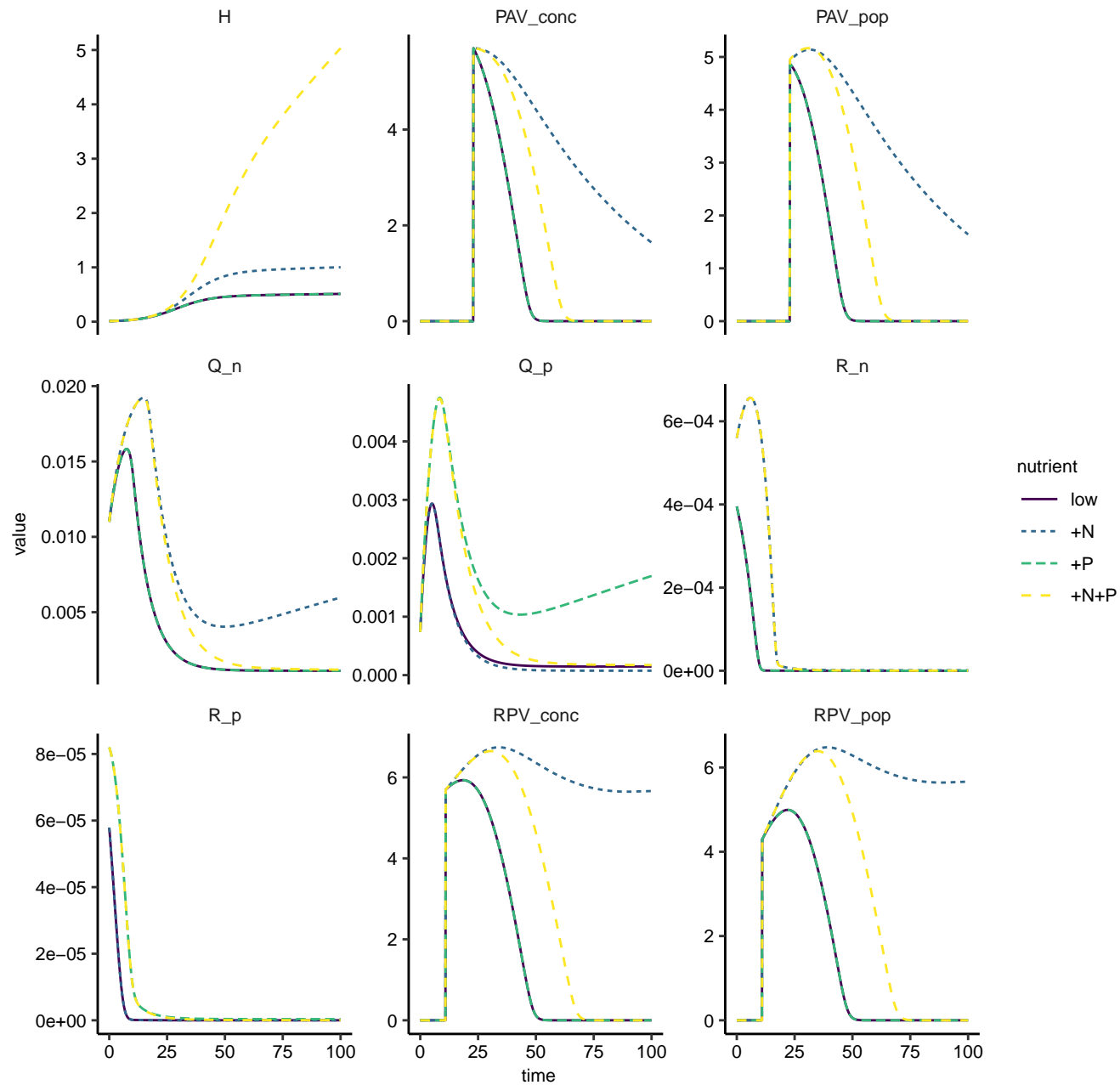
$z_nb = 1e-18$; $z_nc = 0.01$



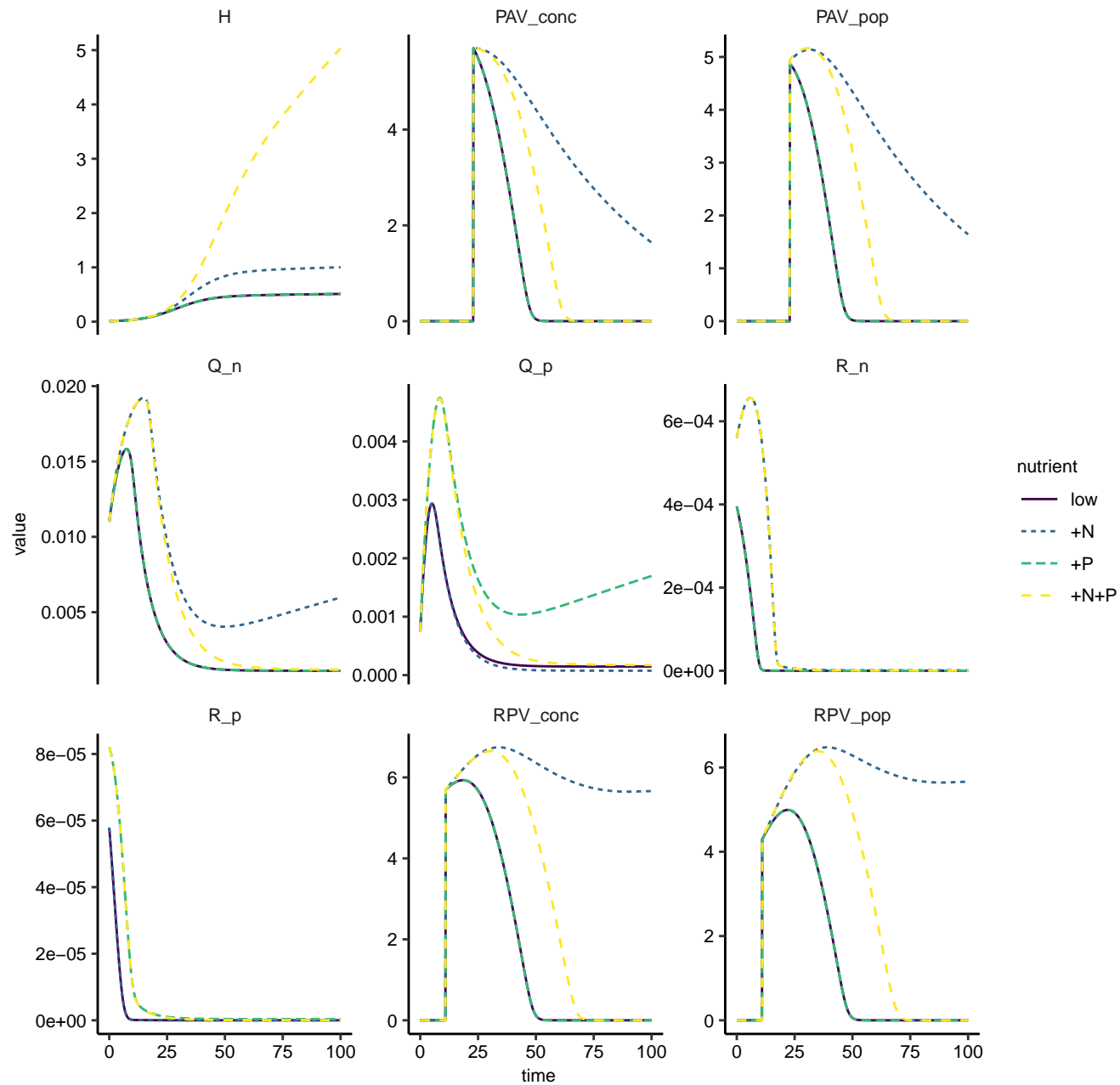
$z_nb = 1e-18$; $z_nc = 1$



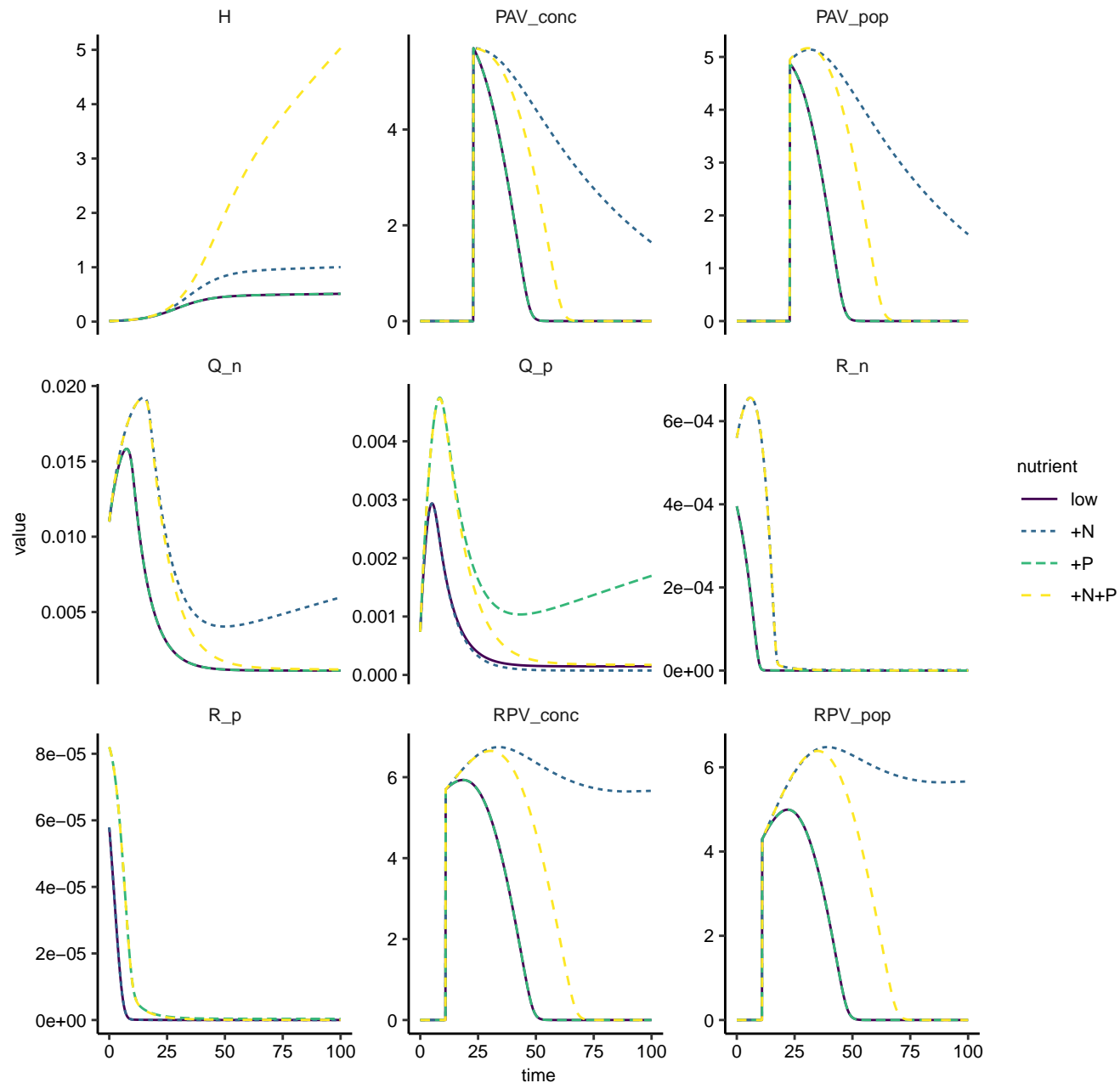
$z_nb = 1e-16$; $z_nc = 1e-18$



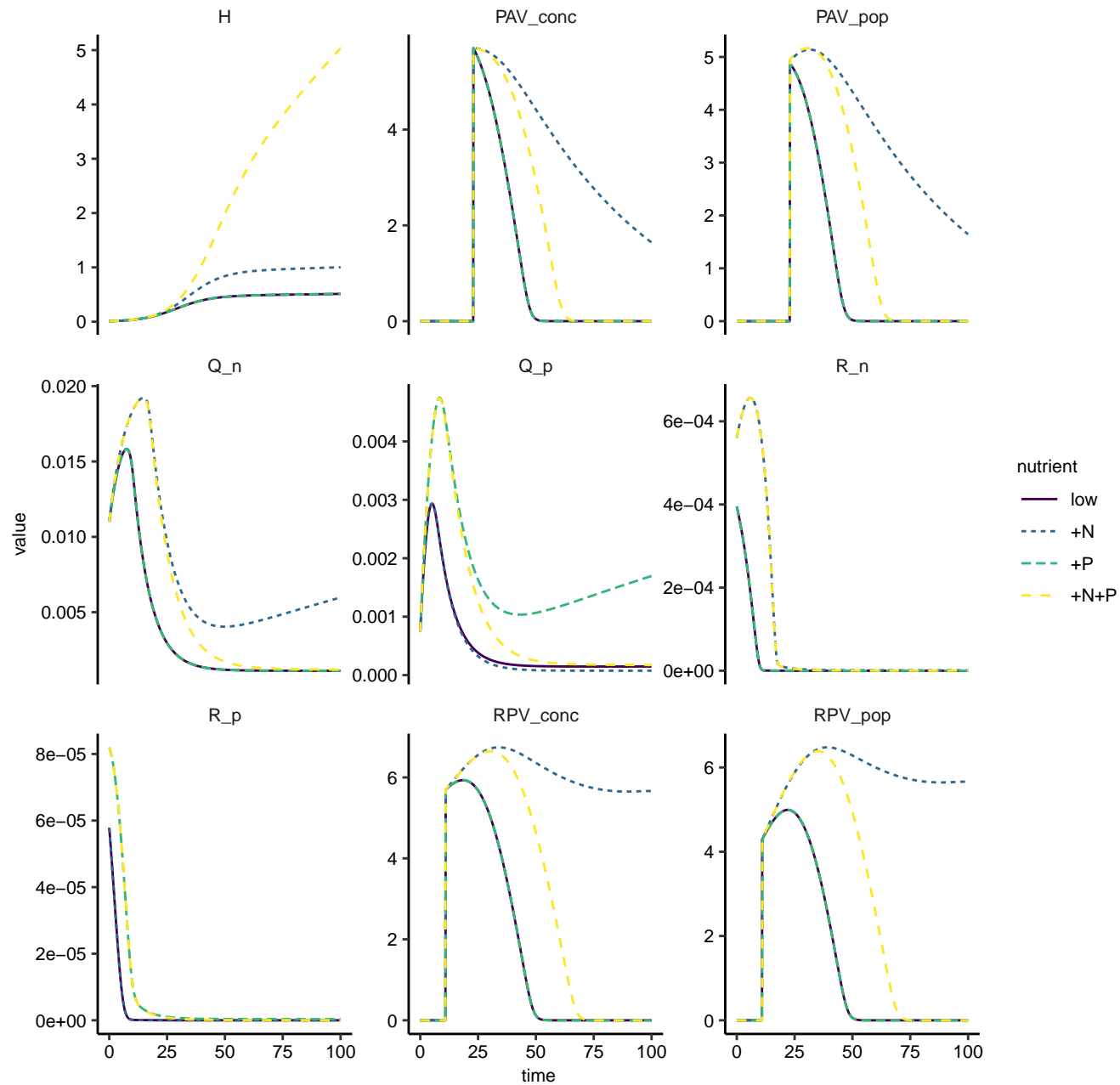
$z_nb = 1e-16$; $z_nc = 1e-16$



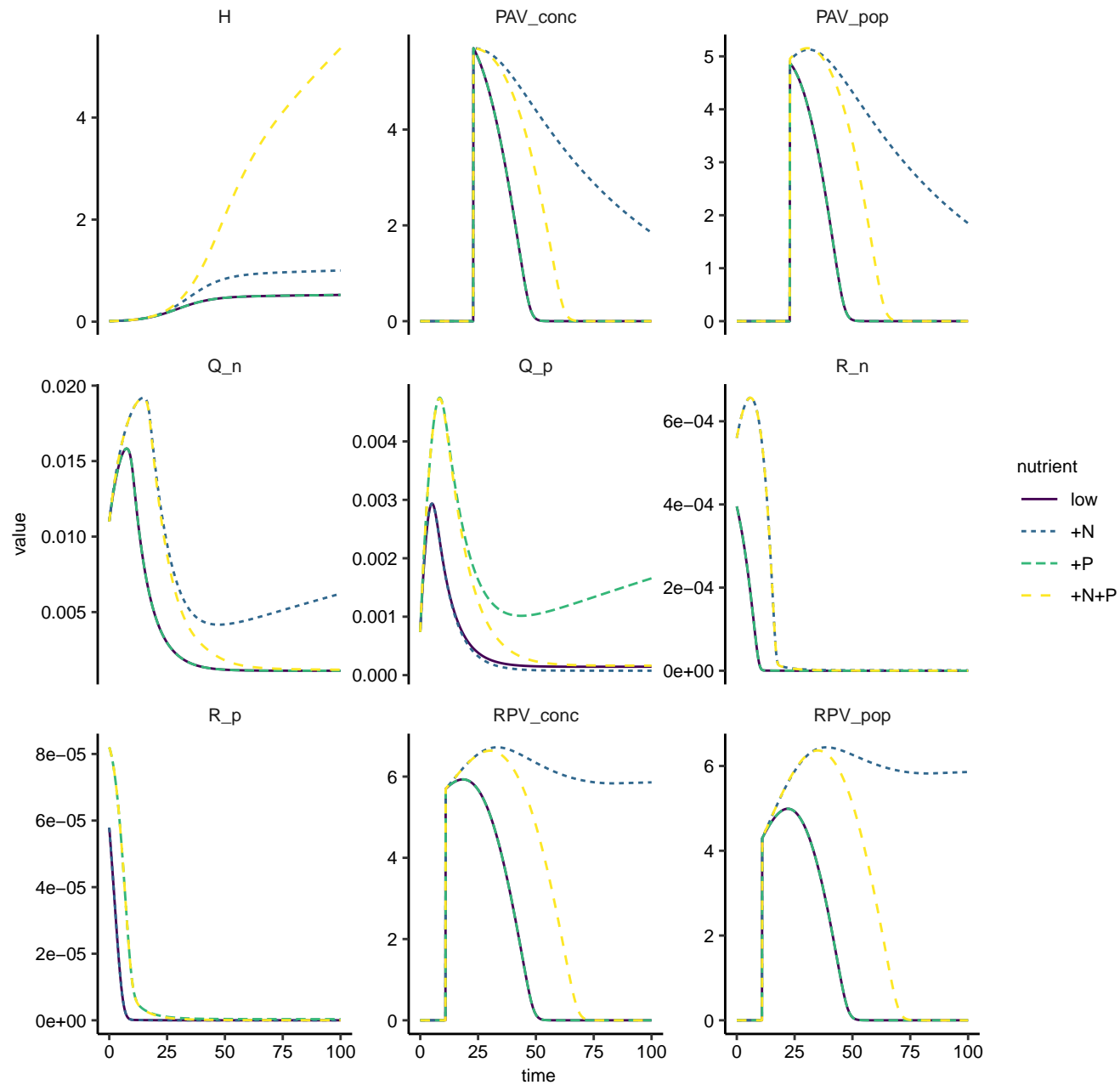
$z_nb = 1e-16$; $z_nc = 1e-14$



$z_nb = 1e-16$; $z_nc = 1e-12$

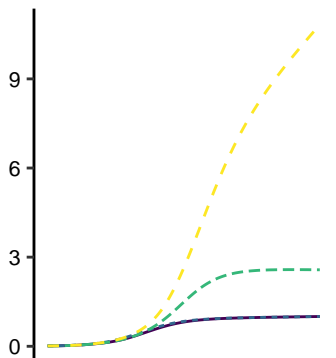


$z_nb = 1e-16$; $z_nc = 1e-10$

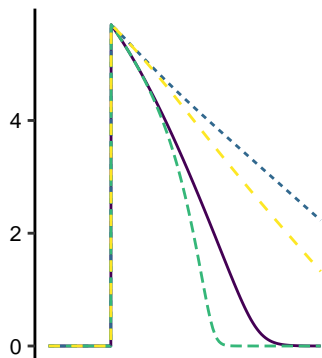


$z_nb = 1e-16$; $z_nc = 1e-08$

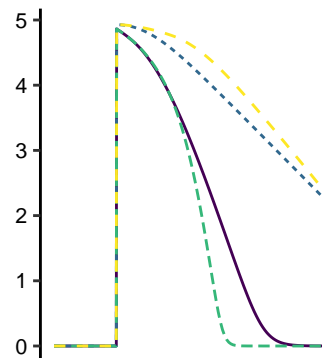
H



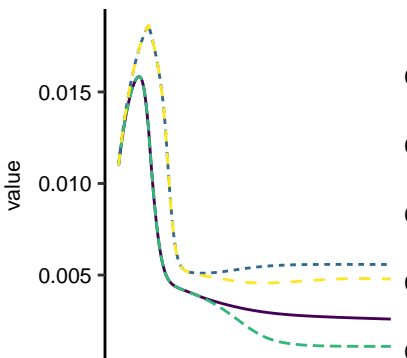
PAV_conc



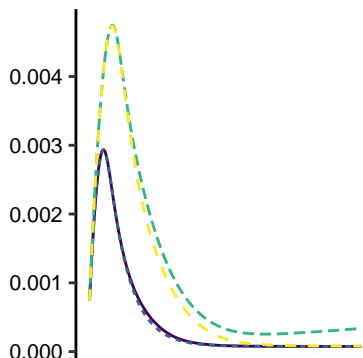
PAV_pop



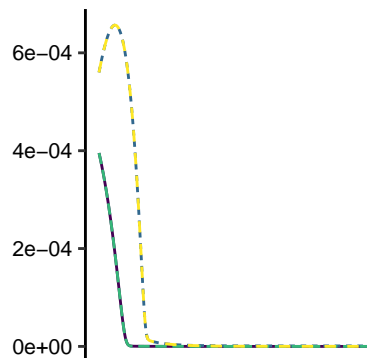
Q_n



Q_p



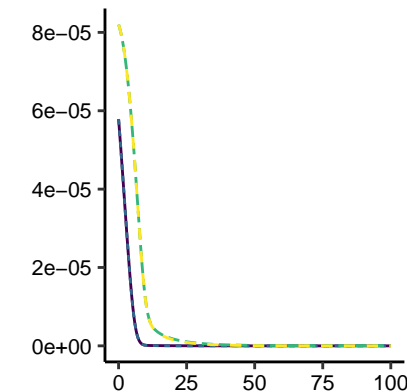
R_n



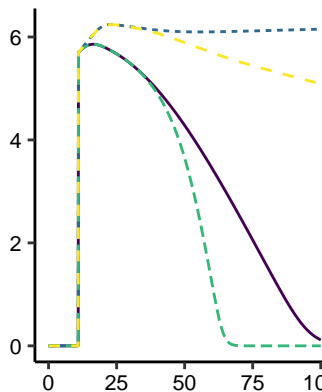
nutrient

low
+N
+P
+N+P

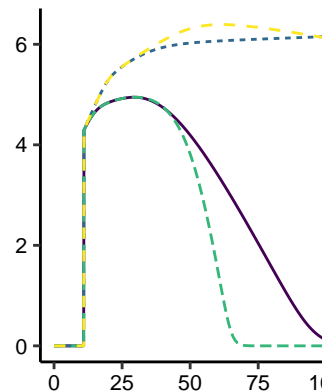
R_p



RPV_conc

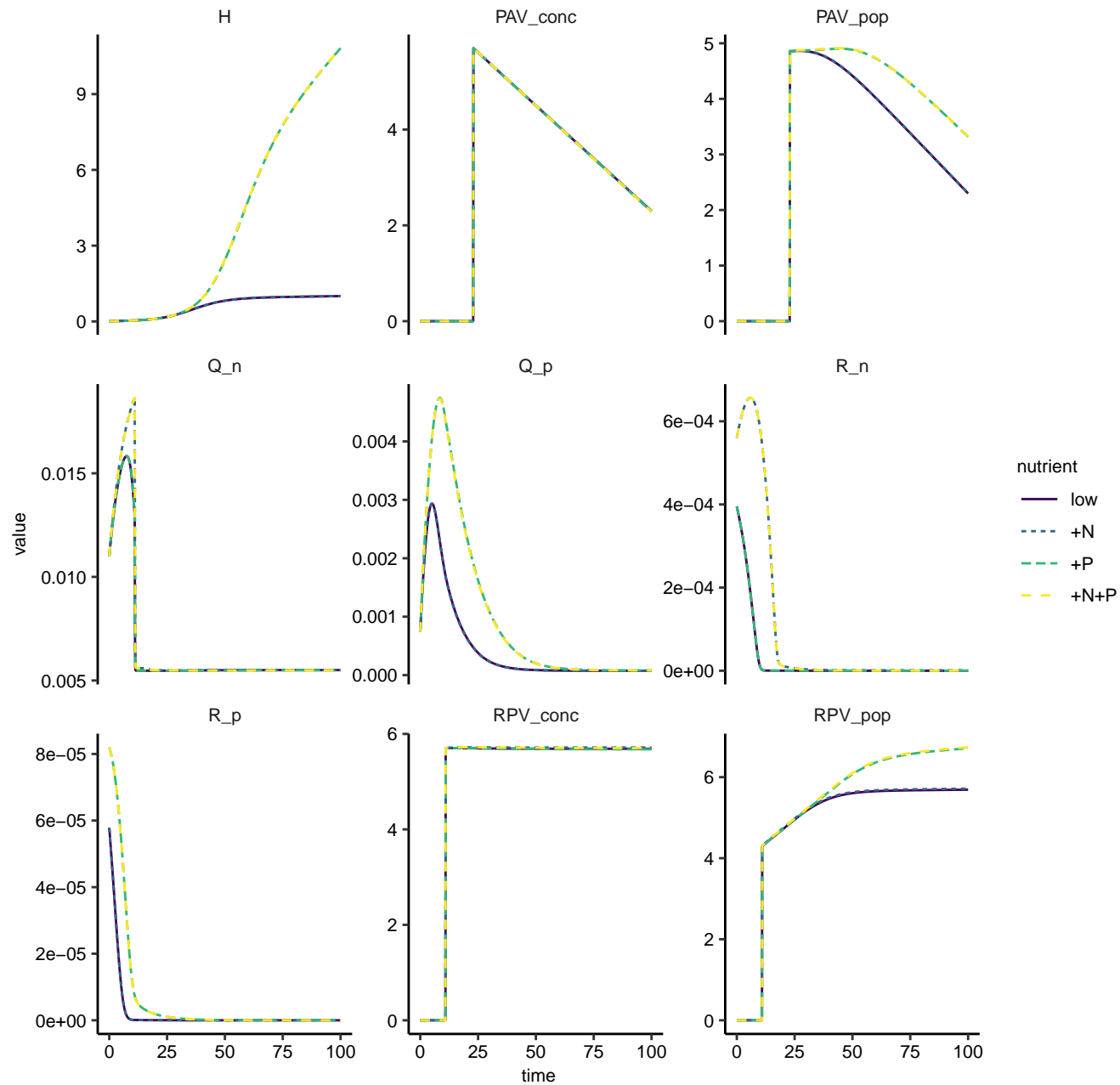


RPV_pop

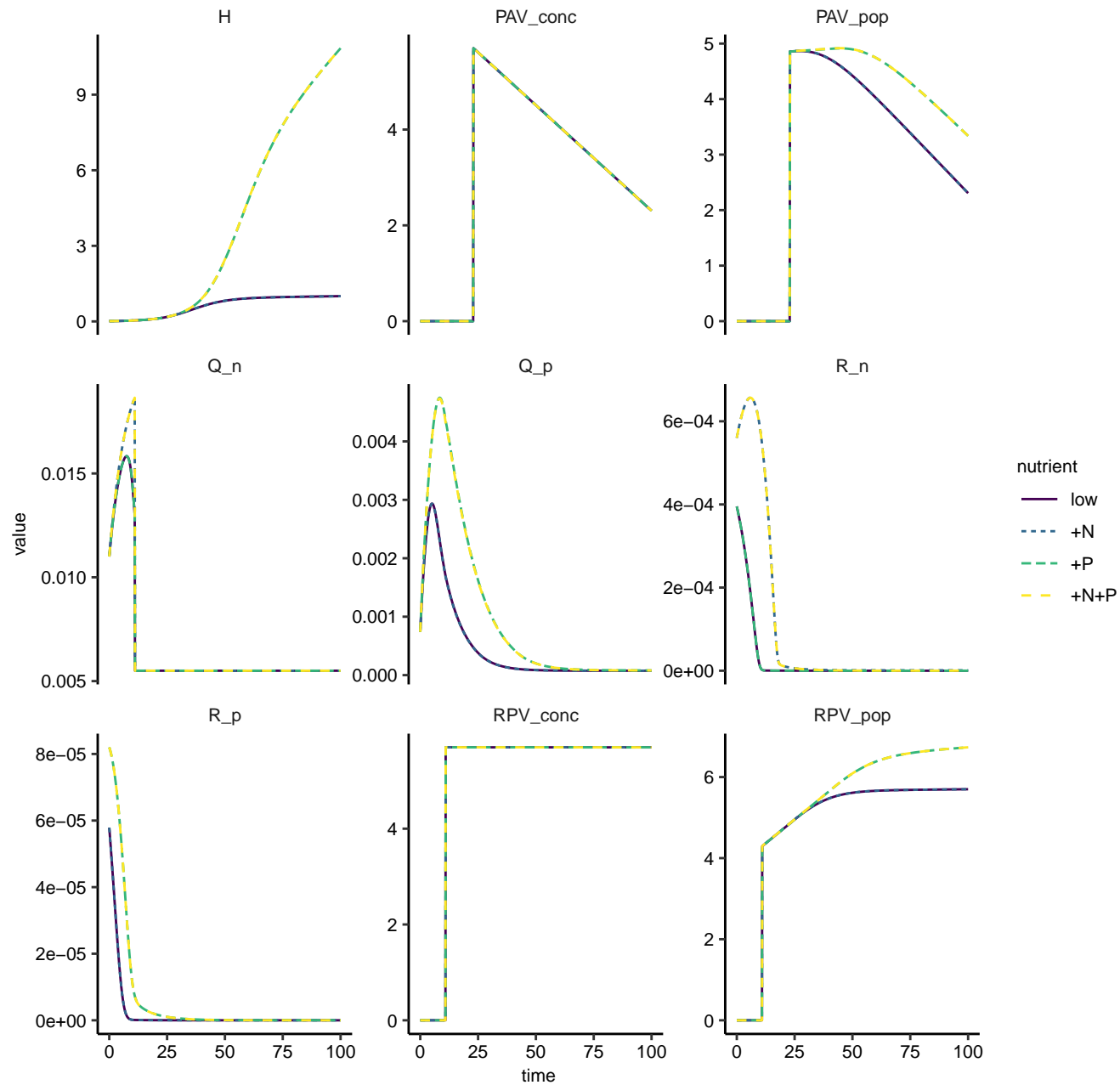


time

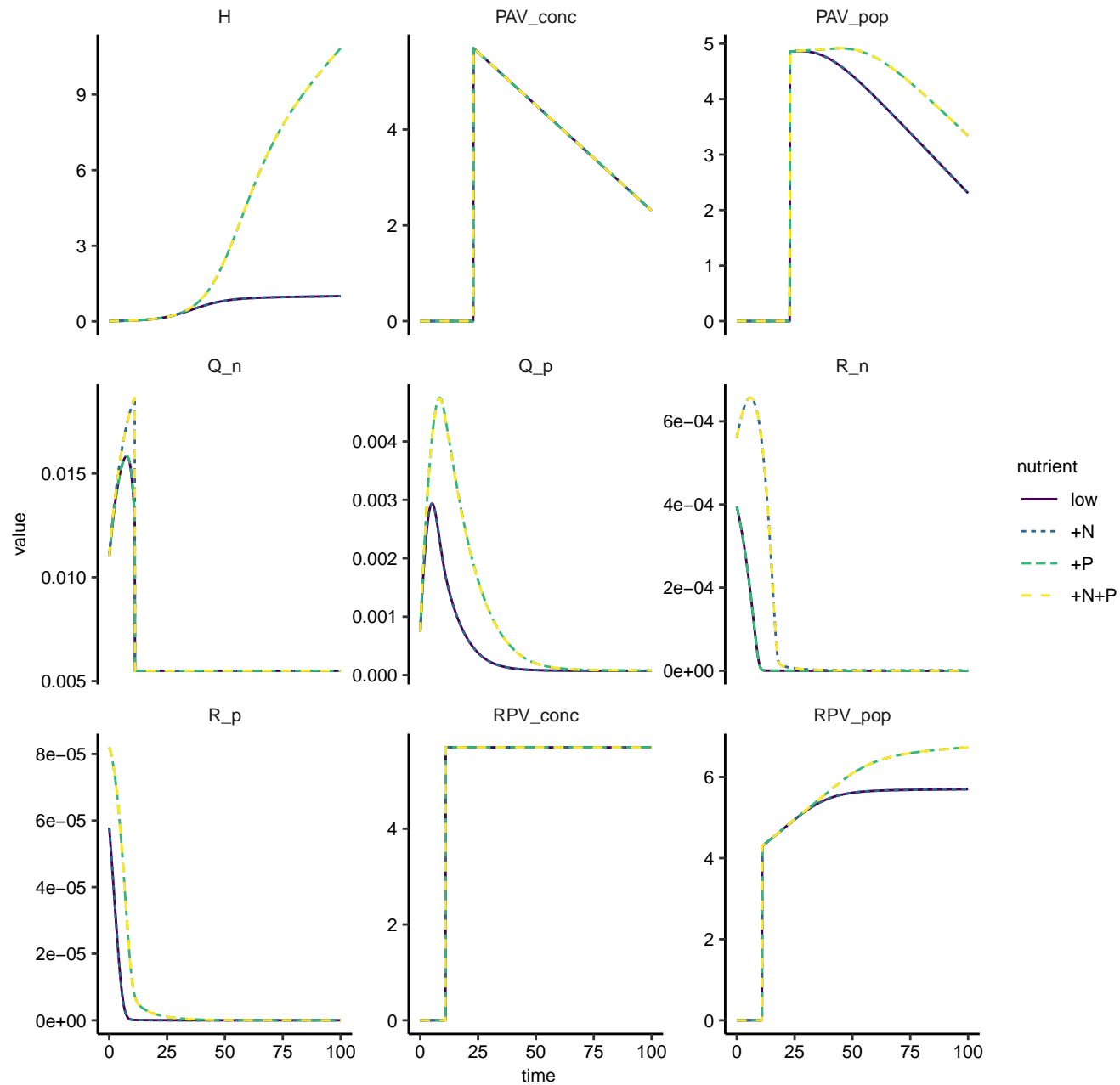
$z_nb = 1e-16$; $z_nc = 1e-06$



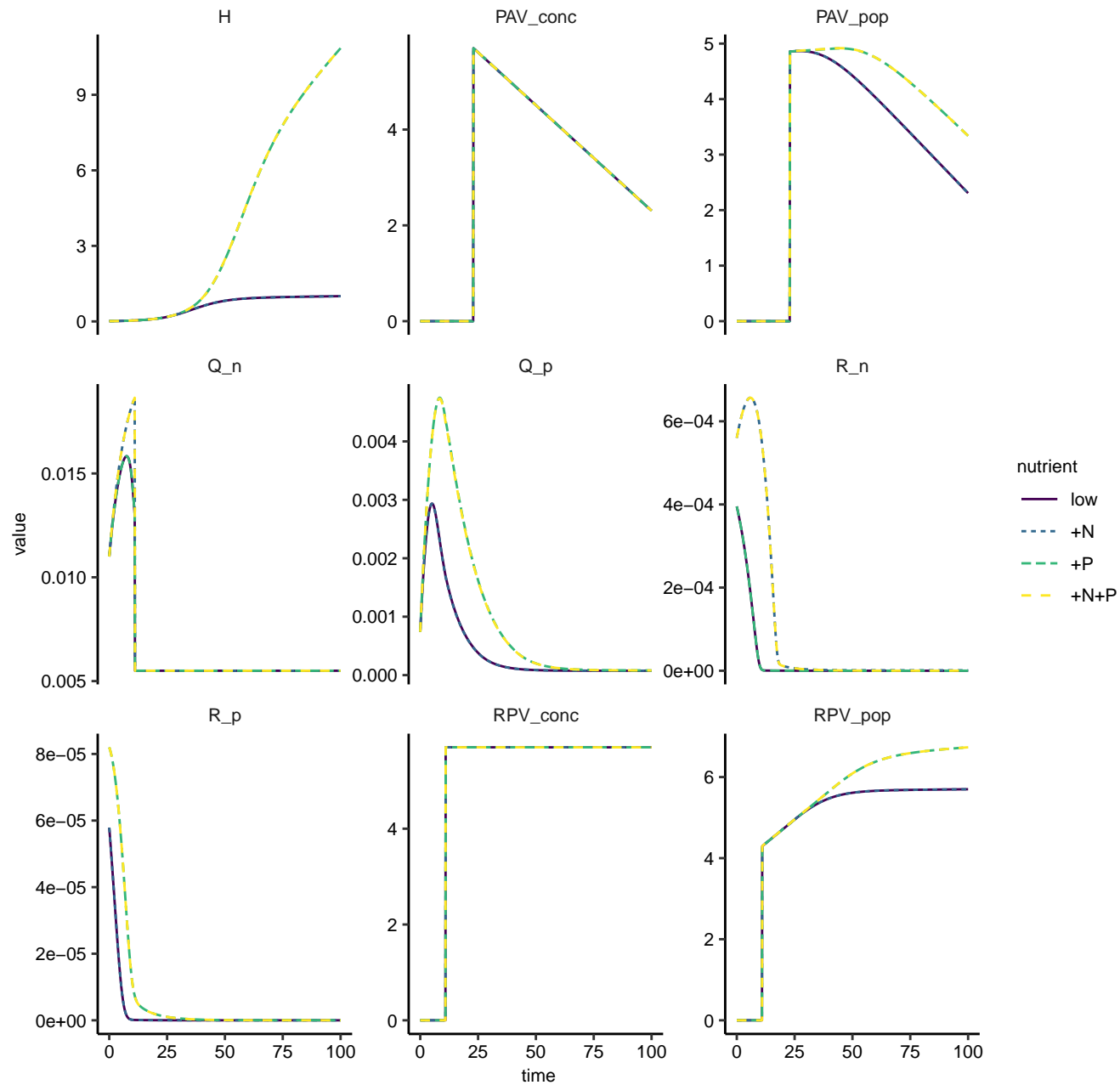
$z_nb = 1e-16$; $z_nc = 1e-04$



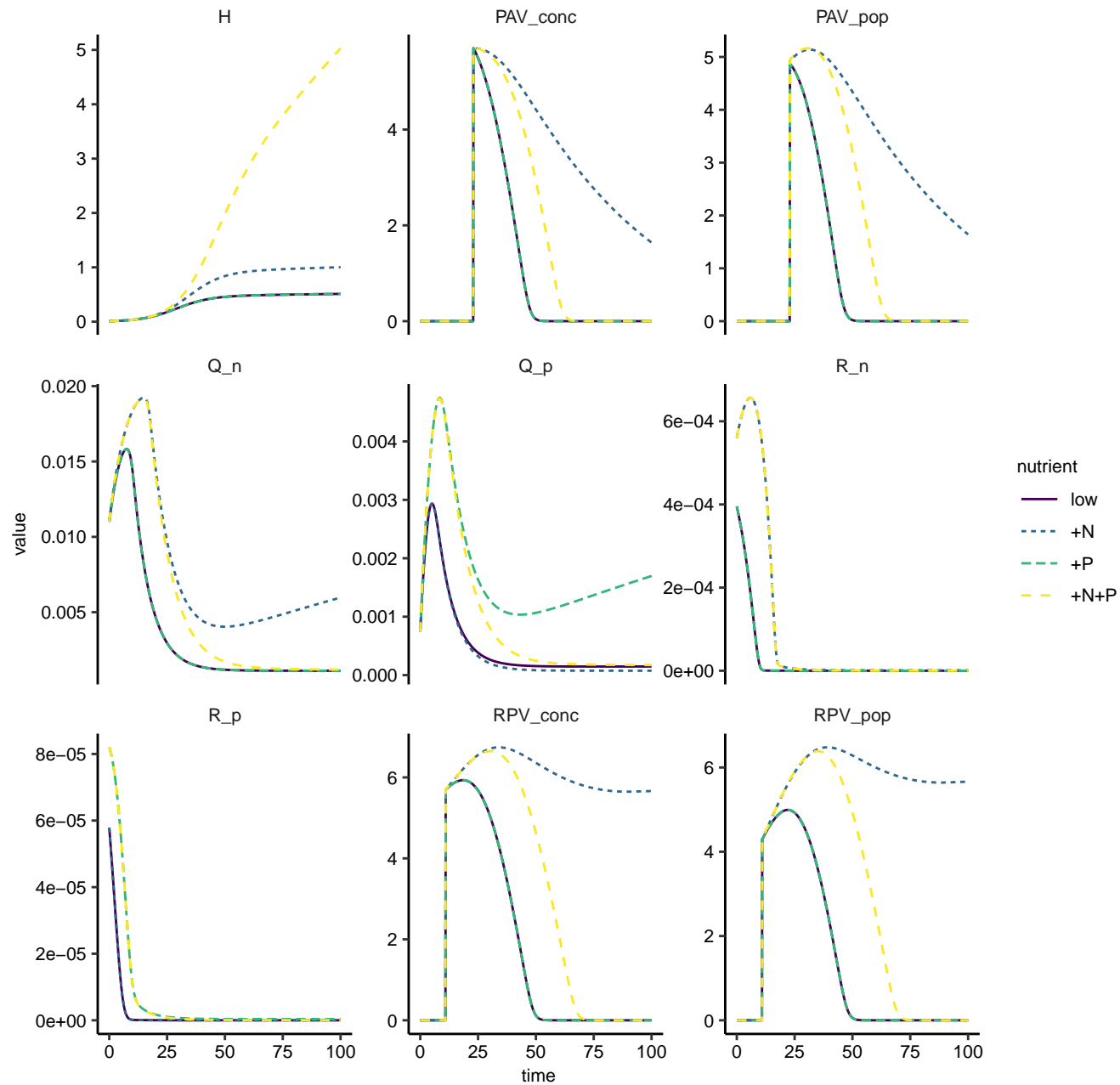
$z_nb = 1e-16$; $z_nc = 0.01$



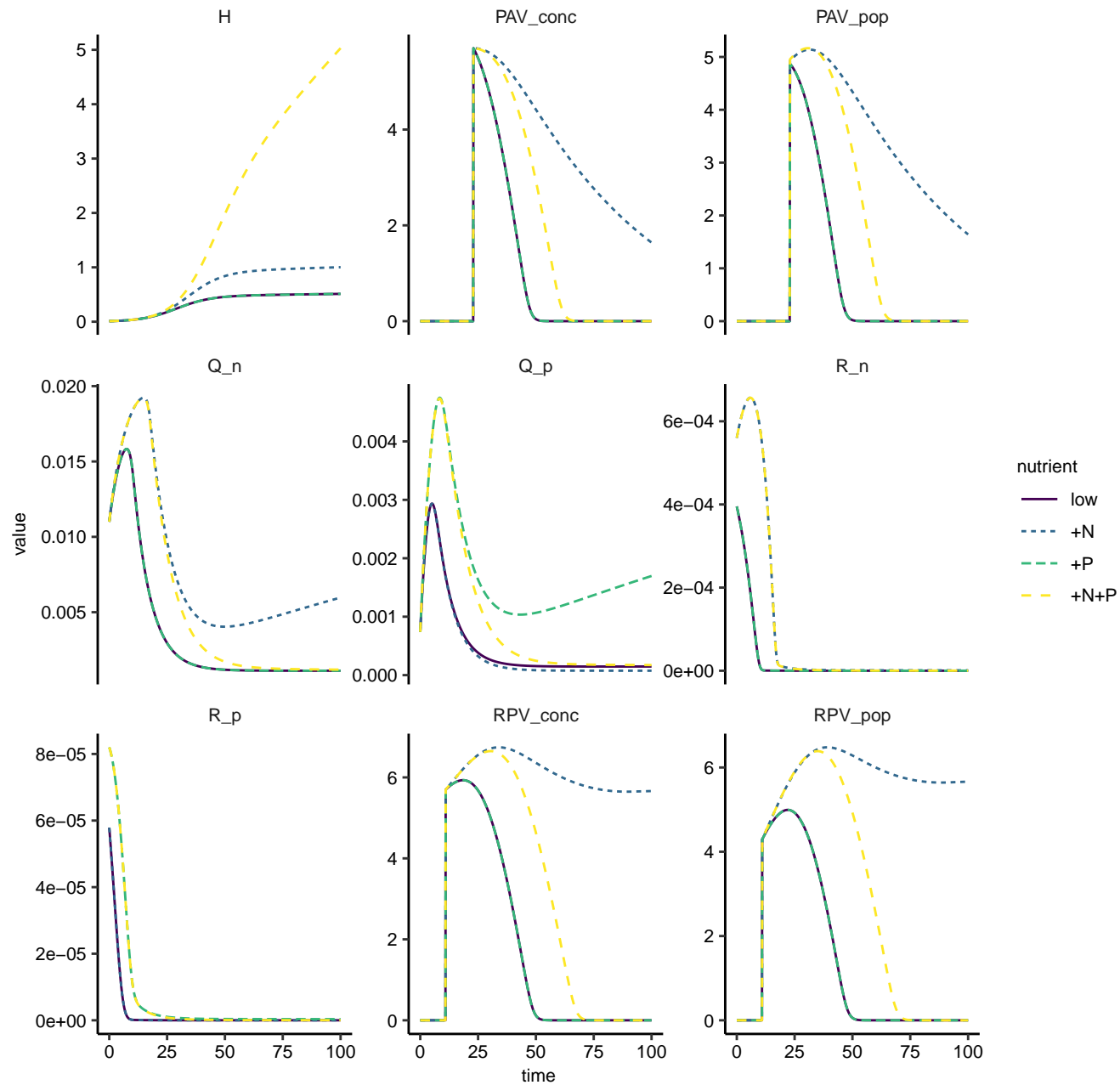
$z_nb = 1e-16$; $z_nc = 1$



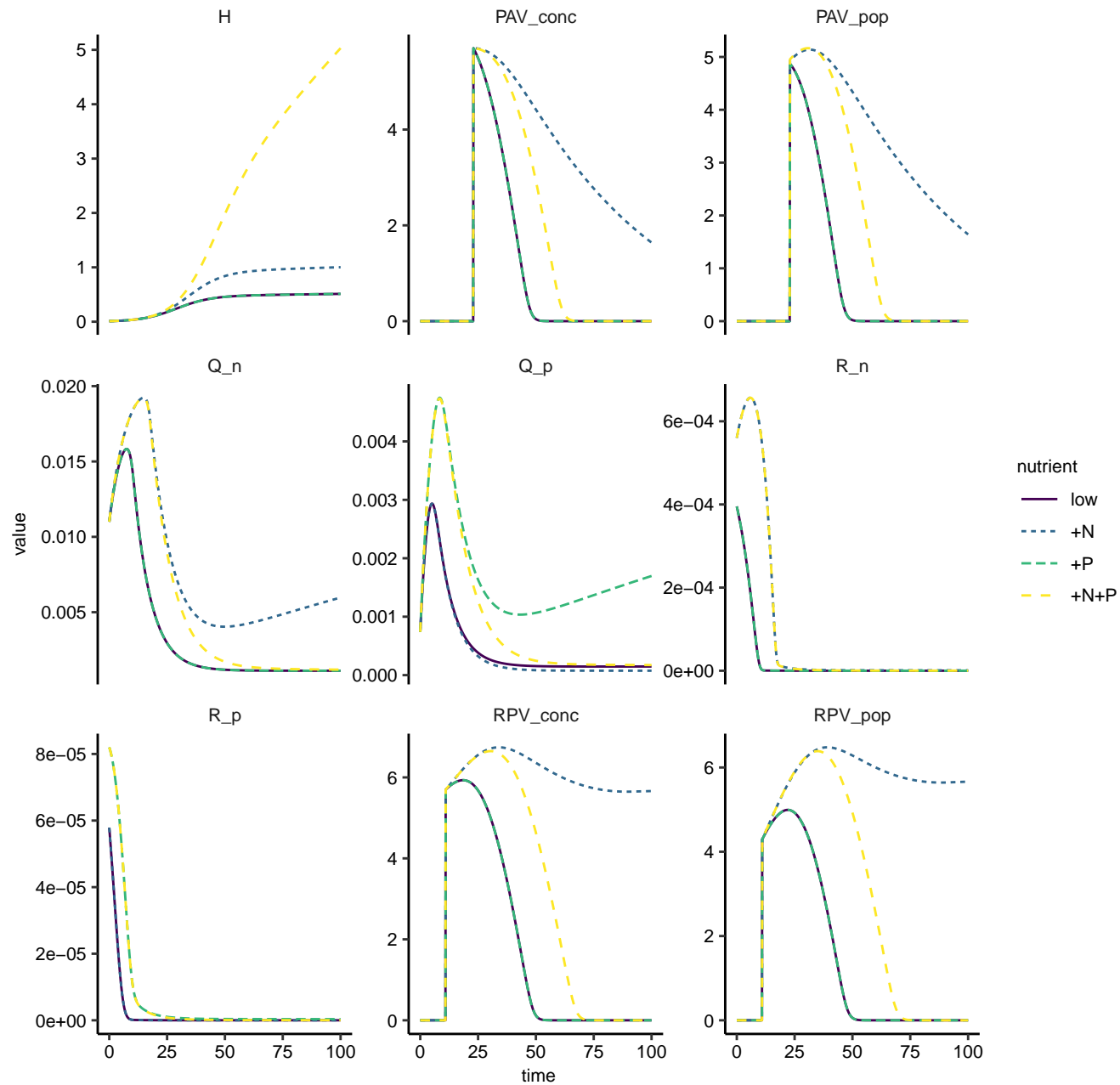
$z_nb = 1e-14$; $z_nc = 1e-18$



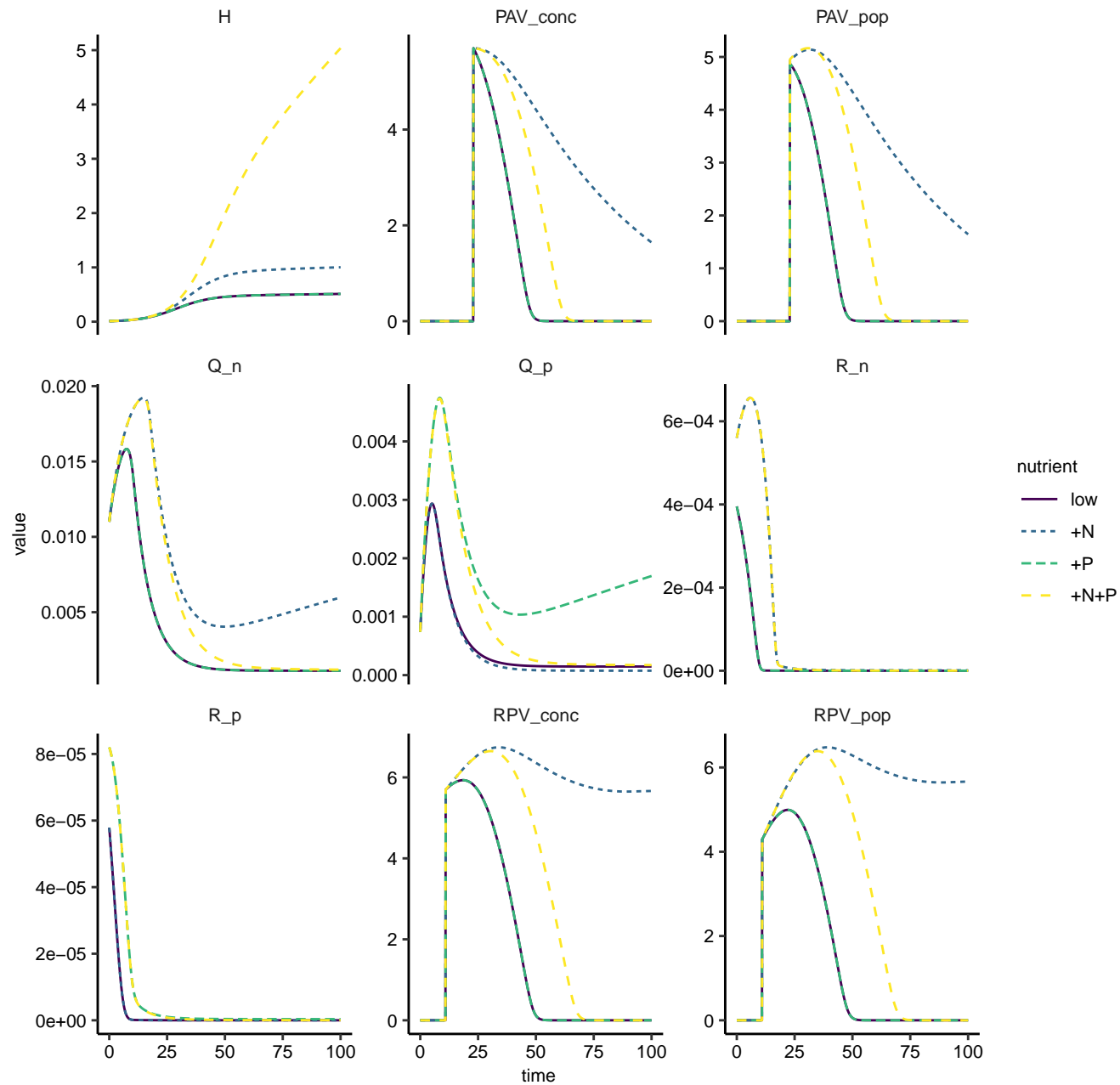
$z_nb = 1e-14$; $z_nc = 1e-16$



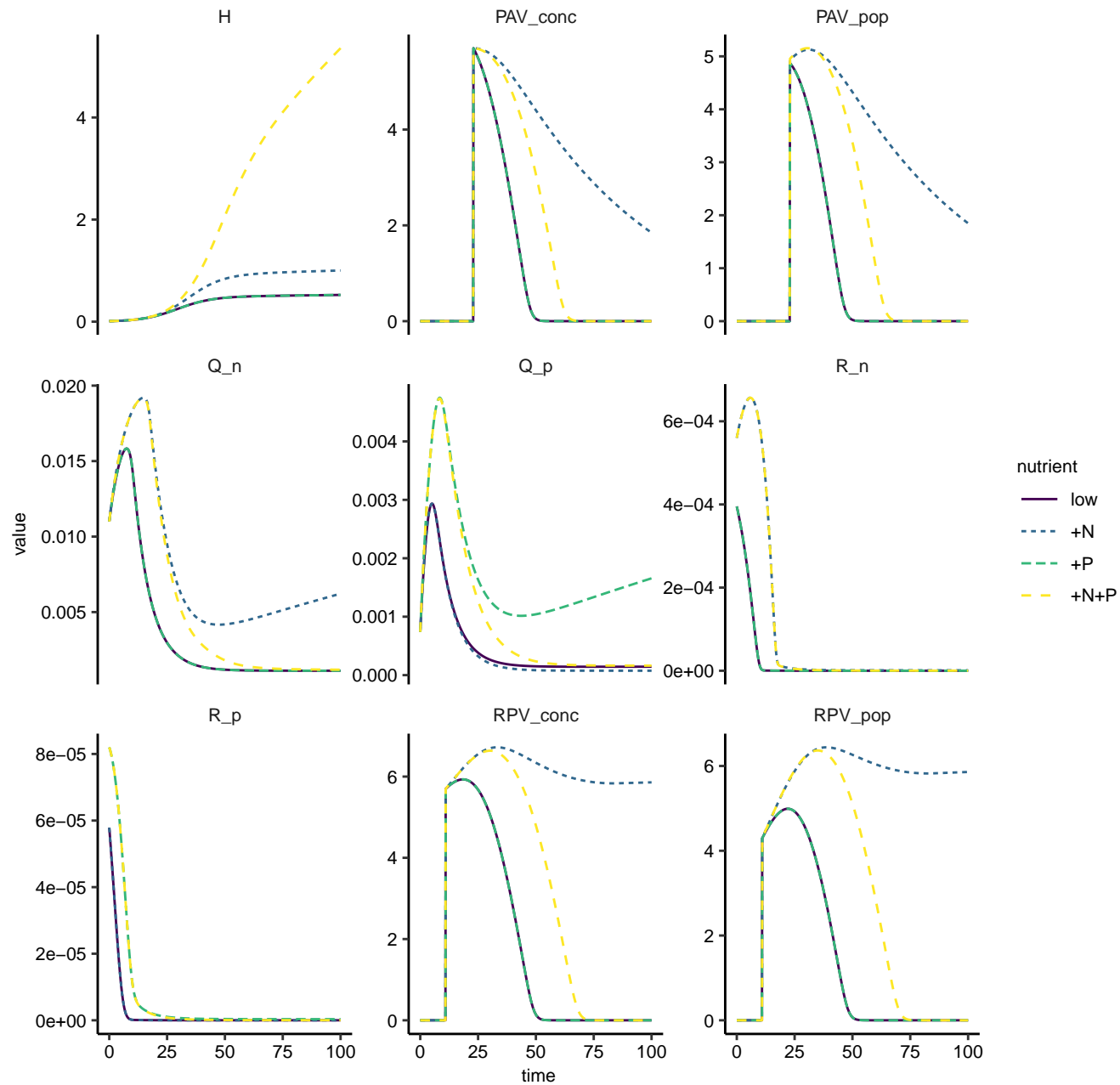
$z_nb = 1e-14$; $z_nc = 1e-14$



$z_nb = 1e-14$; $z_nc = 1e-12$

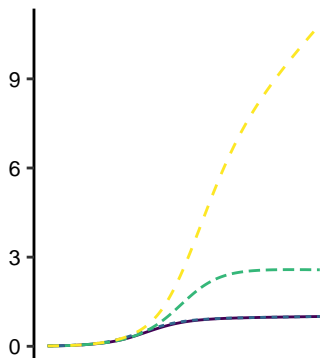


$z_nb = 1e-14$; $z_nc = 1e-10$

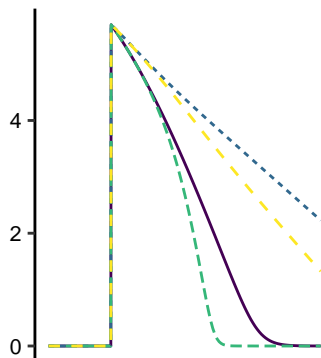


$z_nb = 1e-14$; $z_nc = 1e-08$

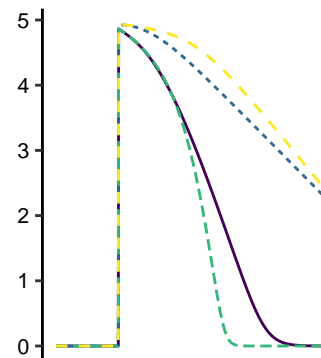
H



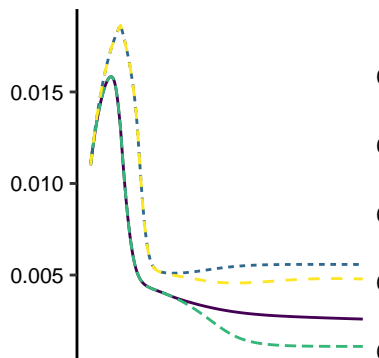
PAV_conc



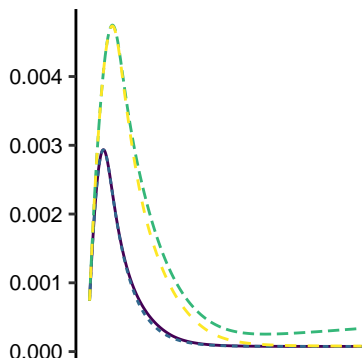
PAV_pop



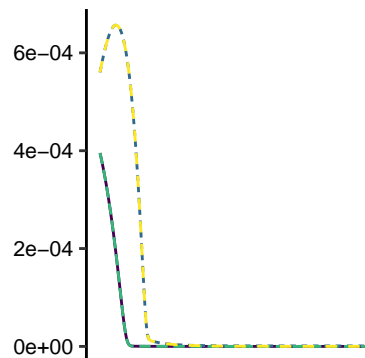
Q_n



Q_p



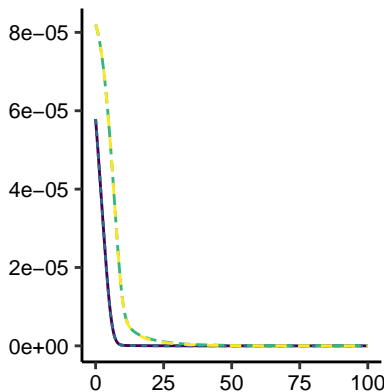
R_n



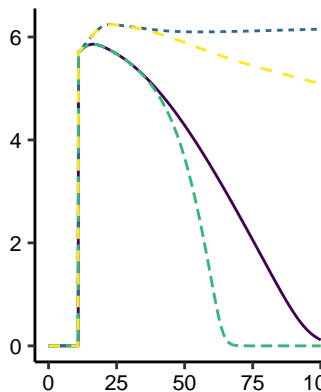
nutrient

low
+N
+P
+N+P

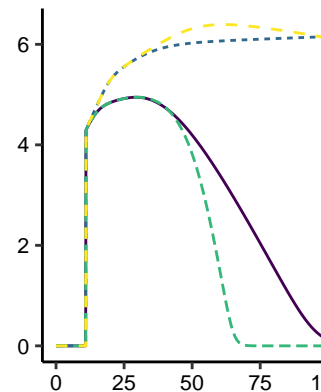
R_p



RPV_conc

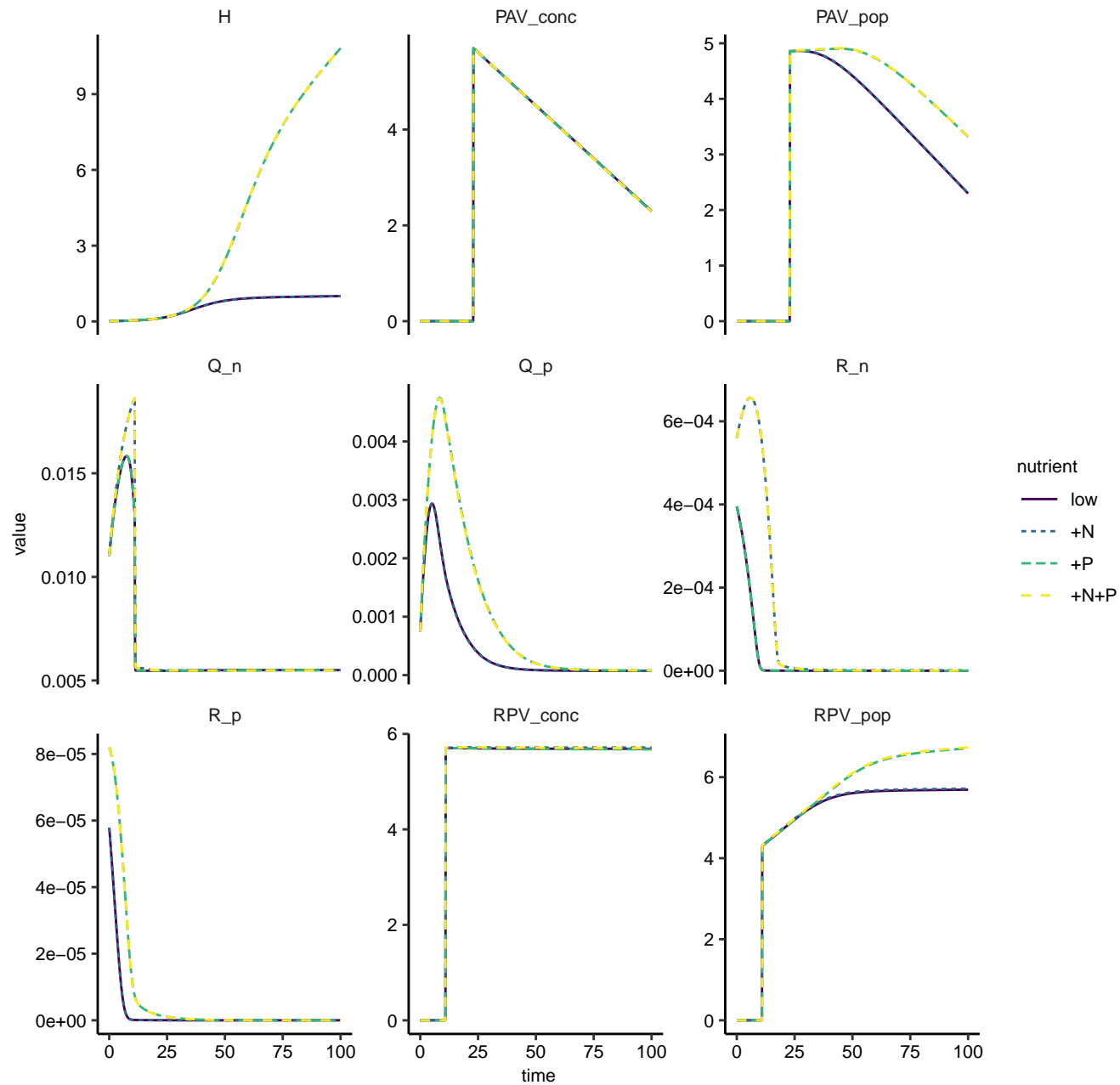


RPV_pop

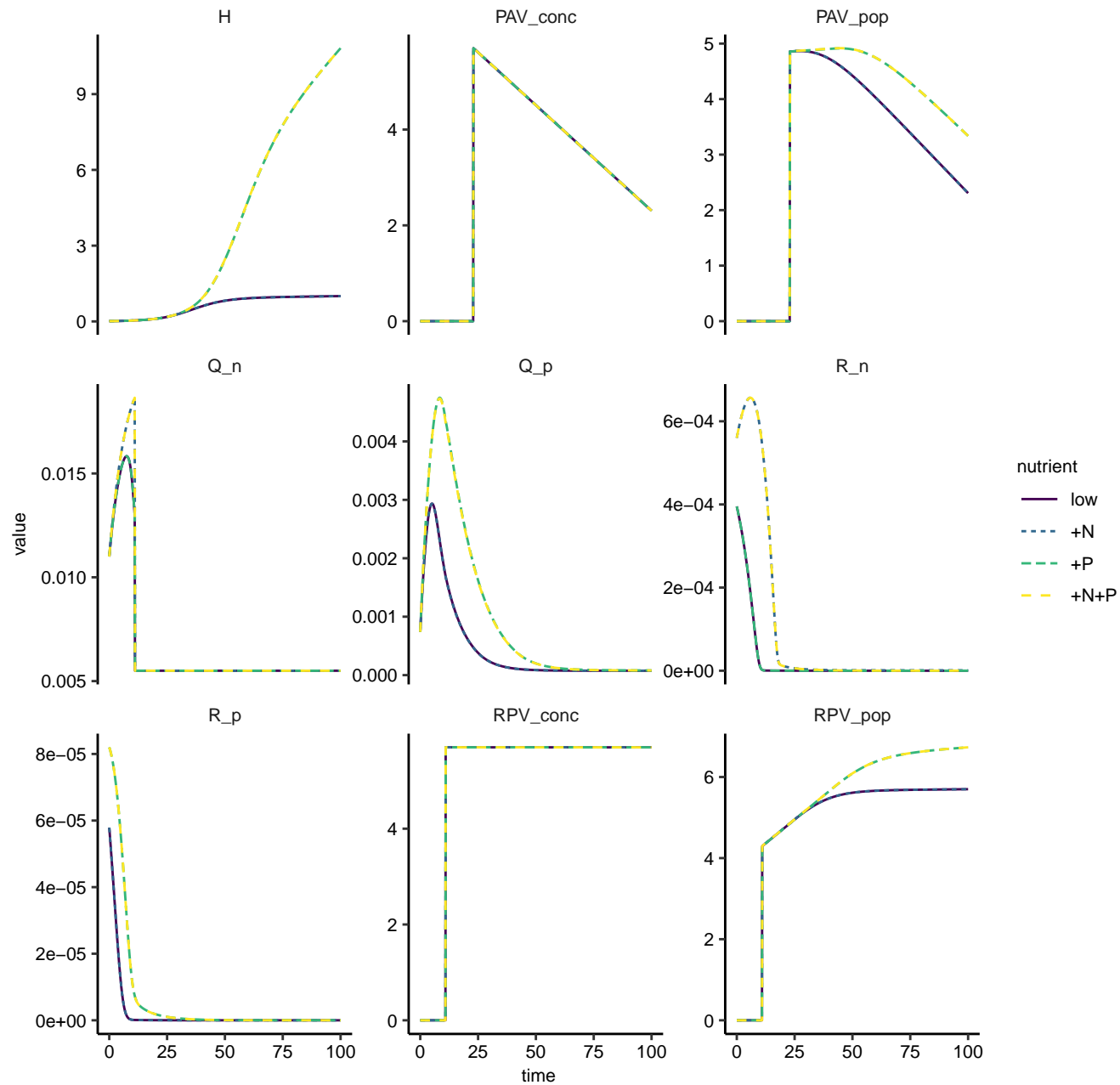


time

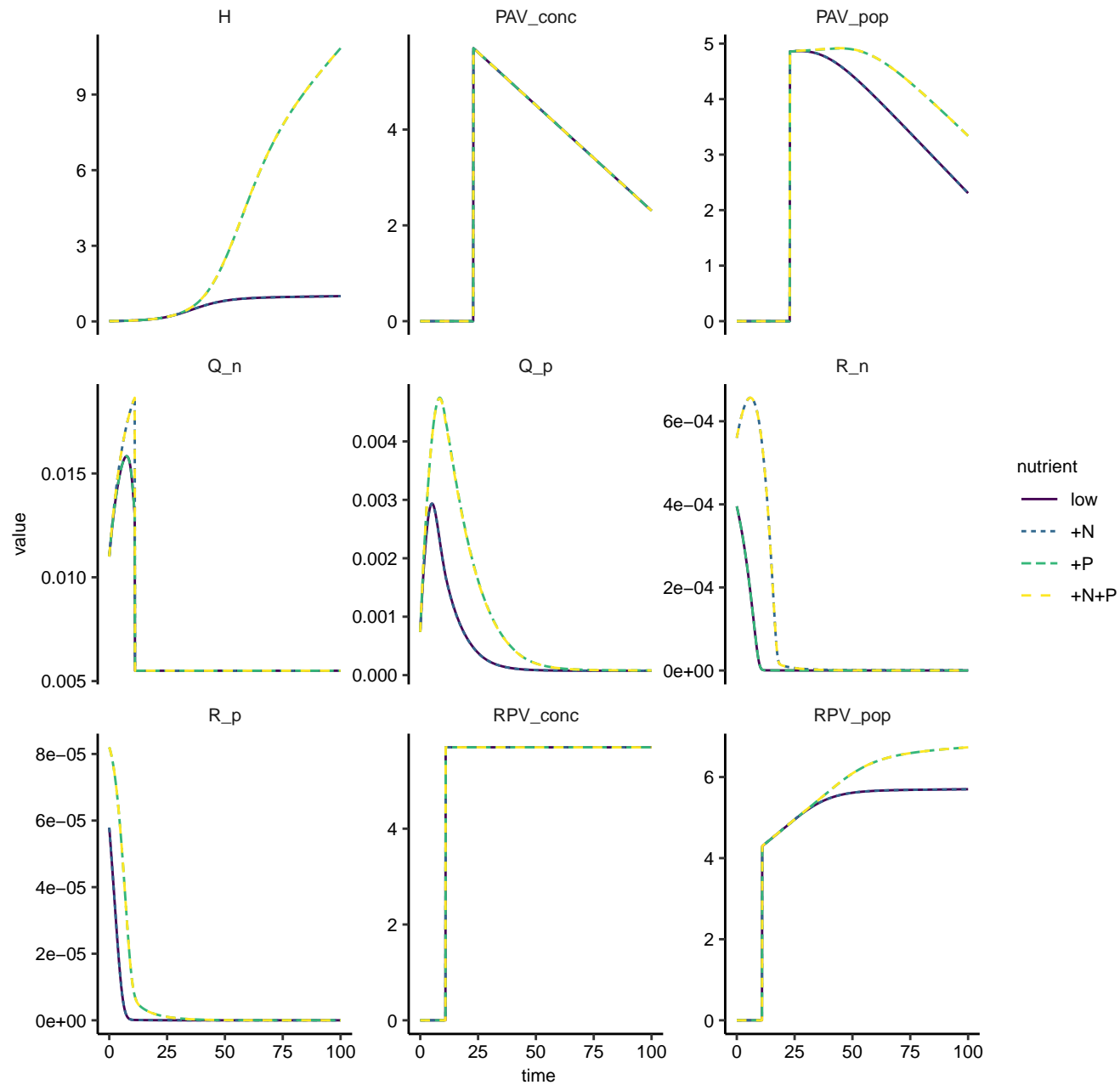
$z_nb = 1e-14$; $z_nc = 1e-06$



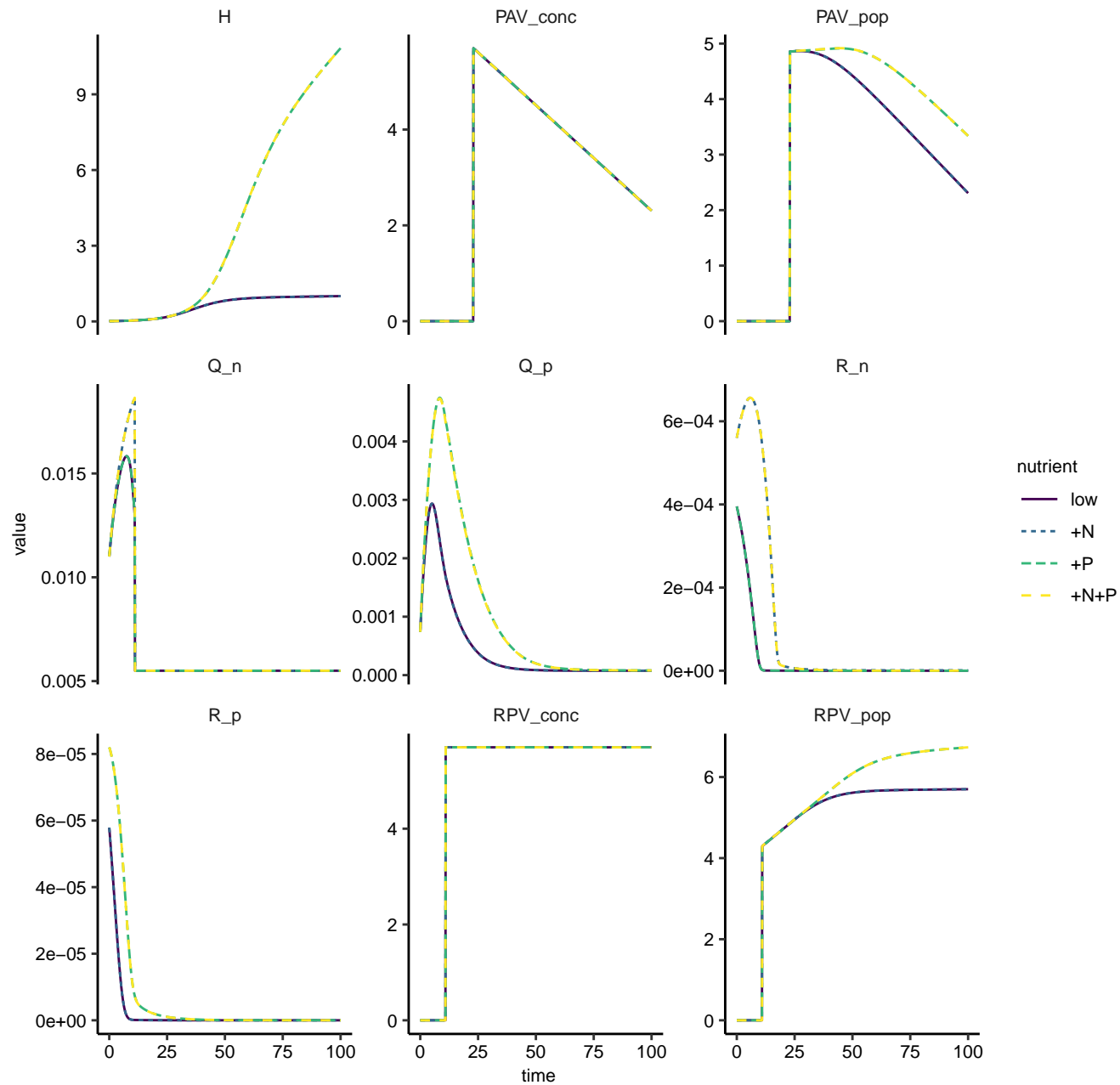
$z_nb = 1e-14$; $z_nc = 1e-04$



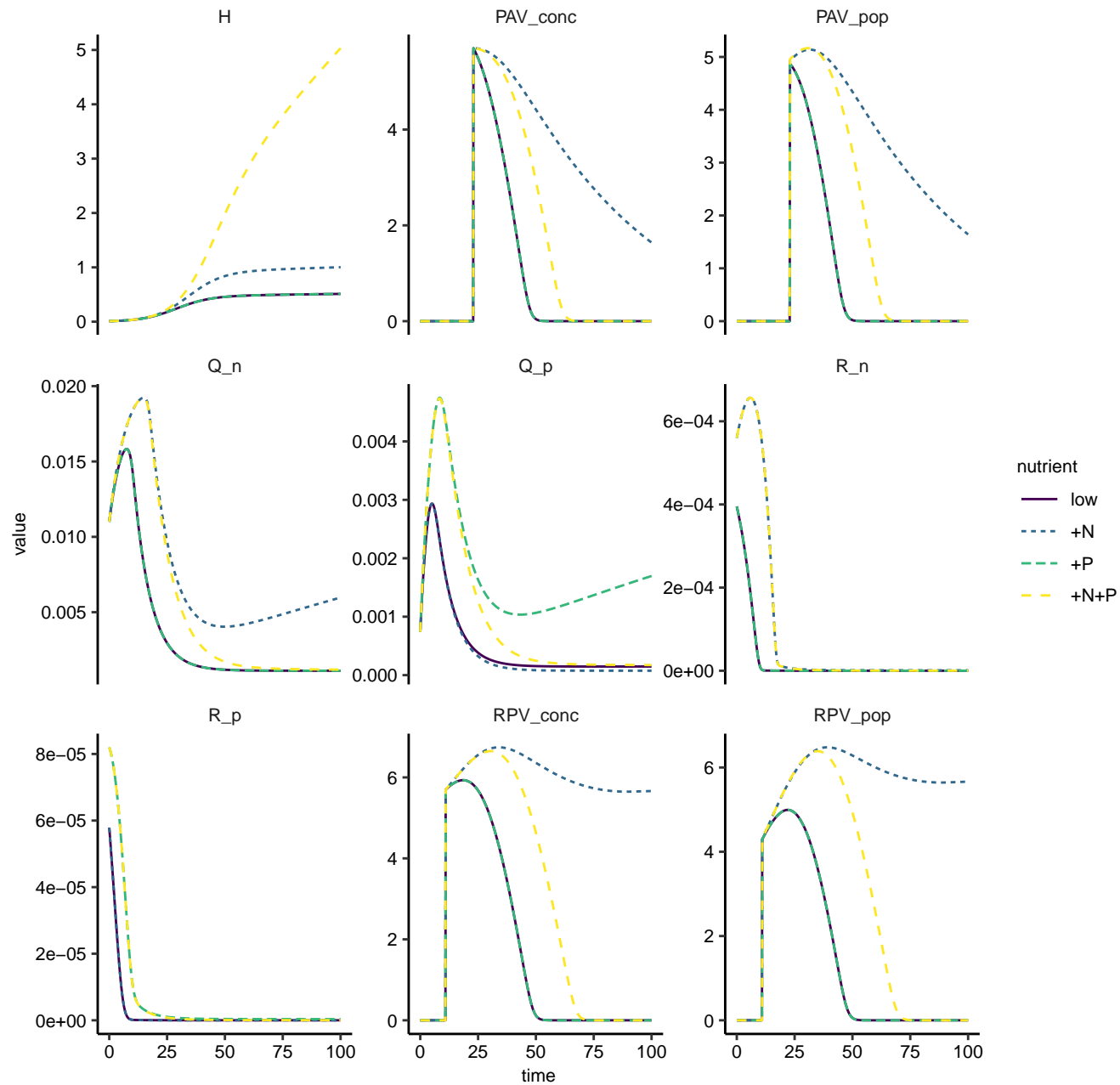
$z_nb = 1e-14$; $z_nc = 0.01$



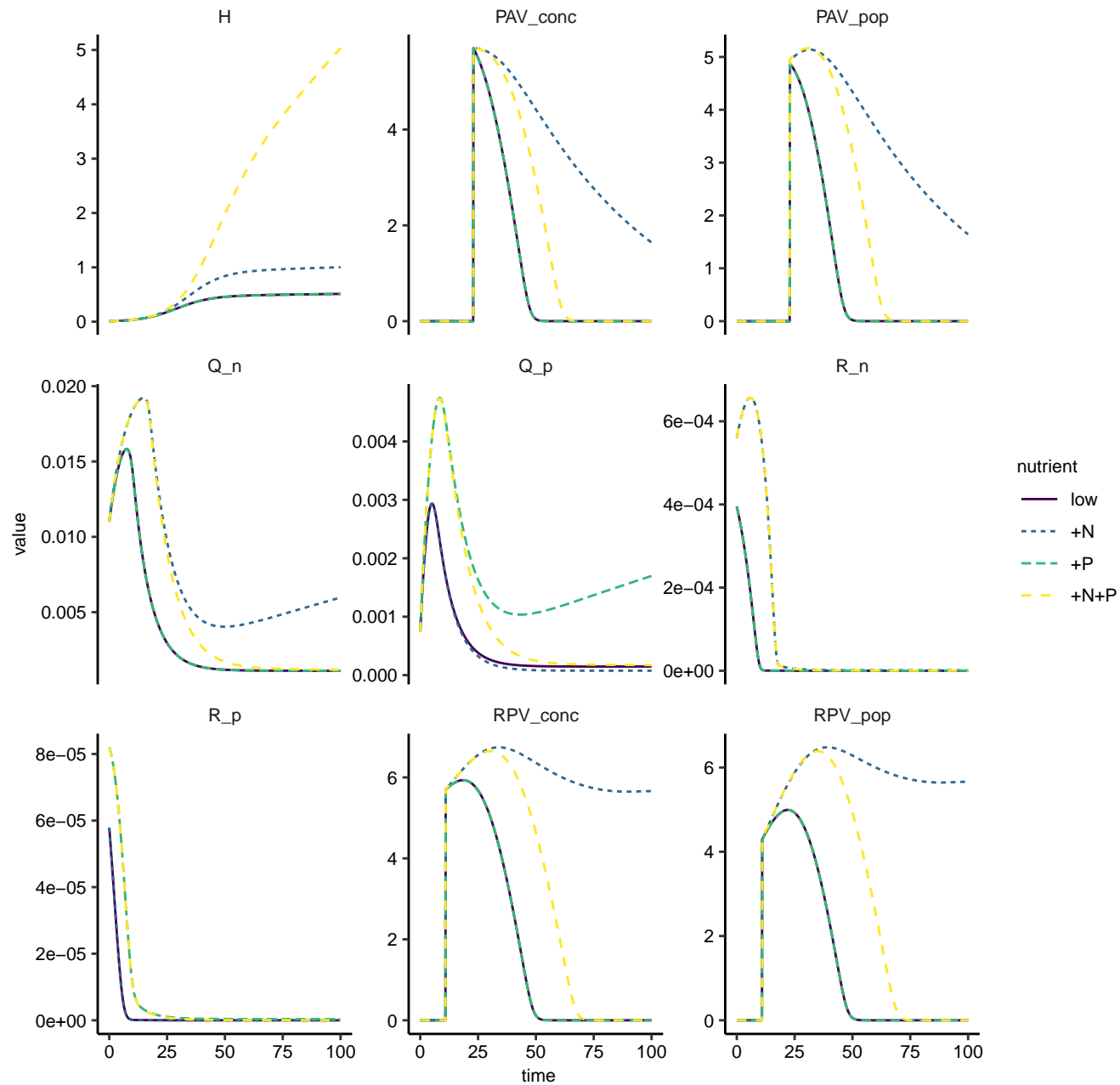
$z_nb = 1e-14$; $z_nc = 1$



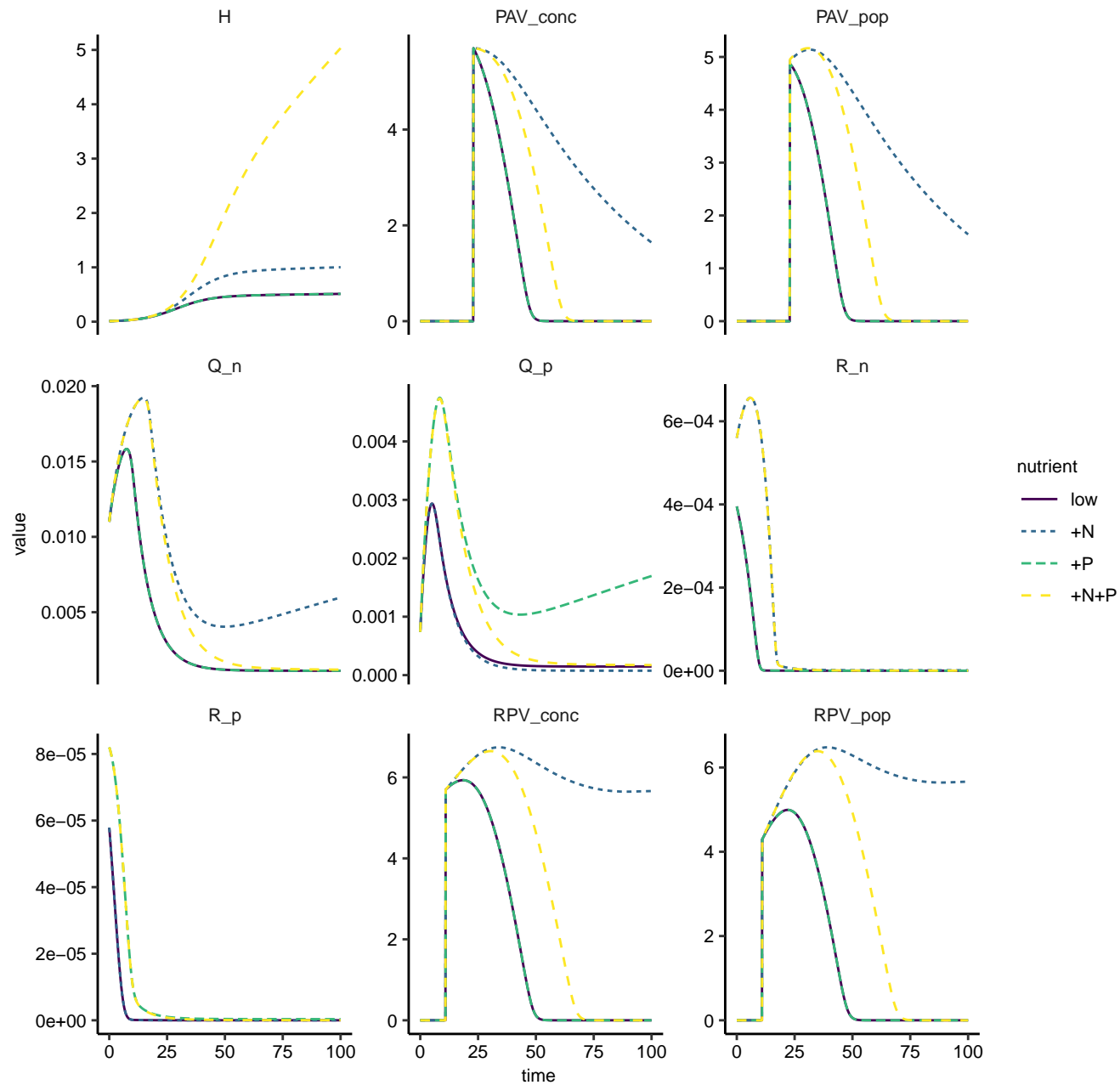
$z_nb = 1e-12$; $z_nc = 1e-18$



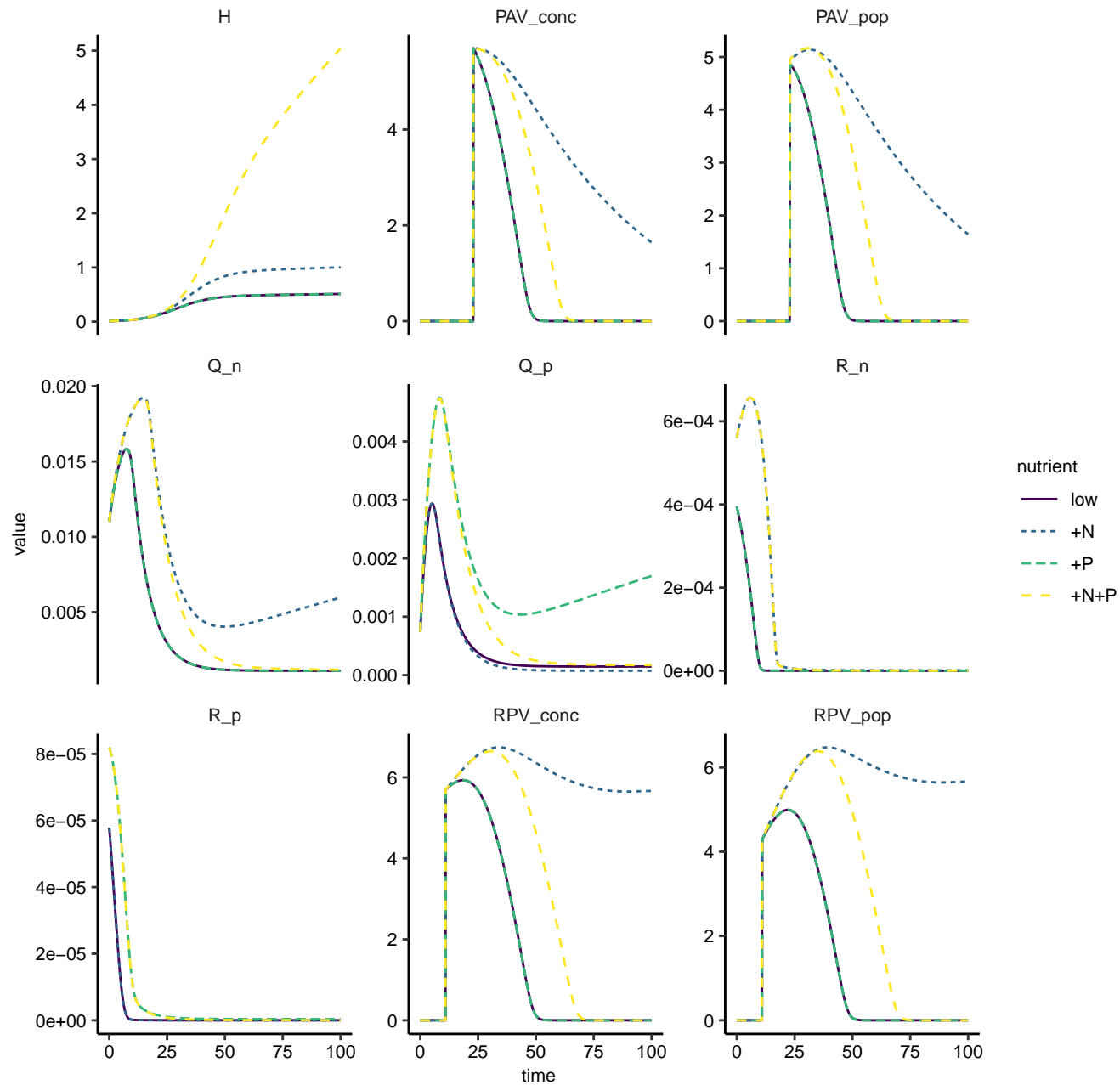
$z_nb = 1e-12$; $z_nc = 1e-16$



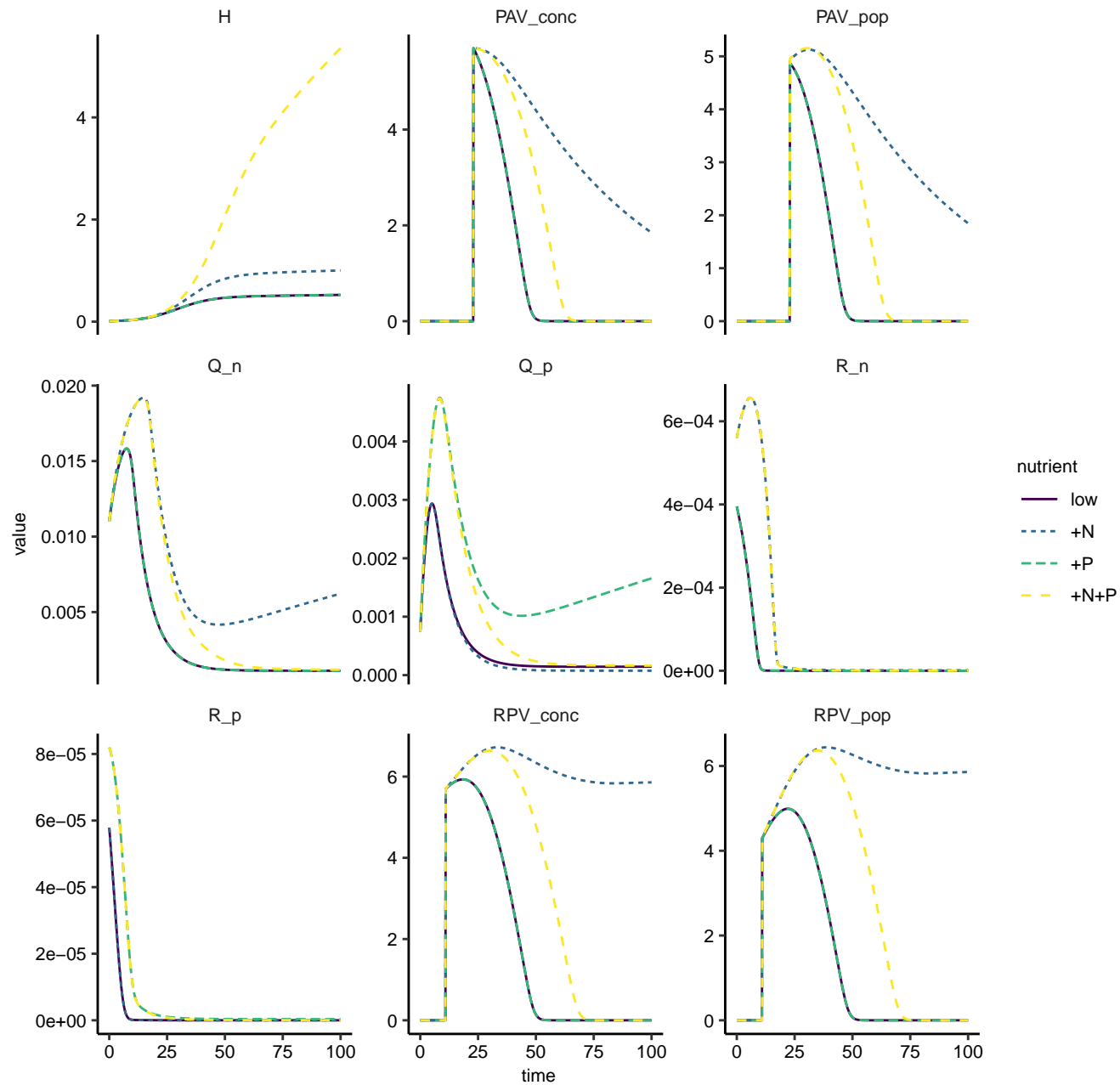
$z_nb = 1e-12$; $z_nc = 1e-14$



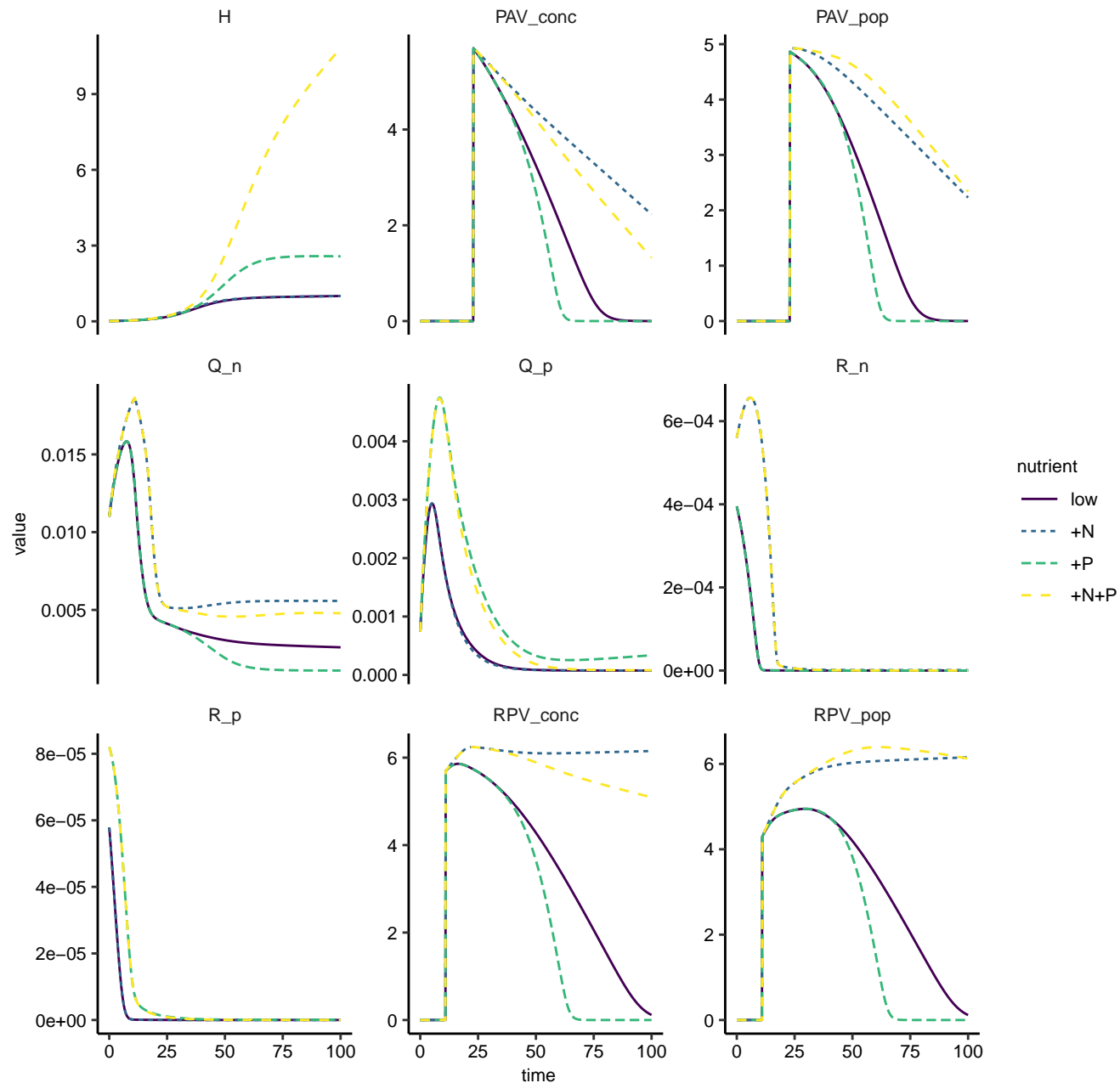
$z_nb = 1e-12$; $z_nc = 1e-12$



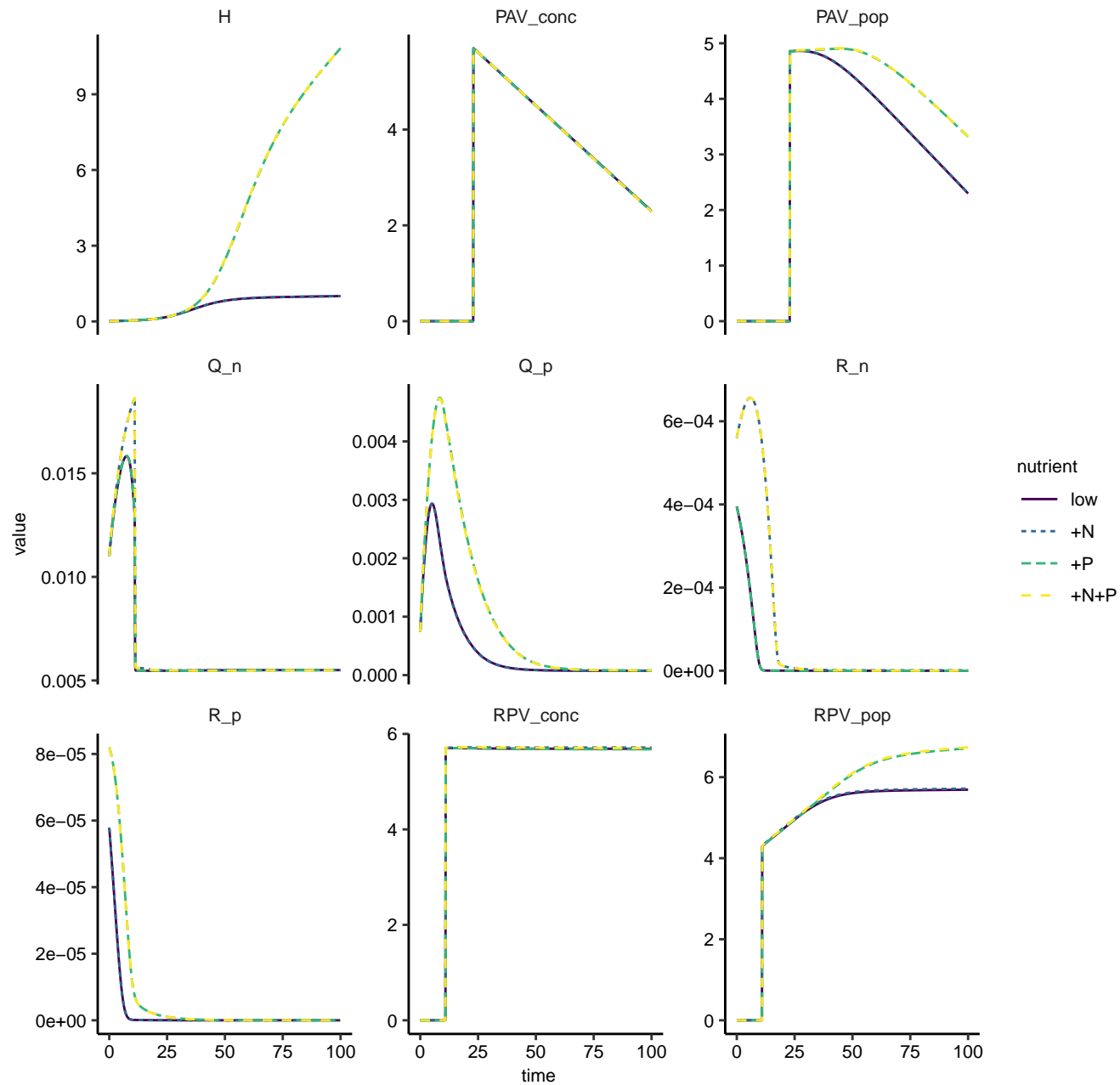
$z_nb = 1e-12$; $z_nc = 1e-10$



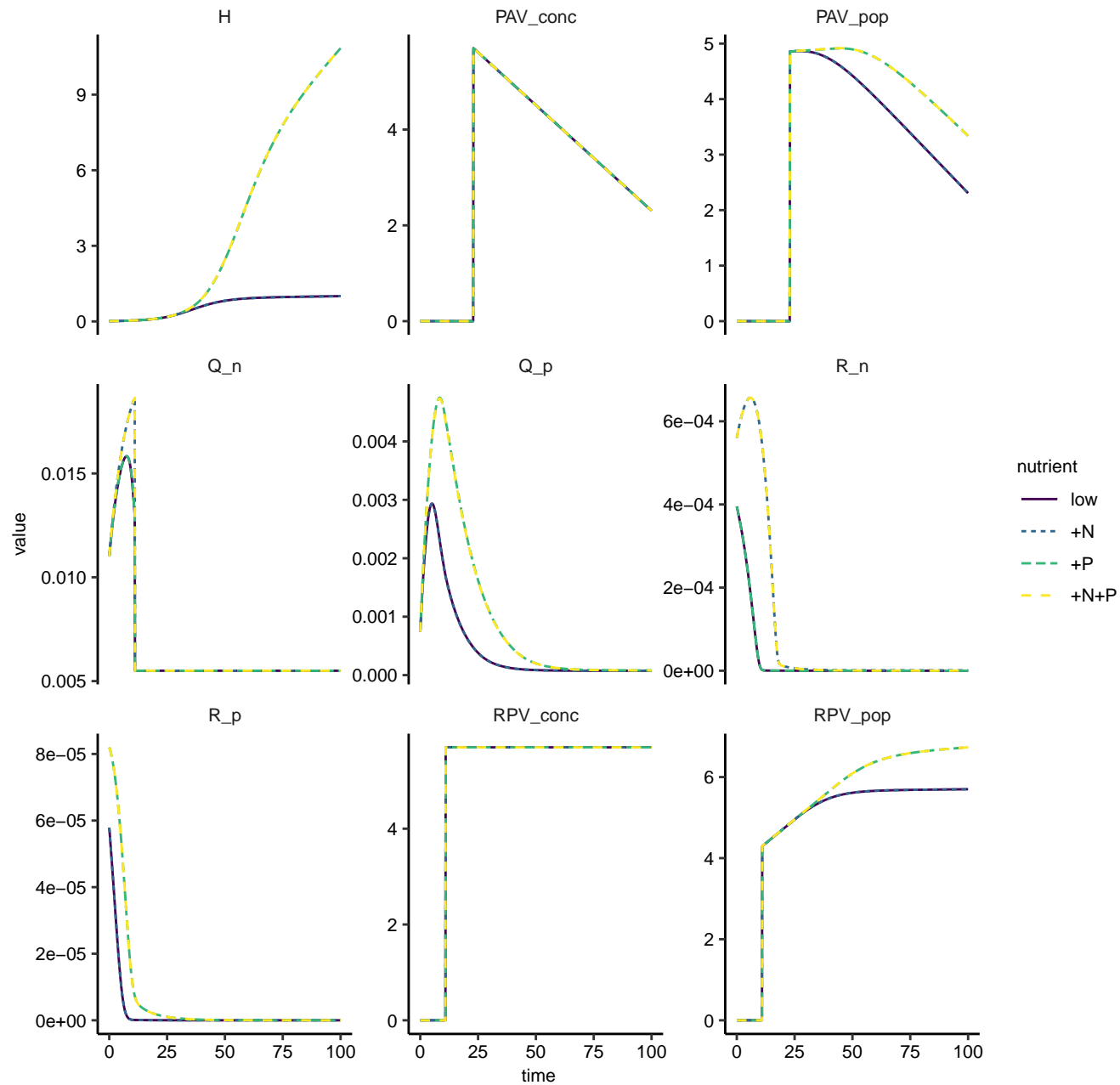
$z_nb = 1e-12$; $z_nc = 1e-08$



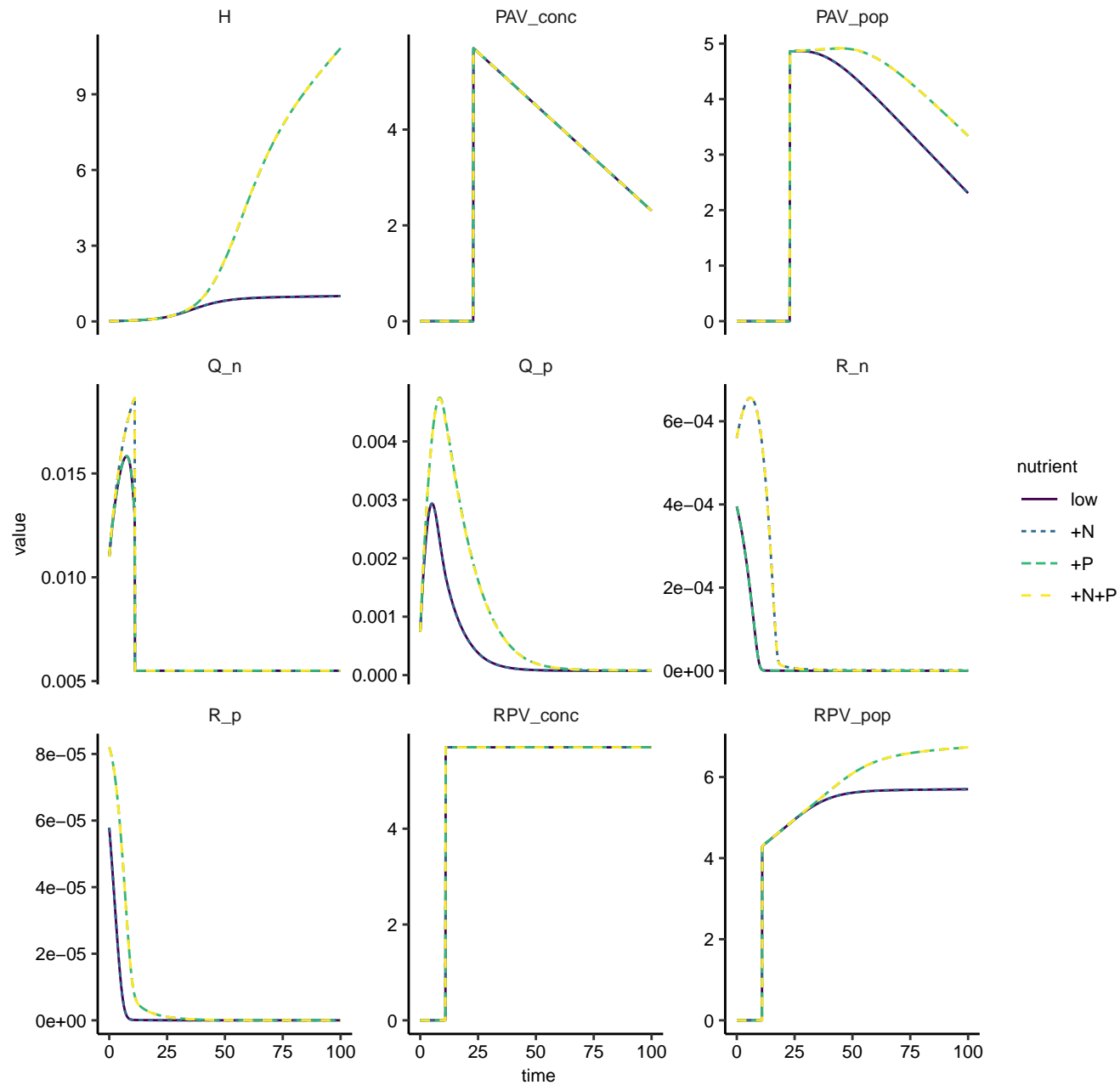
$z_nb = 1e-12$; $z_nc = 1e-06$



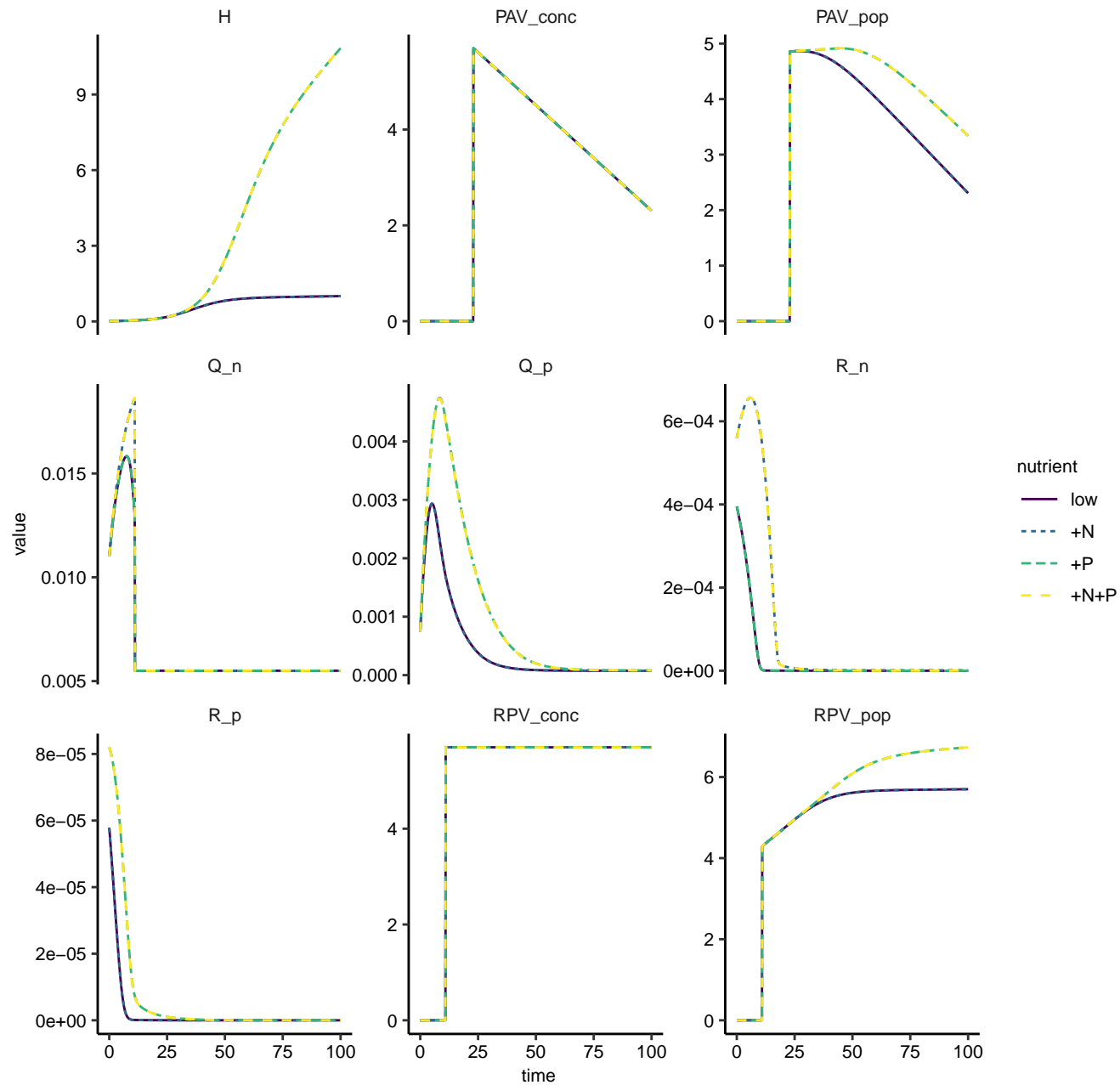
$z_nb = 1e-12$; $z_nc = 1e-04$



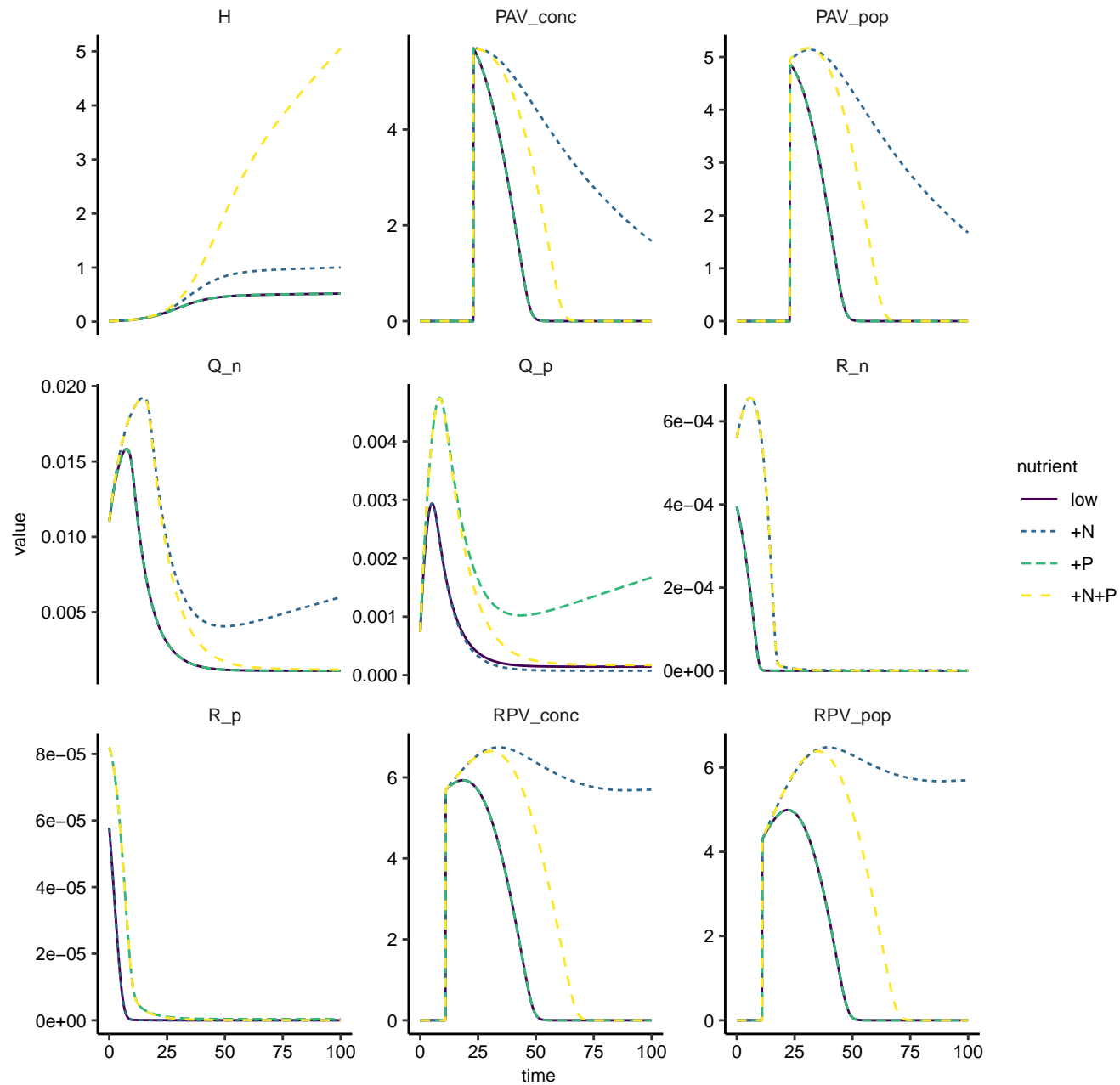
$z_nb = 1e-12$; $z_nc = 0.01$



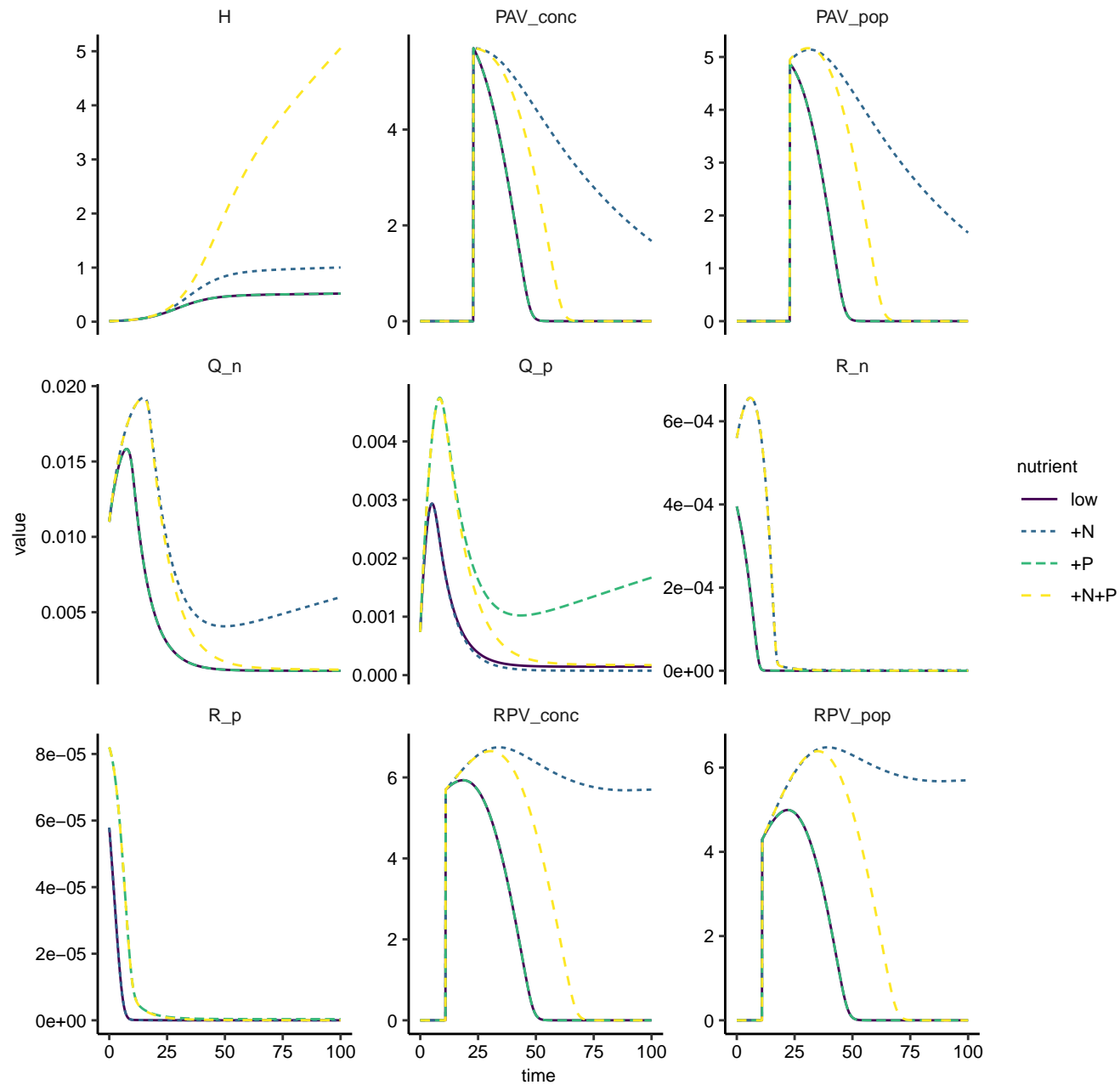
$z_nb = 1e-12$; $z_nc = 1$



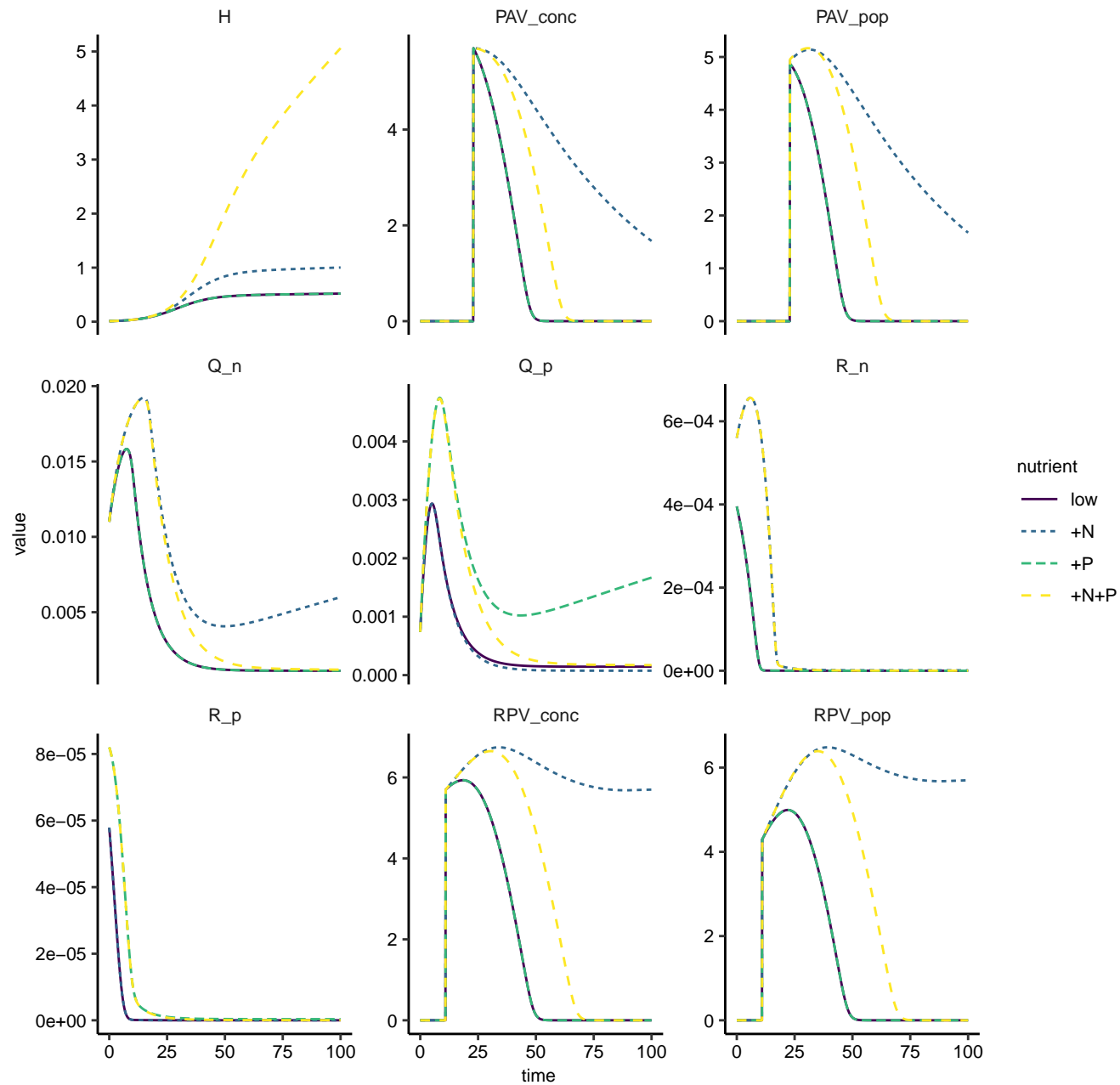
$z_nb = 1e-10$; $z_nc = 1e-18$



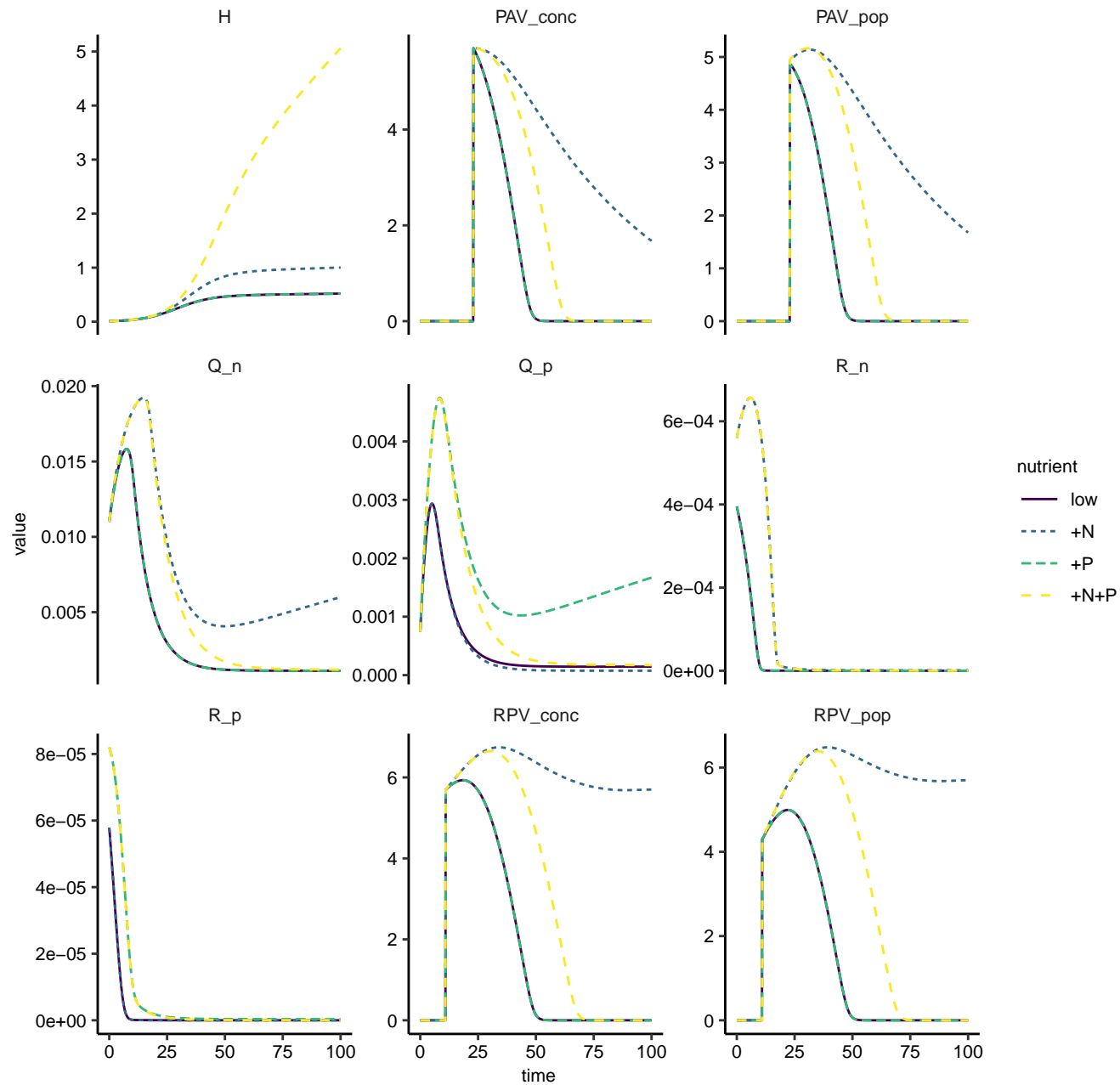
$z_nb = 1e-10$; $z_nc = 1e-16$



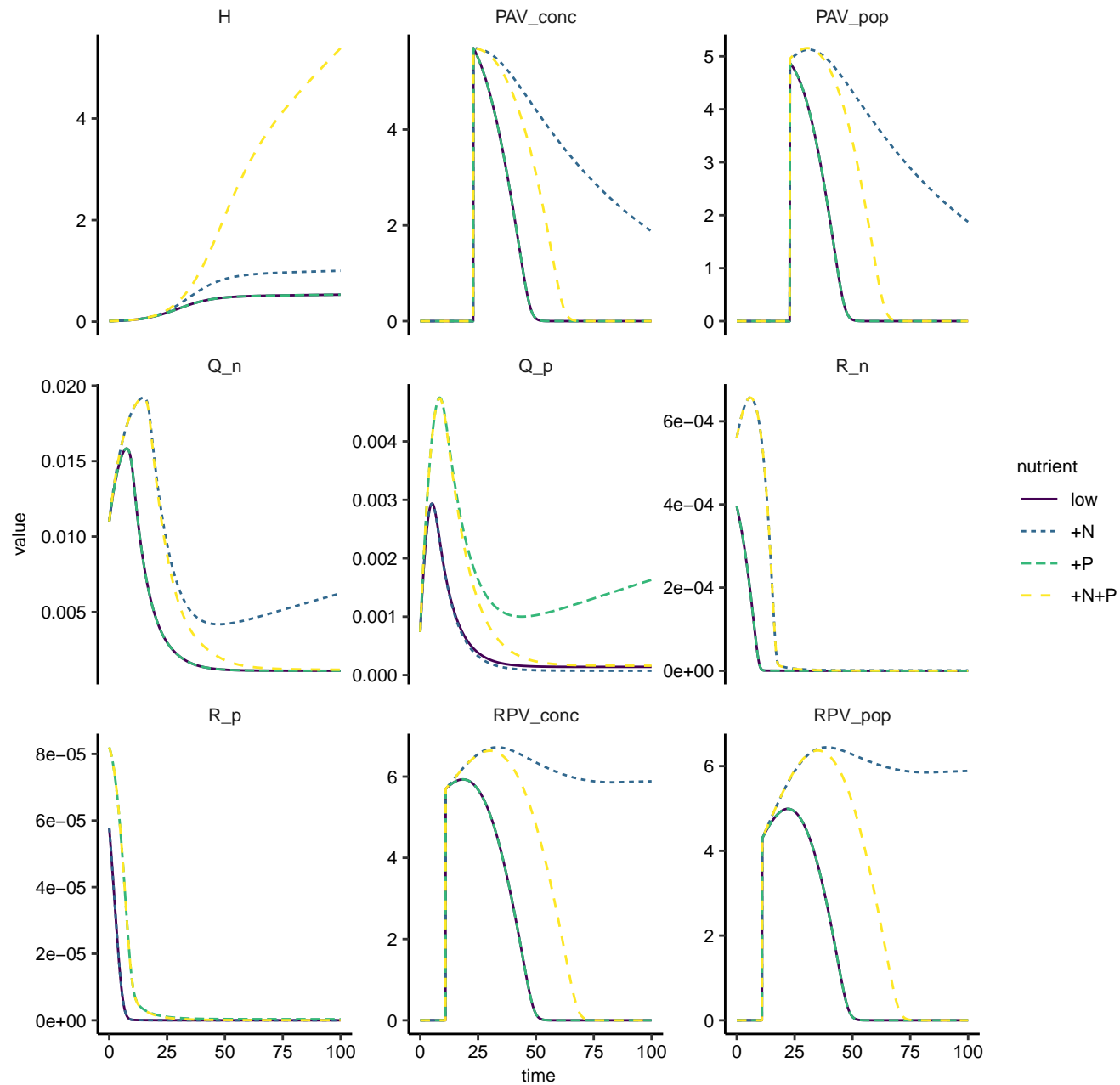
$z_nb = 1e-10$; $z_nc = 1e-14$



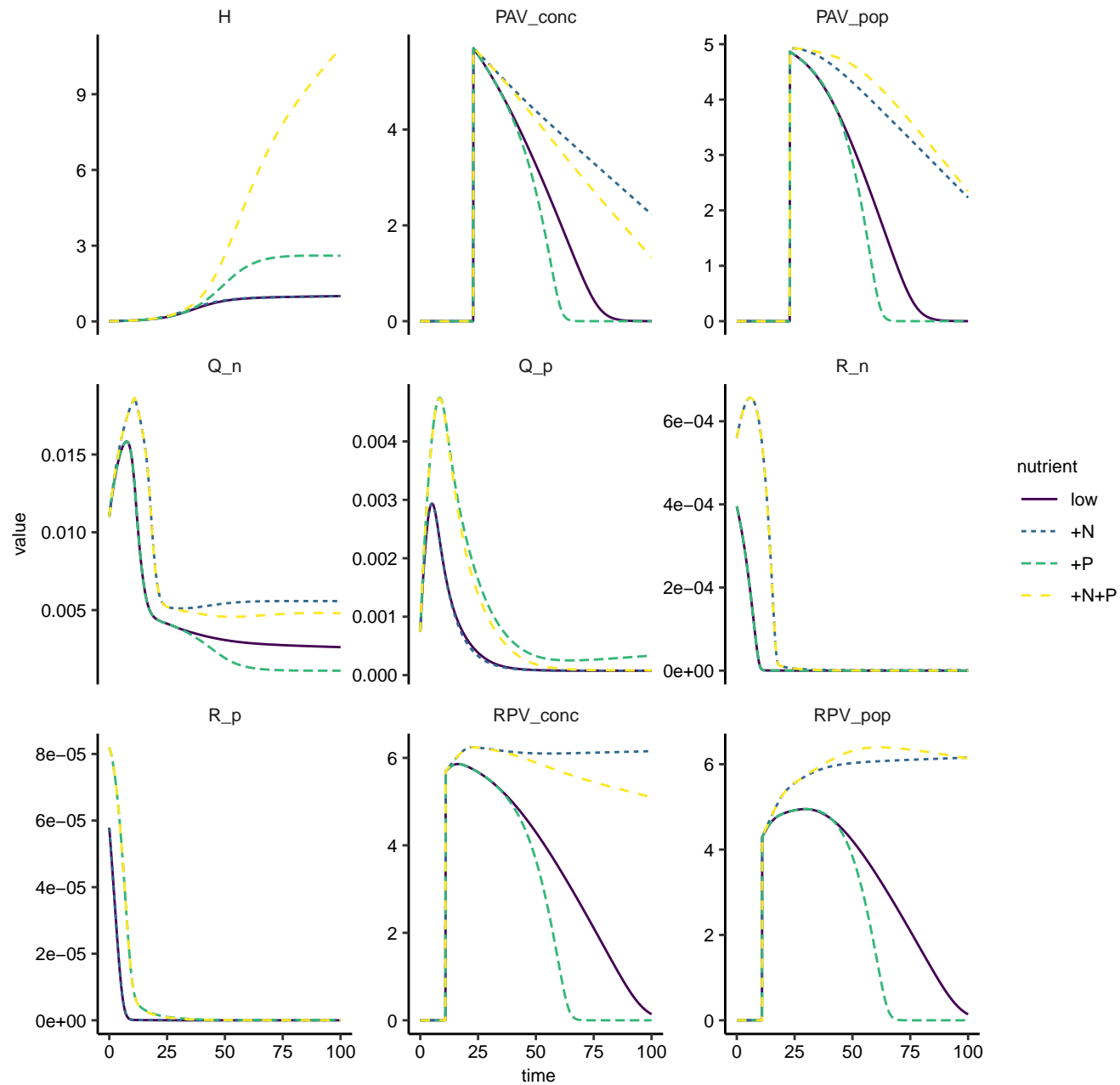
$z_nb = 1e-10$; $z_nc = 1e-12$



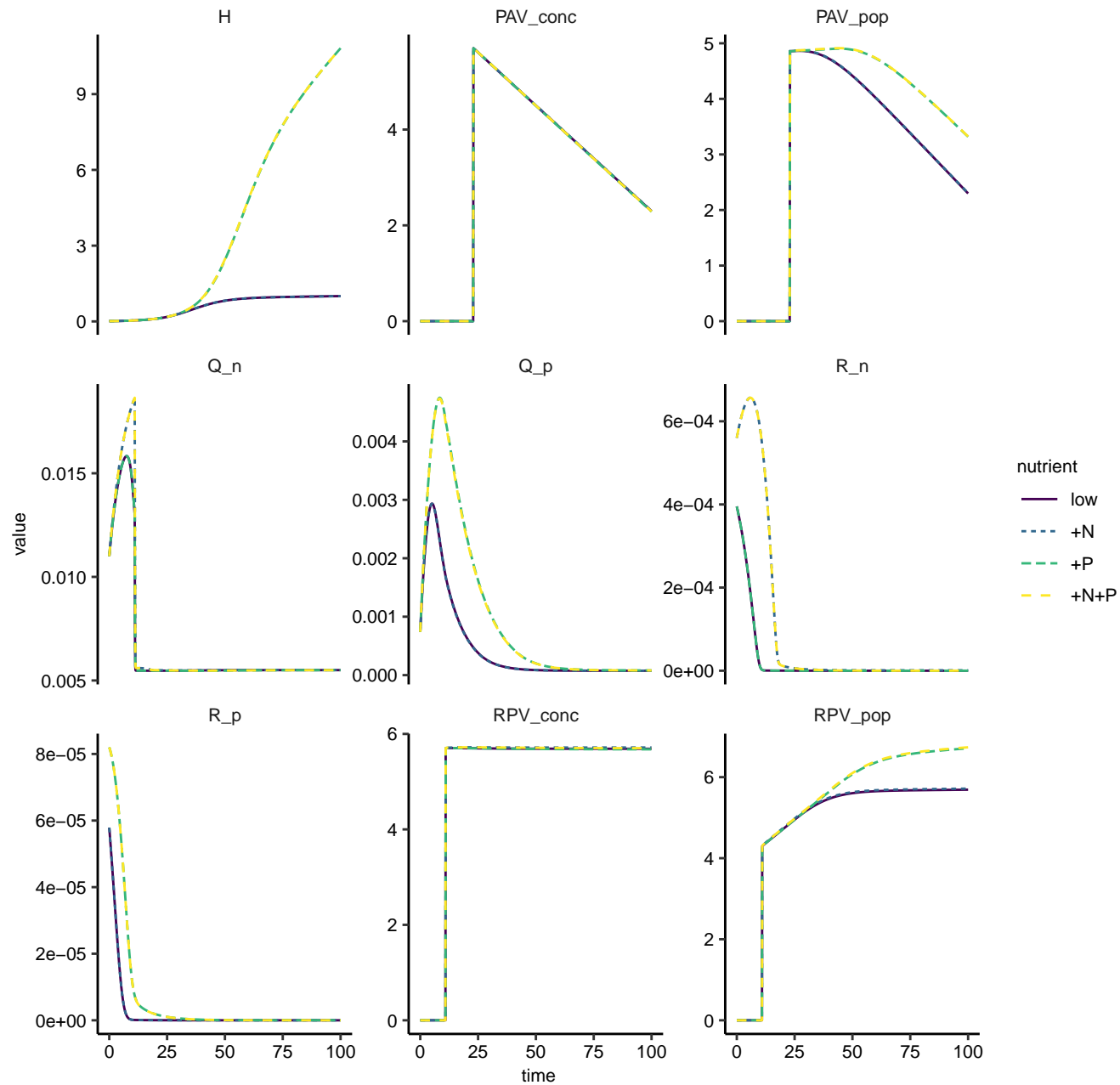
$z_nb = 1e-10$; $z_nc = 1e-10$



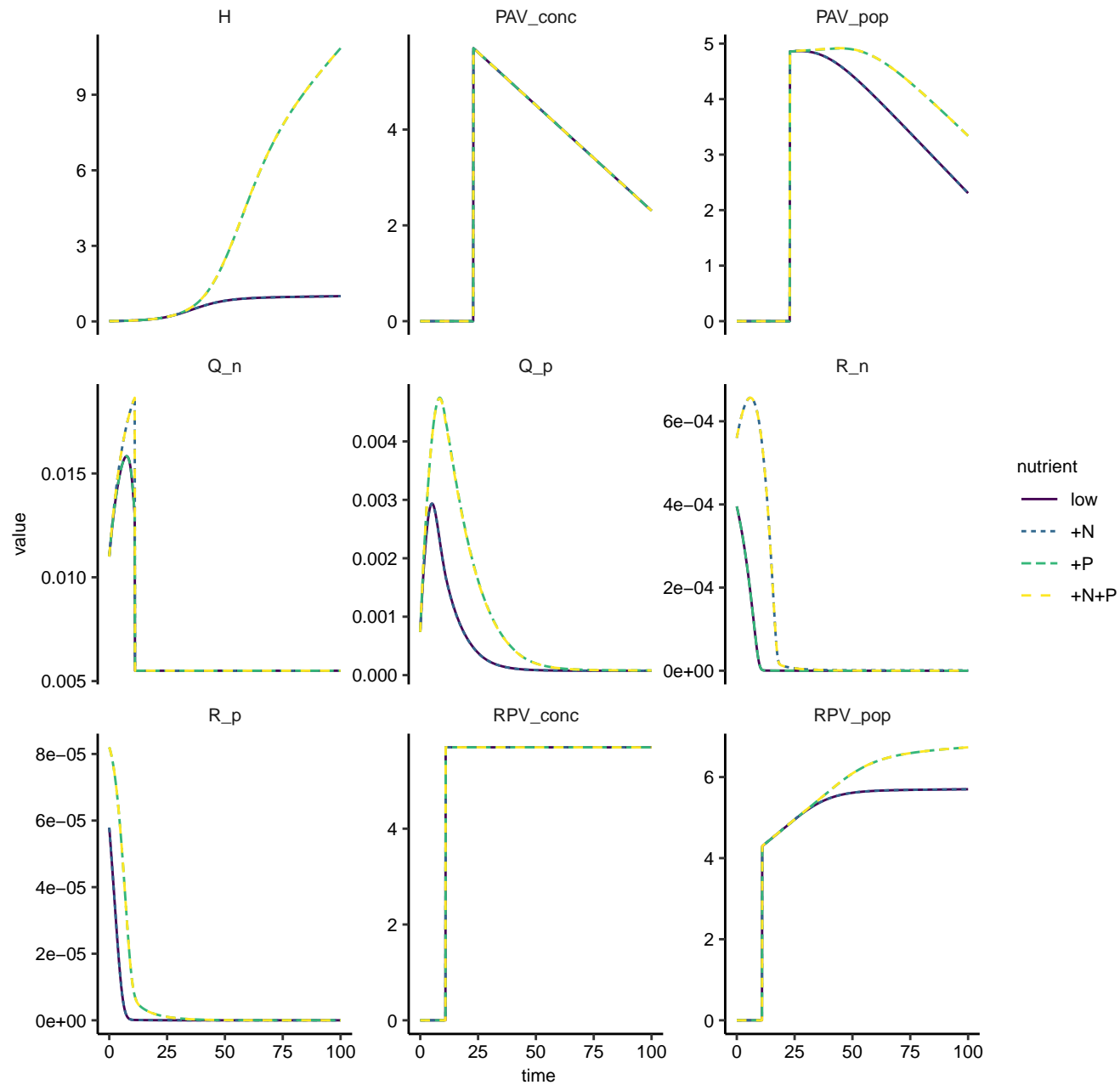
$z_nb = 1e-10$; $z_nc = 1e-08$



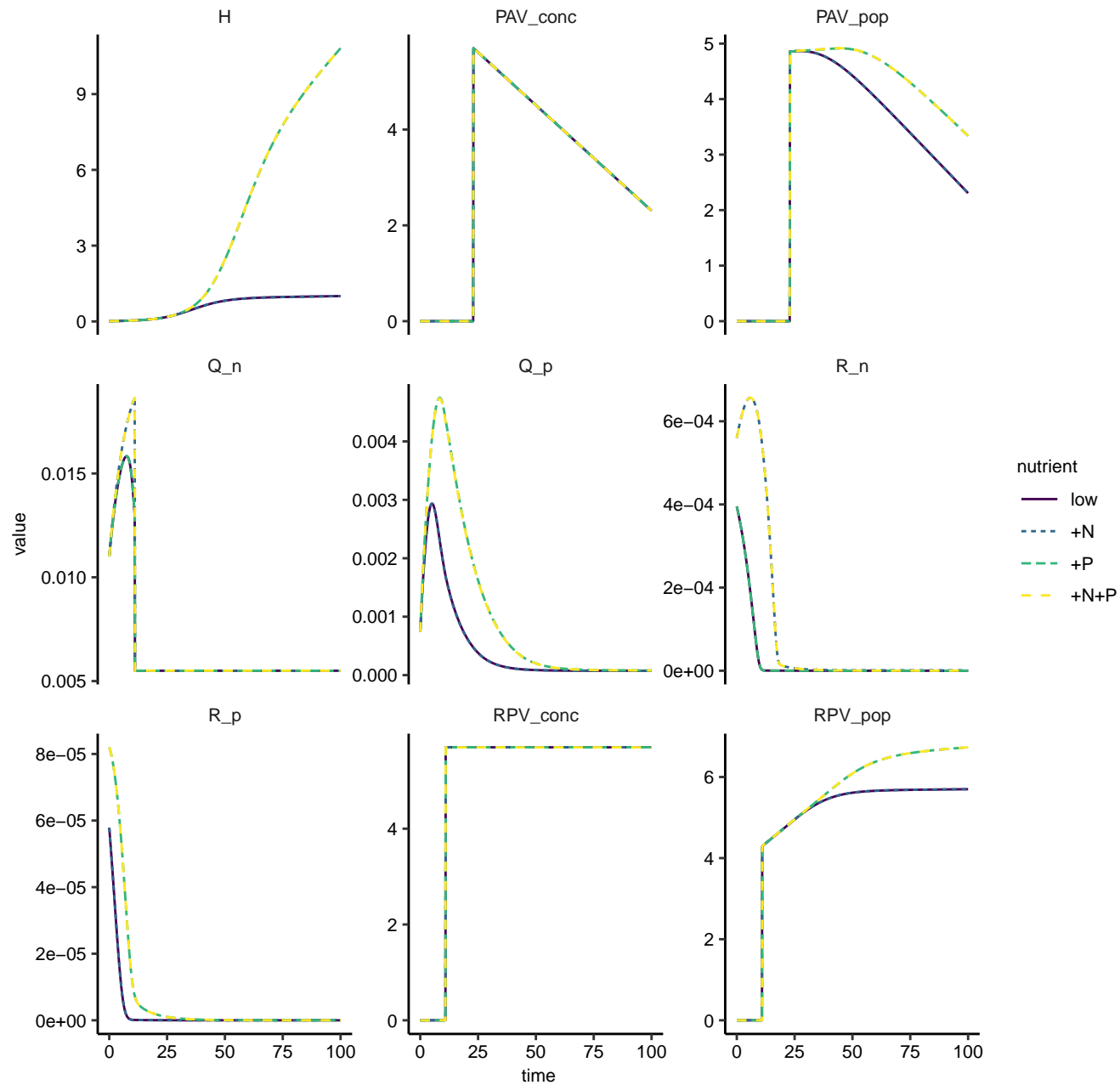
$z_nb = 1e-10$; $z_nc = 1e-06$



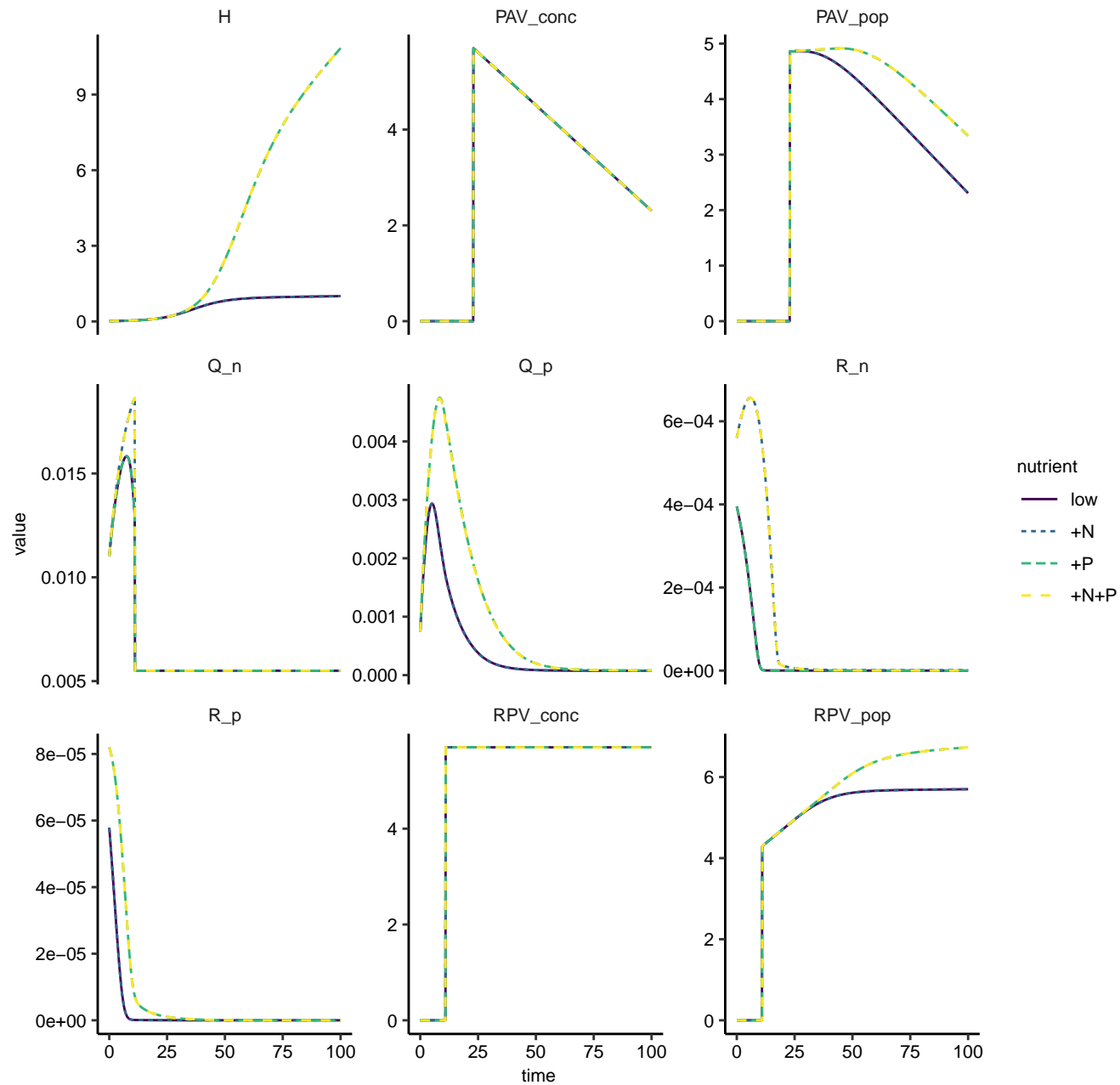
$z_{nb} = 1e-10$; $z_{nc} = 1e-04$



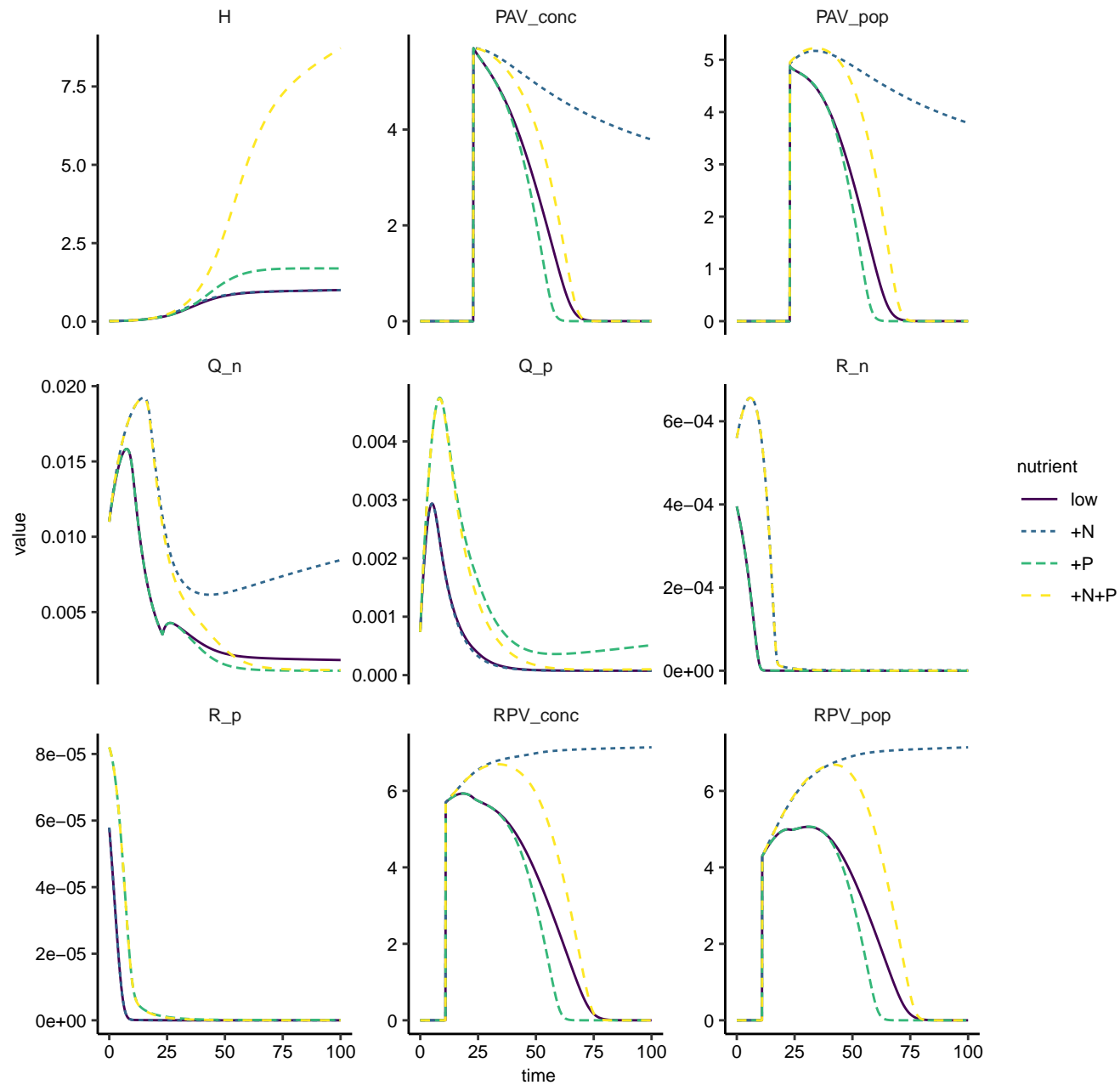
$z_nb = 1e-10$; $z_nc = 0.01$



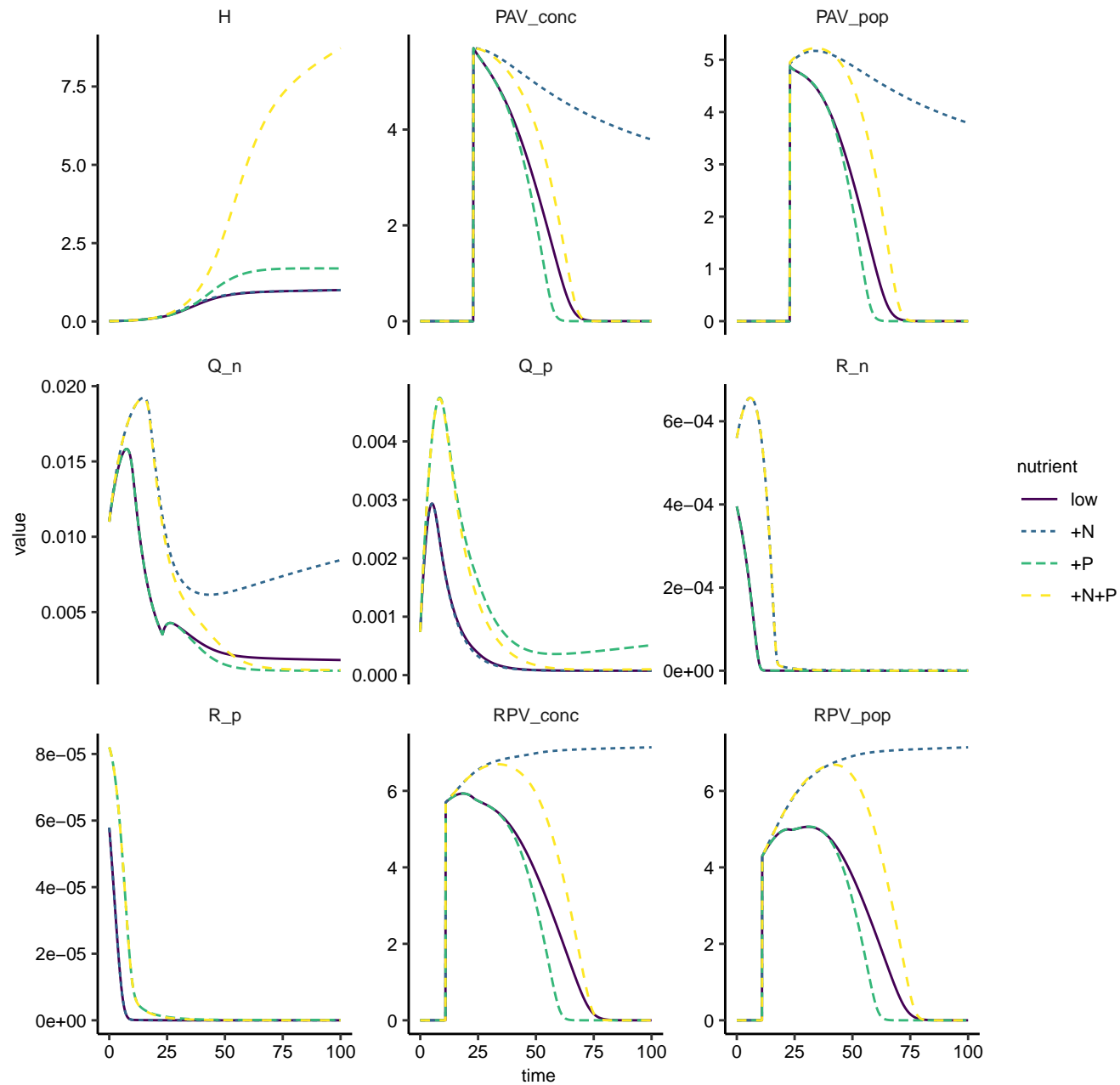
$z_{nb} = 1e-10$; $z_{nc} = 1$



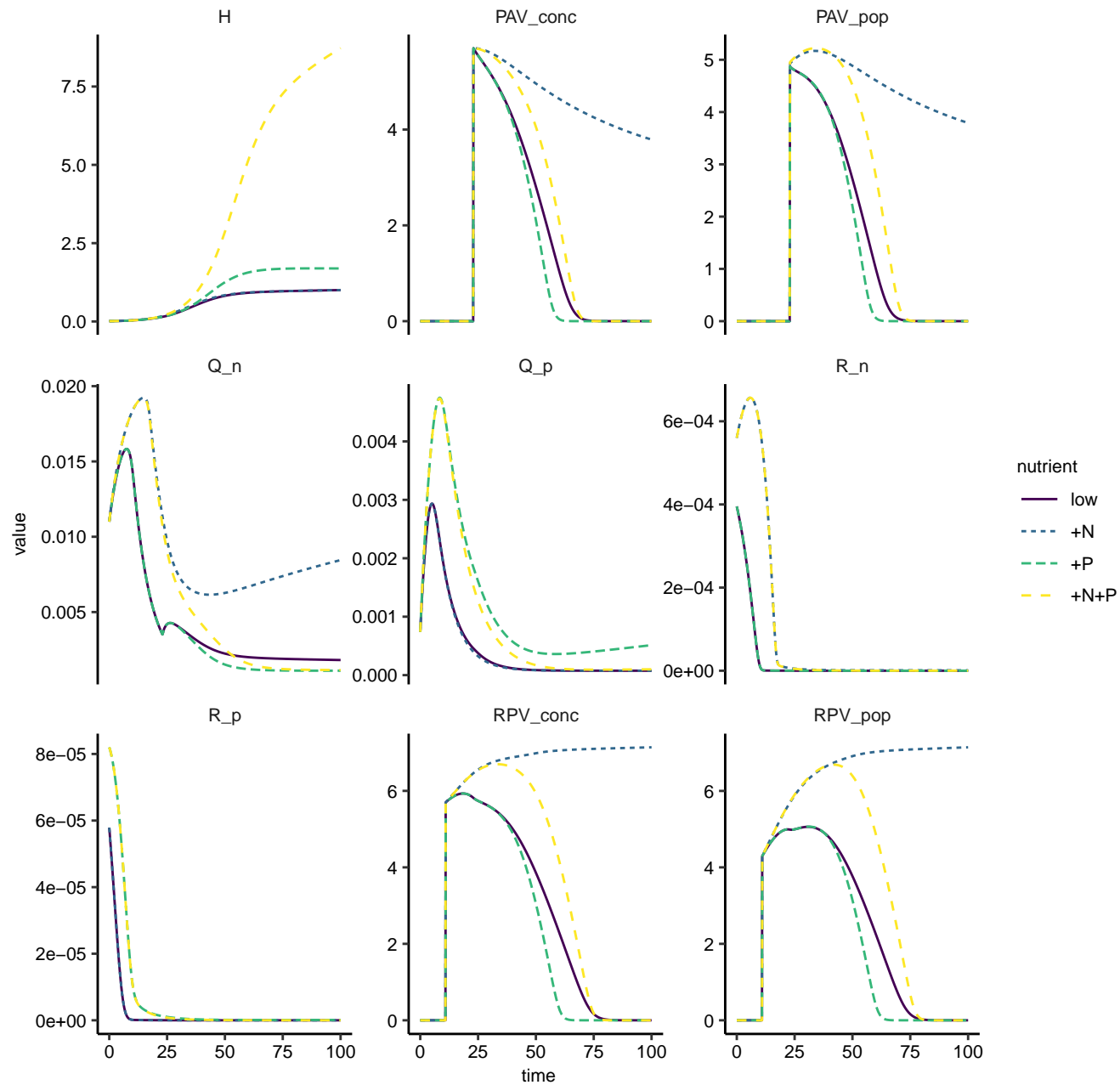
$z_nb = 1e-08$; $z_nc = 1e-18$



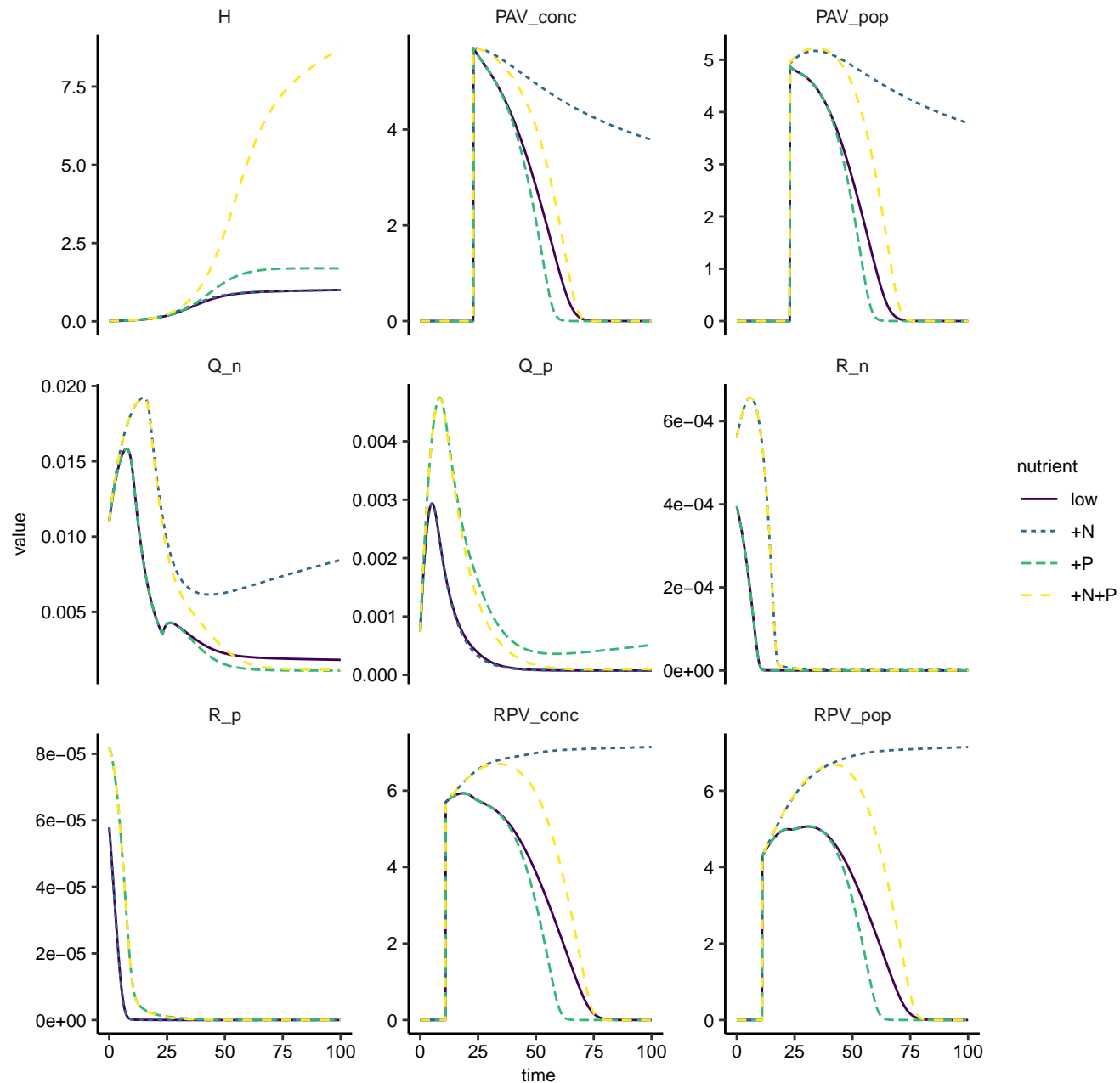
$z_nb = 1e-08$; $z_nc = 1e-16$



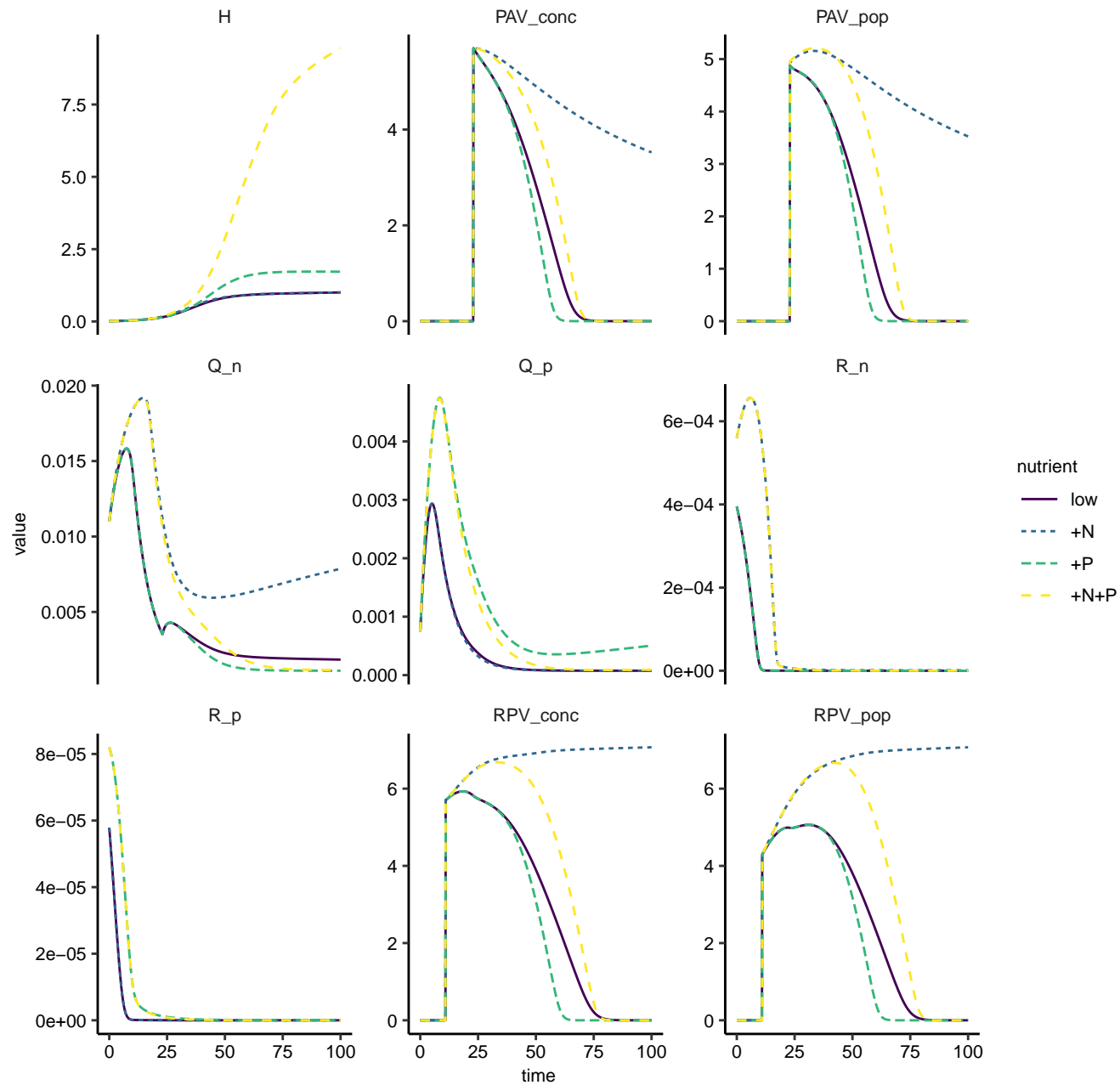
$z_nb = 1e-08$; $z_nc = 1e-14$



$z_nb = 1e-08$; $z_nc = 1e-12$

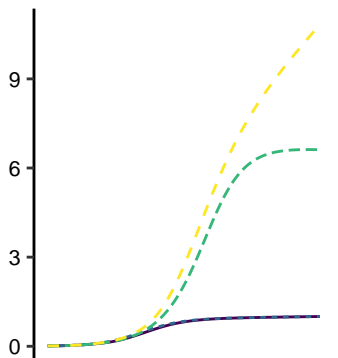


$z_{nb} = 1e-08$; $z_{nc} = 1e-10$

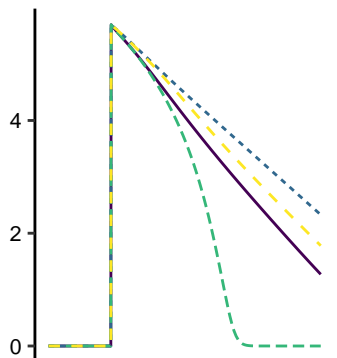


$z_nb = 1e-08$; $z_nc = 1e-08$

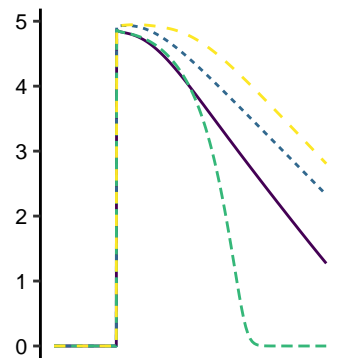
H



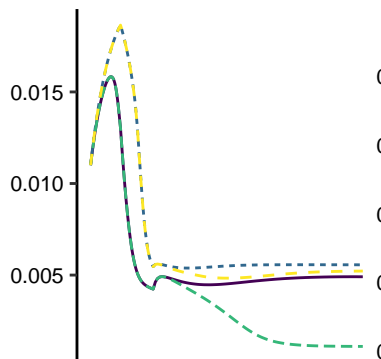
PAV_conc



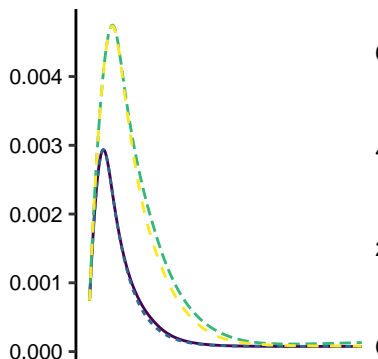
PAV_pop



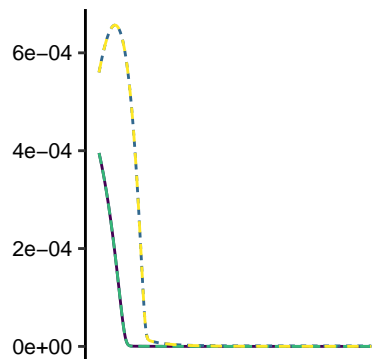
Q_n



Q_p



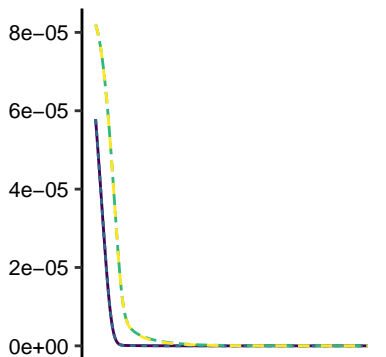
R_n



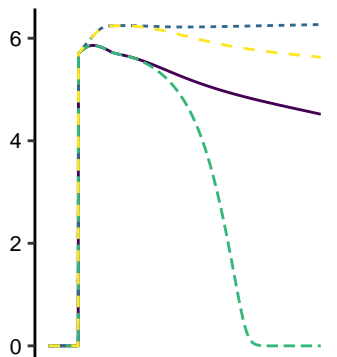
nutrient

low
+N
+P
+N+P

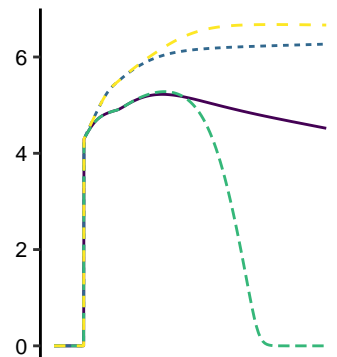
R_p



RPV_conc

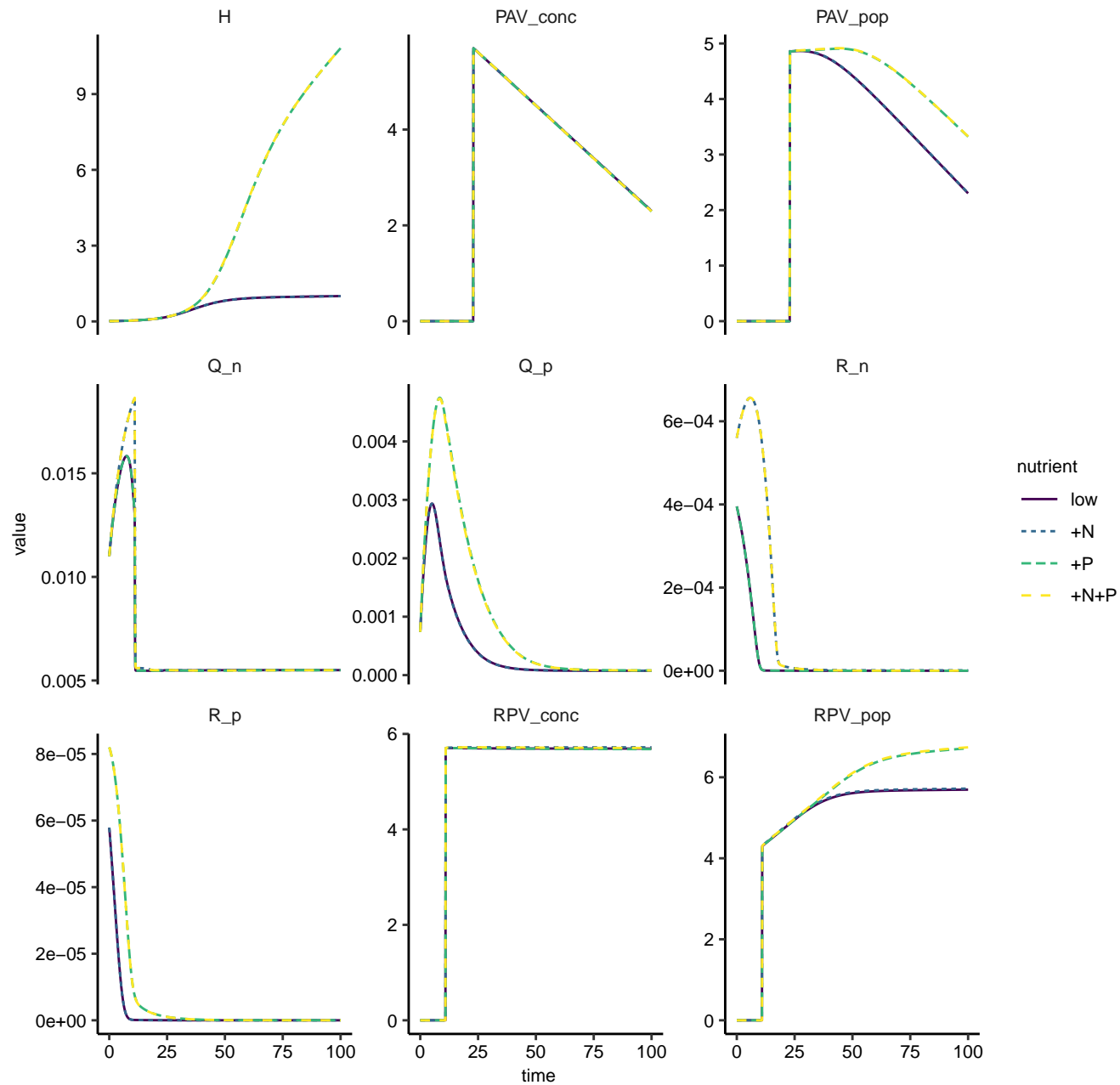


RPV_pop

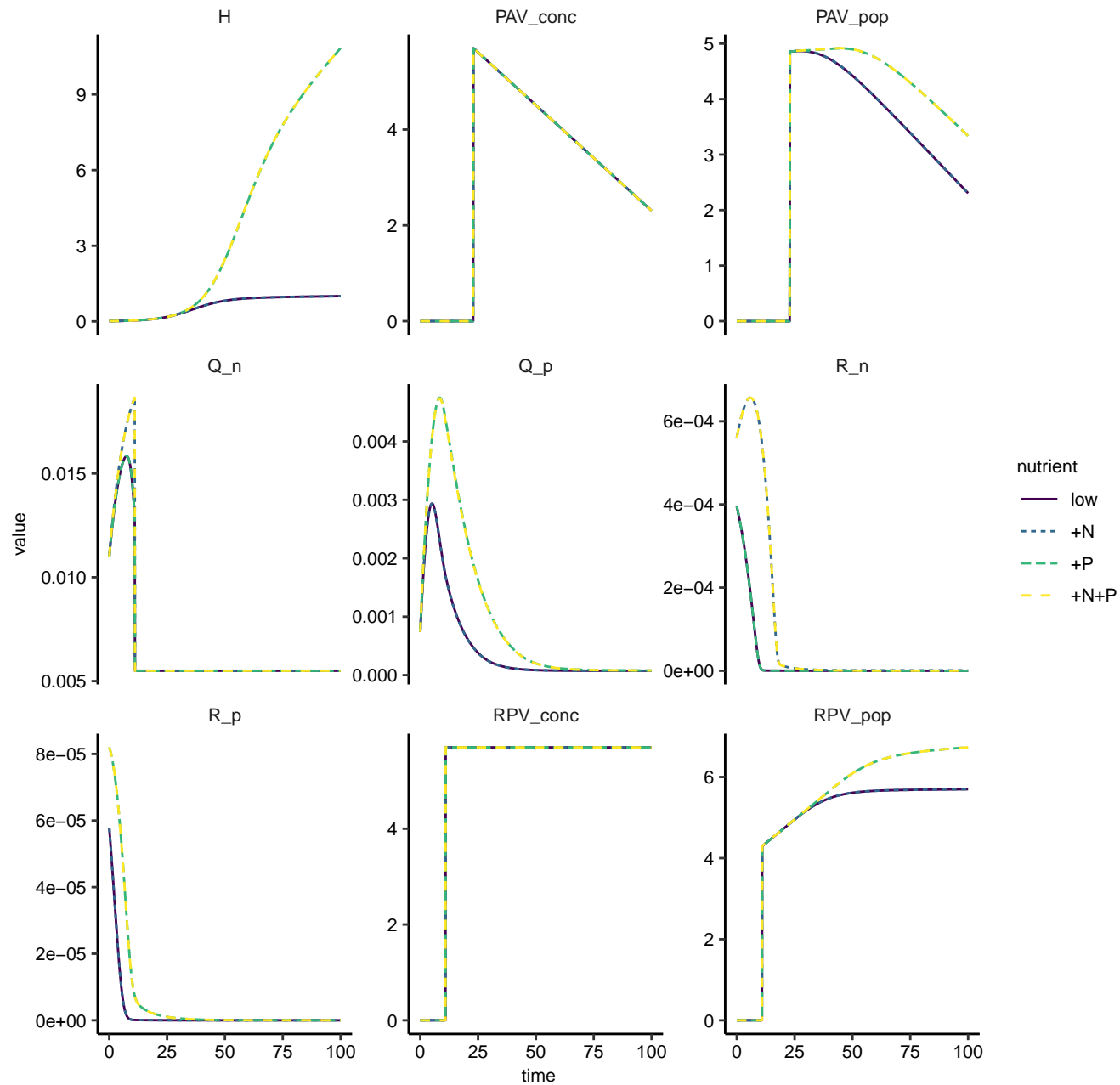


time

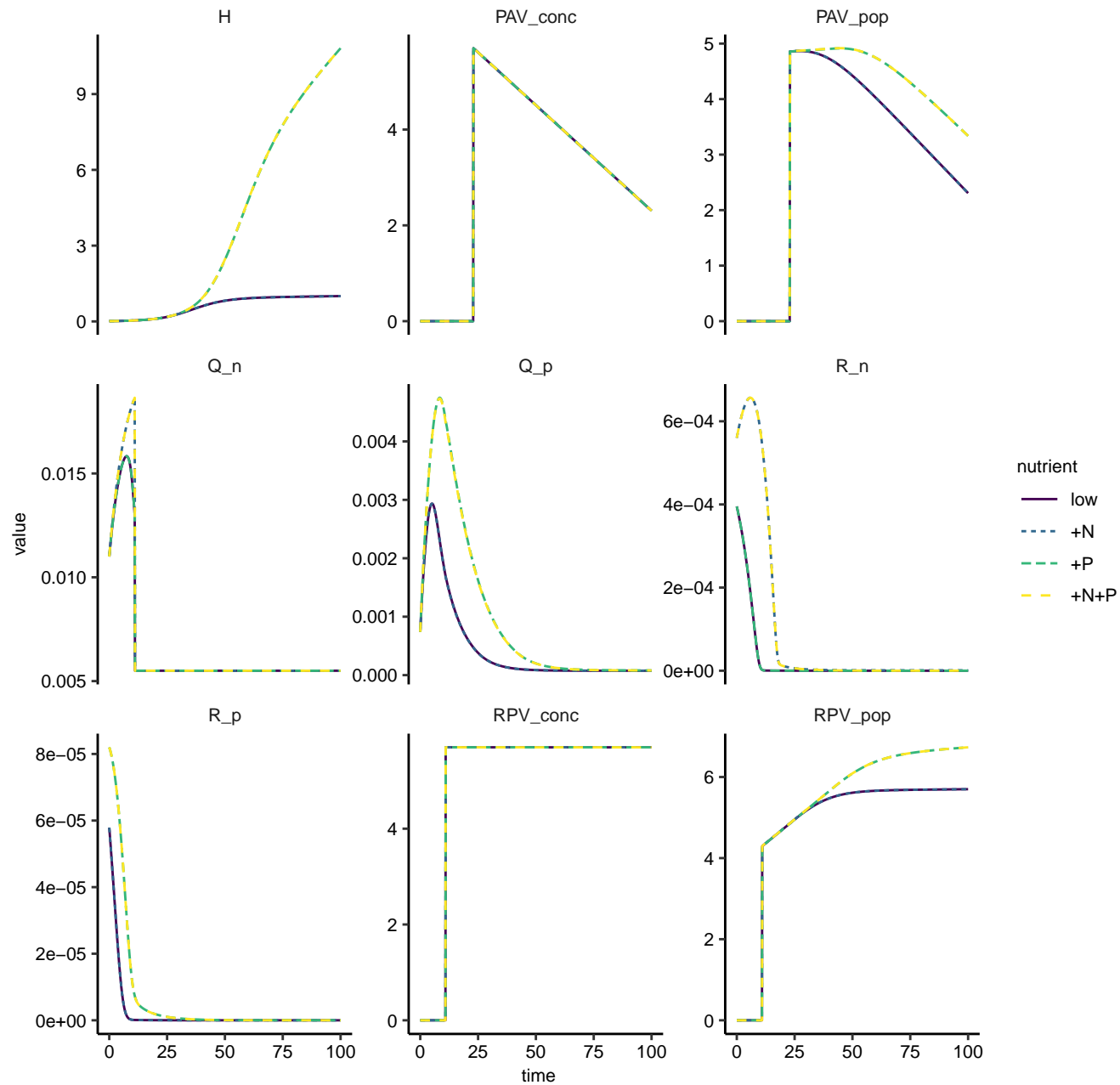
$z_nb = 1e-08$; $z_nc = 1e-06$



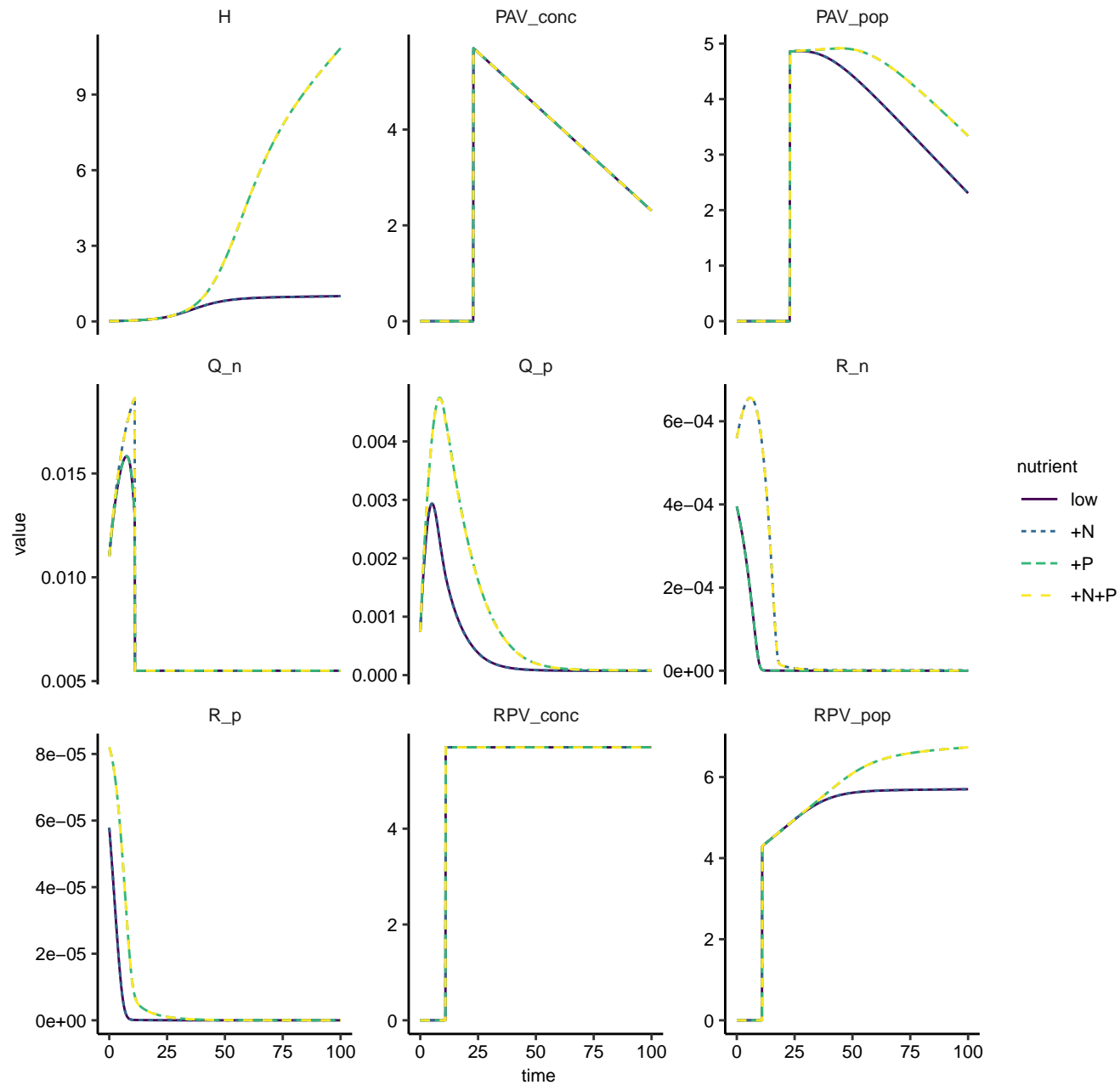
$z_nb = 1e-08$; $z_nc = 1e-04$



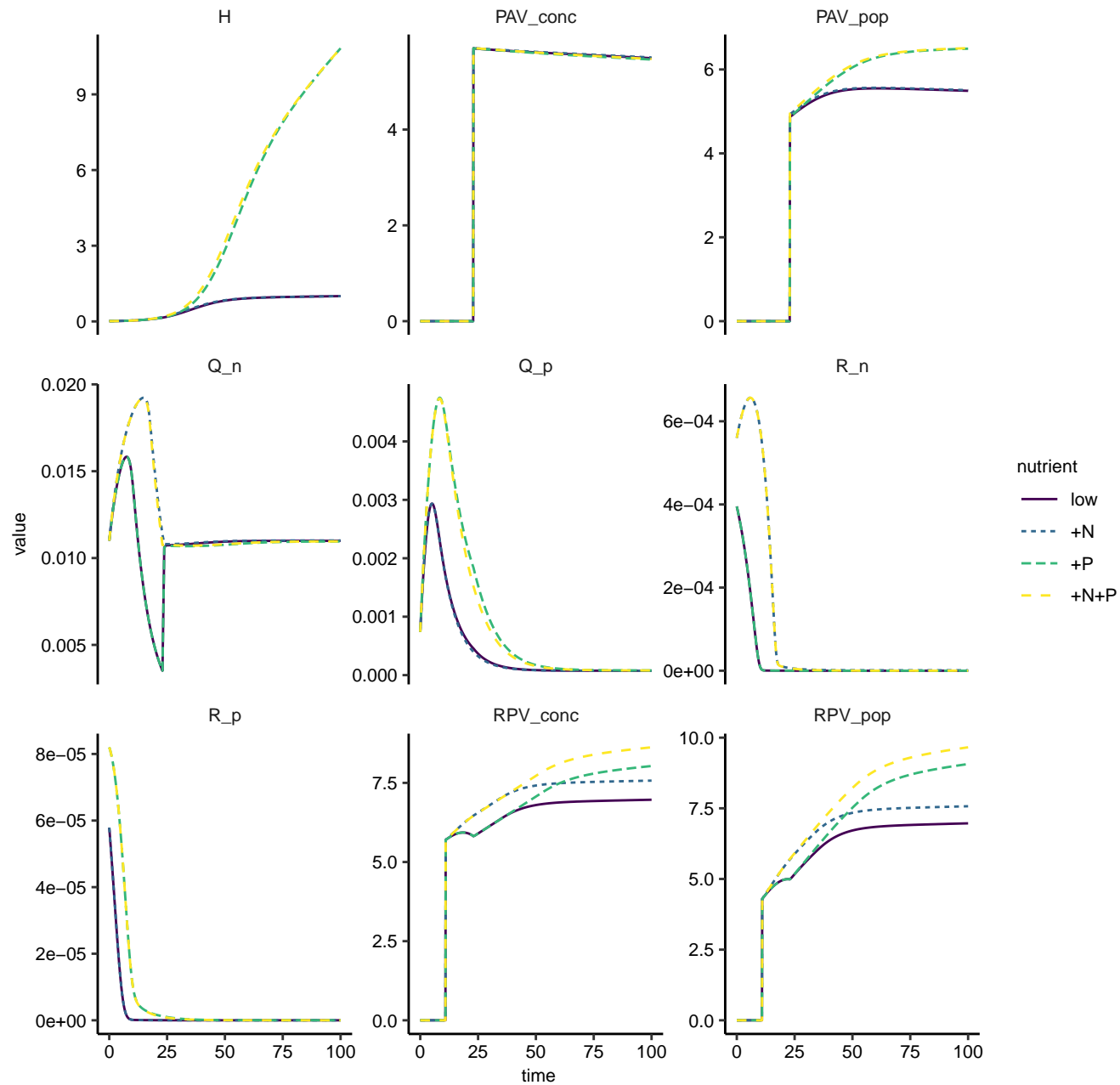
$z_nb = 1e-08$; $z_nc = 0.01$



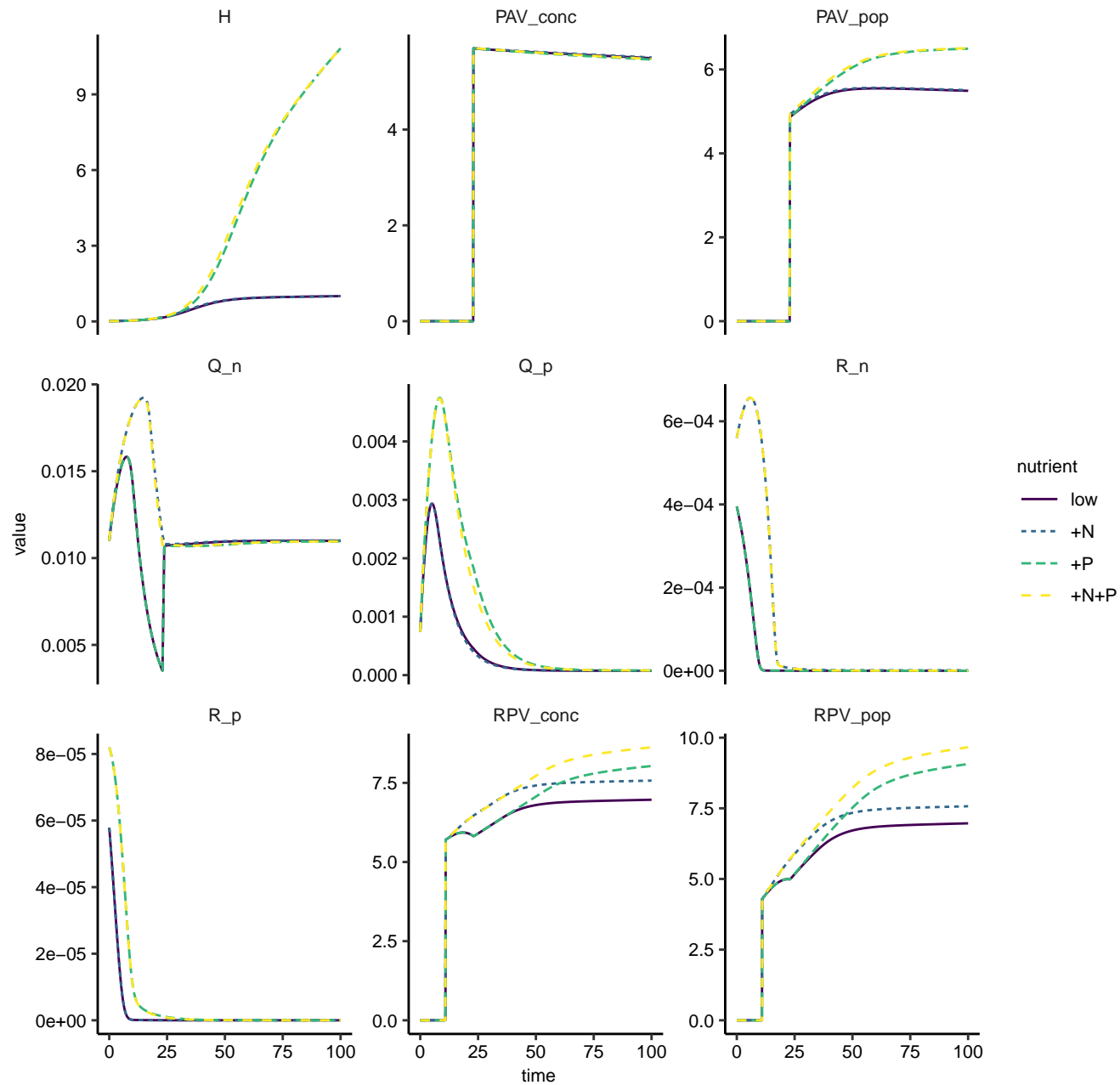
$z_nb = 1e-08$; $z_nc = 1$



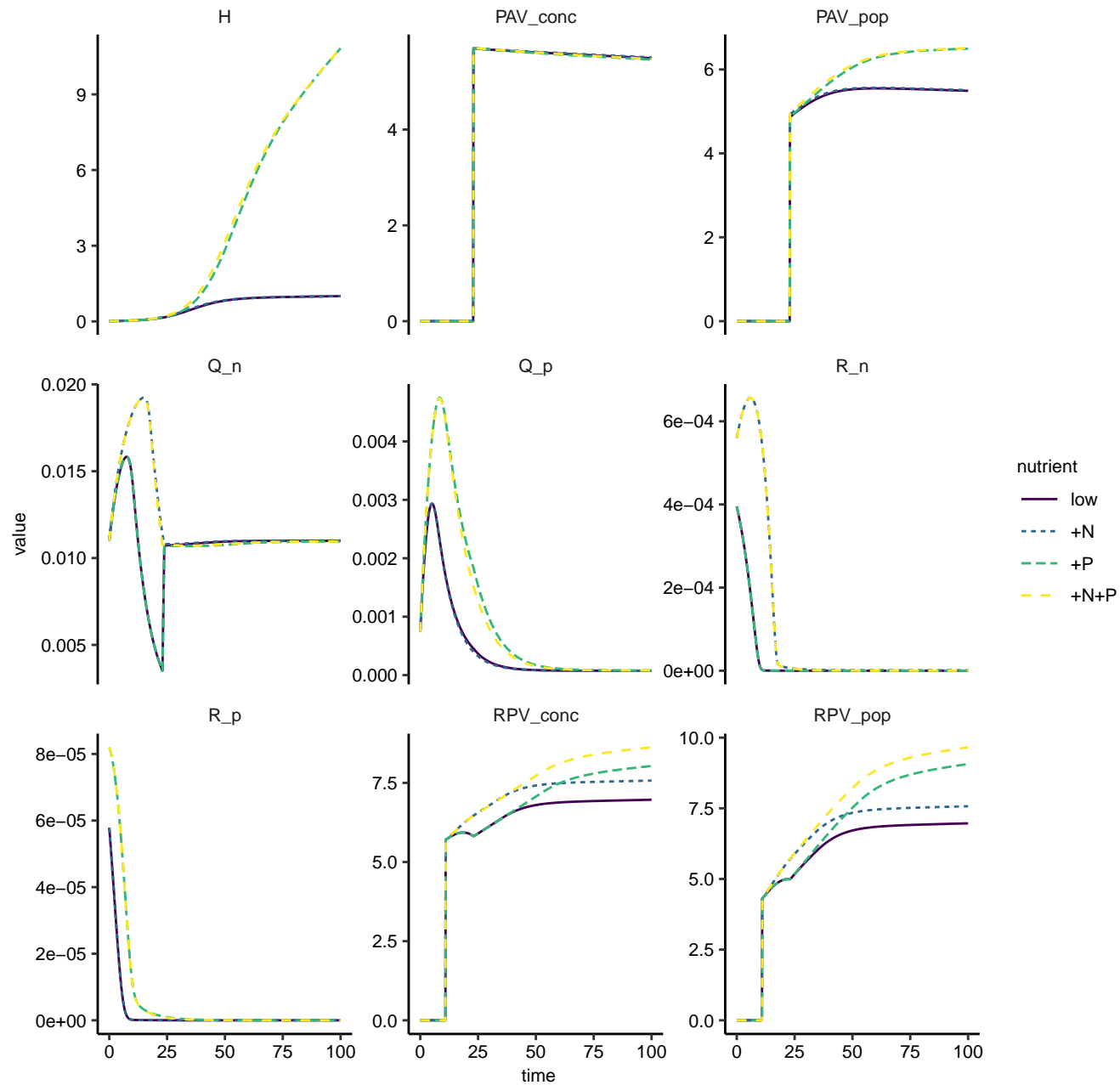
$z_nb = 1e-06$; $z_nc = 1e-18$



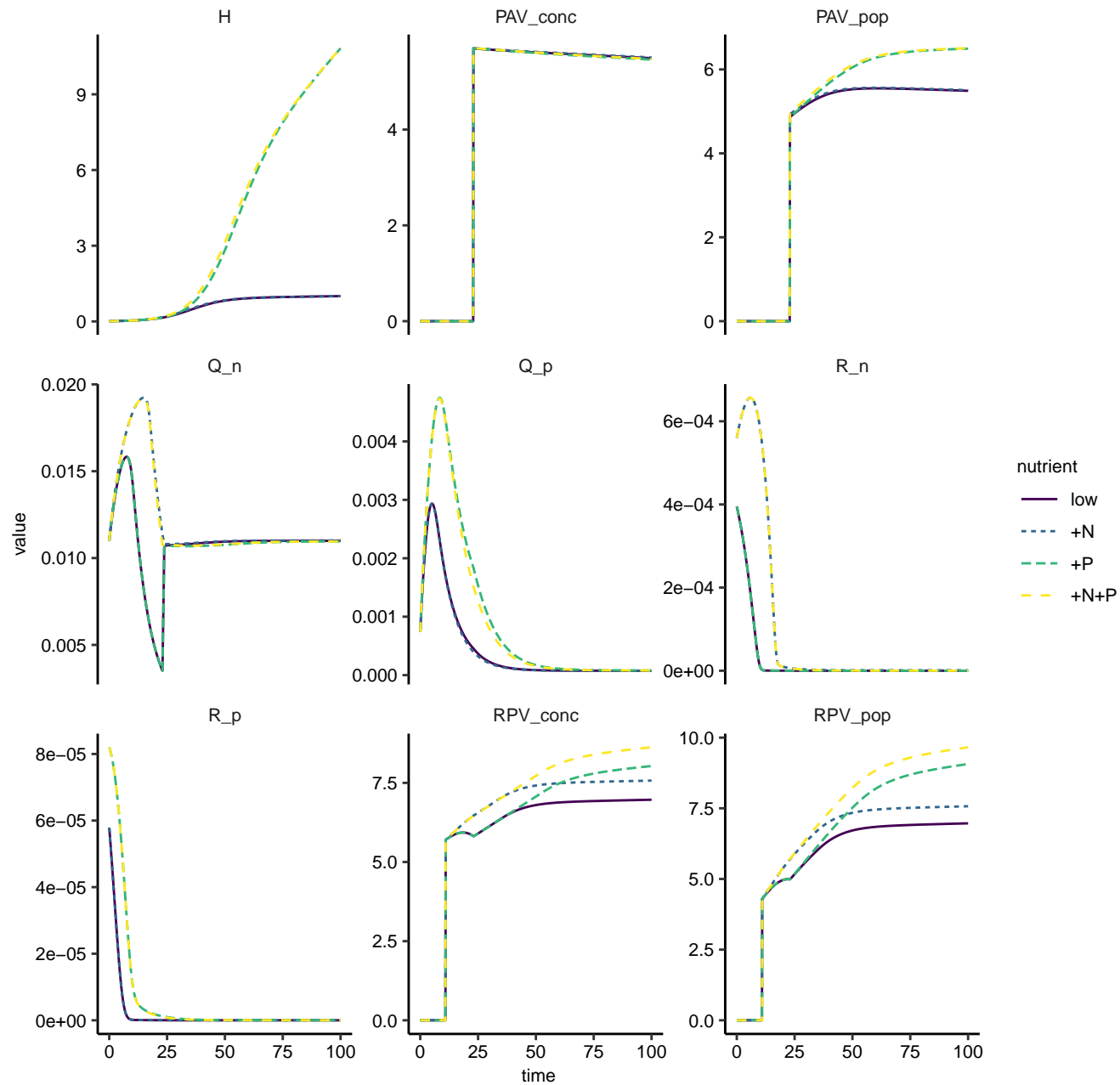
$z_nb = 1e-06$; $z_nc = 1e-16$



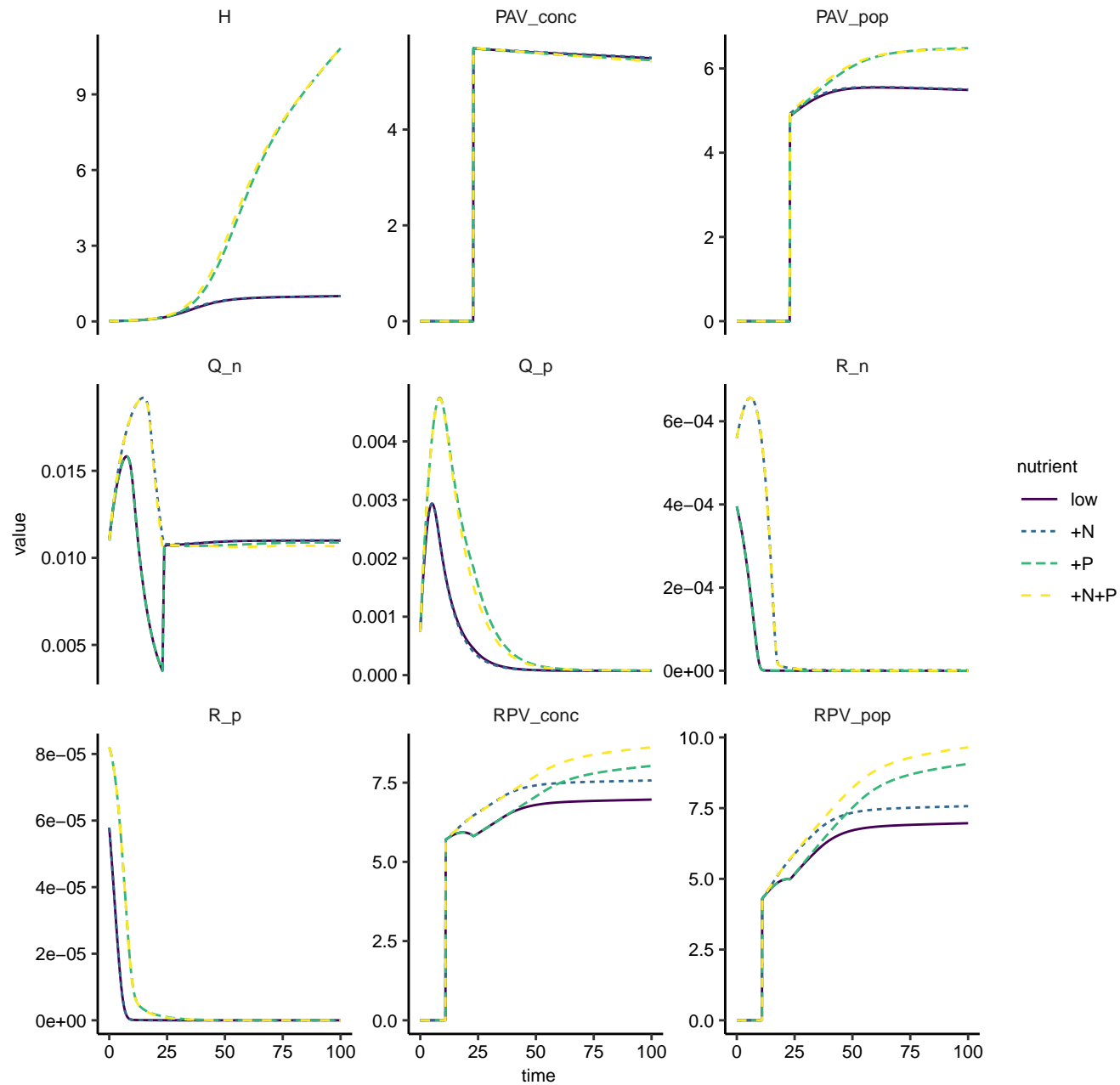
$z_nb = 1e-06$; $z_nc = 1e-14$



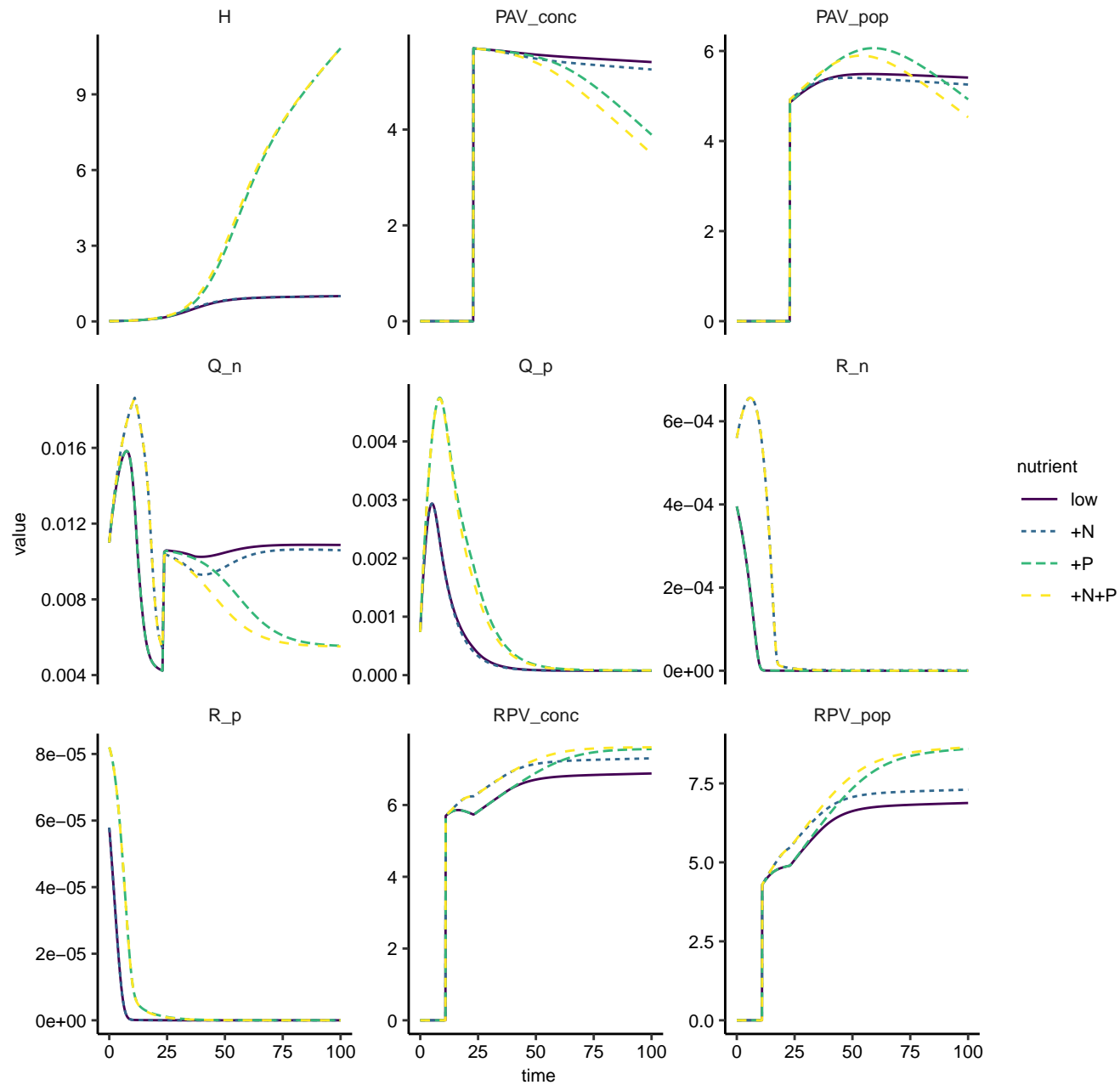
$z_nb = 1e-06$; $z_nc = 1e-12$



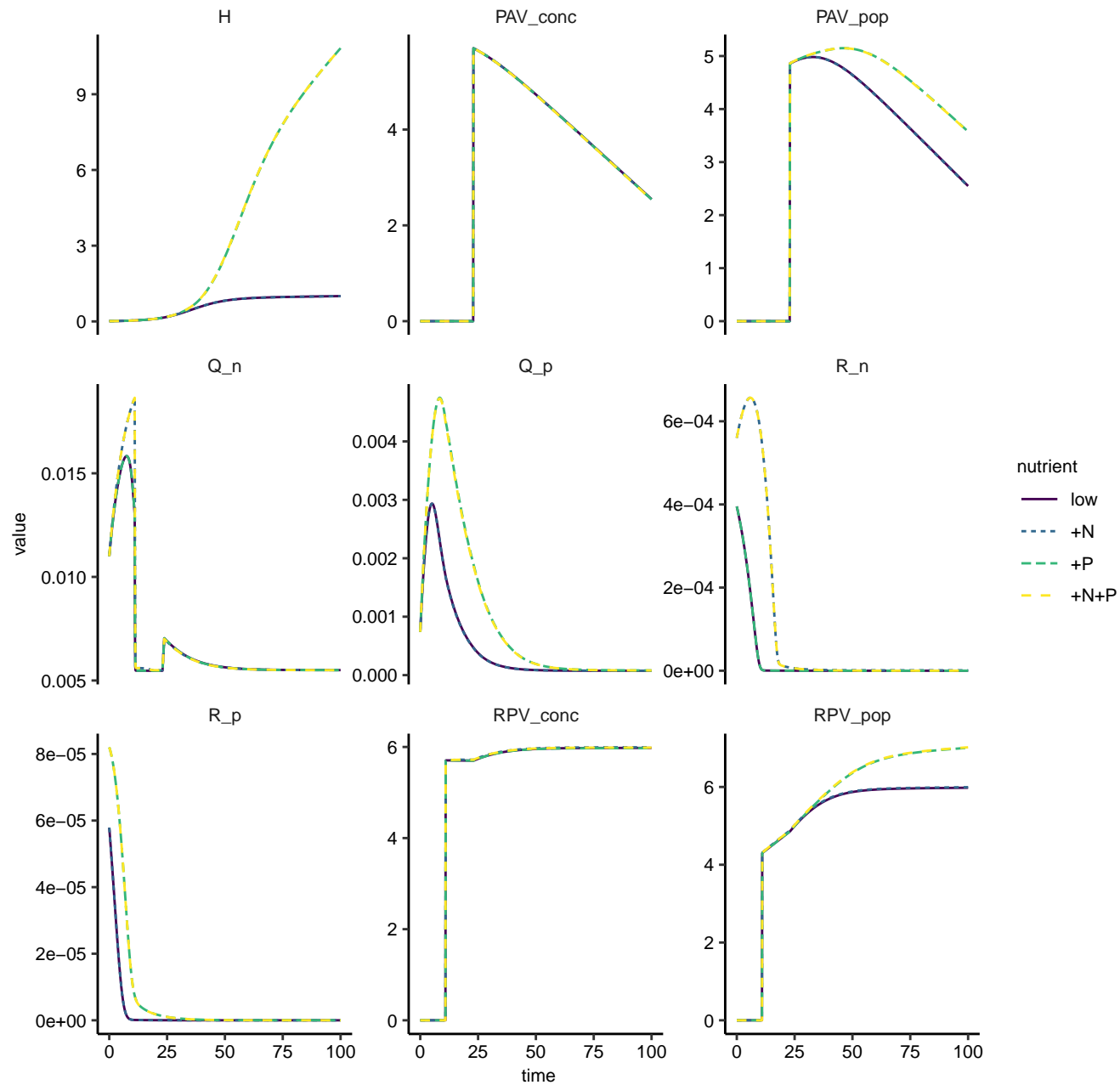
$z_nb = 1e-06$; $z_nc = 1e-10$



$z_nb = 1e-06$; $z_nc = 1e-08$

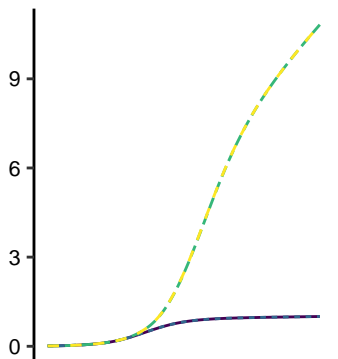


$z_nb = 1e-06$; $z_nc = 1e-06$

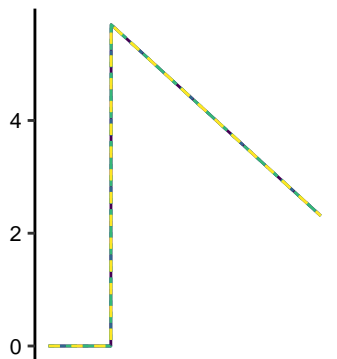


$z_{nb} = 1e-06$; $z_{nc} = 1e-04$

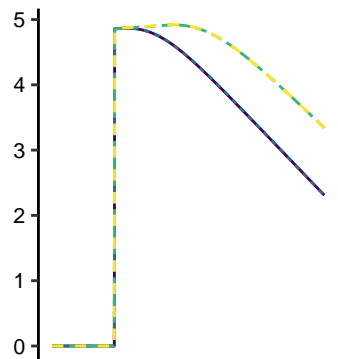
H



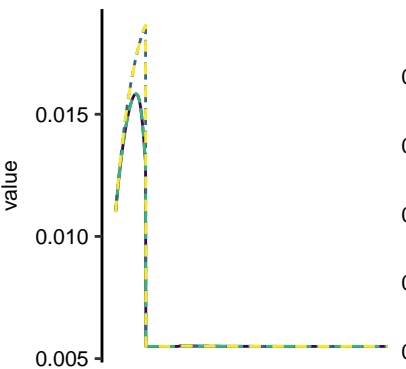
PAV_conc



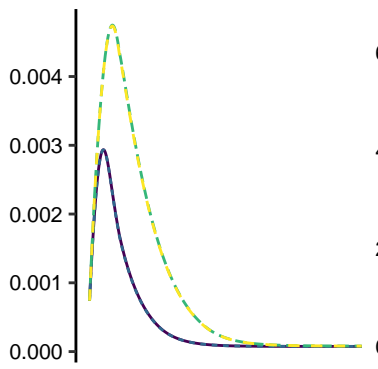
PAV_pop



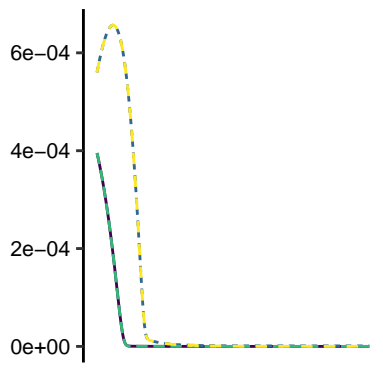
Q_n



Q_p



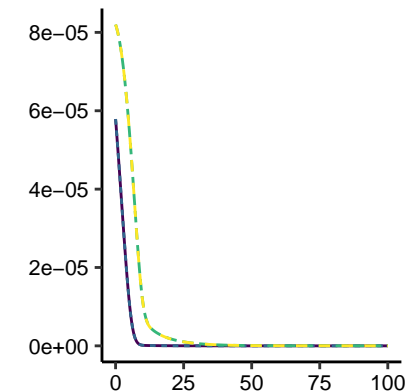
R_n



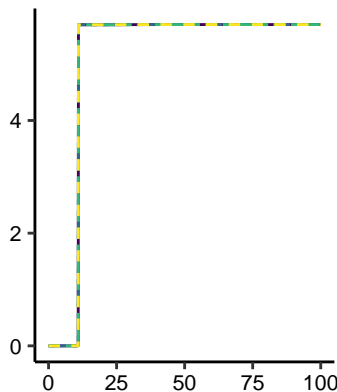
nutrient

low
+N
+P
+N+P

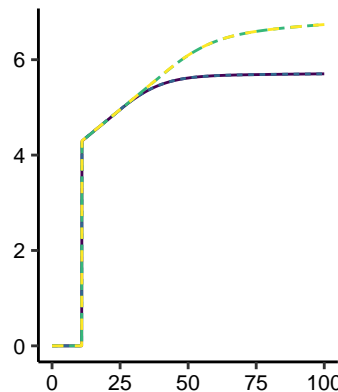
R_p



RPV_conc

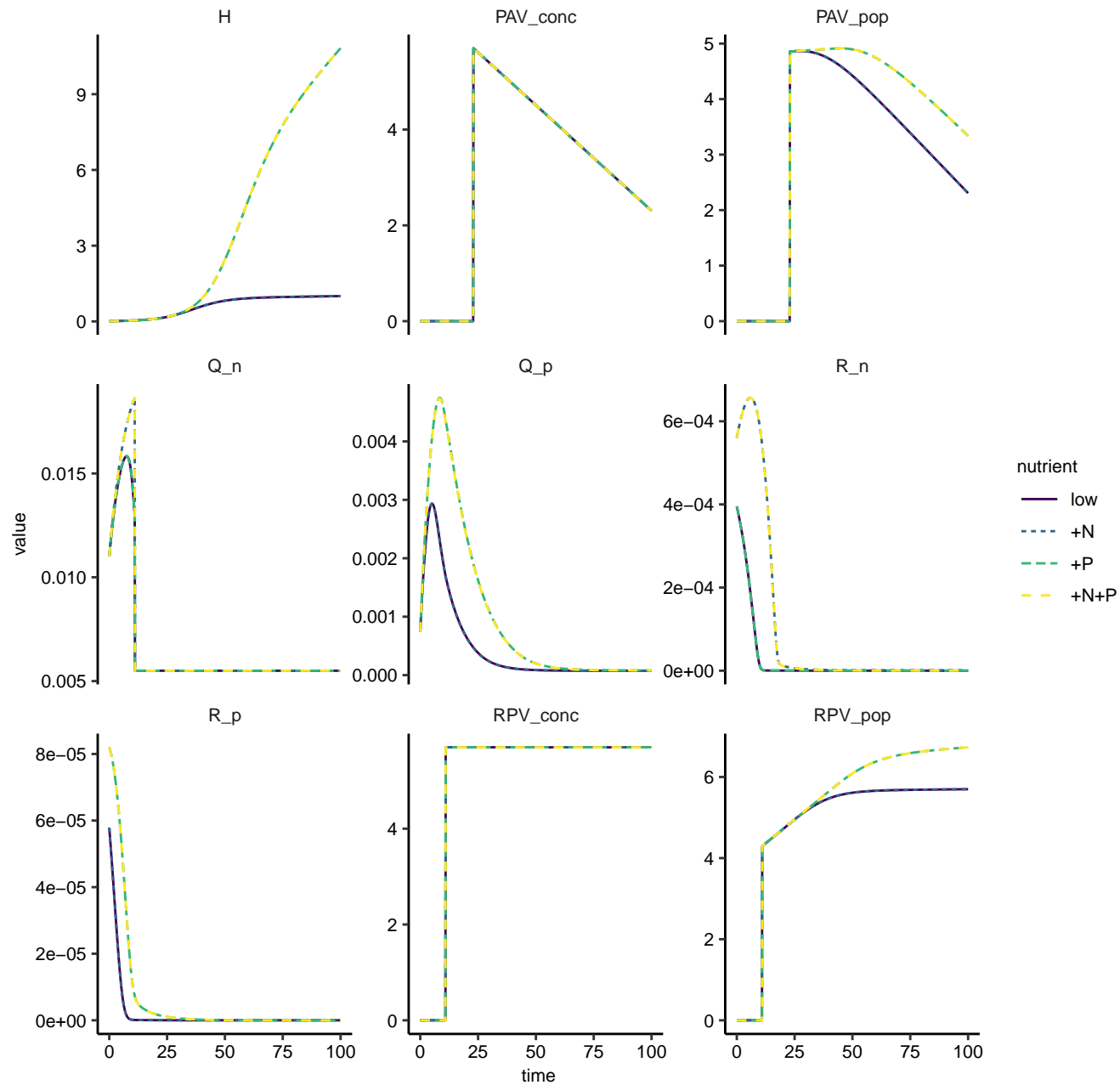


RPV_pop

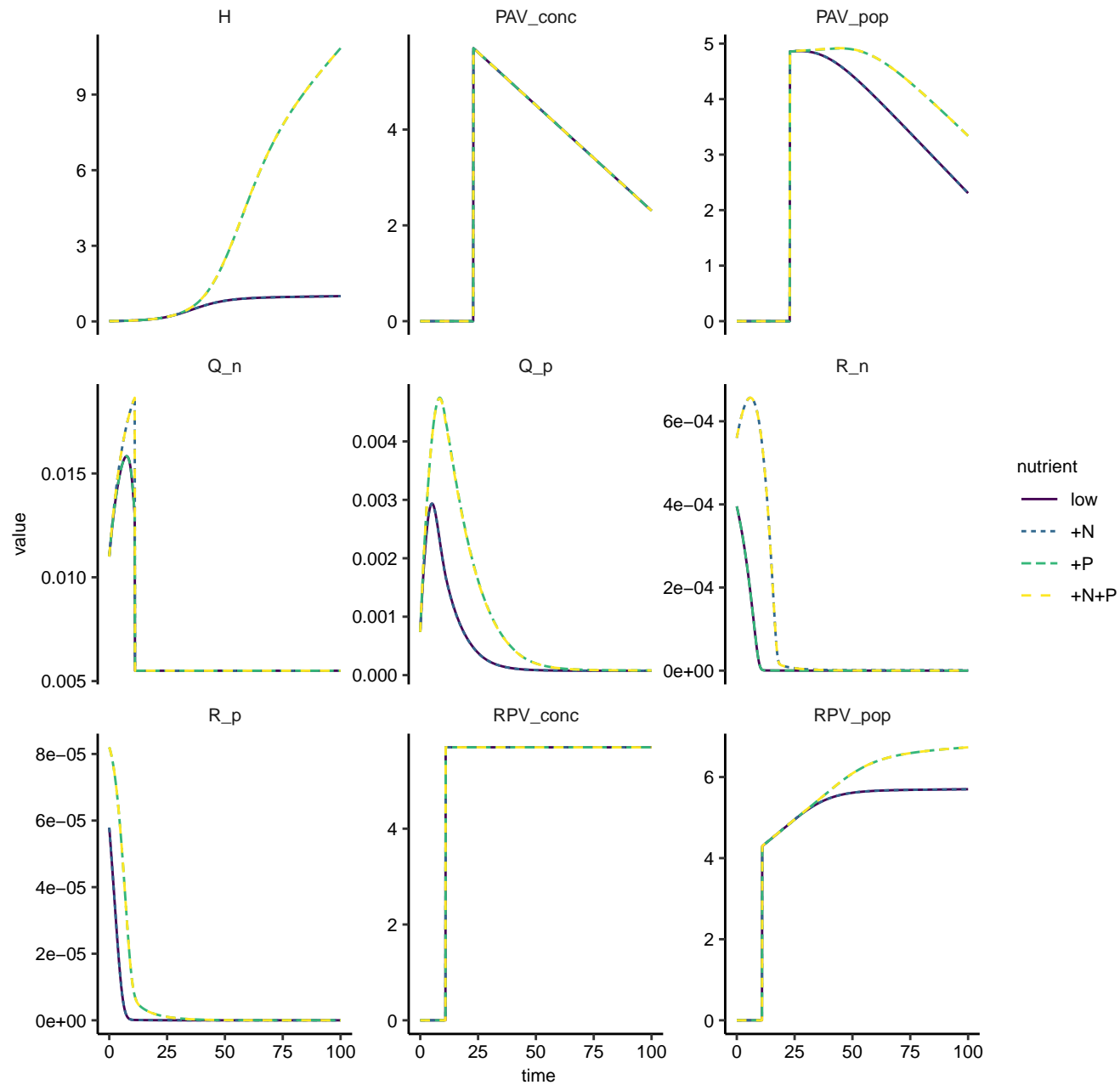


time

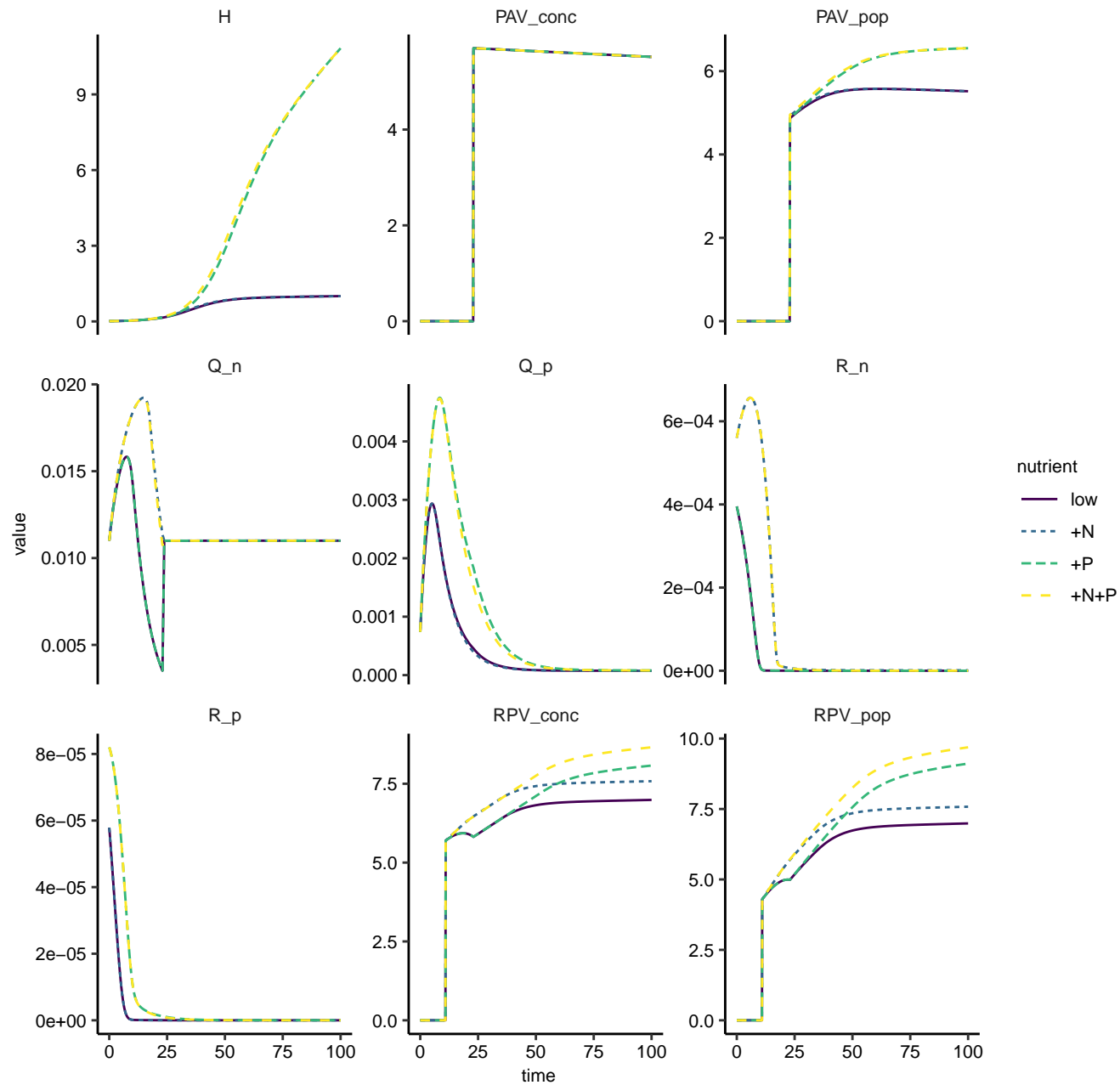
$z_nb = 1e-06$; $z_nc = 0.01$



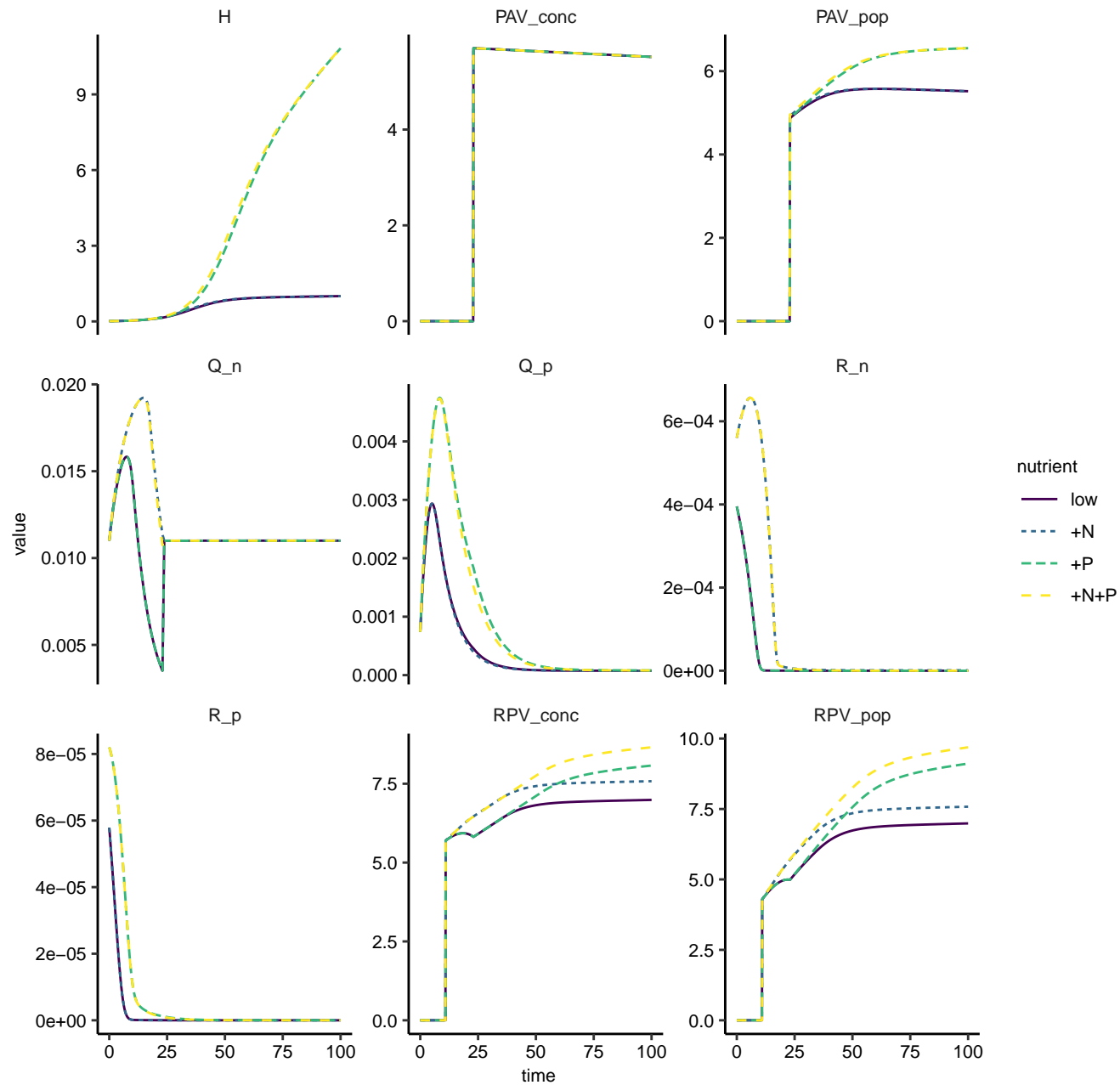
$z_nb = 1e-06$; $z_nc = 1$



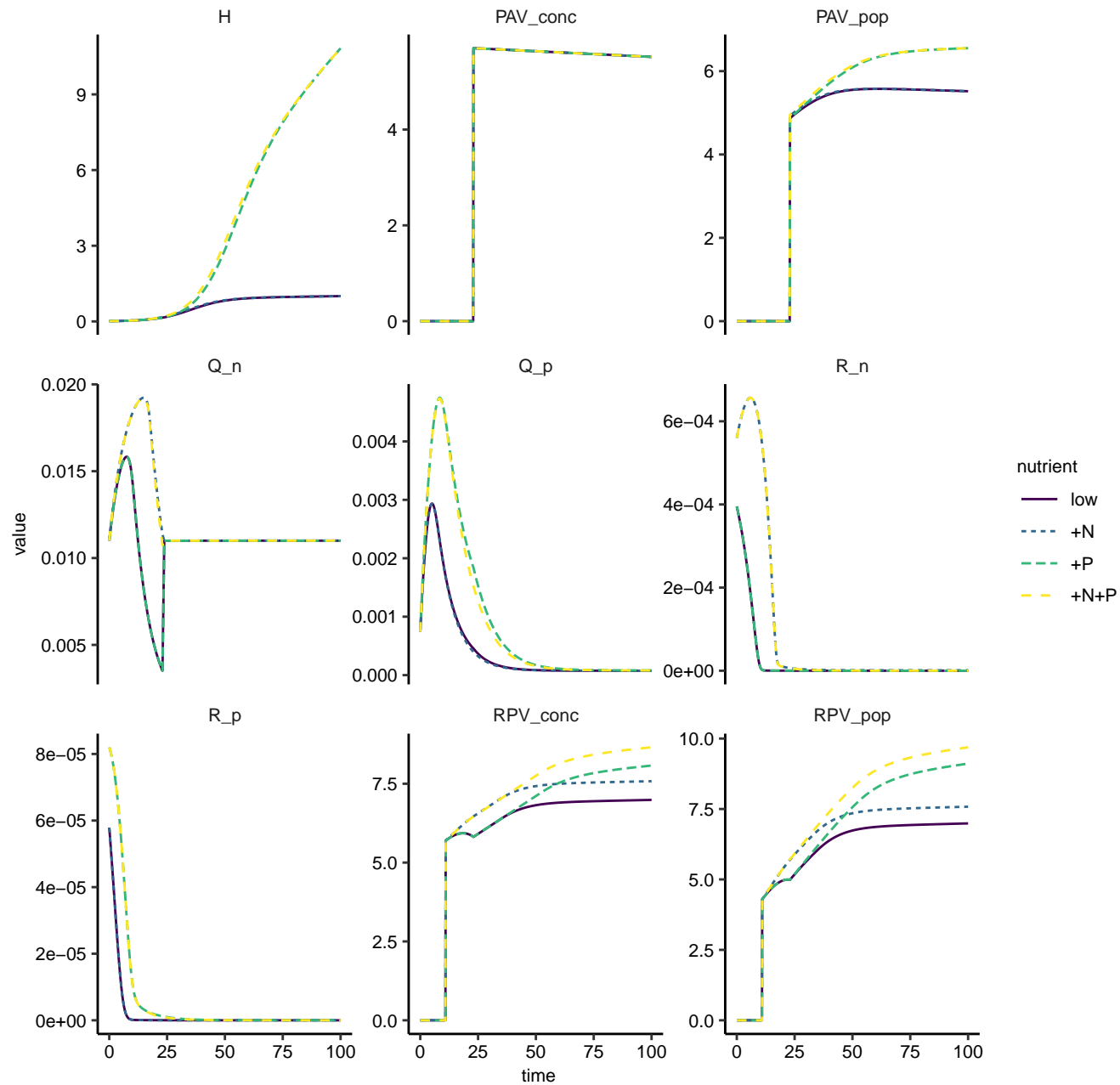
$z_nb = 1e-04$; $z_nc = 1e-18$



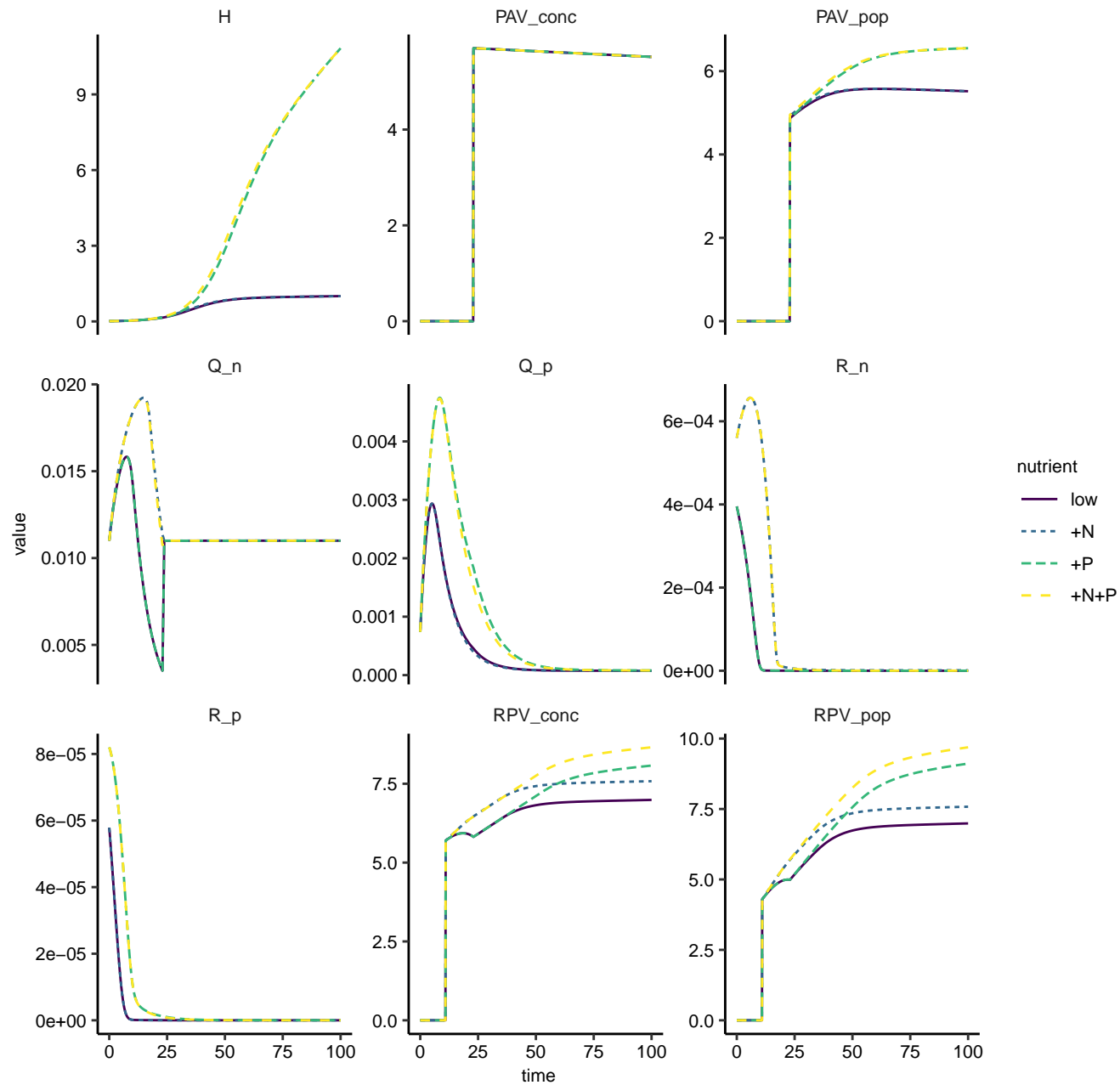
$z_nb = 1e-04$; $z_nc = 1e-16$



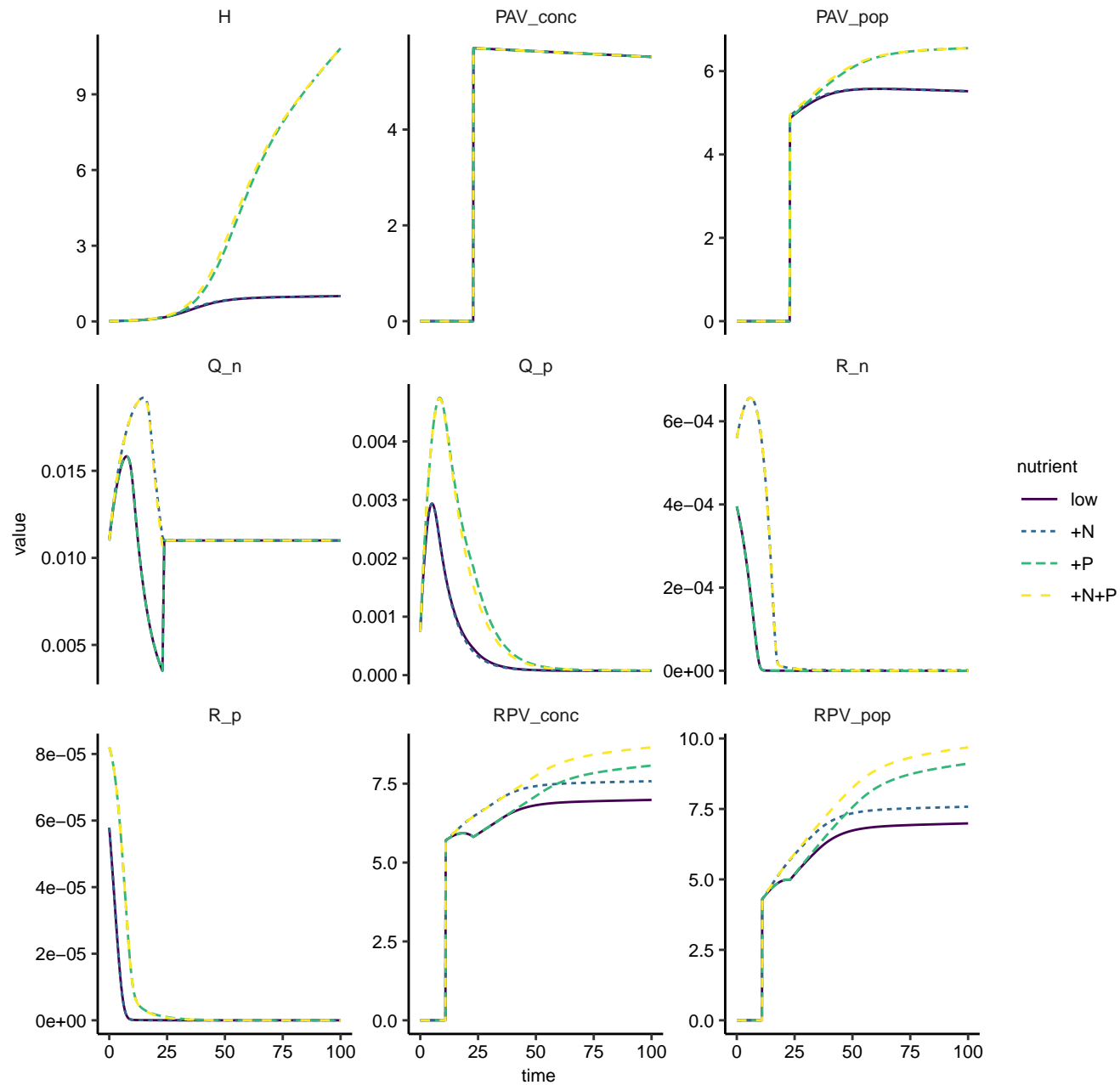
$z_nb = 1e-04$; $z_nc = 1e-14$



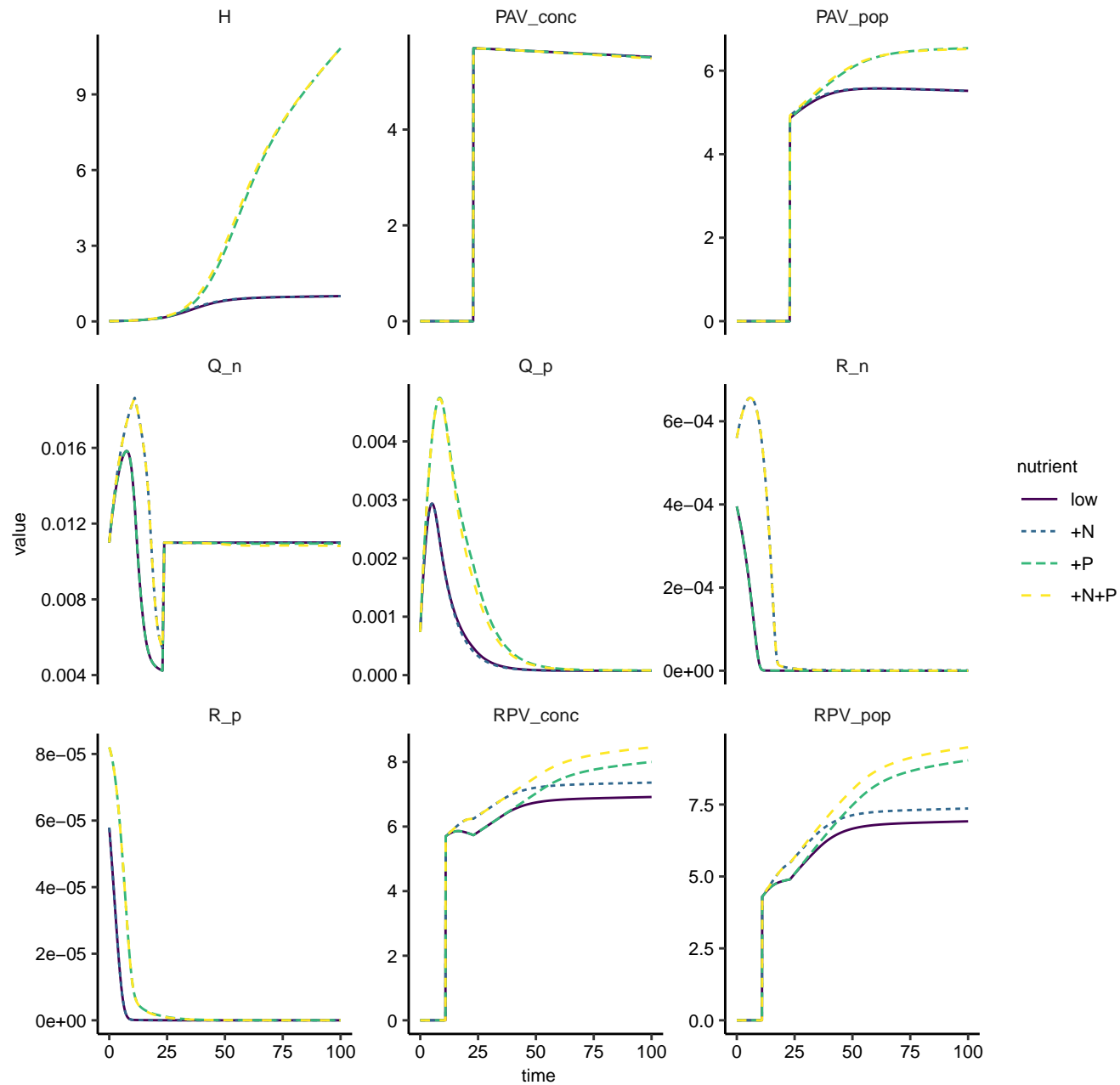
$z_nb = 1e-04$; $z_nc = 1e-12$



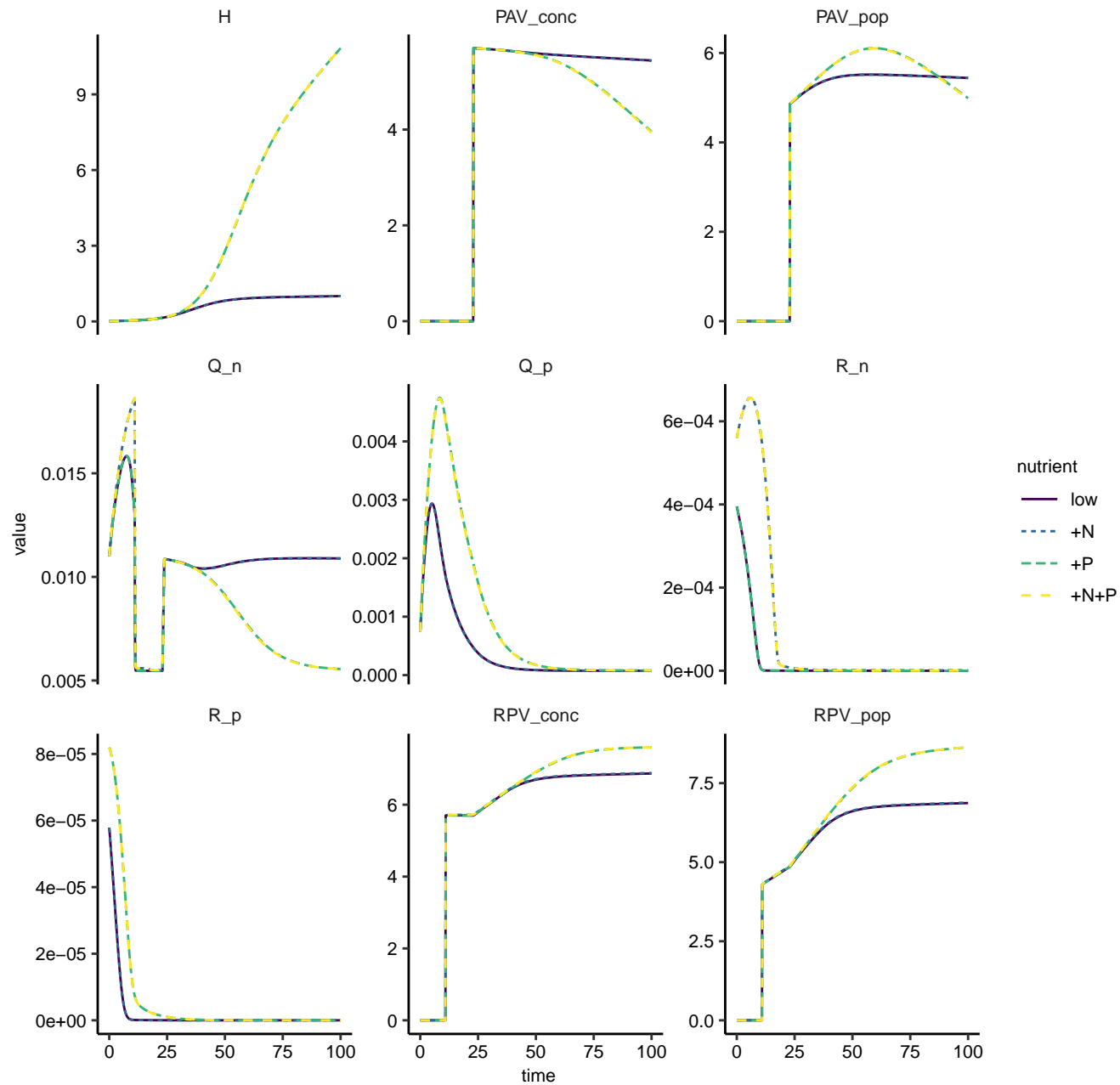
$z_nb = 1e-04$; $z_nc = 1e-10$



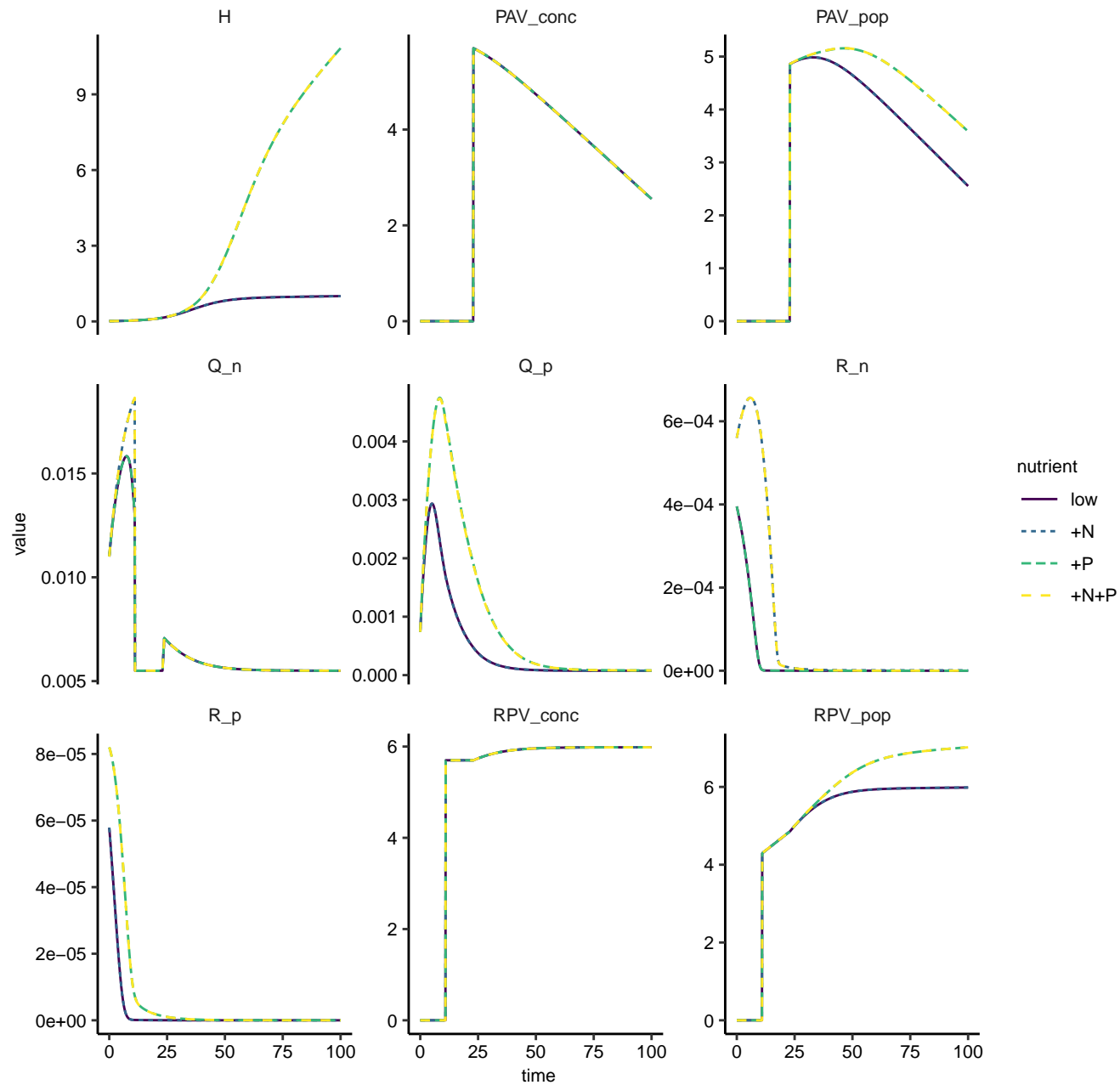
$z_nb = 1e-04$; $z_nc = 1e-08$



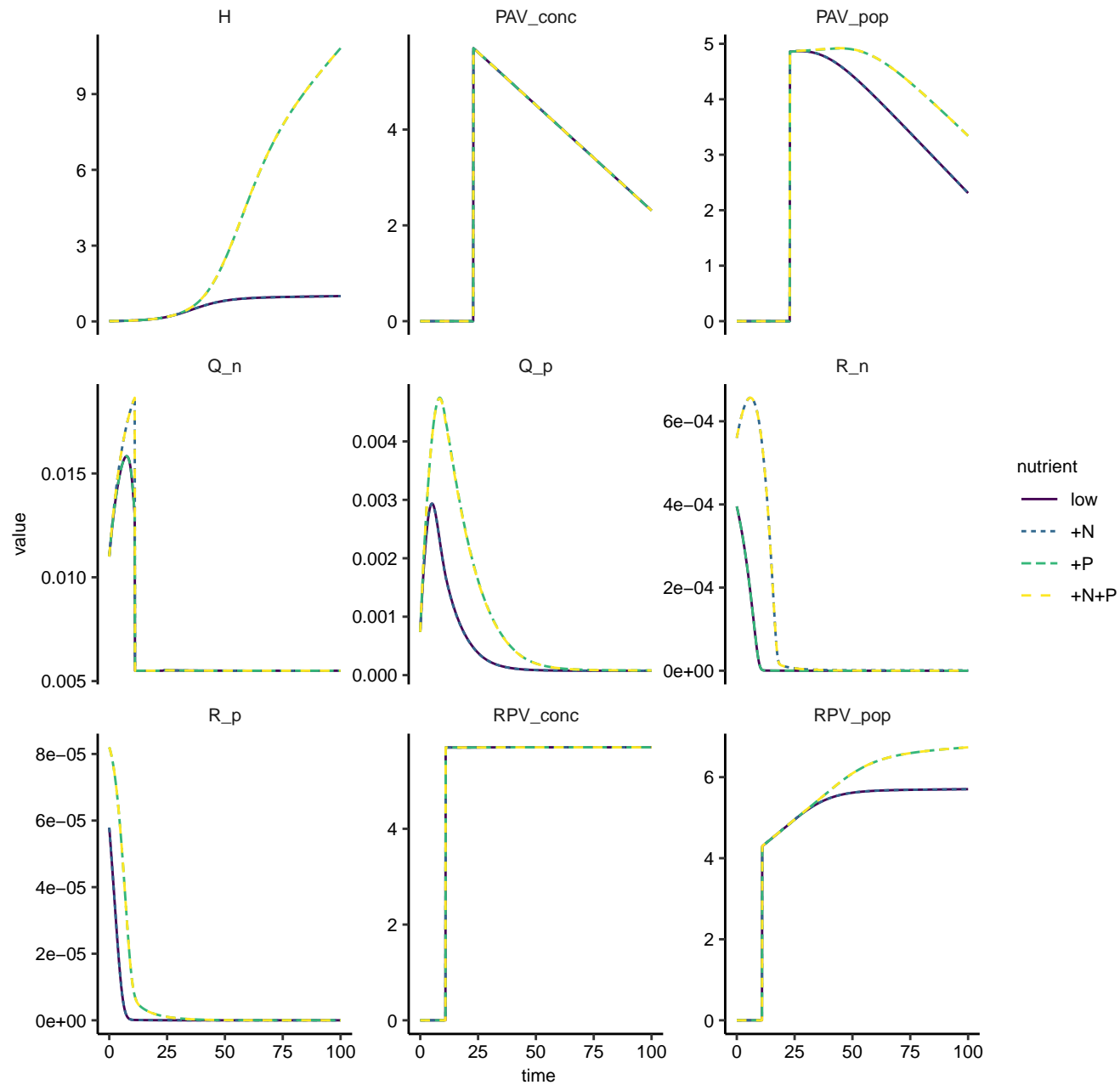
$z_nb = 1e-04$; $z_nc = 1e-06$



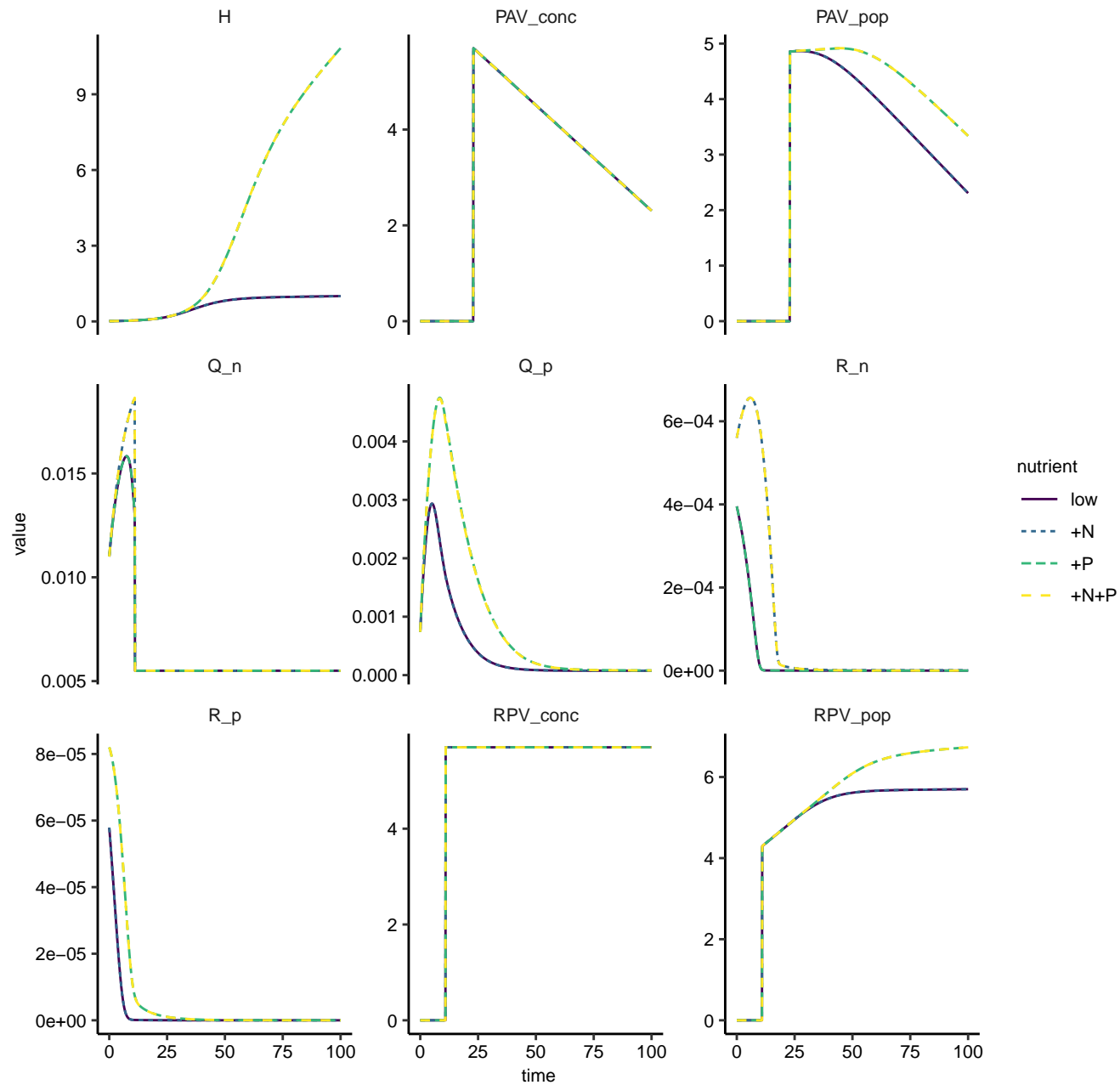
$z_nb = 1e-04$; $z_nc = 1e-04$



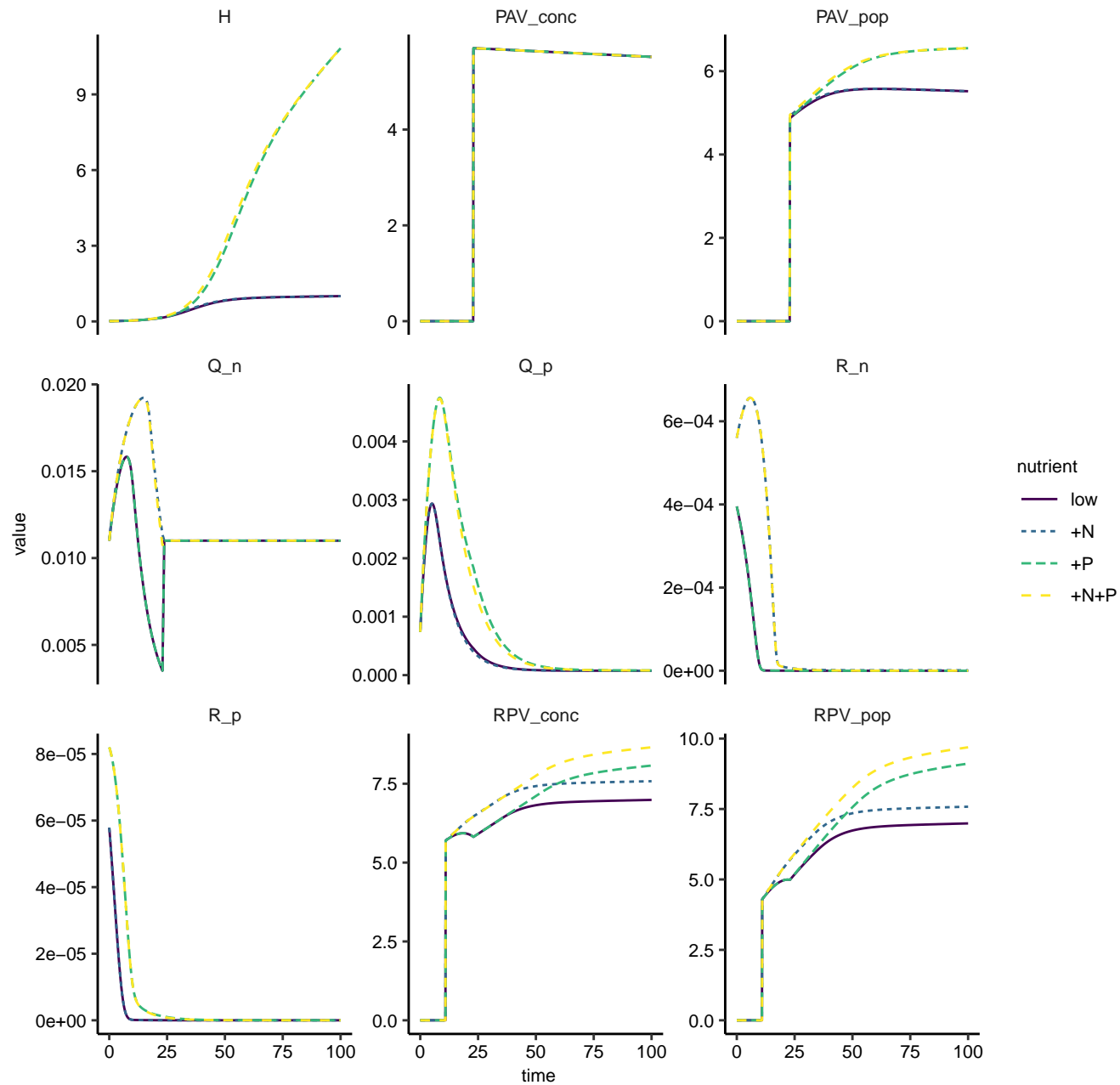
$z_{nb} = 1e-04$; $z_{nc} = 0.01$



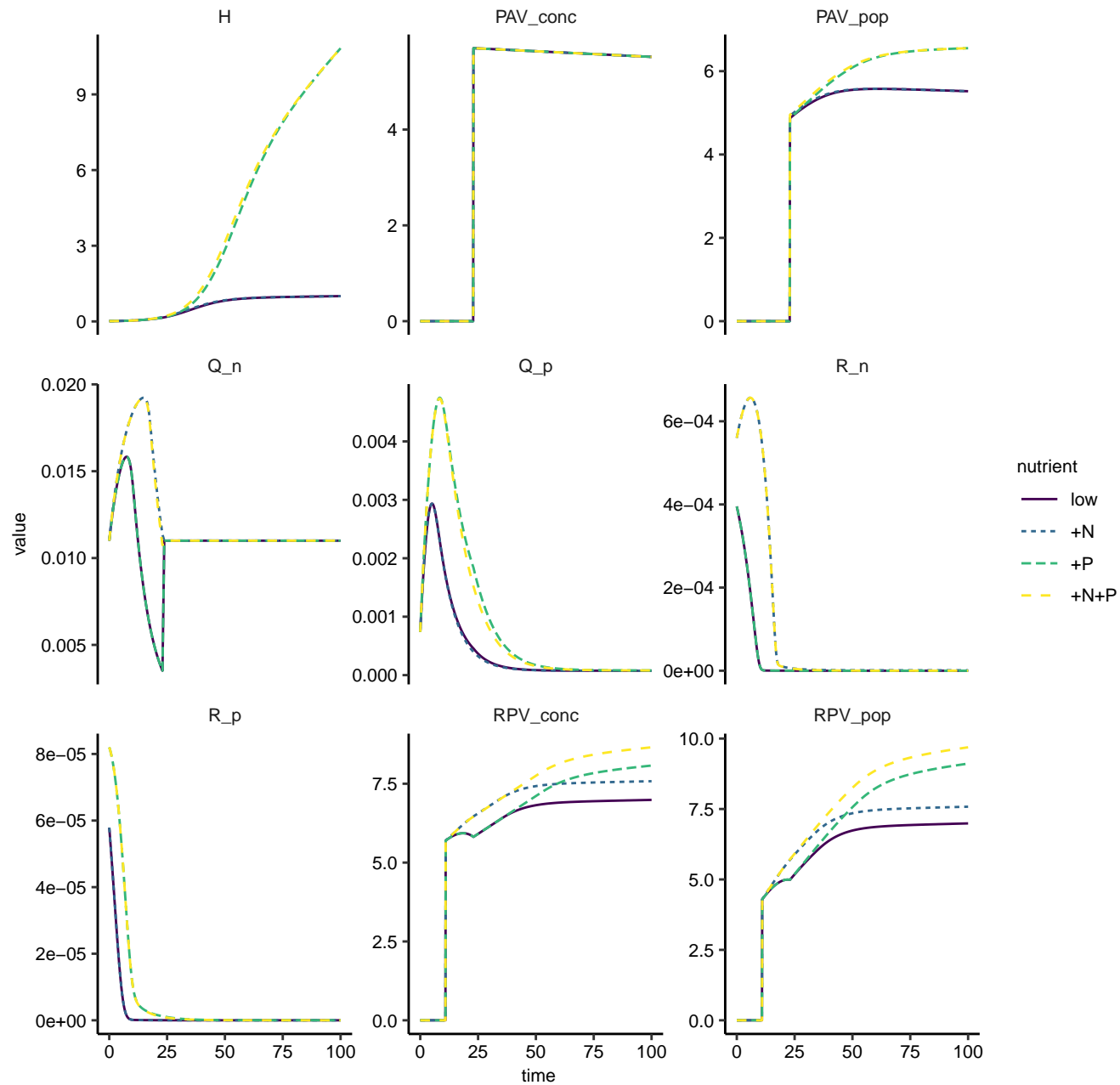
$z_{nb} = 1e-04$; $z_{nc} = 1$



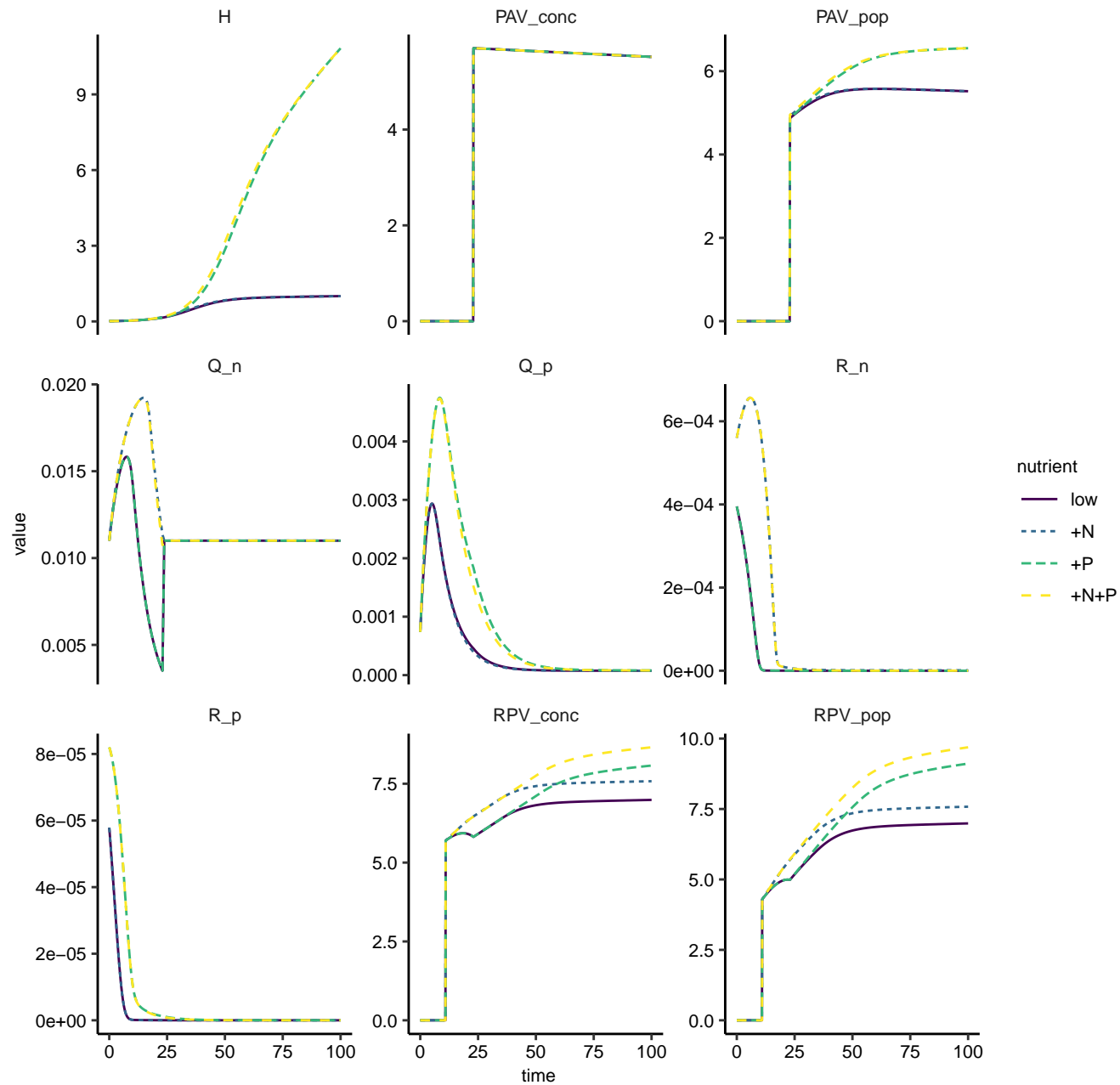
$z_nb = 0.01$; $z_nc = 1e-18$



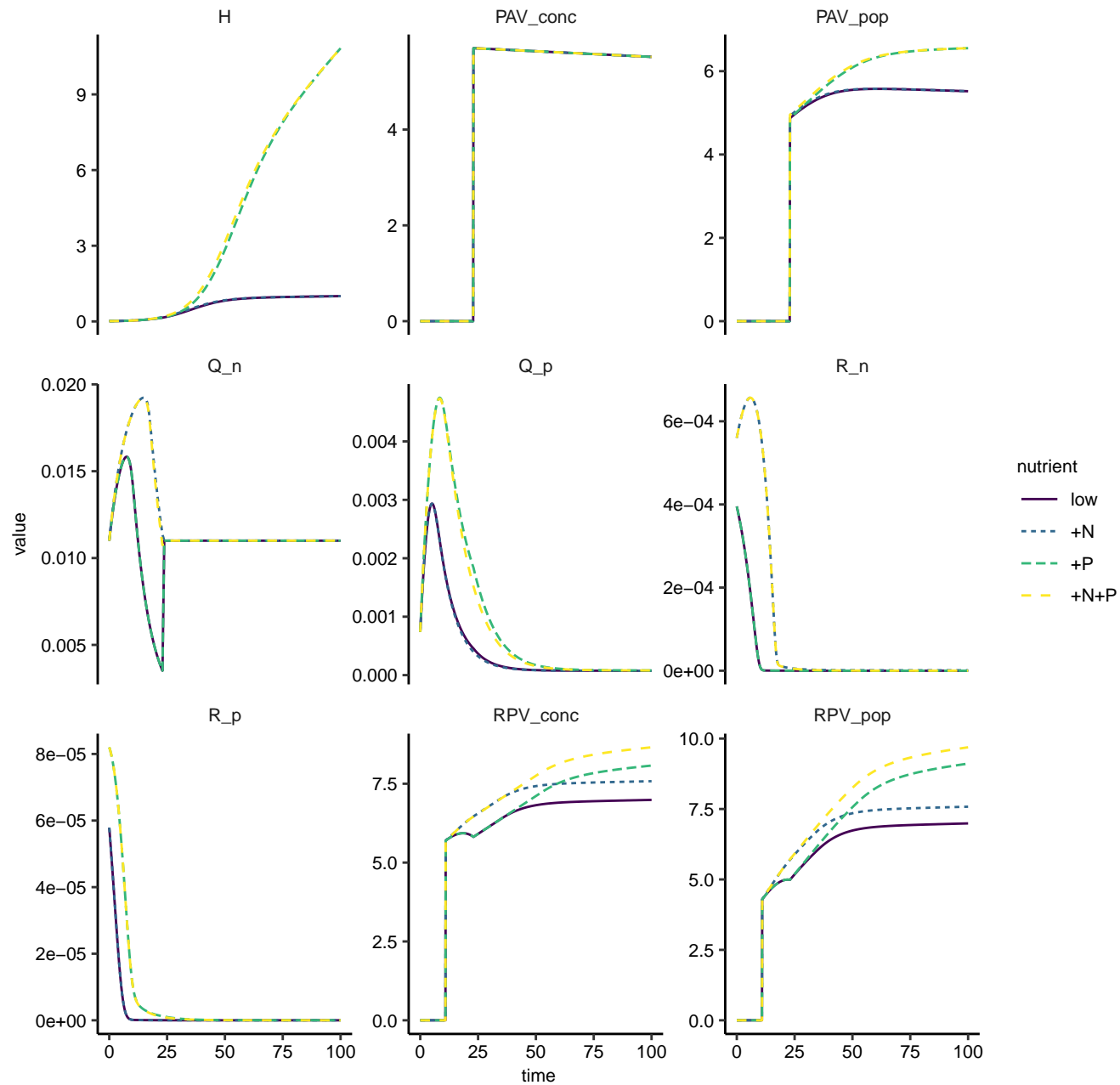
$z_nb = 0.01$; $z_nc = 1e-16$



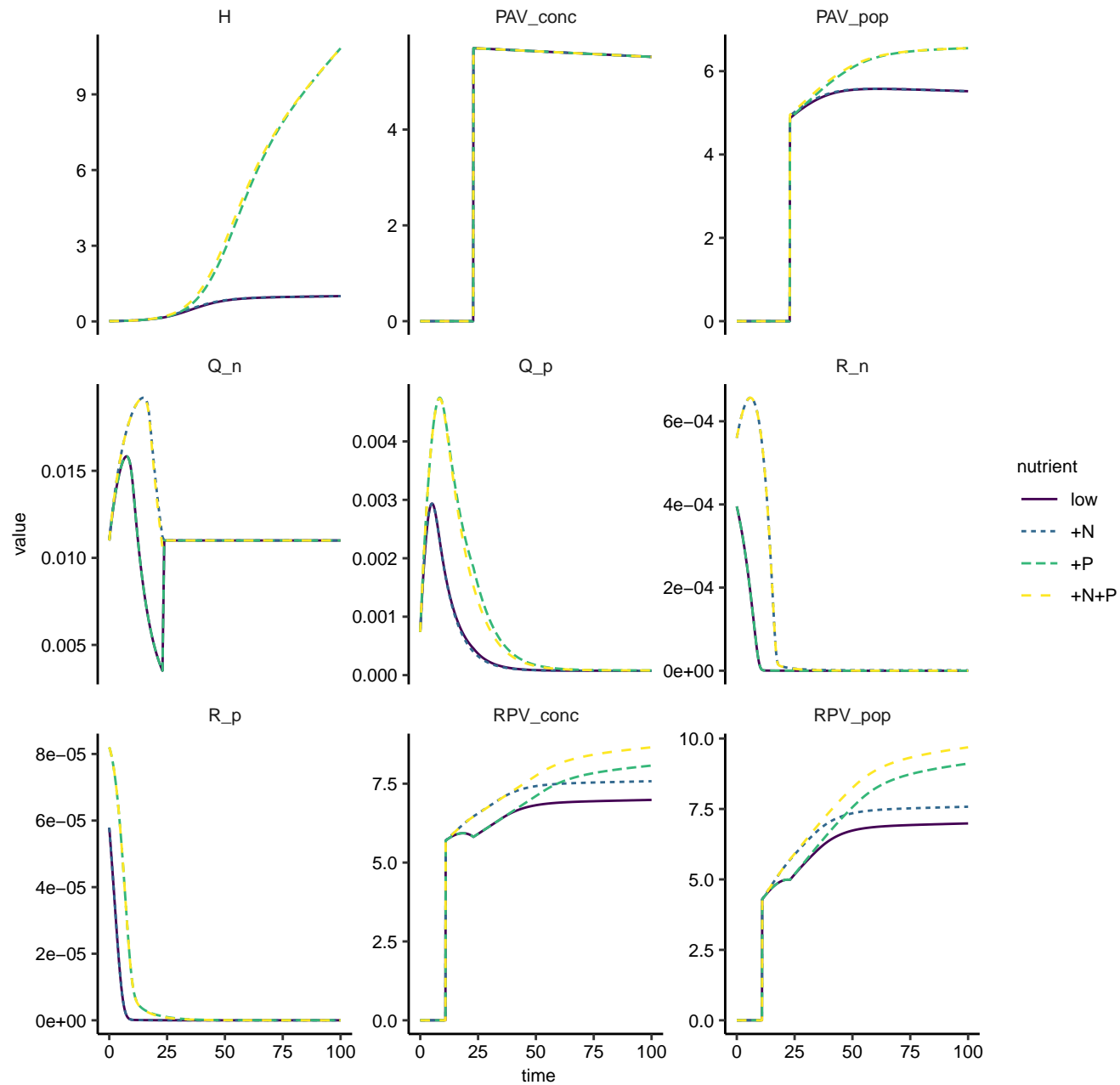
$z_nb = 0.01$; $z_nc = 1e-14$



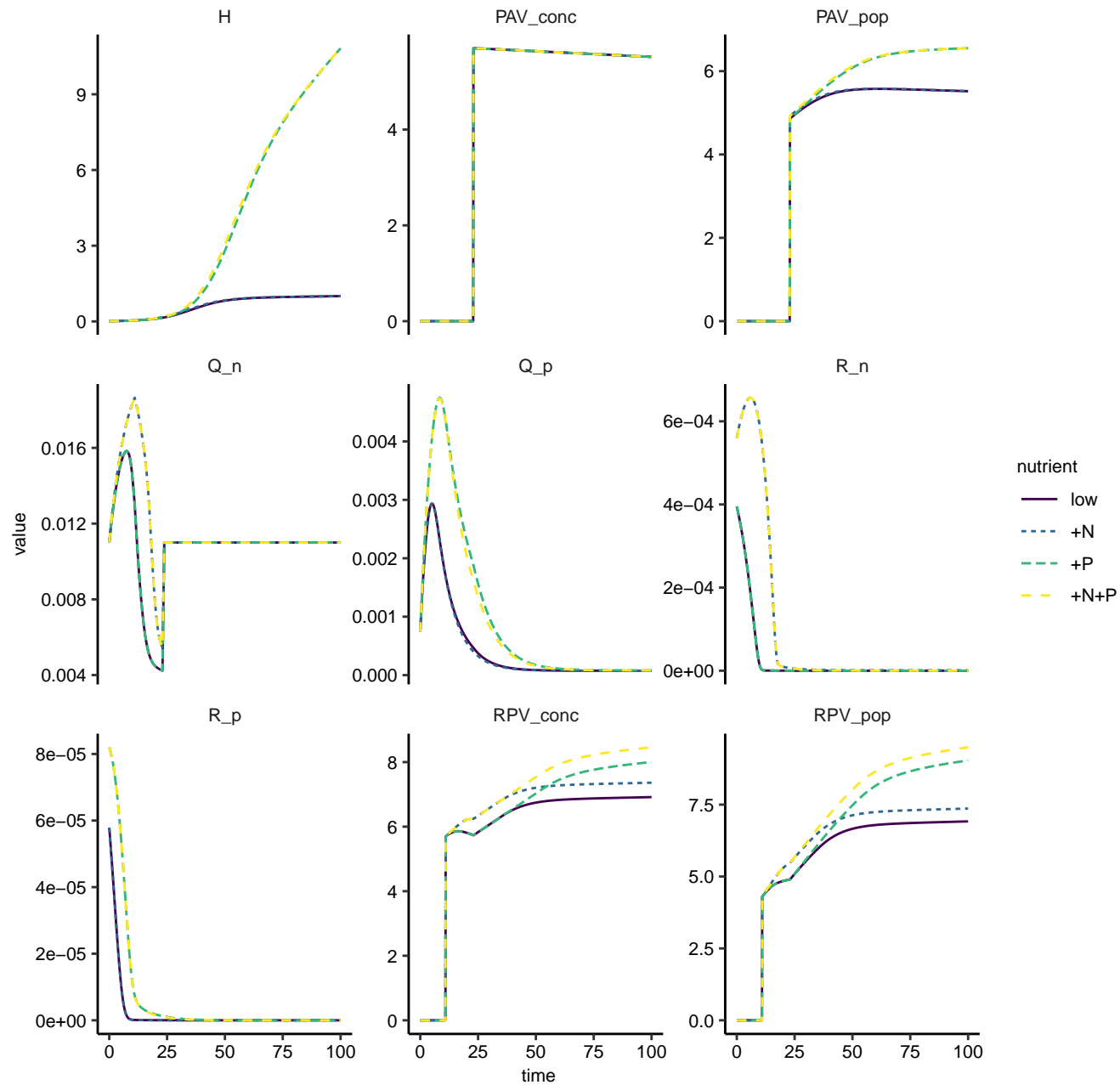
$z_nb = 0.01$; $z_nc = 1e-12$



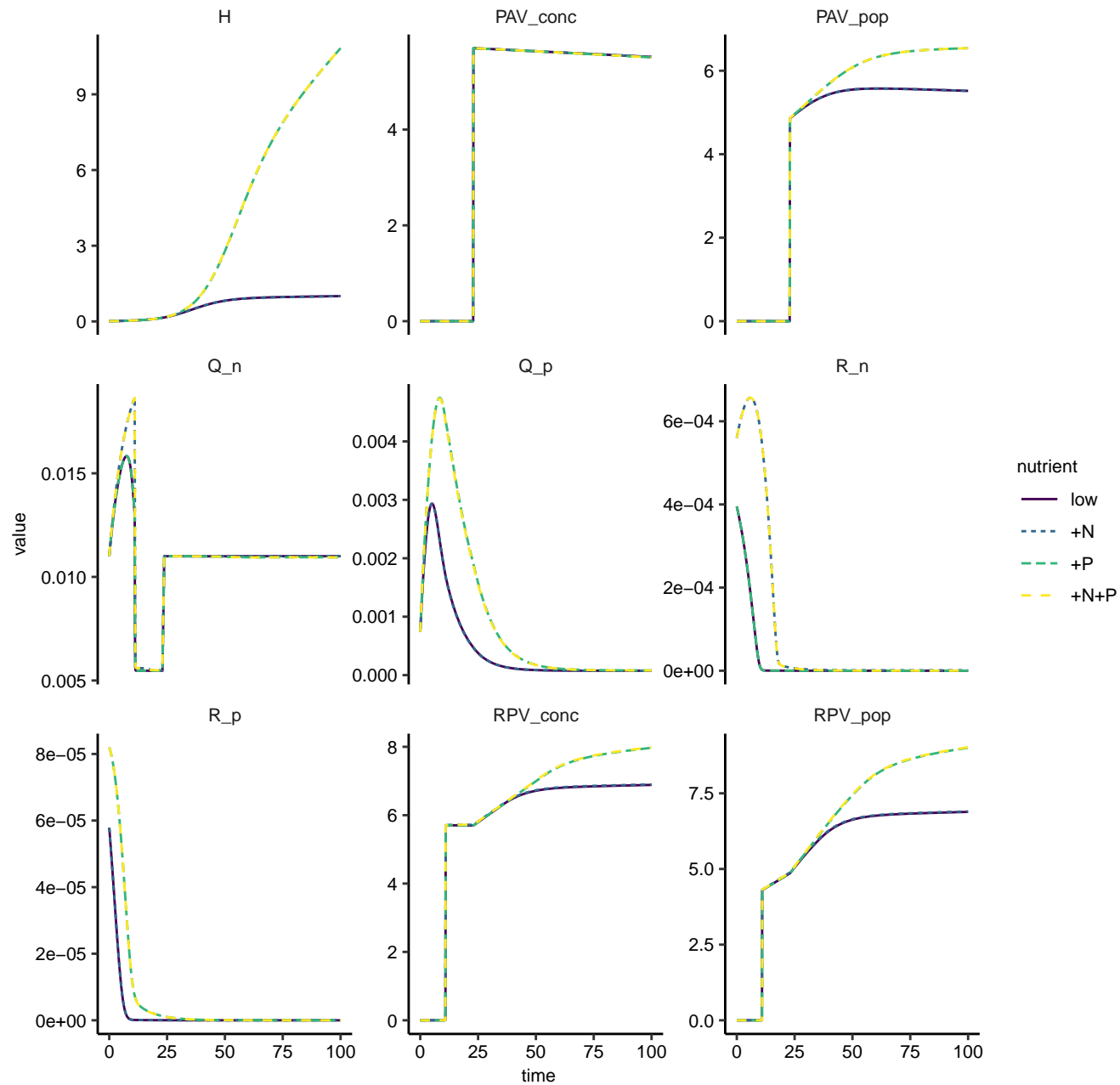
$z_nb = 0.01$; $z_nc = 1e-10$



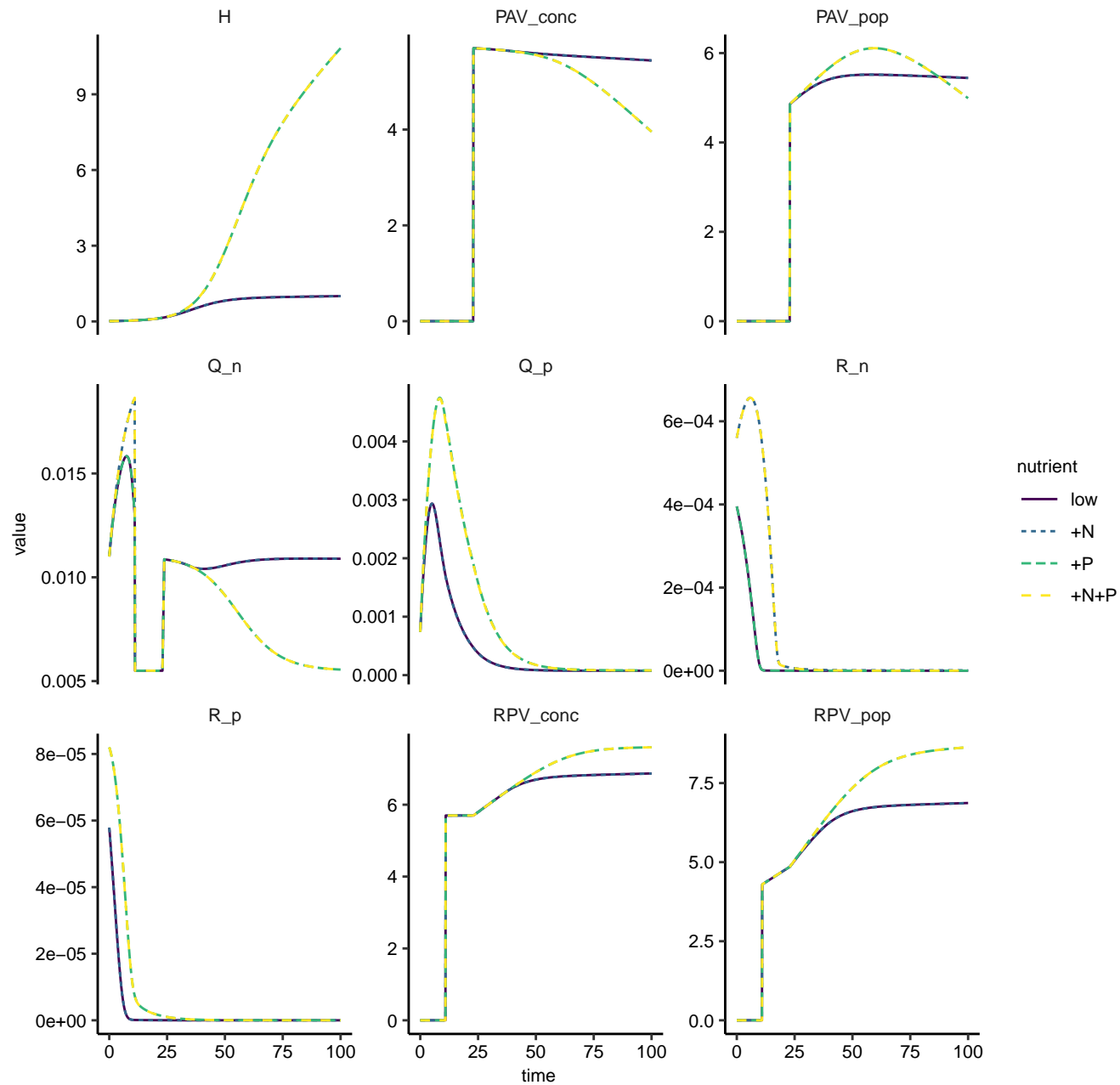
$z_nb = 0.01$; $z_nc = 1e-08$



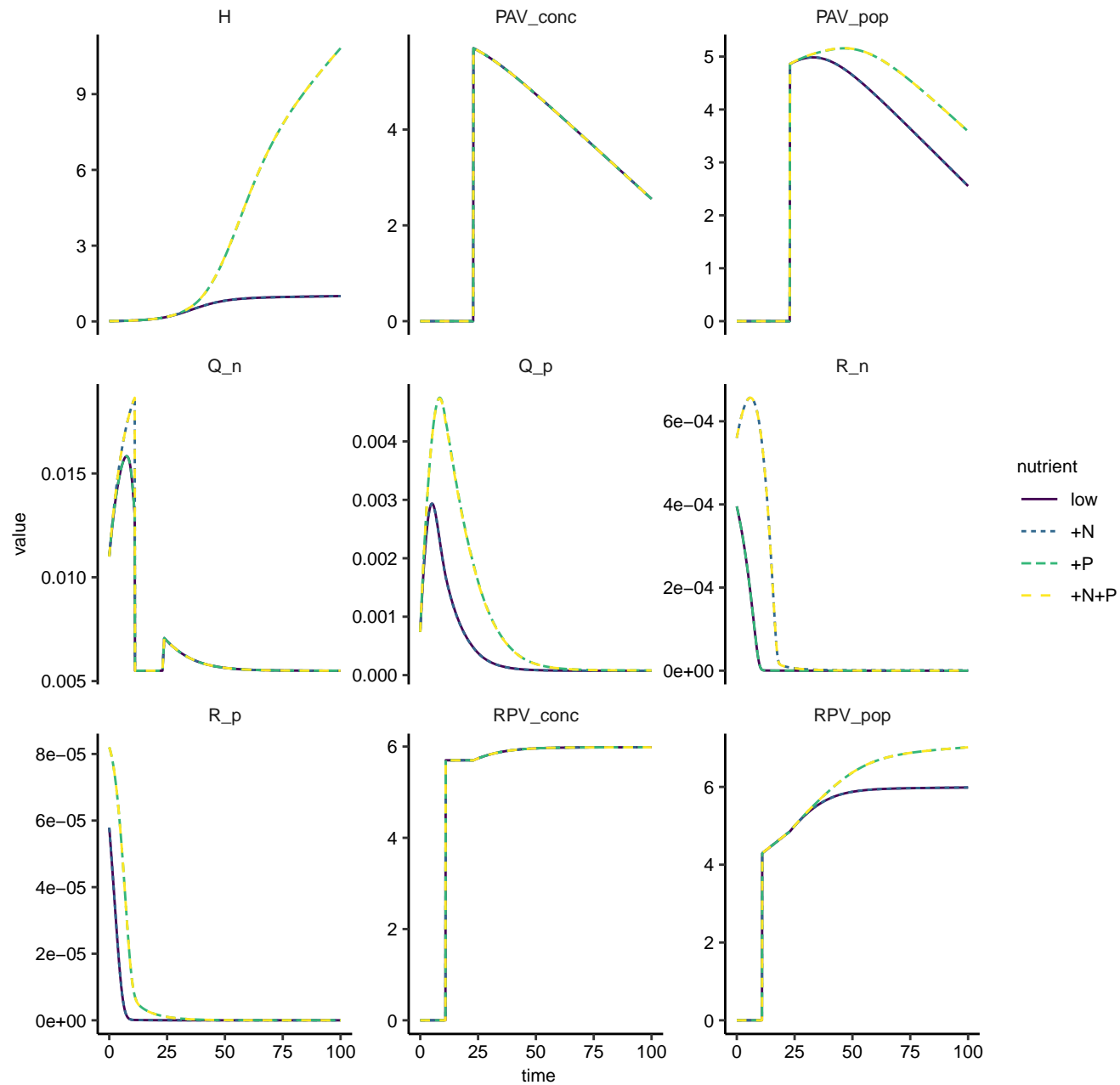
$z_{nb} = 0.01$; $z_{nc} = 1e-06$



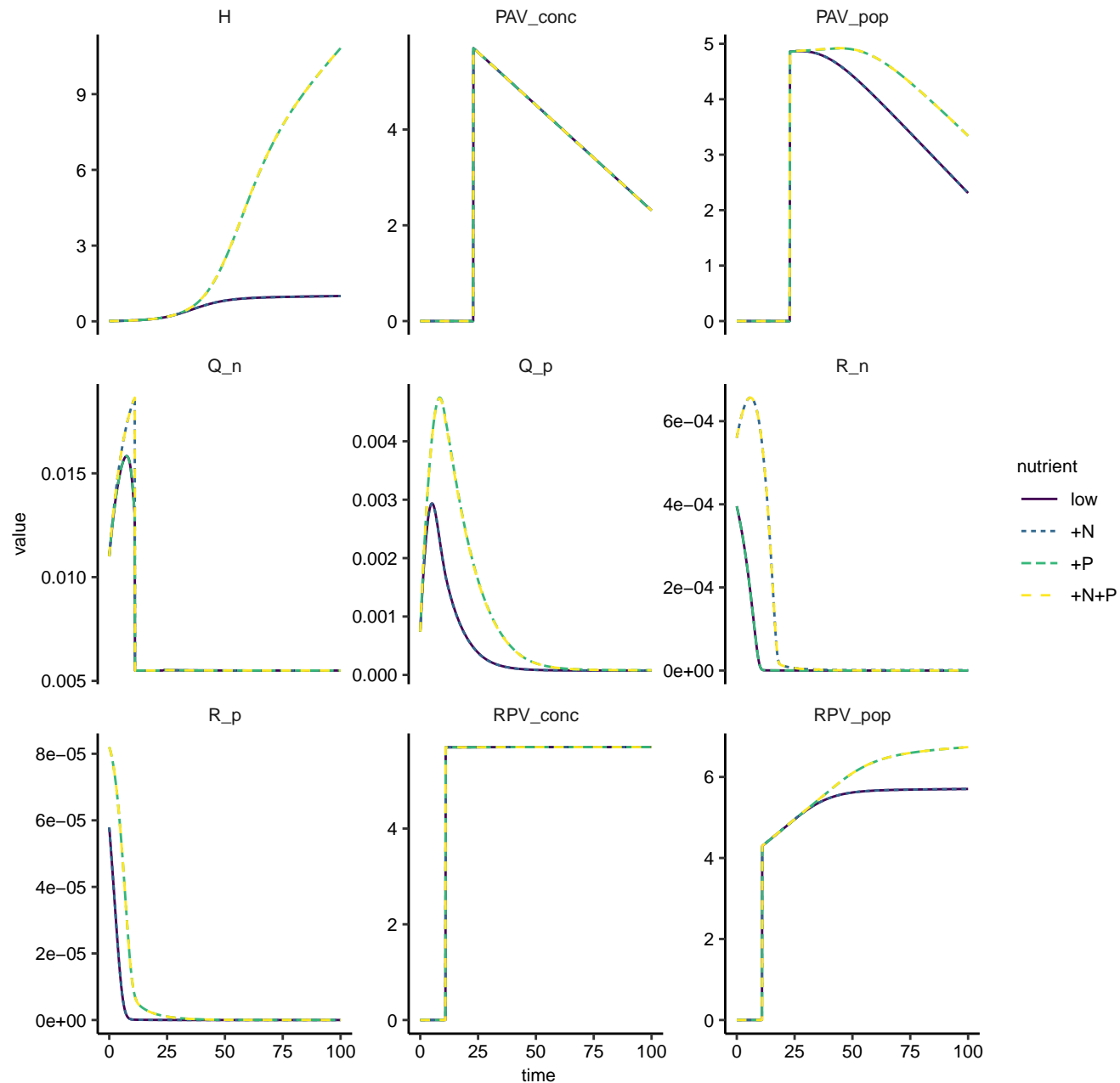
$z_nb = 0.01$; $z_nc = 1e-04$



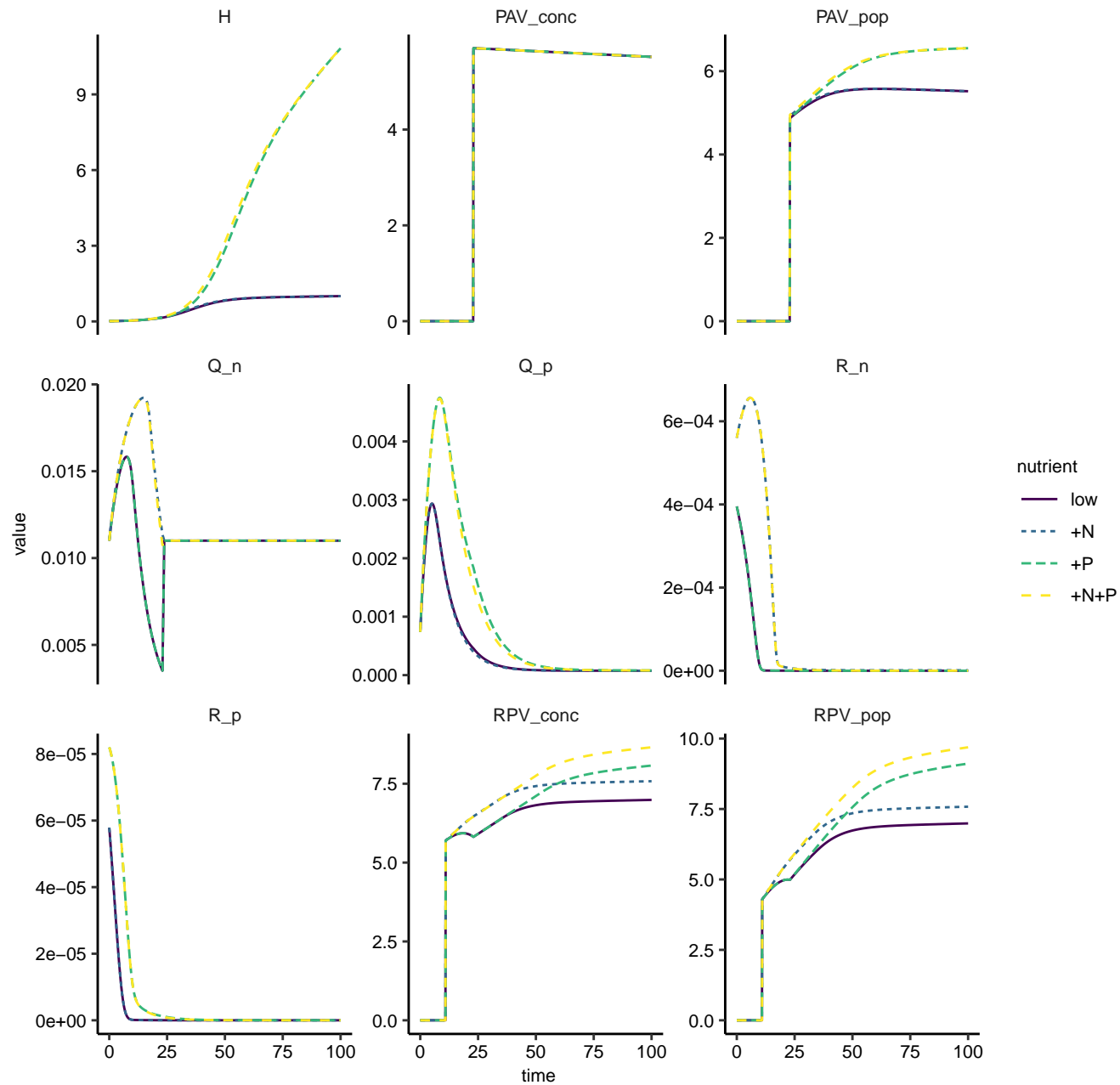
$z_{nb} = 0.01$; $z_{nc} = 0.01$



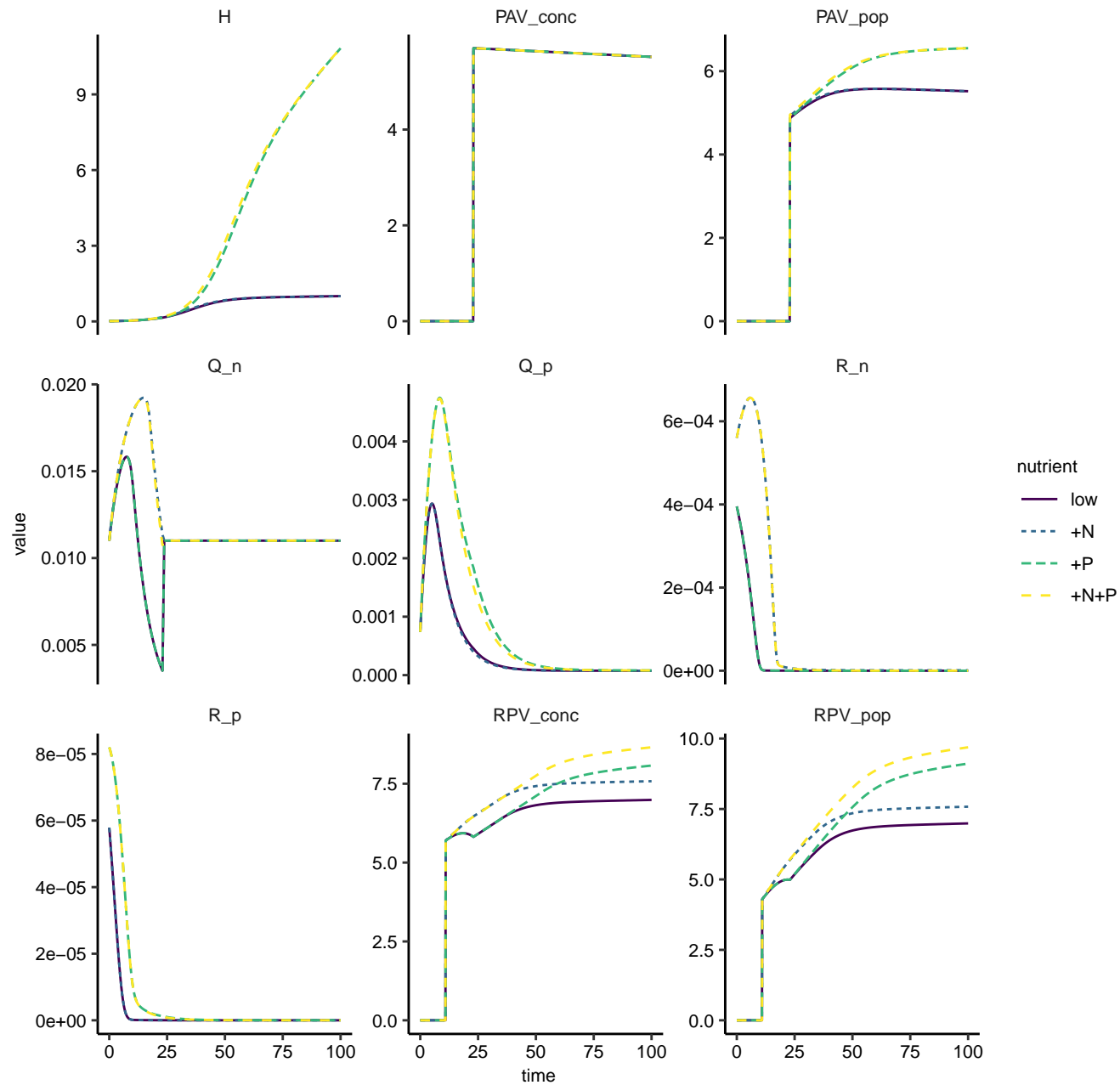
$z_{nb} = 0.01$; $z_{nc} = 1$



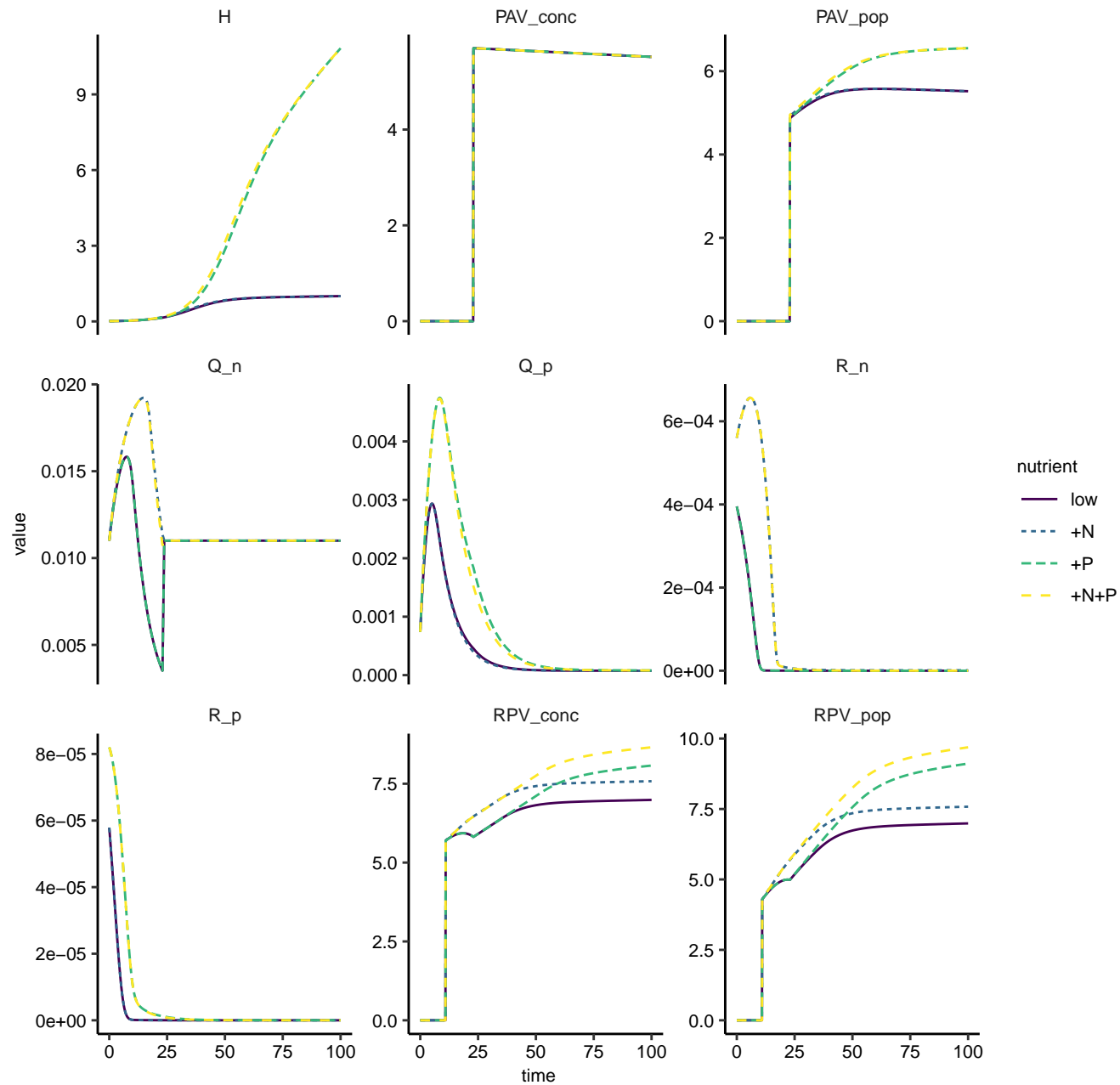
$z_nb = 1$; $z_nc = 1e-18$



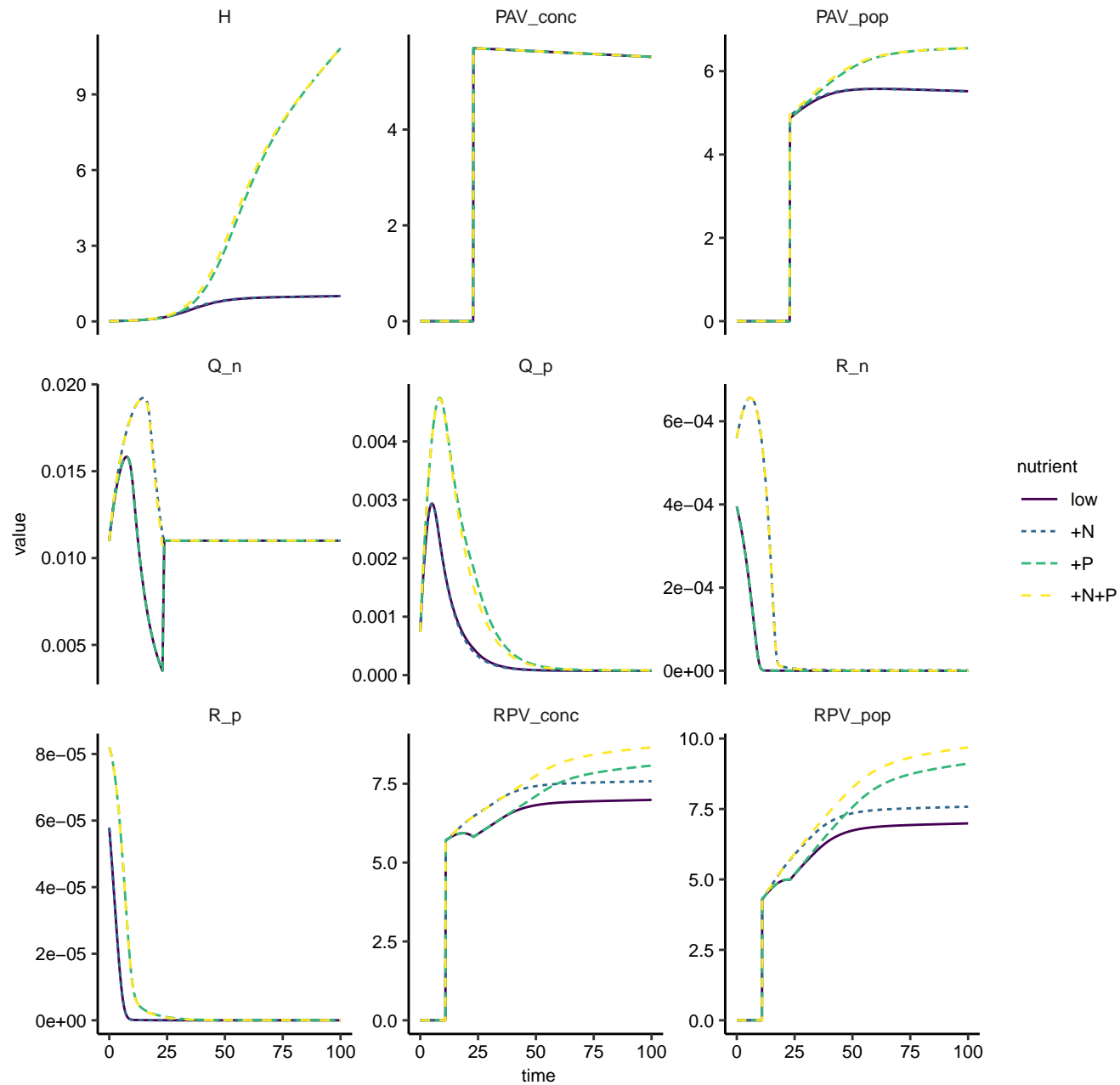
$z_nb = 1$; $z_nc = 1e-16$



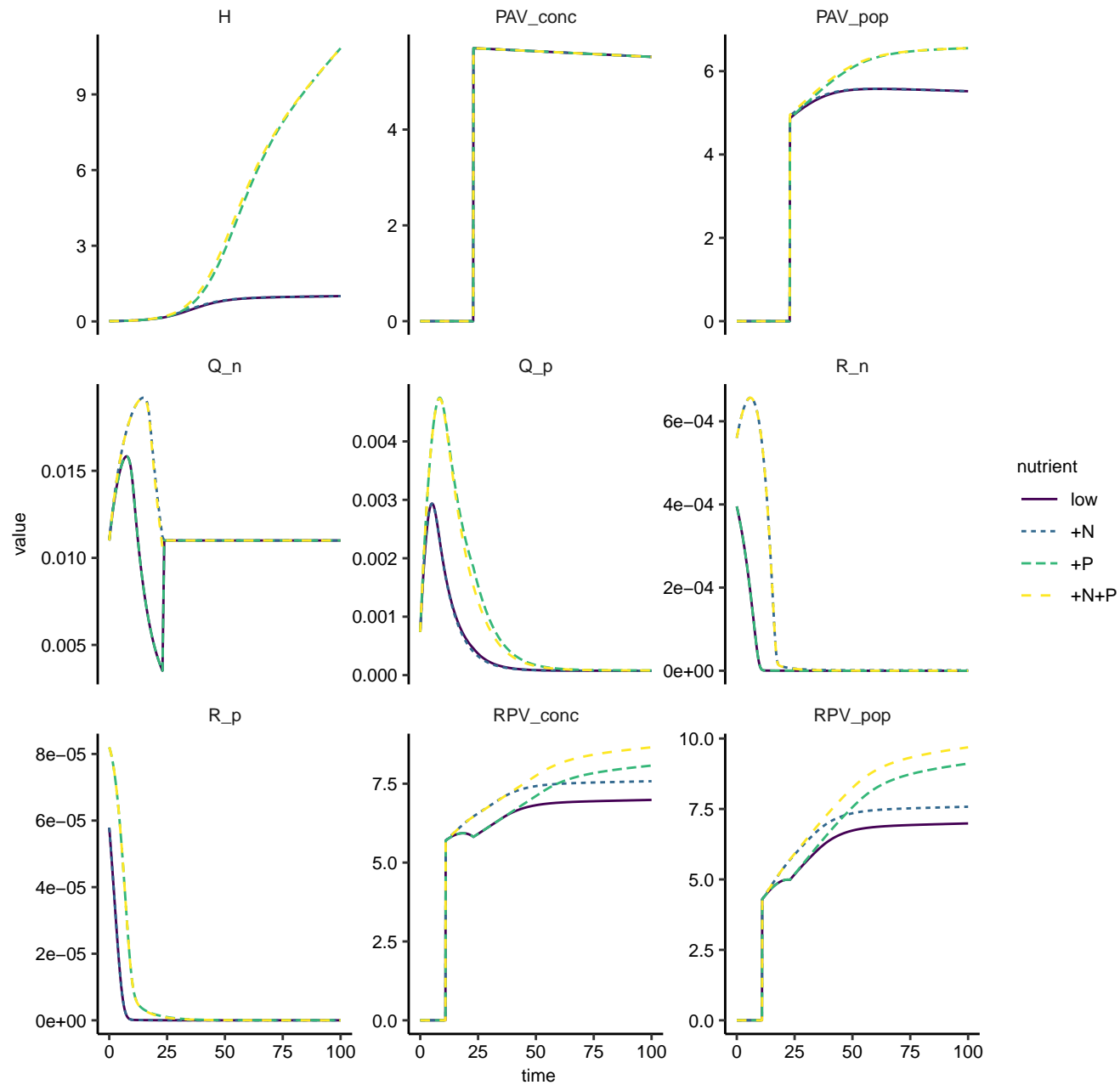
$z_nb = 1$; $z_nc = 1e-14$



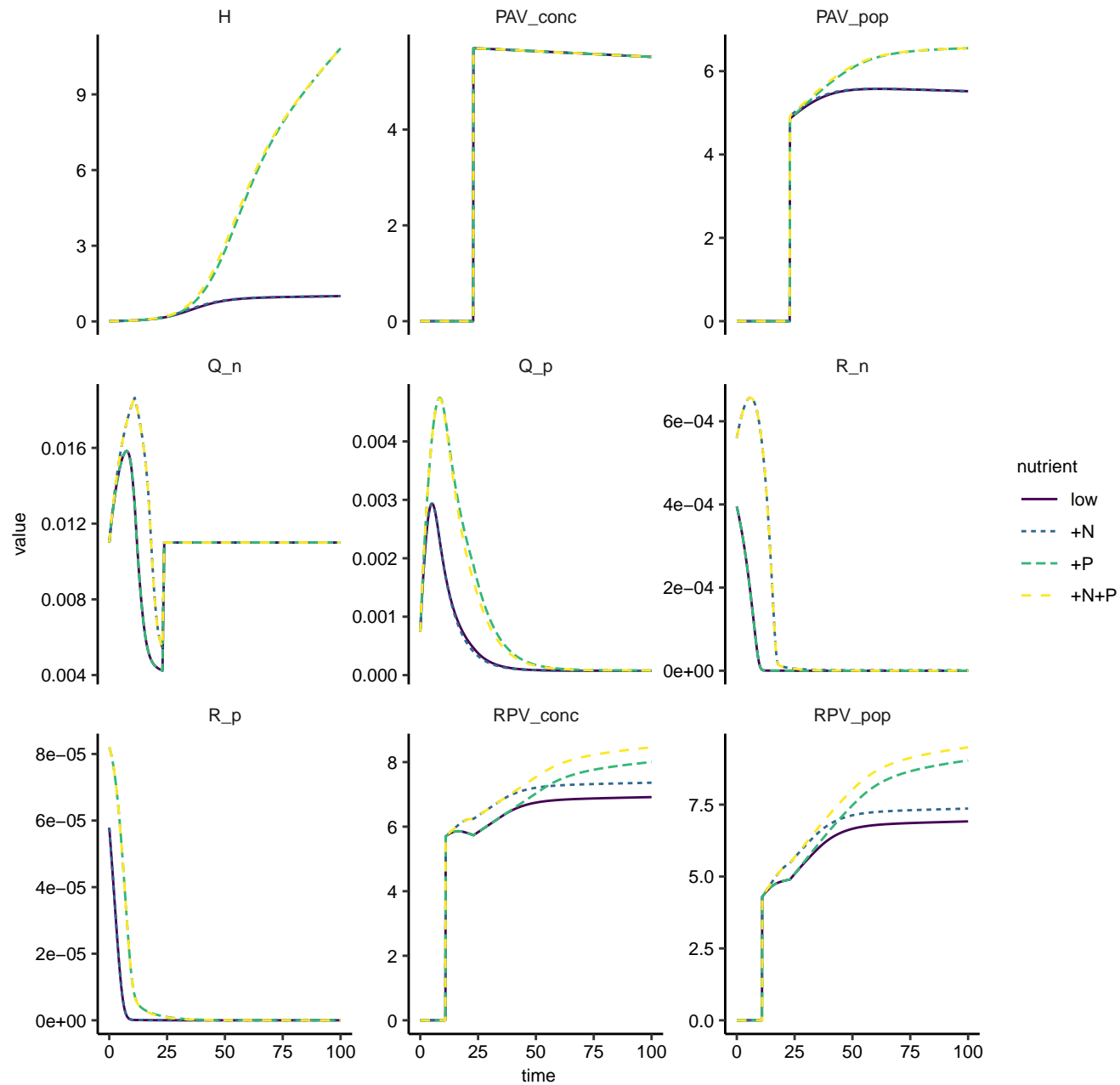
$z_nb = 1$; $z_nc = 1e-12$



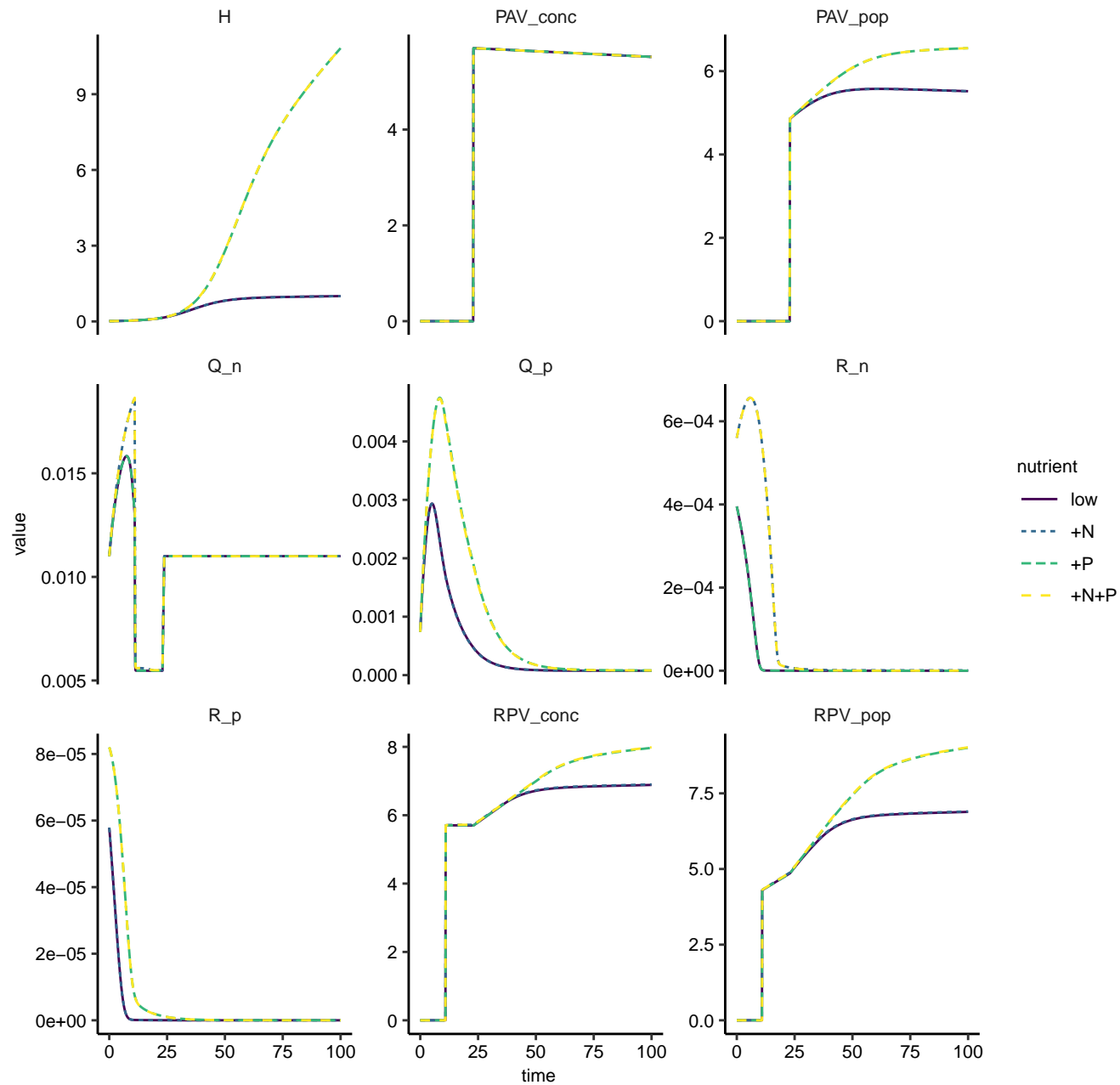
$z_nb = 1$; $z_nc = 1e-10$



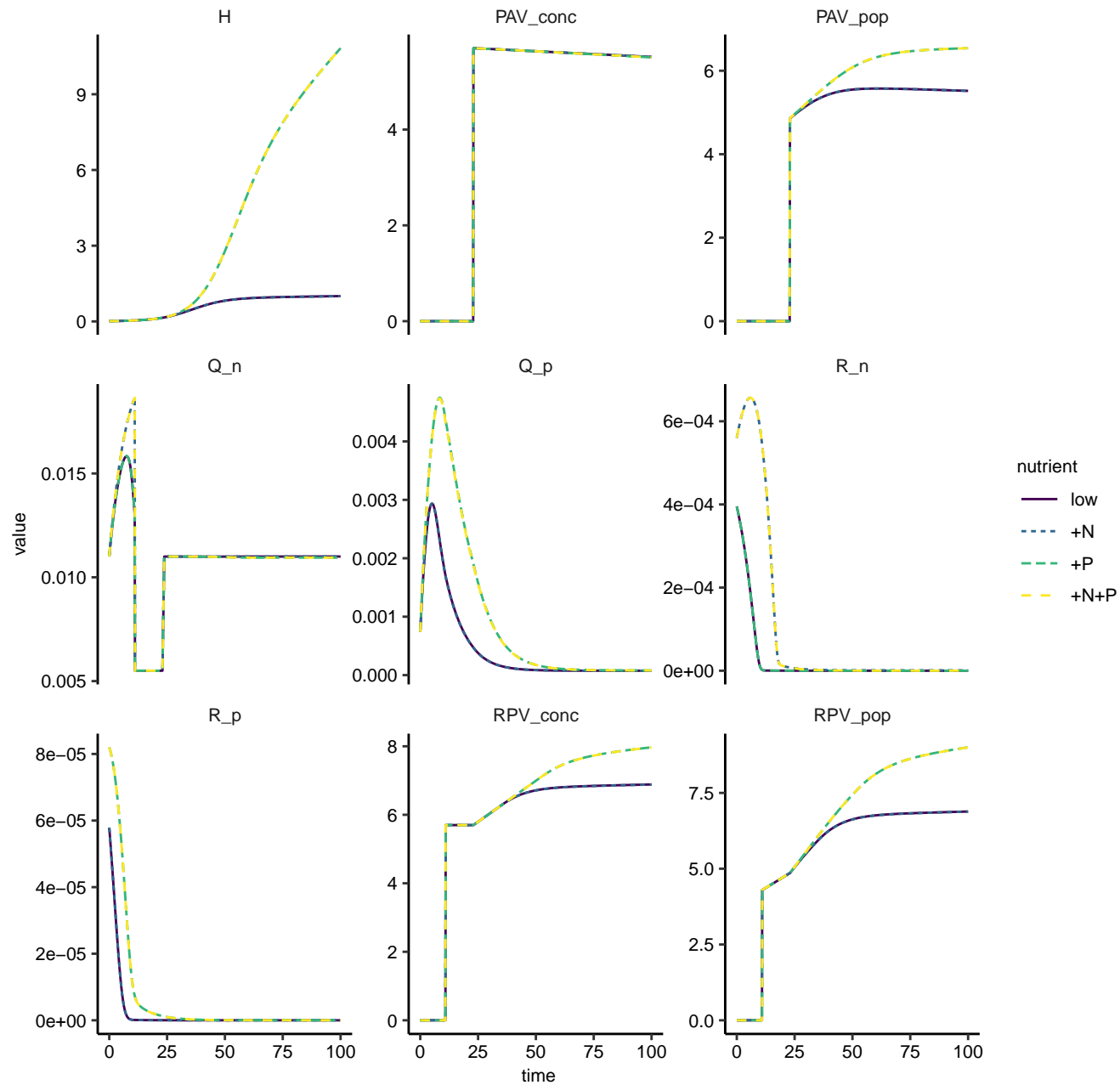
$z_nb = 1; z_nc = 1e-08$



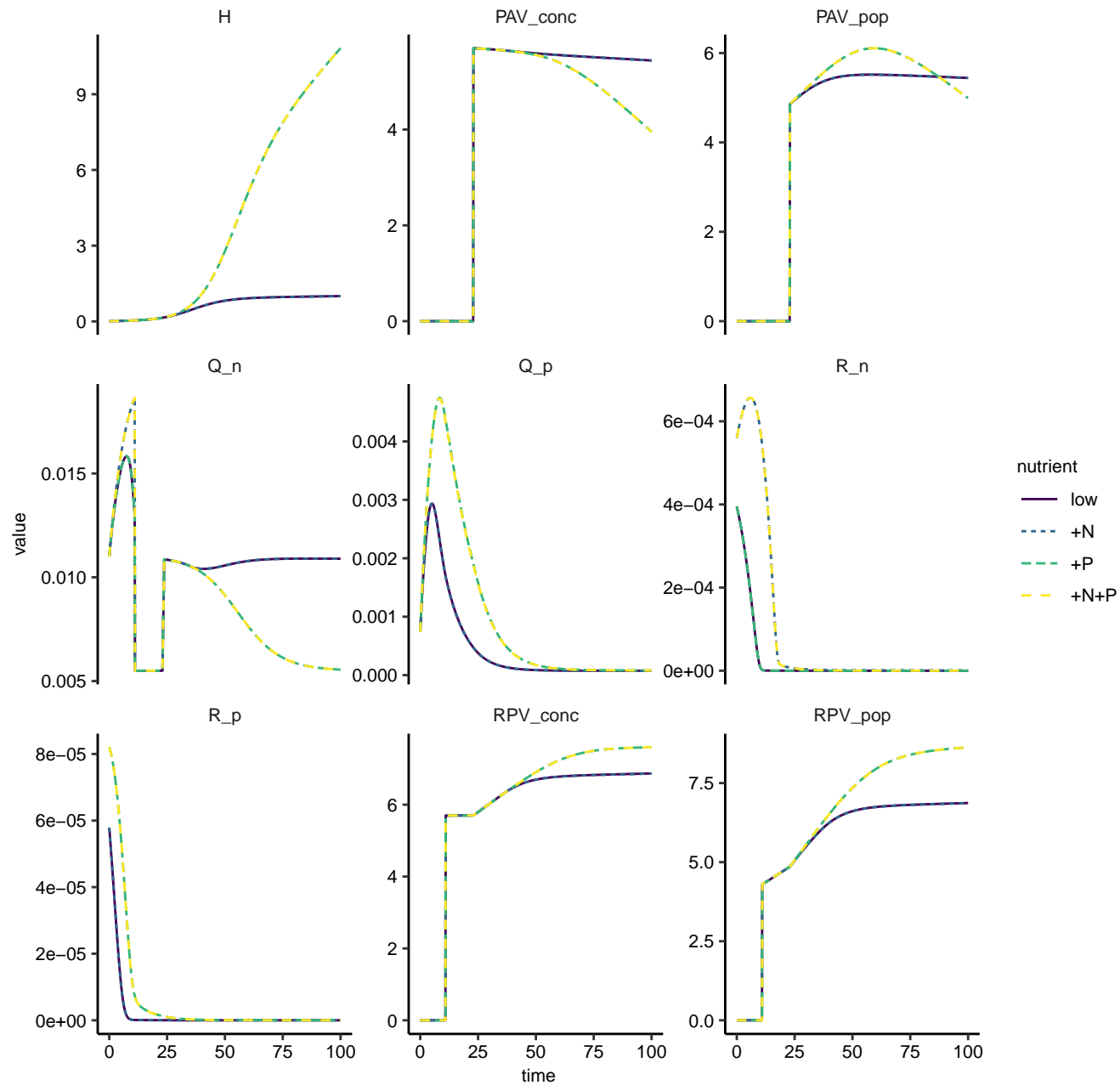
$z_nb = 1$; $z_nc = 1e-06$



$z_nb = 1; z_nc = 1e-04$



$z_nb = 1$; $z_nc = 0.01$



$z_nb = 1$; $z_nc = 1$

