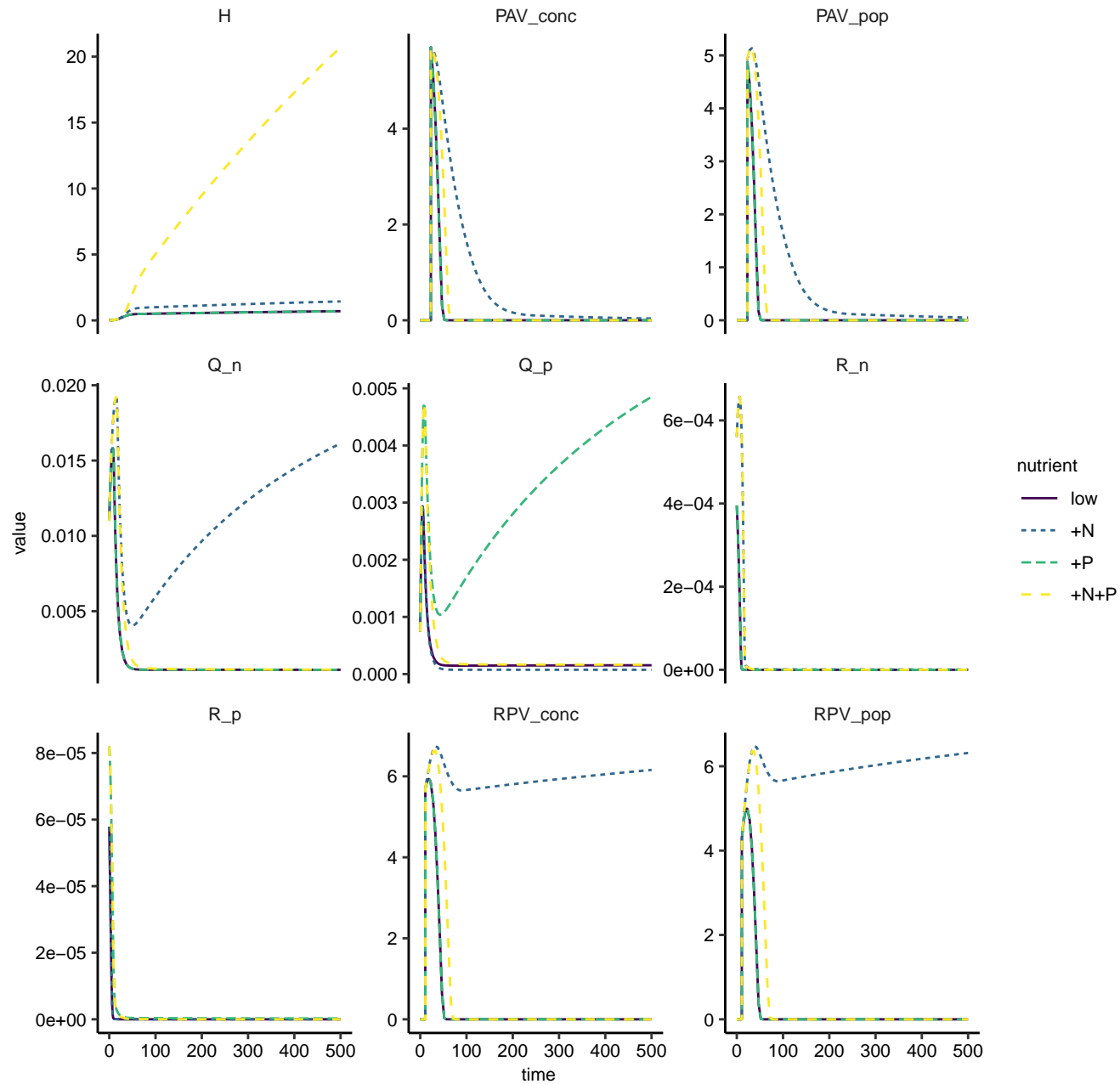
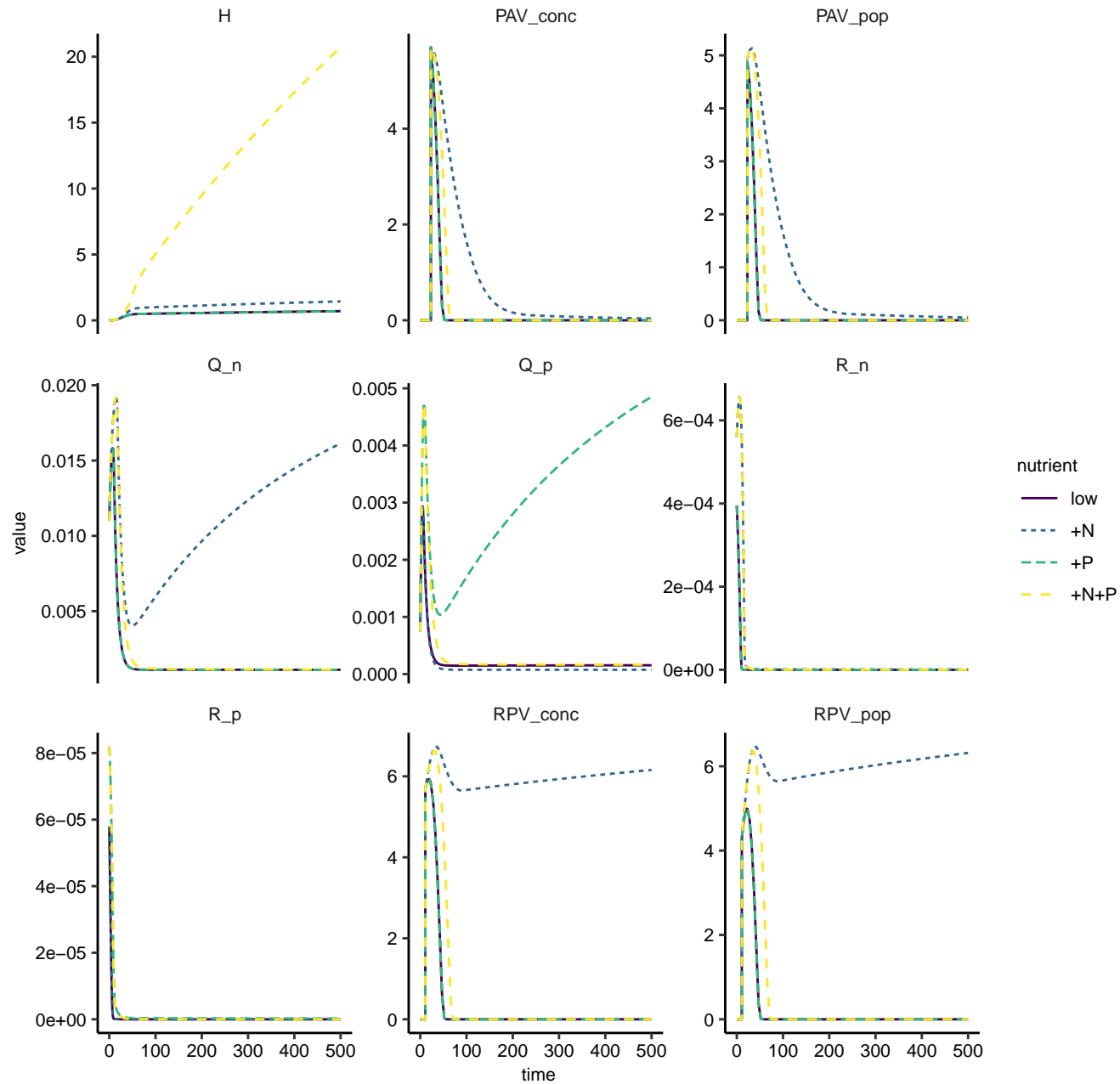


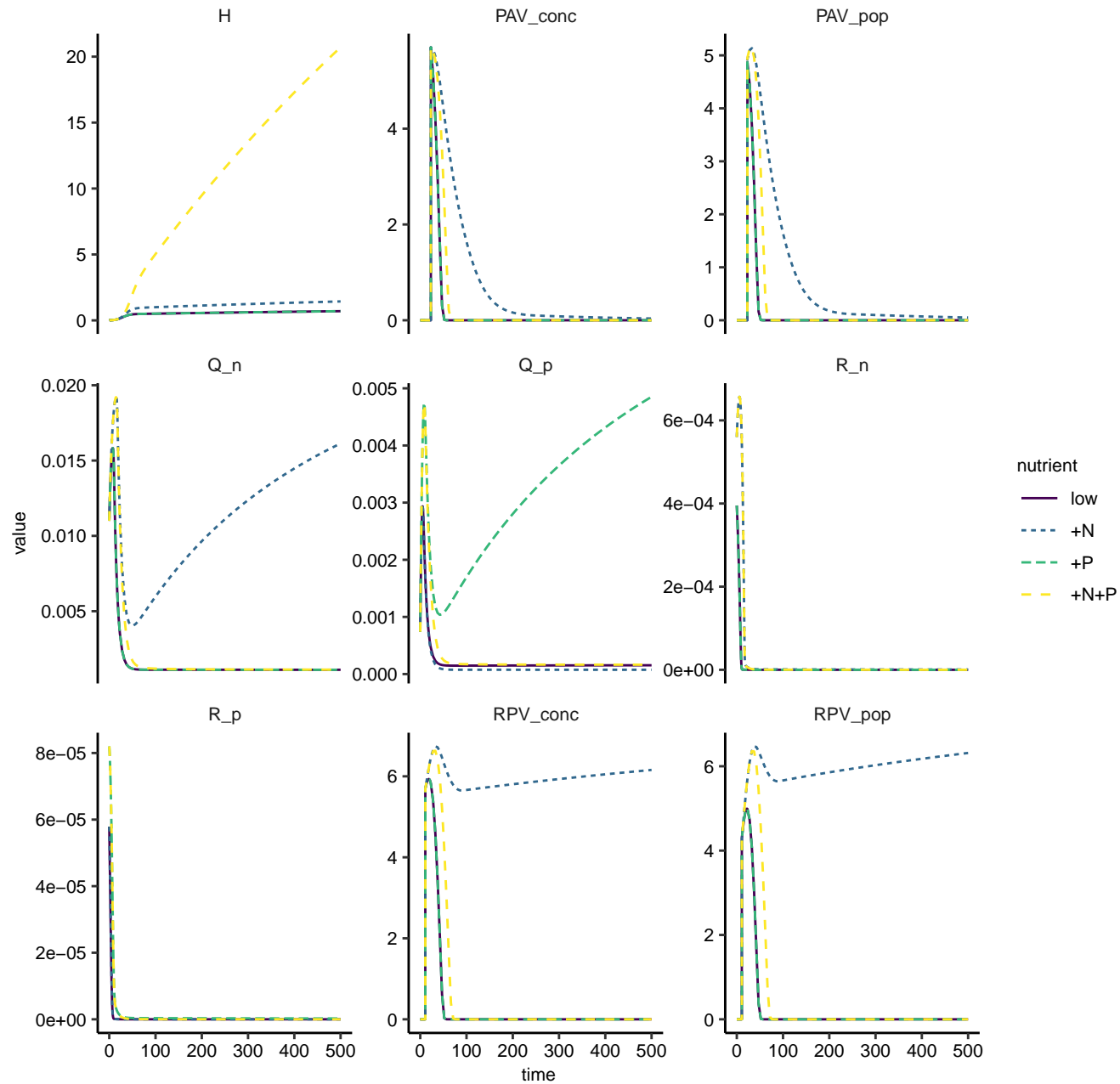
$z_nb = 1e-18$; $z_nc = 1e-18$



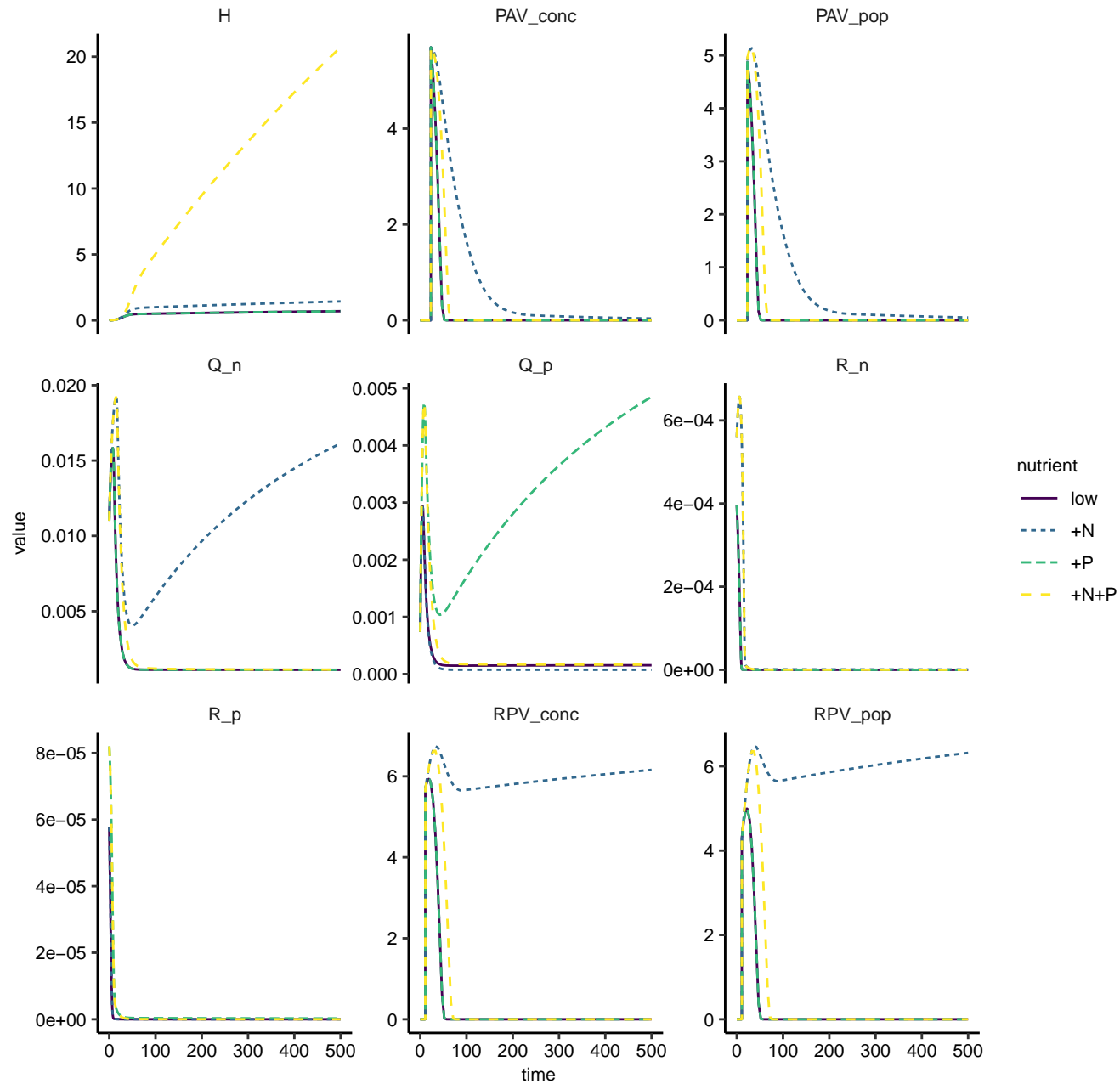
$z_nb = 1e-18$; $z_nc = 1e-16$



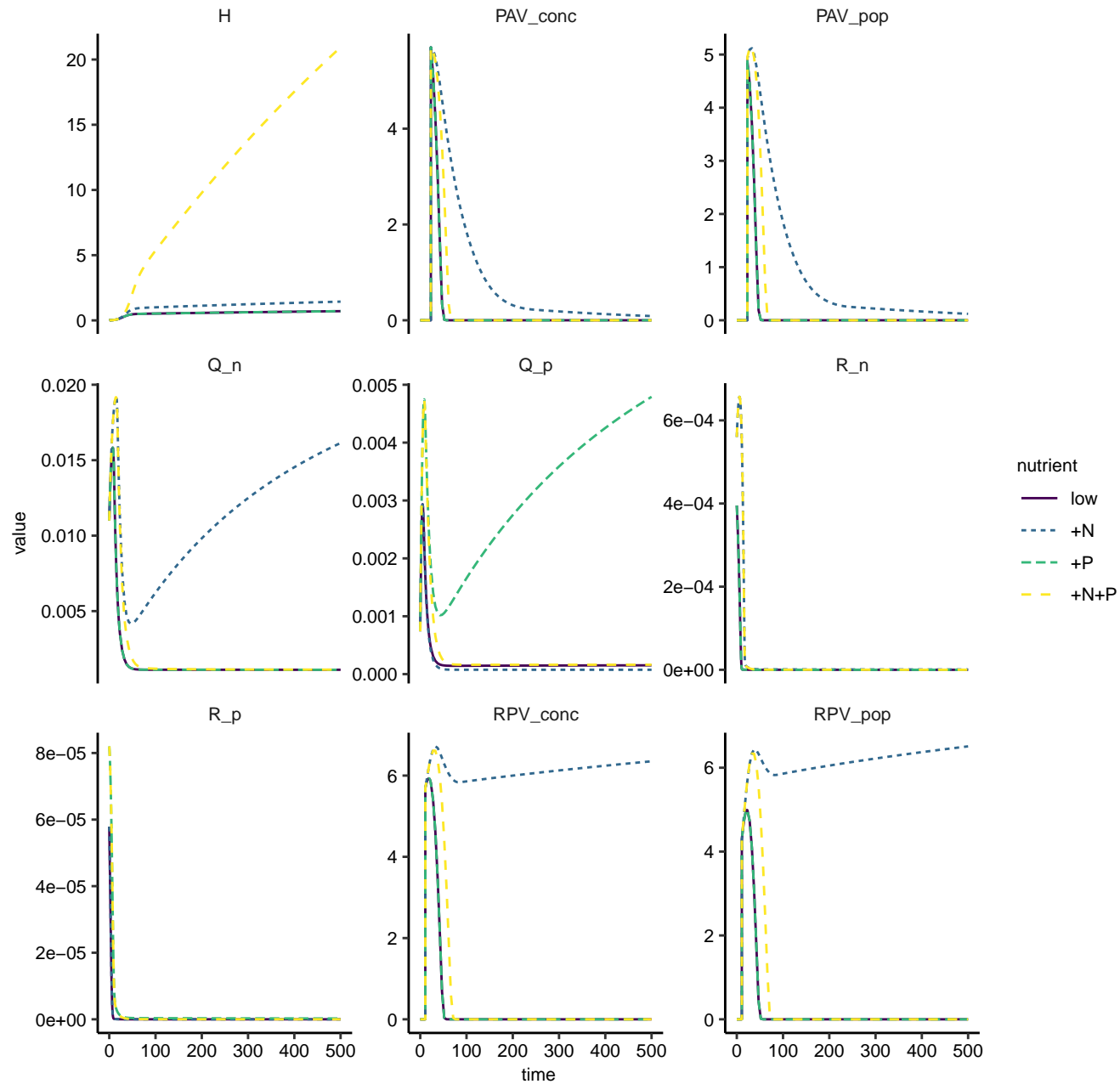
$z_nb = 1e-18$; $z_nc = 1e-14$



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

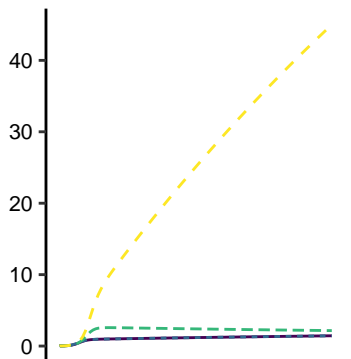


$z_nb = 1e-18$; $z_nc = 1e-10$

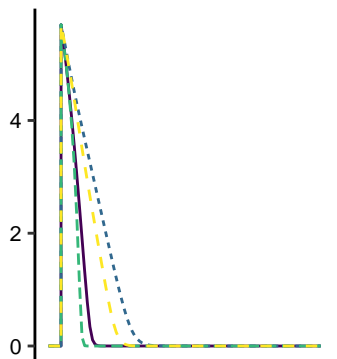


$z_nb = 1e-18$; $z_nc = 1e-08$

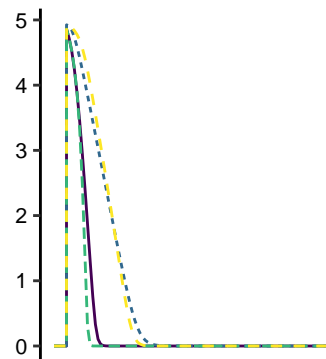
H



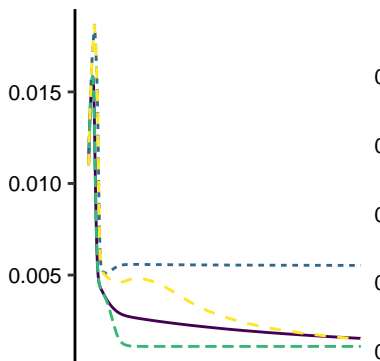
PAV_conc



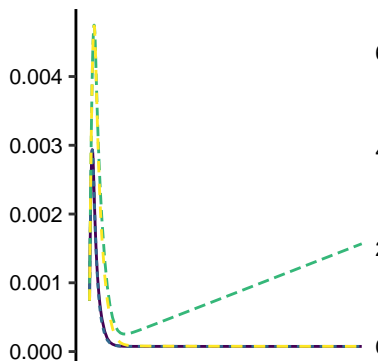
PAV_pop



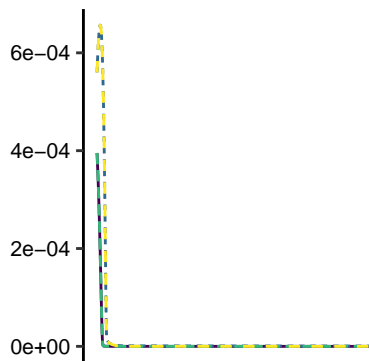
Q_n



Q_p



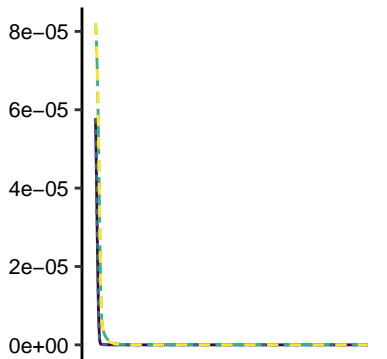
R_n



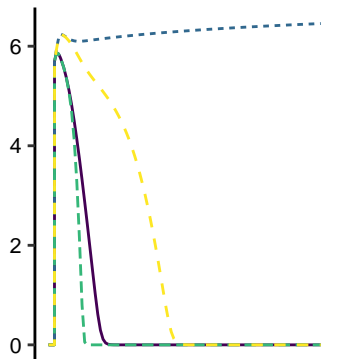
nutrient

low
+N
+P
+N+P

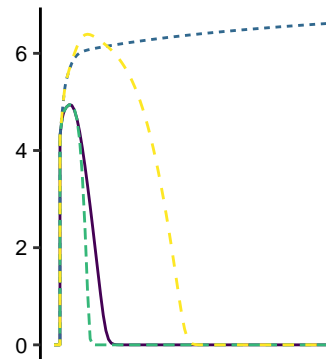
R_p



RPV_conc



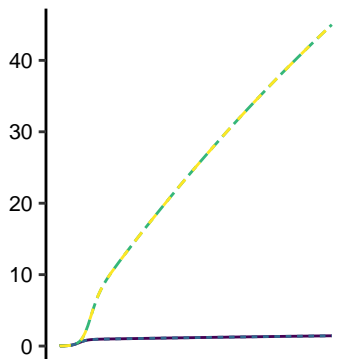
RPV_pop



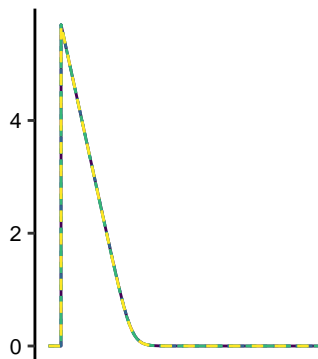
time

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

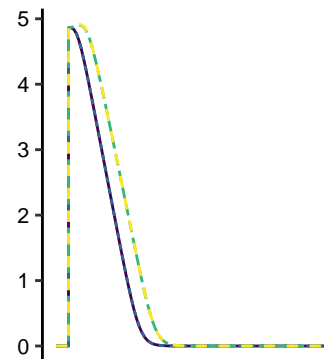
H



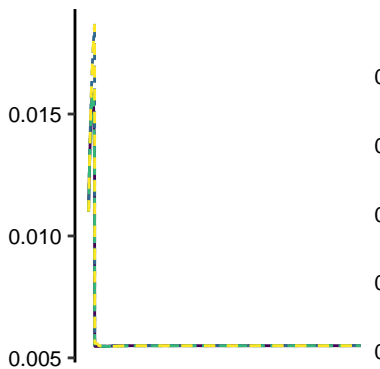
PAV_conc



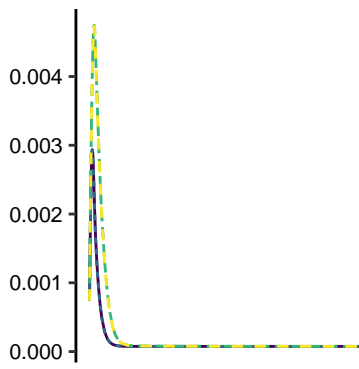
PAV_pop



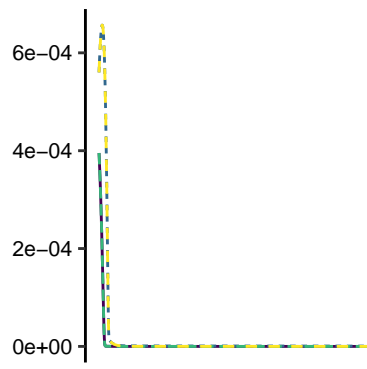
Q_n



Q_p



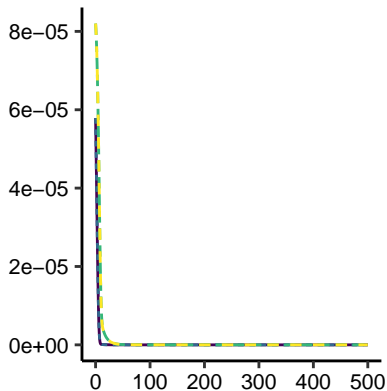
R_n



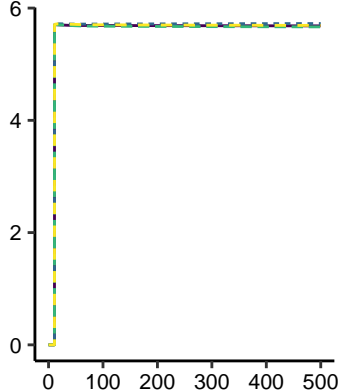
nutrient

low
+N
+P
+N+P

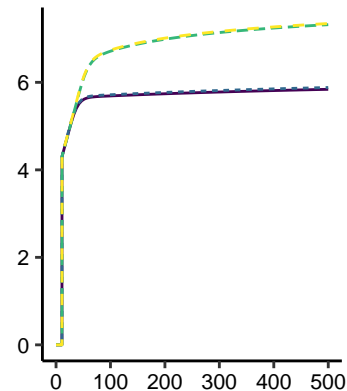
R_p



RPV_conc



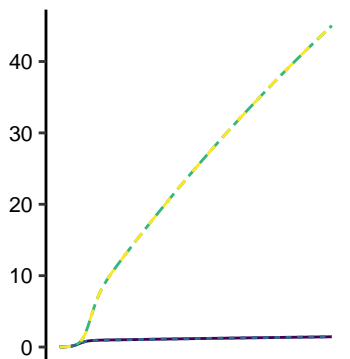
RPV_pop



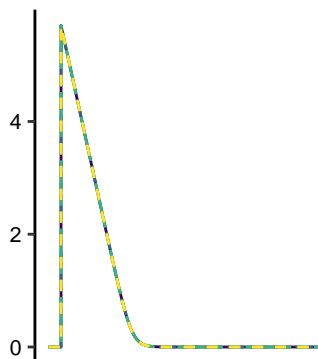
time

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

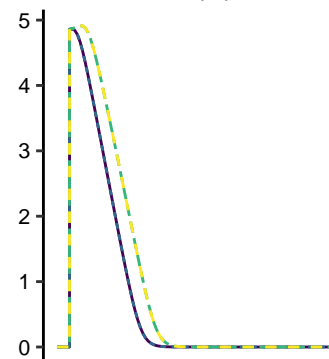
H



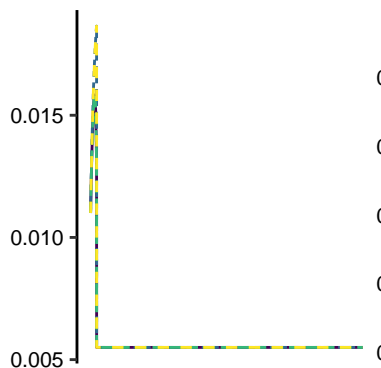
PAV_conc



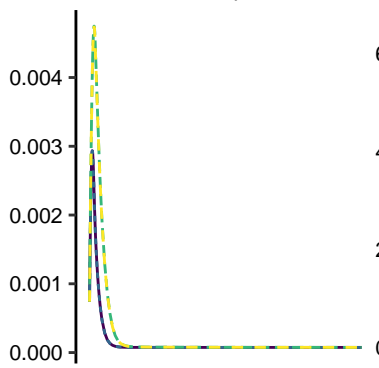
PAV_pop



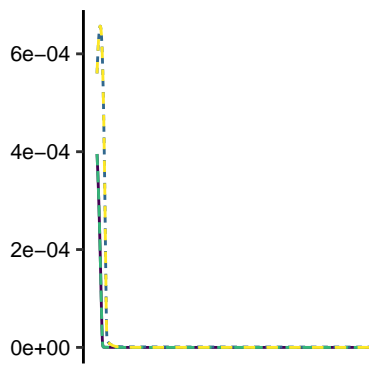
Q_n



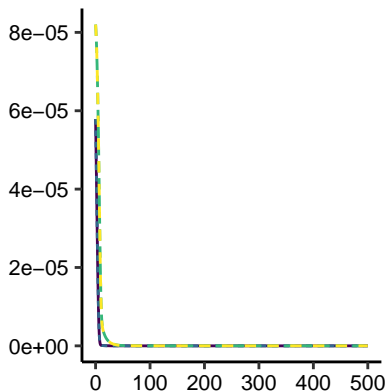
Q_p



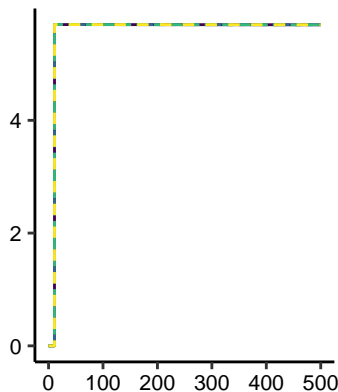
R_n



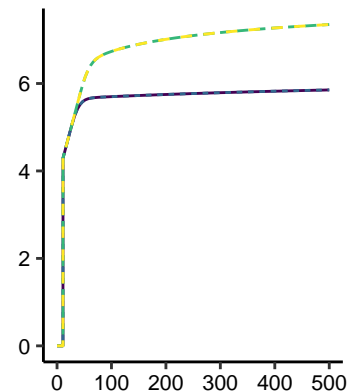
R_p



RPV_conc



RPV_pop



nutrient

low

+N

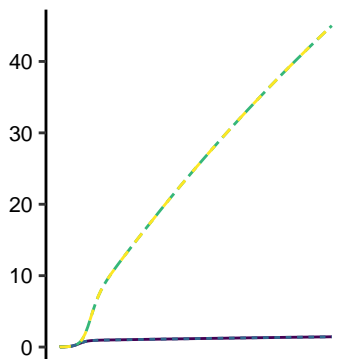
+P

+N+P

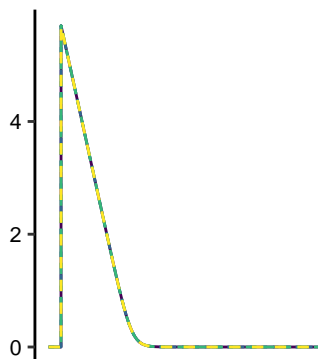
time

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

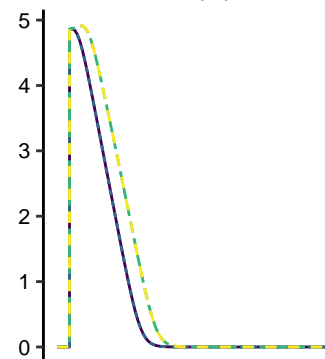
H



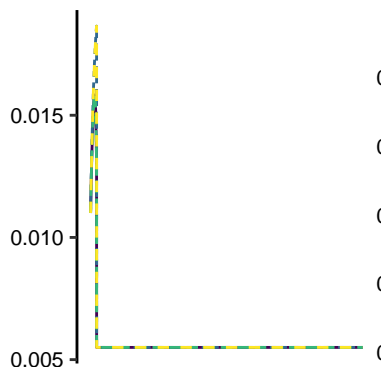
PAV_conc



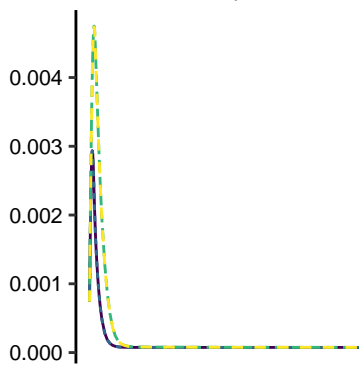
PAV_pop



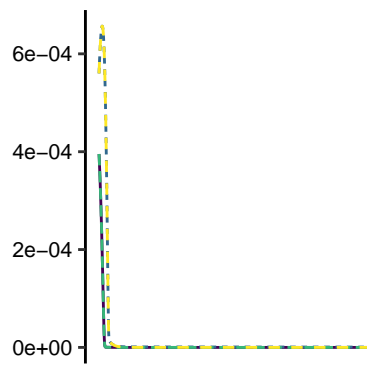
Q_n



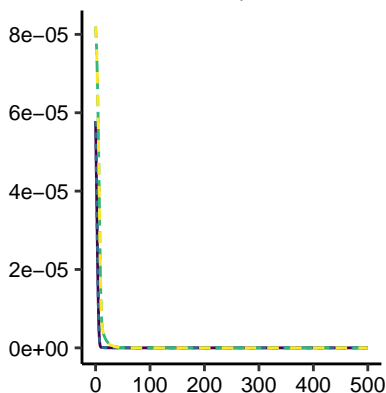
Q_p



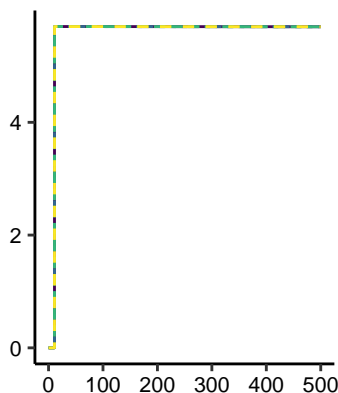
R_n



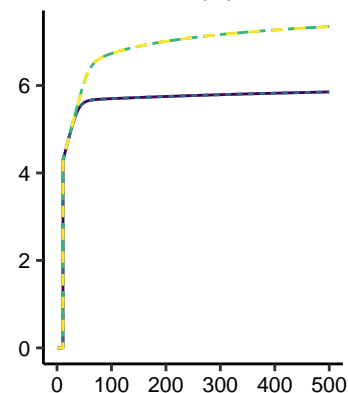
R_p



RPV_conc



RPV_pop

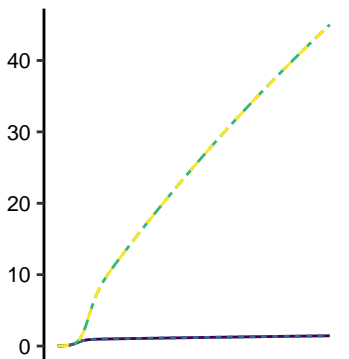


nutrient

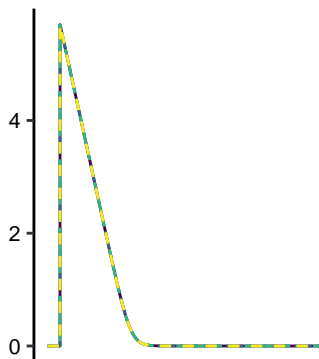
- low
- +N
- +P
- +N+P

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

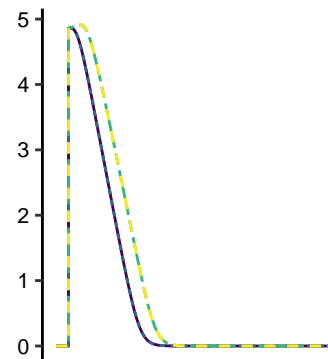
H



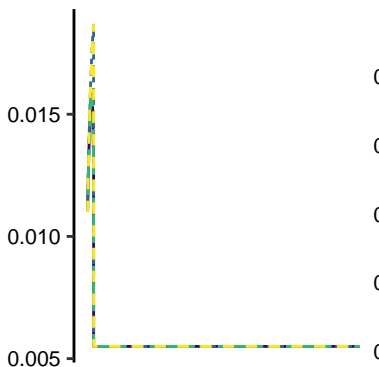
PAV_conc



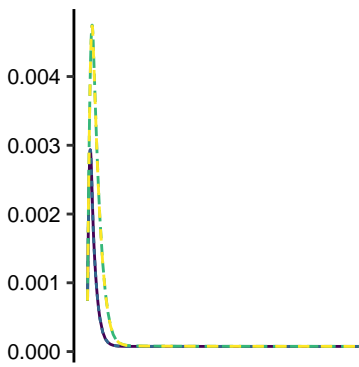
PAV_pop



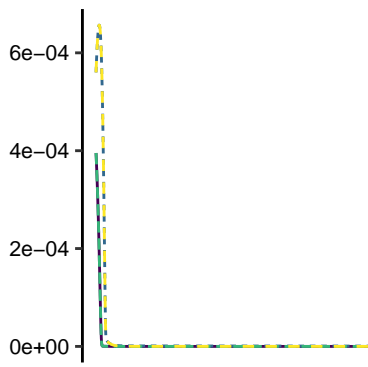
Q_n



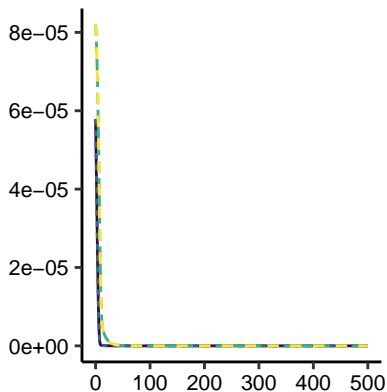
Q_p



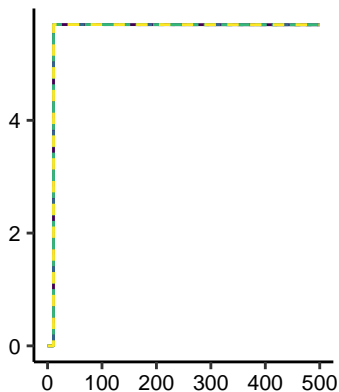
R_n



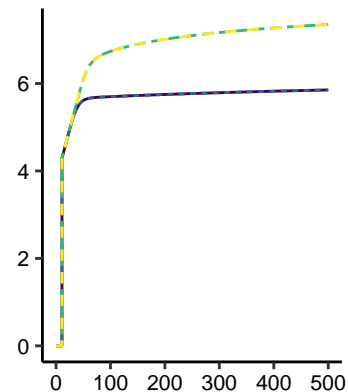
R_p



RPV_conc



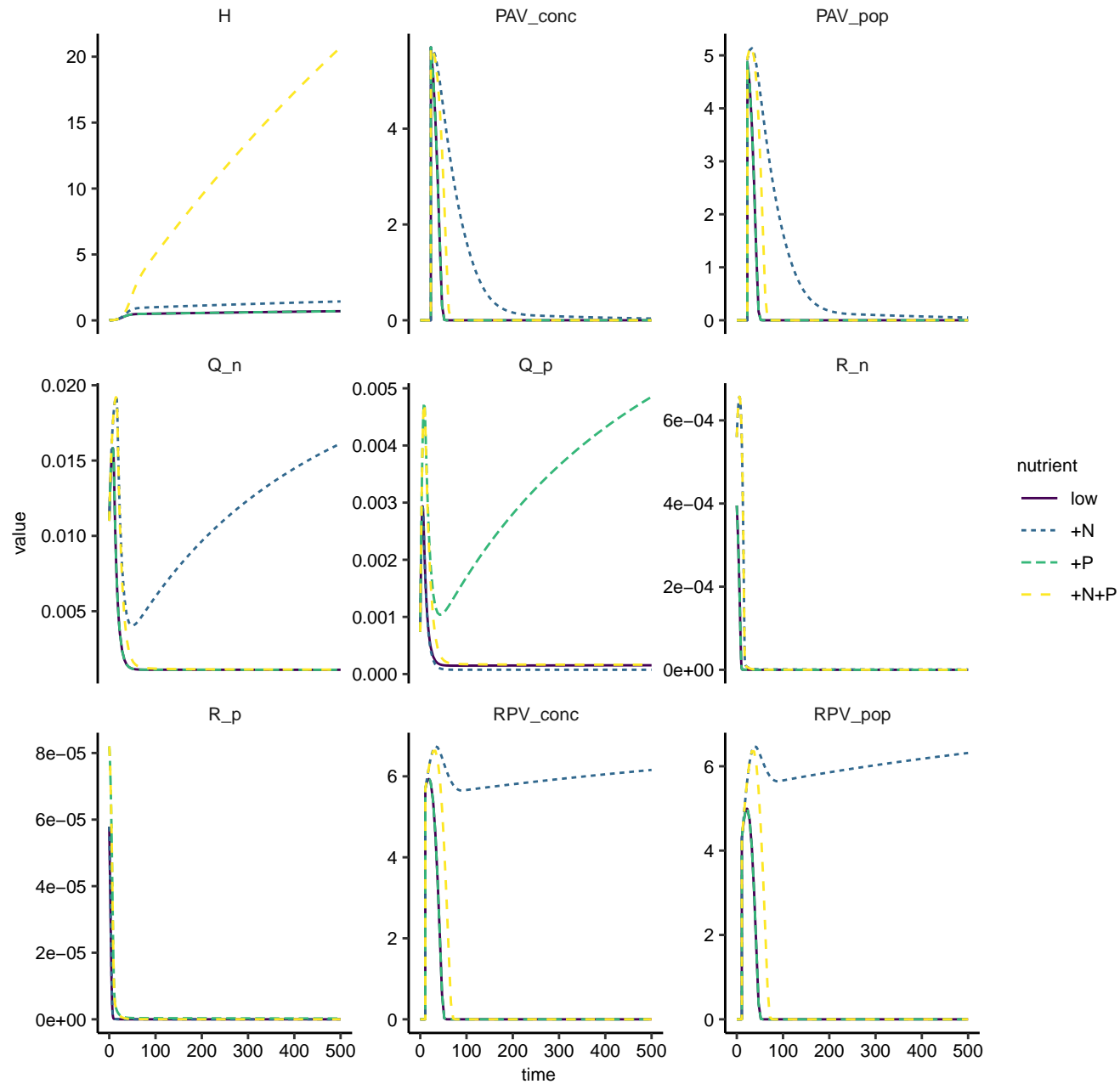
RPV_pop



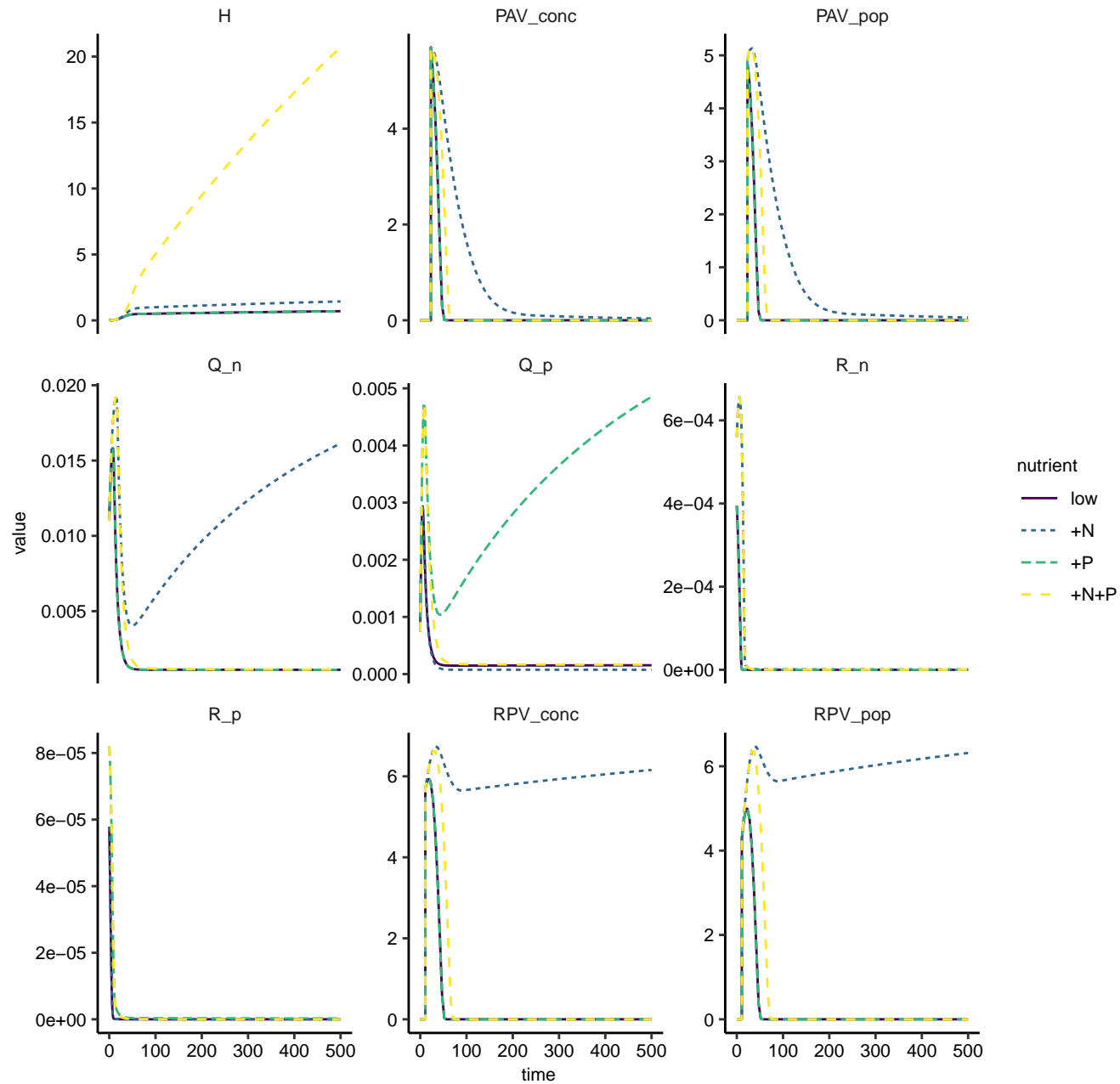
nutrient

- low
- +N
- +P
- +N+P

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

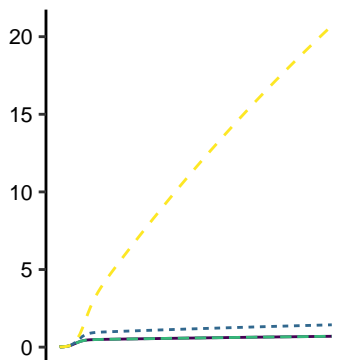


$z_nb = 1e-16$; $z_nc = 1e-16$

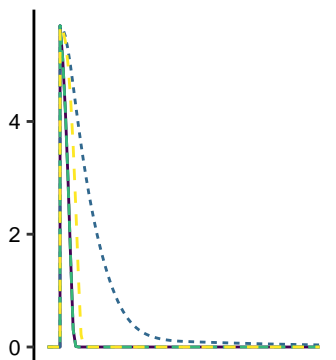


$z_{nb} = 1e-16$; $z_{nc} = 1e-14$

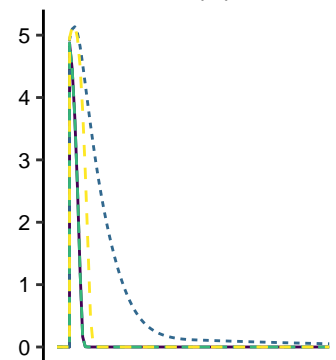
H



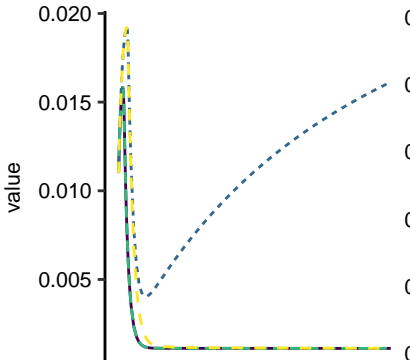
PAV_conc



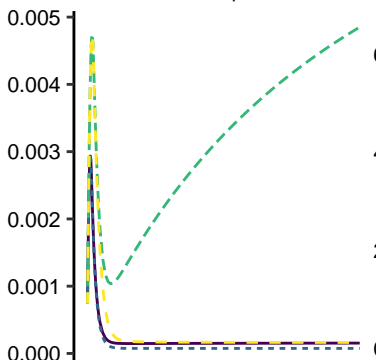
PAV_pop



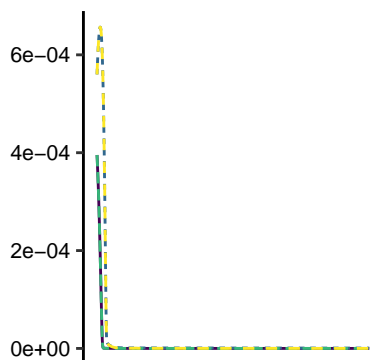
Q_n



Q_p



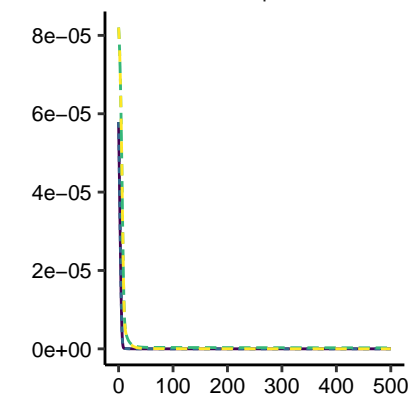
R_n



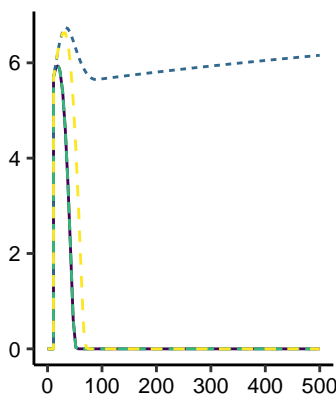
nutrient

low
+N
+P
+N+P

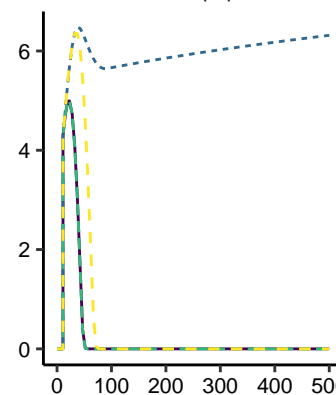
R_p



RPV_conc

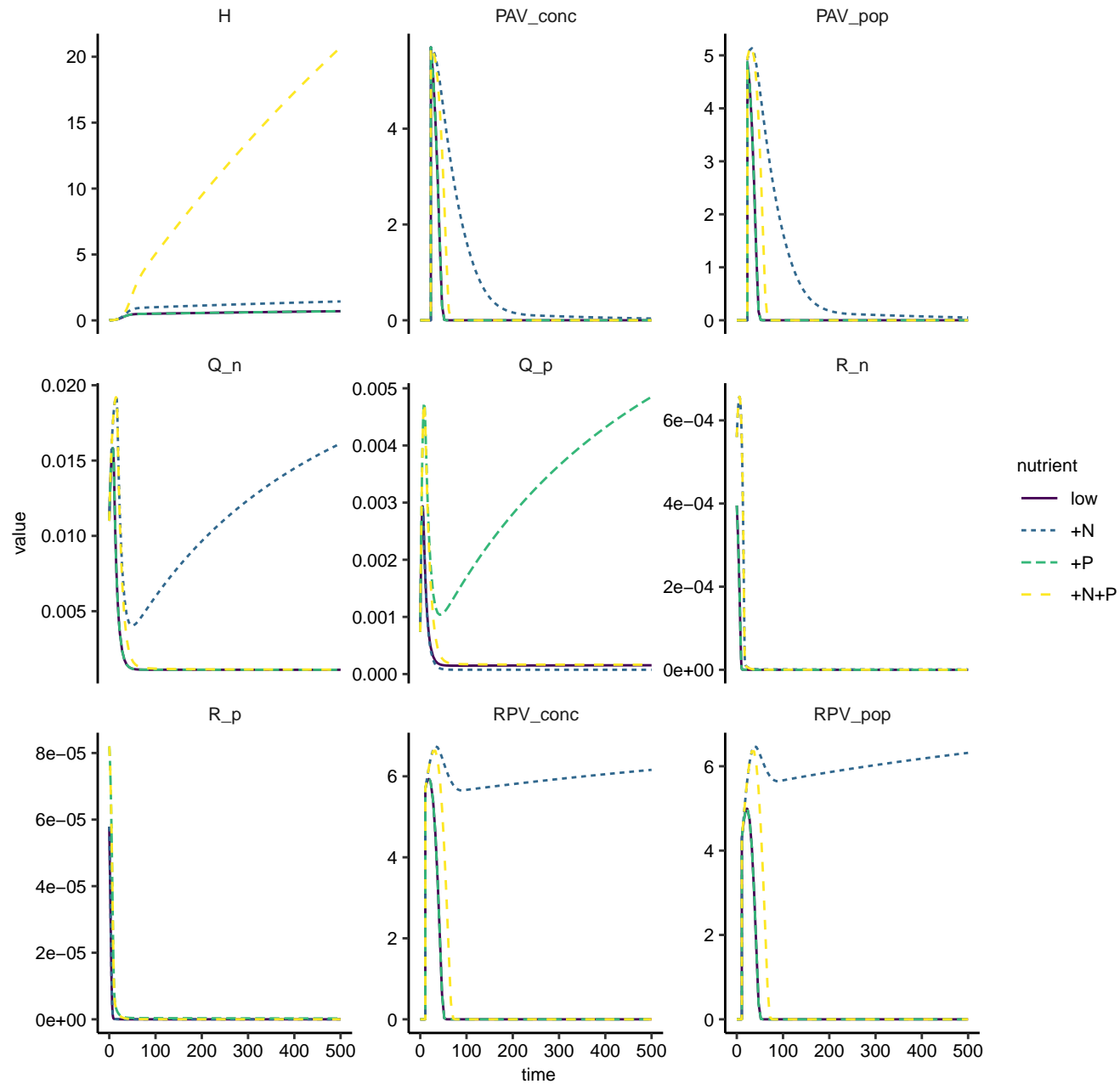


RPV_pop

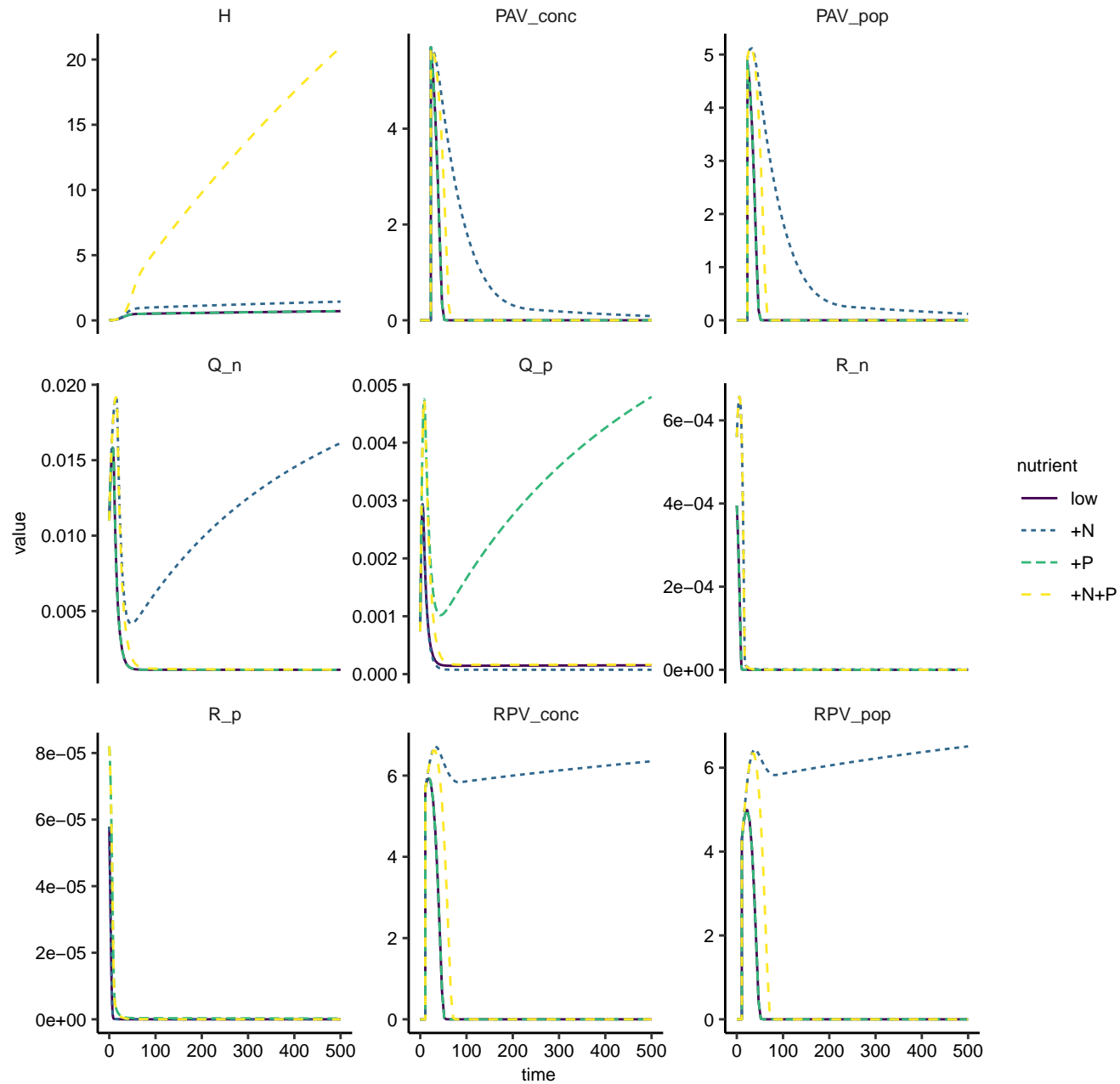


time

$z_{nb} = 1e-16$; $z_{nc} = 1e-12$

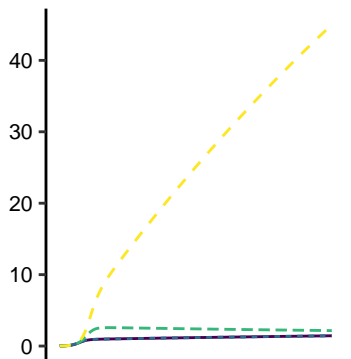


$z_{nb} = 1e-16$; $z_{nc} = 1e-10$

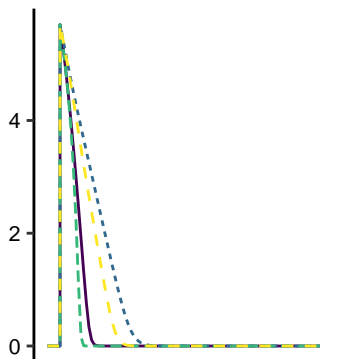


$z_nb = 1e-16$; $z_nc = 1e-08$

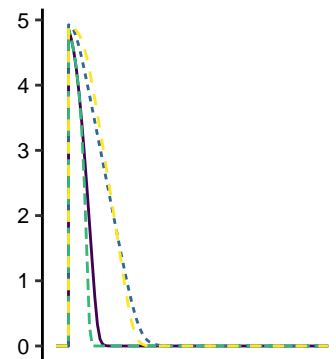
H



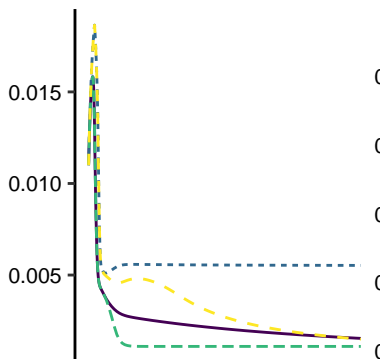
PAV_conc



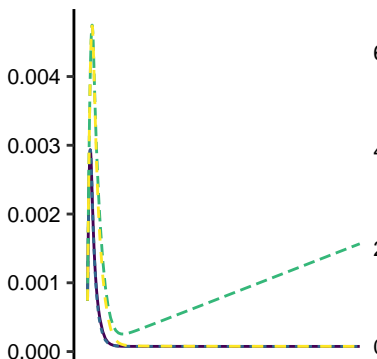
PAV_pop



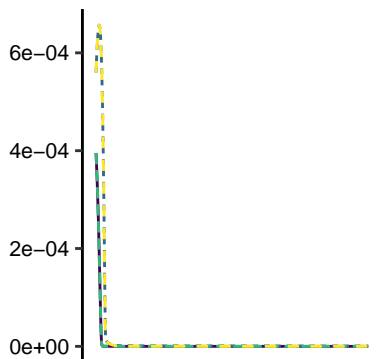
Q_n



Q_p



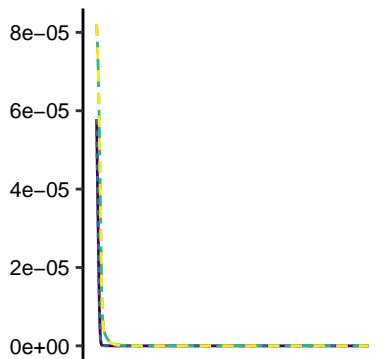
R_n



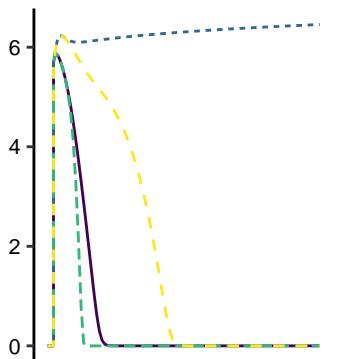
nutrient

low
+N
+P
+N+P

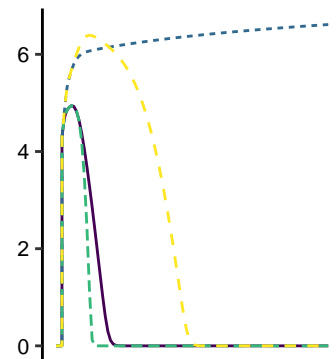
R_p



RPV_conc



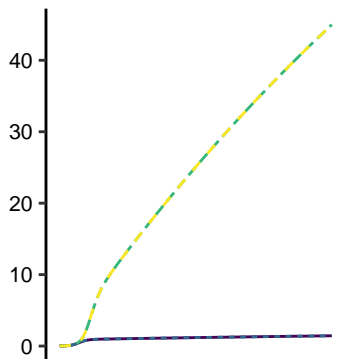
RPV_pop



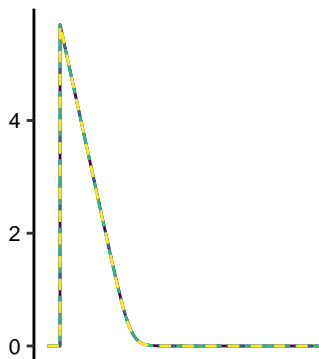
time

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

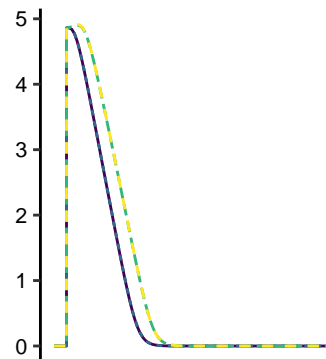
H



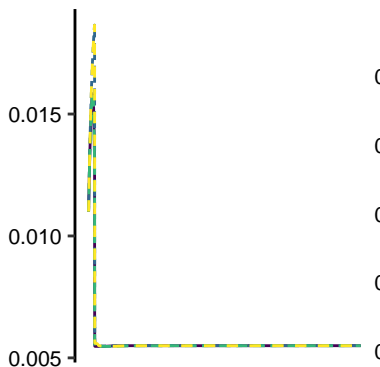
PAV_conc



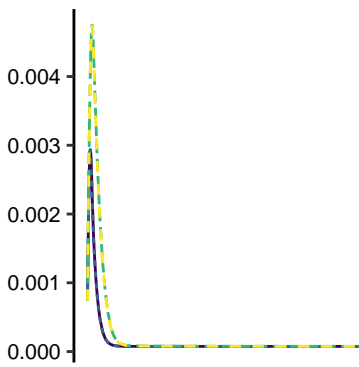
PAV_pop



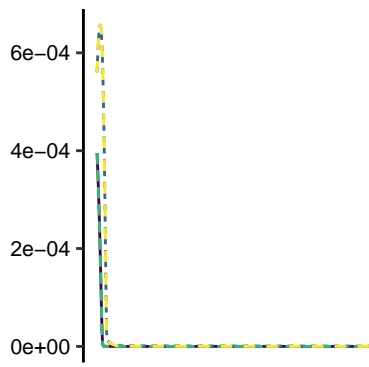
Q_n



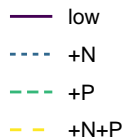
Q_p



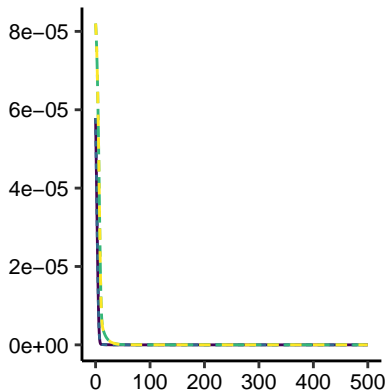
R_n



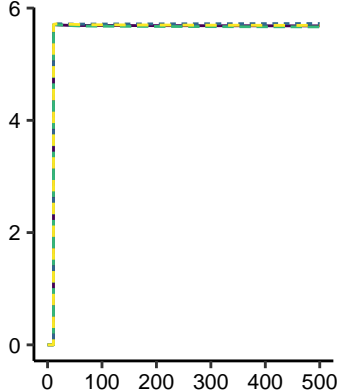
nutrient



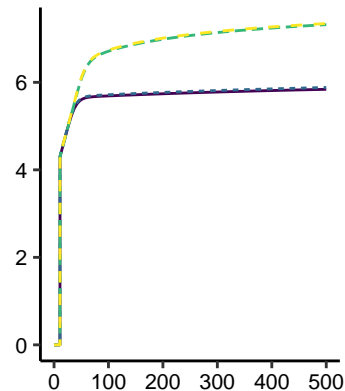
R_p



RPV_conc



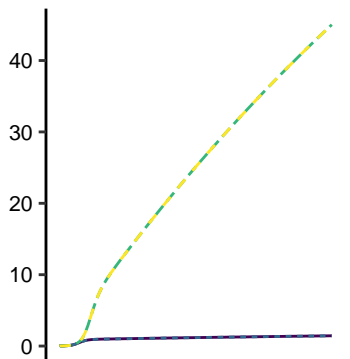
RPV_pop



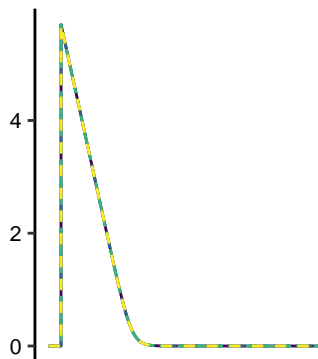
time

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

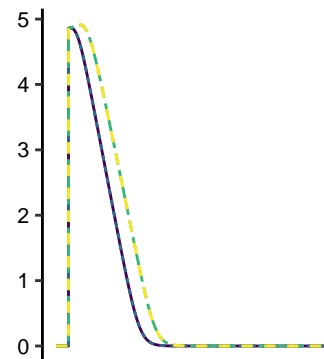
H



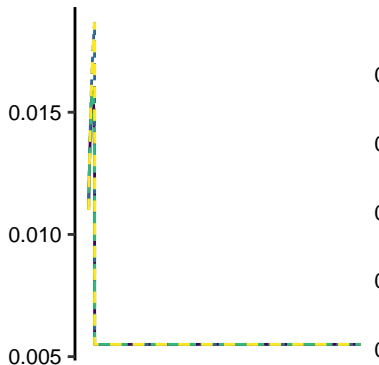
PAV_conc



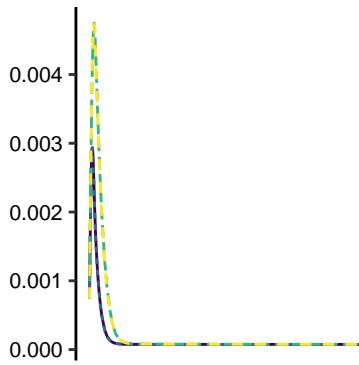
PAV_pop



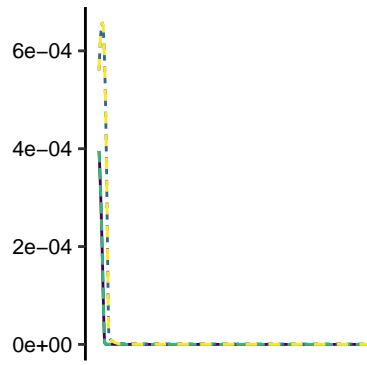
Q_n



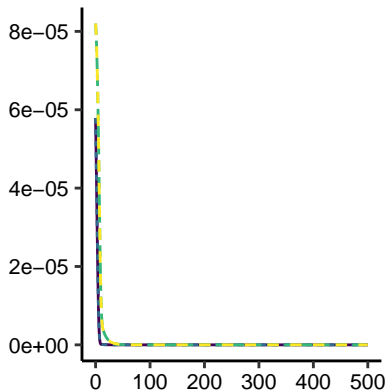
Q_p



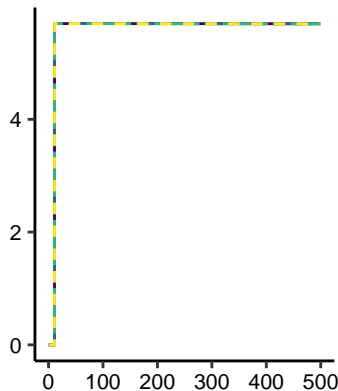
R_n



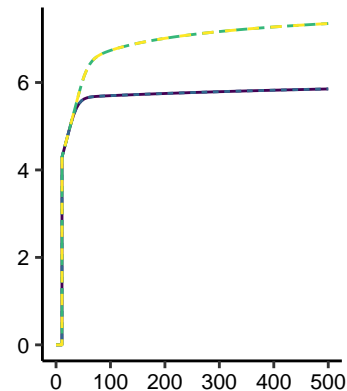
R_p



RPV_conc



RPV_pop



nutrient

low

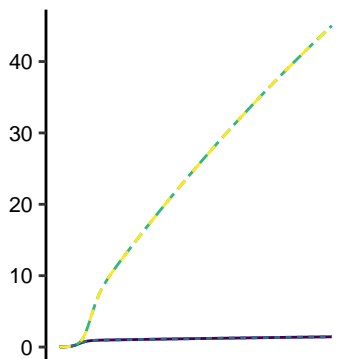
+N

+P

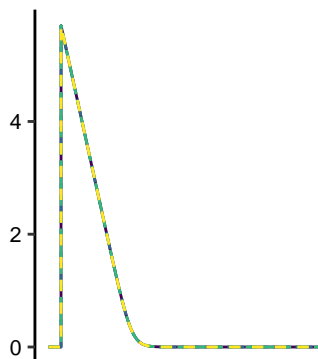
+N+P

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

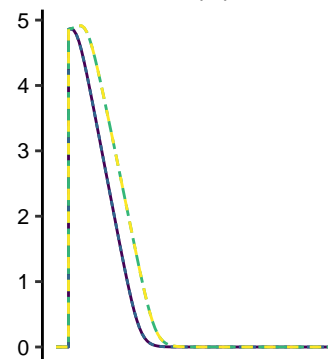
H



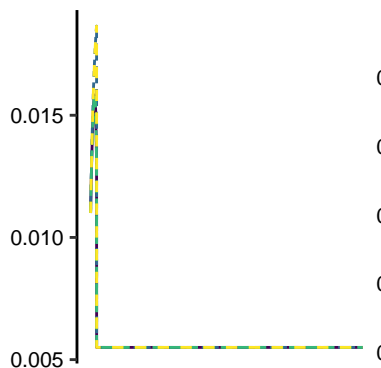
PAV_conc



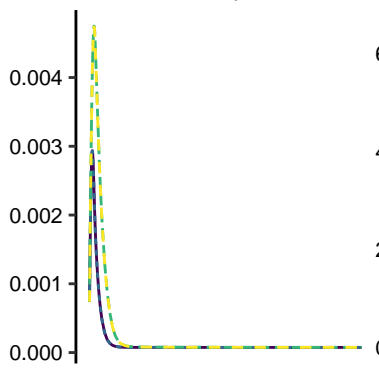
PAV_pop



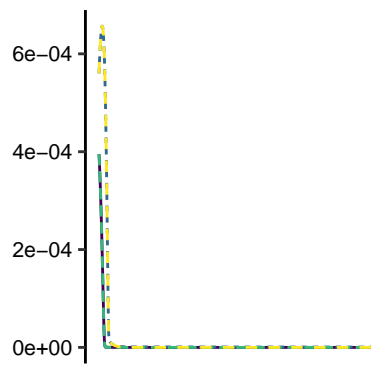
Q_n



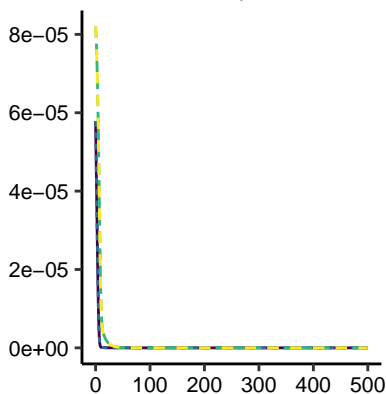
Q_p



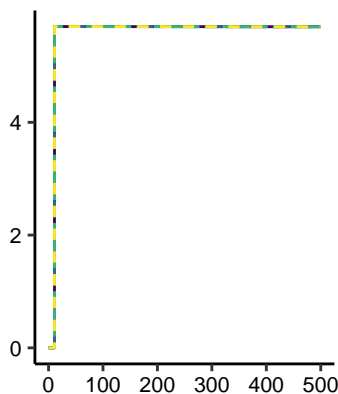
R_n



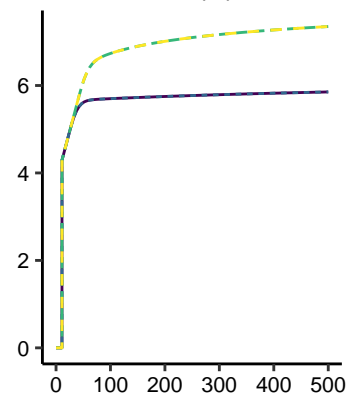
R_p



RPV_conc



RPV_pop



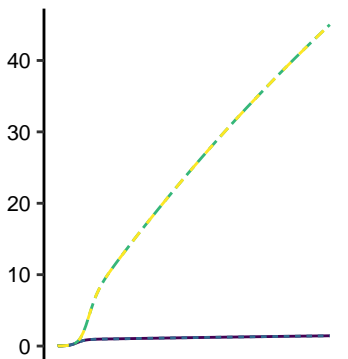
nutrient

- low
- +N
- +P
- +N+P

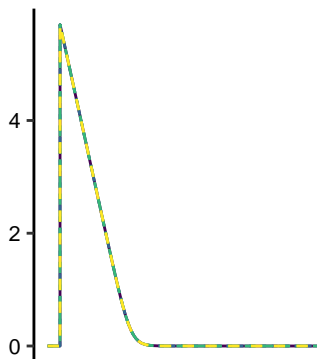
time

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

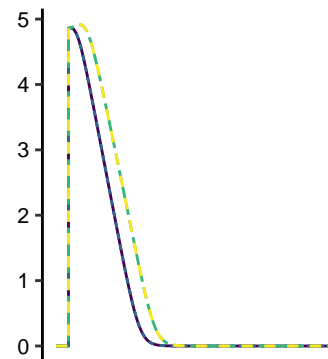
H



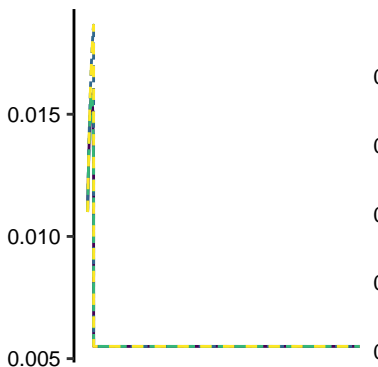
PAV_conc



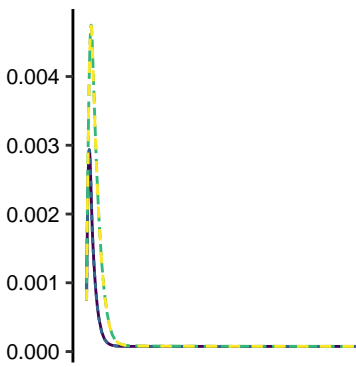
PAV_pop



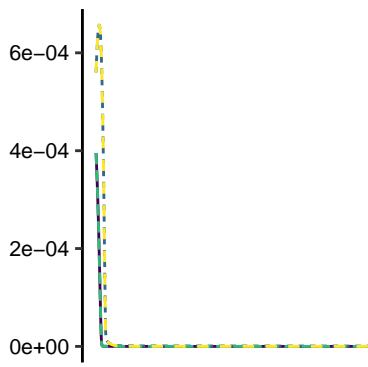
Q_n



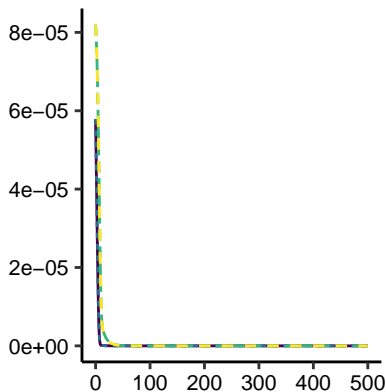
Q_p



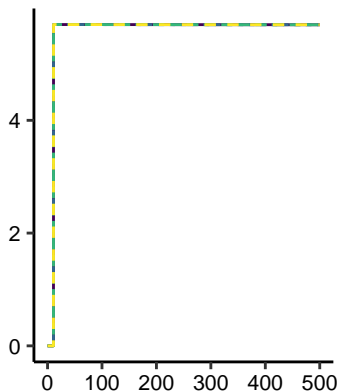
R_n



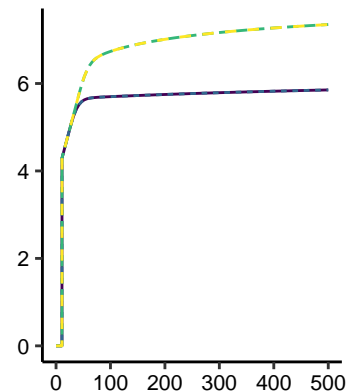
R_p



RPV_conc



RPV_pop



nutrient

low

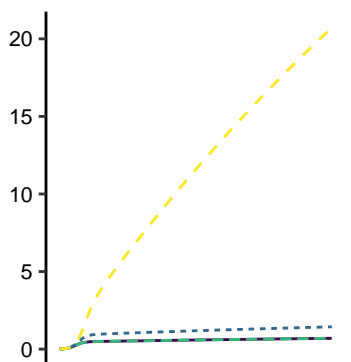
+N

+P

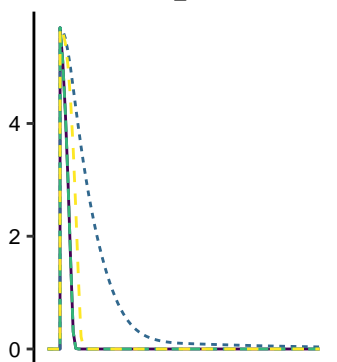
+N+P

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

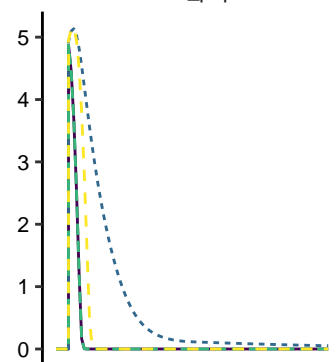
H



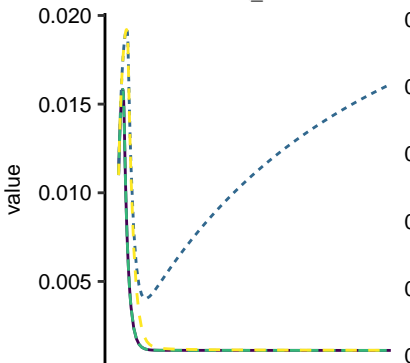
PAV_conc



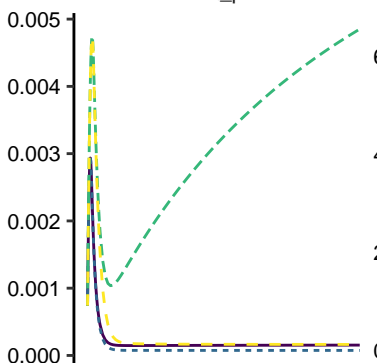
PAV_pop



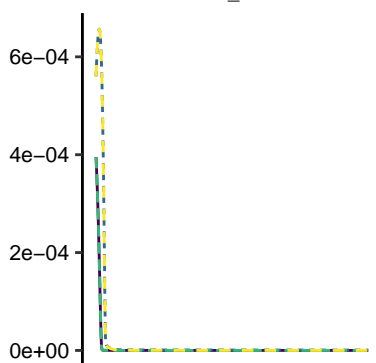
Q_n



Q_p



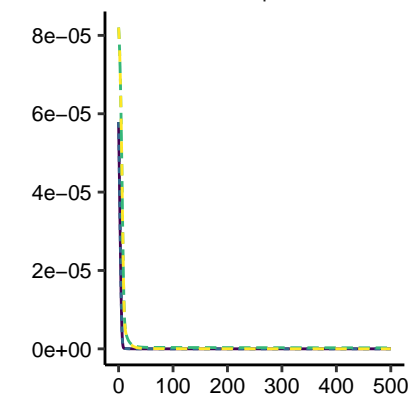
R_n



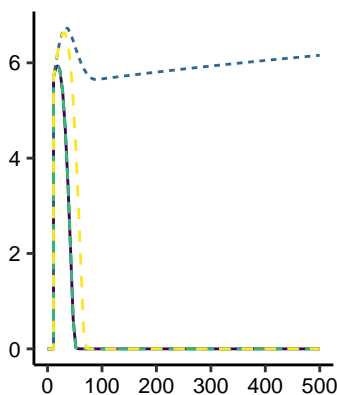
nutrient

low
+N
+P
+N+P

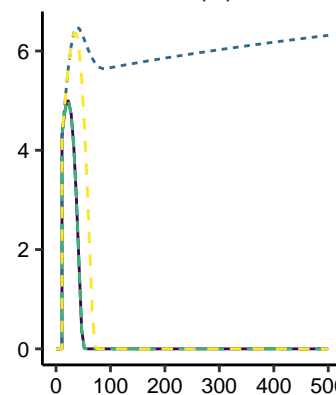
R_p



RPV_conc



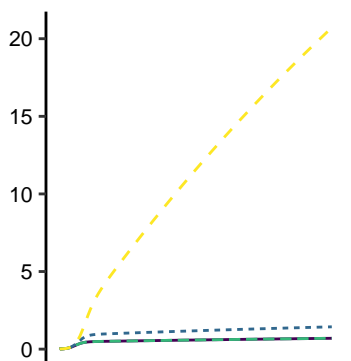
RPV_pop



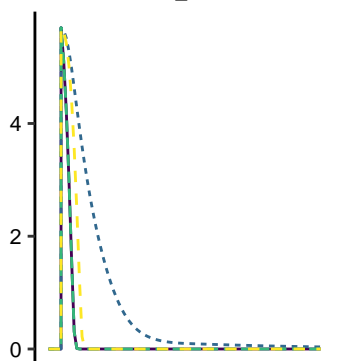
time

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

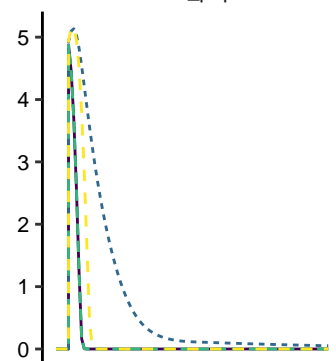
H



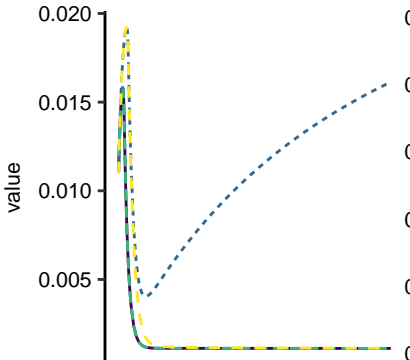
PAV_conc



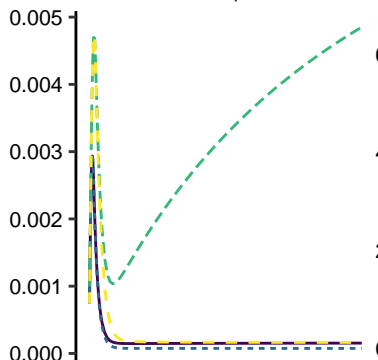
PAV_pop



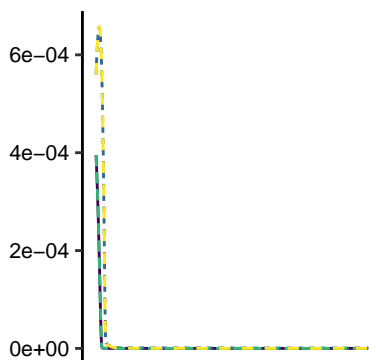
Q_n



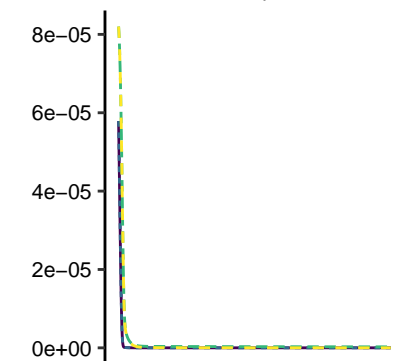
Q_p



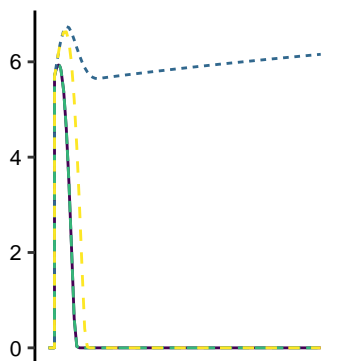
R_n



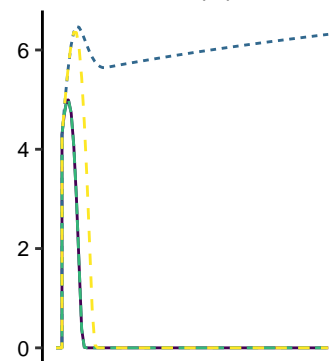
R_p



RPV_conc



RPV_pop

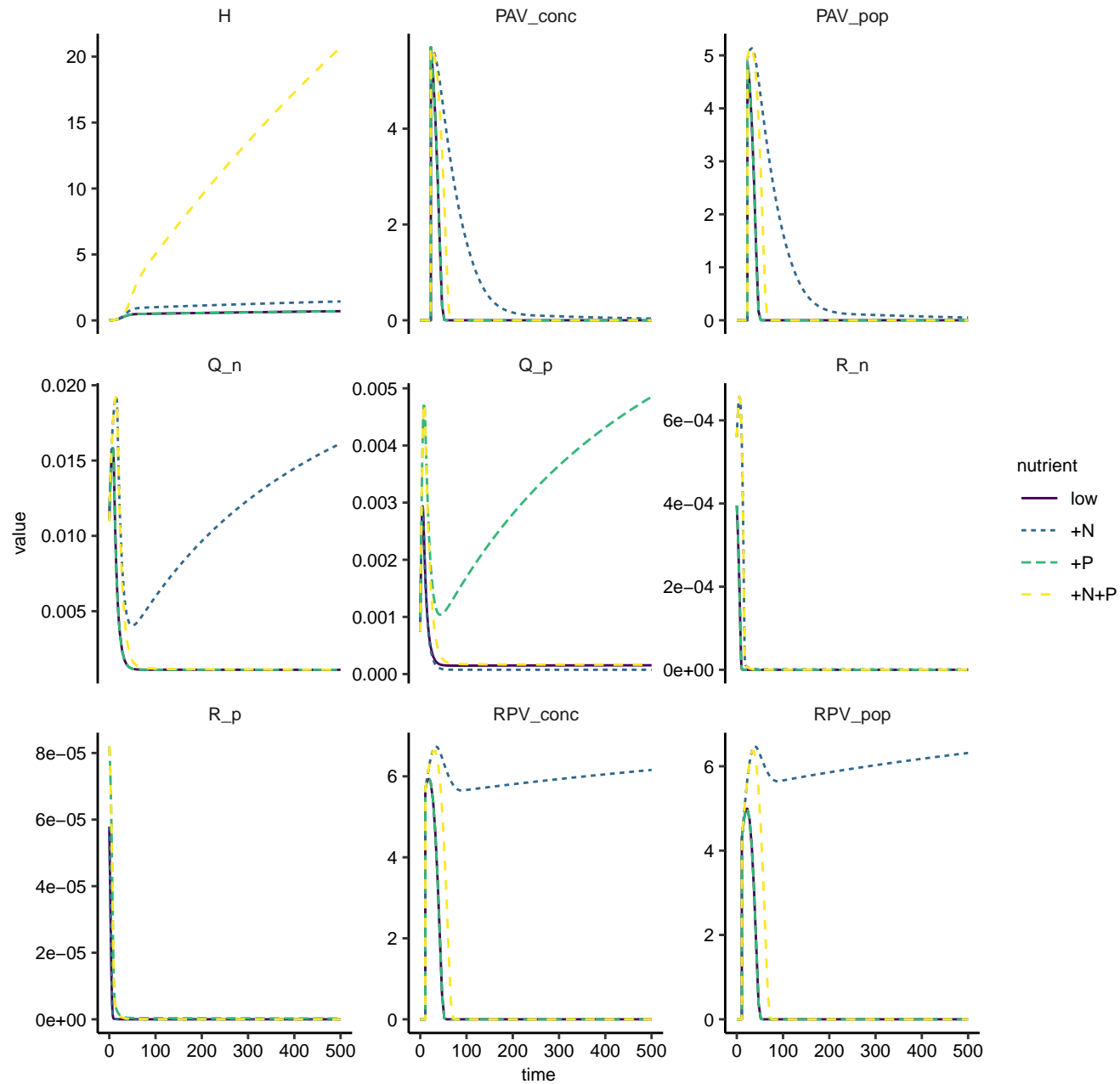


nutrient

- low
- +N
- +P
- +N+P

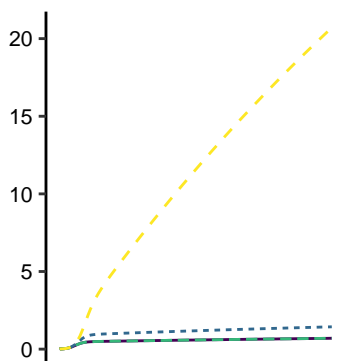
time

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

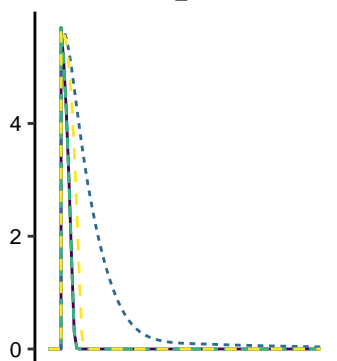


$z_nb = 1e-14$; $z_nc = 1e-12$

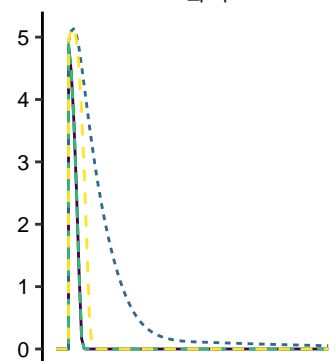
H



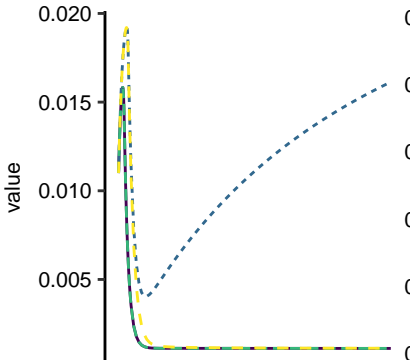
PAV_conc



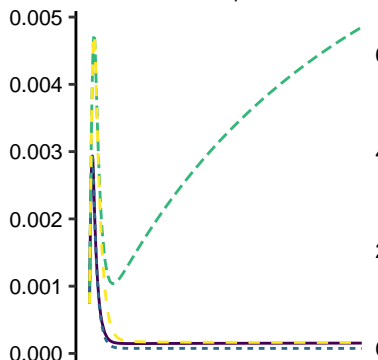
PAV_pop



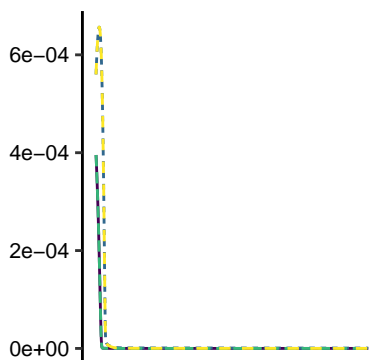
Q_n



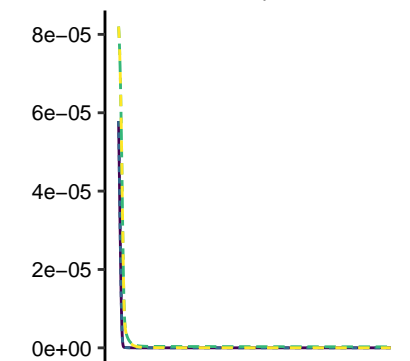
Q_p



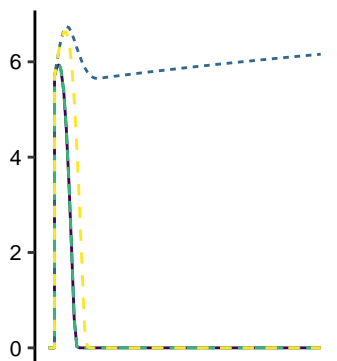
R_n



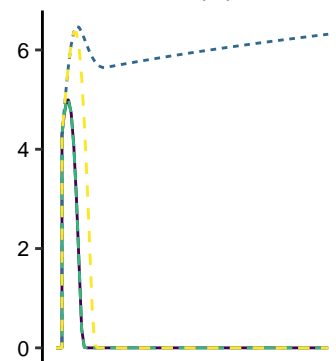
R_p



RPV_conc



RPV_pop



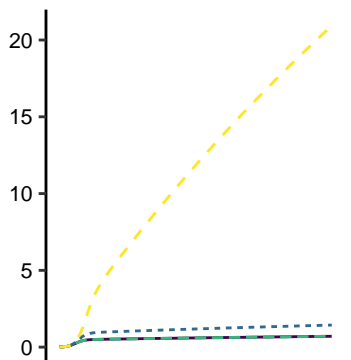
nutrient

low
+N
+P
+N+P

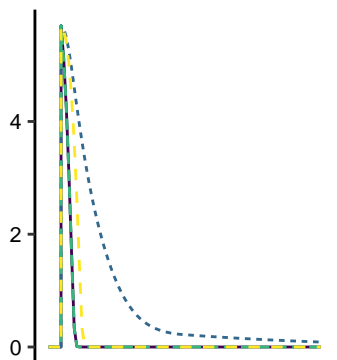
time

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

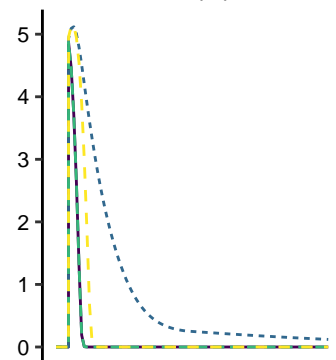
H



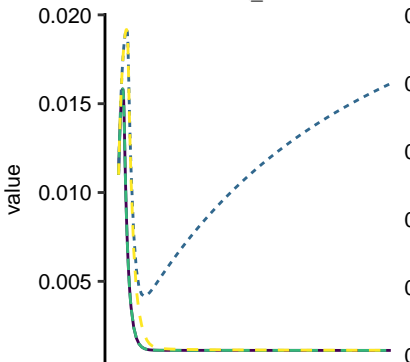
PAV_conc



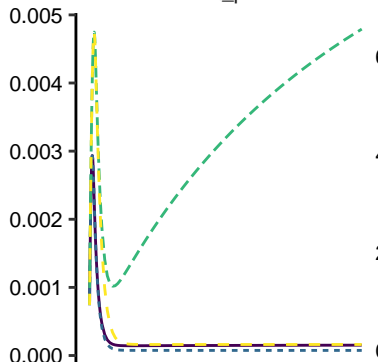
PAV_pop



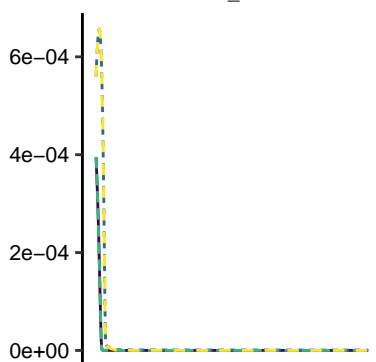
Q_n



Q_p



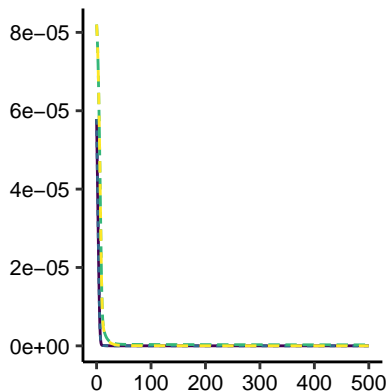
R_n



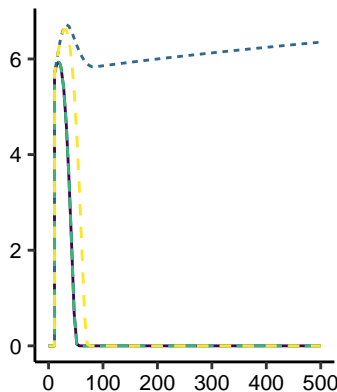
nutrient

low
+N
+P
+N+P

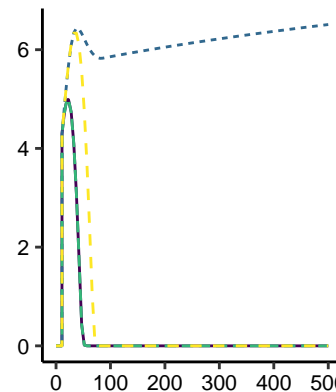
R_p



RPV_conc



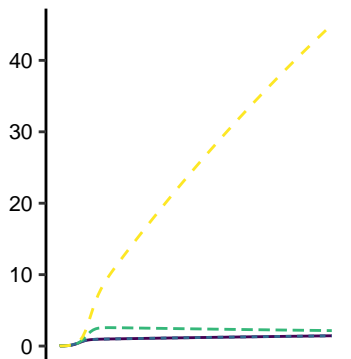
RPV_pop



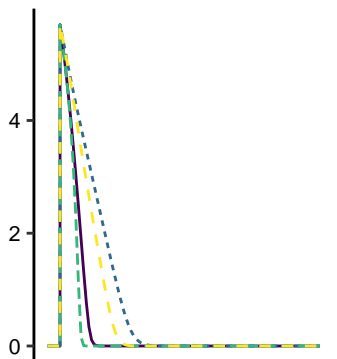
time

$z_{nb} = 1e-14$; $z_{nc} = 1e-08$

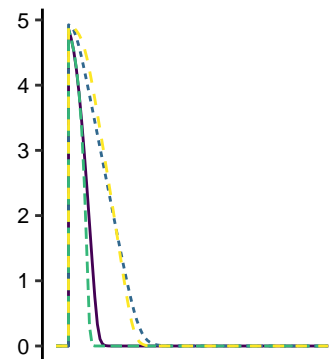
H



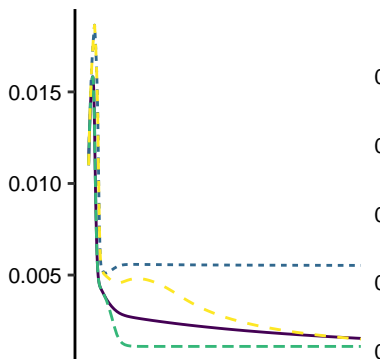
PAV_conc



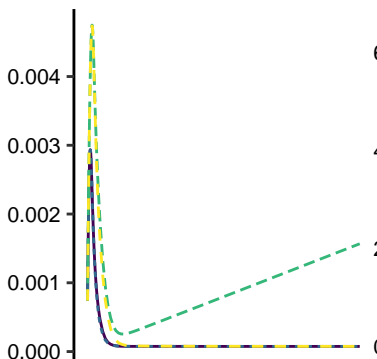
PAV_pop



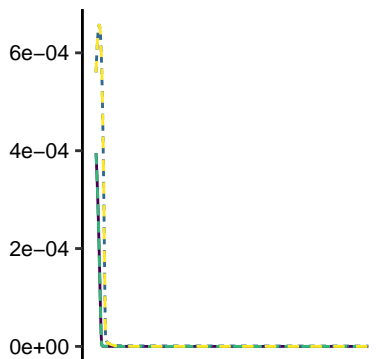
Q_n



Q_p



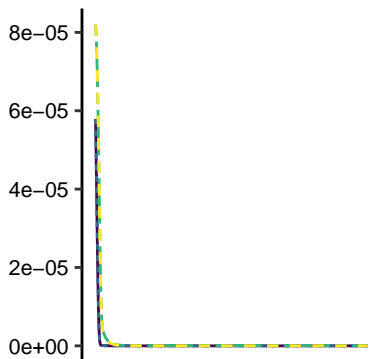
R_n



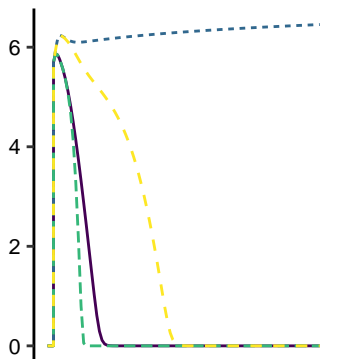
nutrient

low
+N
+P
+N+P

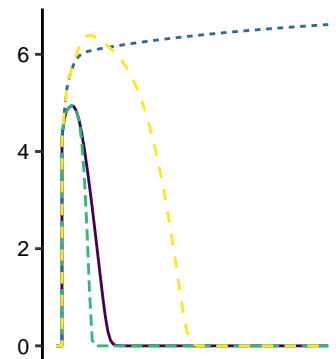
R_p



RPV_conc



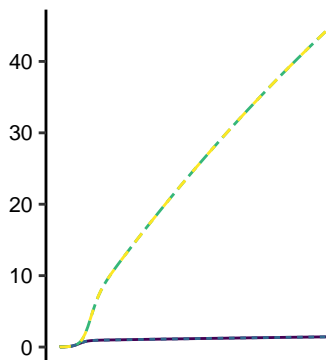
RPV_pop



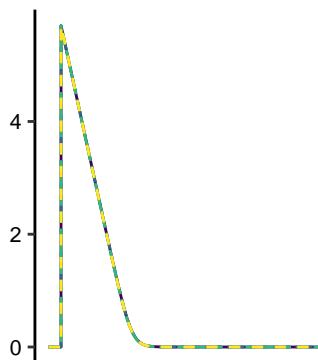
time

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

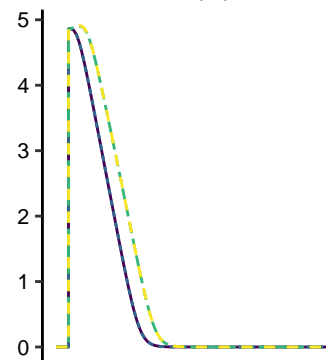
H



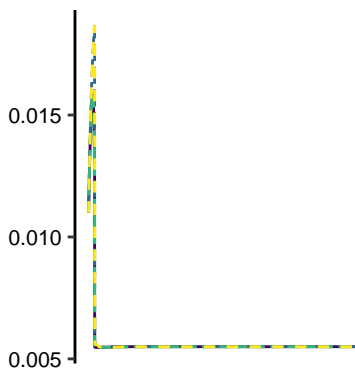
PAV_conc



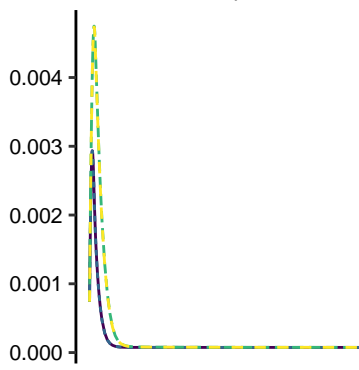
PAV_pop



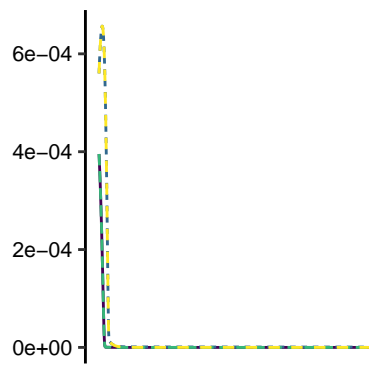
Q_n



Q_p



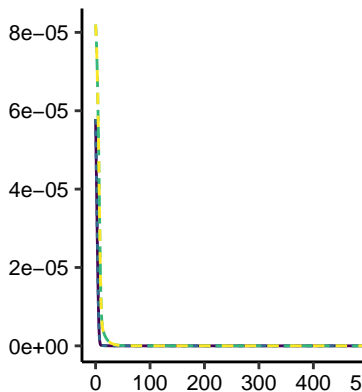
R_n



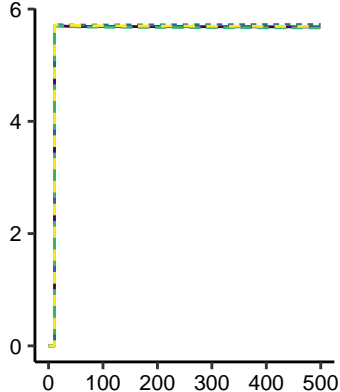
nutrient

low
+N
+P
+N+P

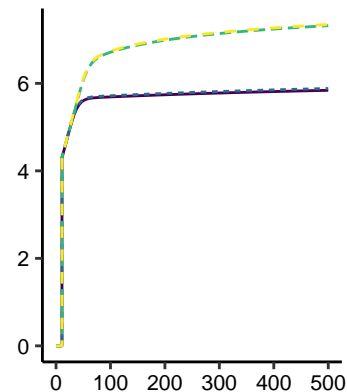
R_p



RPV_conc



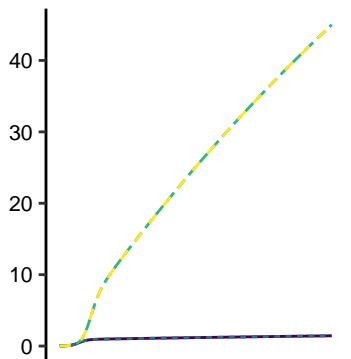
RPV_pop



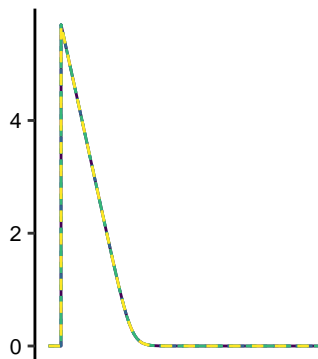
time

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

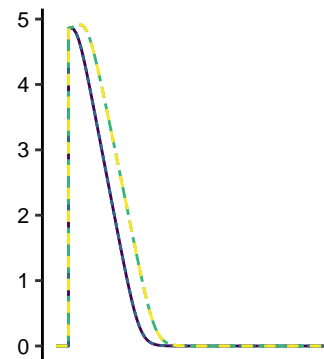
H



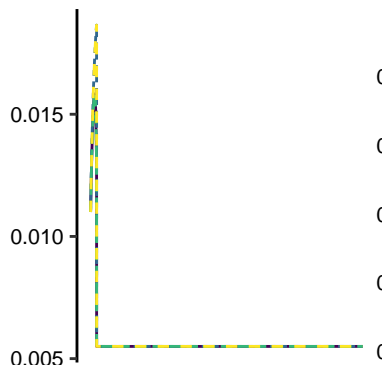
PAV_conc



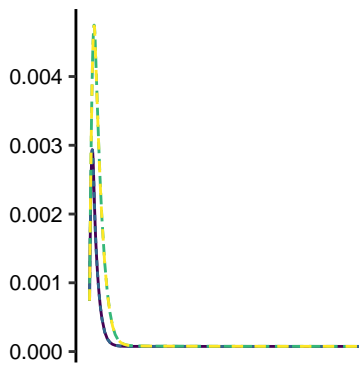
PAV_pop



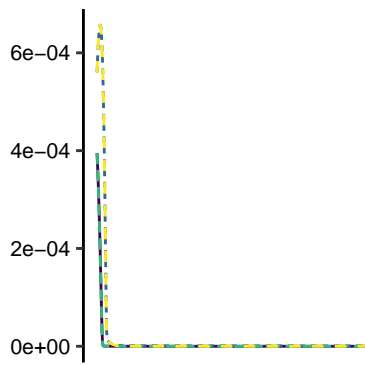
Q_n



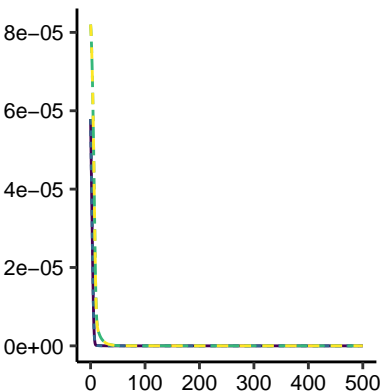
Q_p



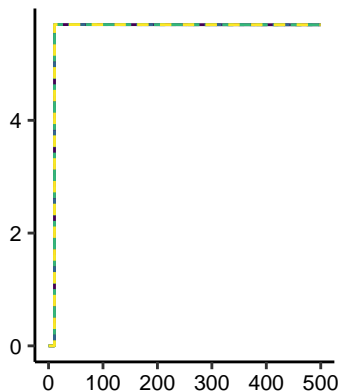
R_n



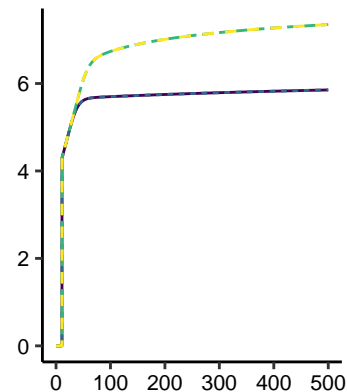
R_p



RPV_conc



RPV_pop

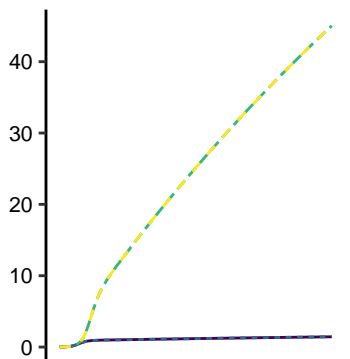


nutrient

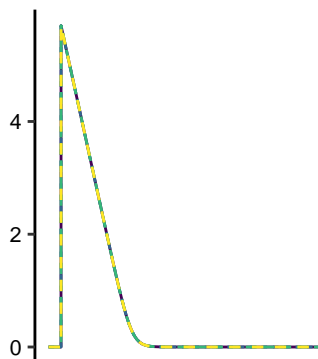
- low
- +N
- +P
- +N+P

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

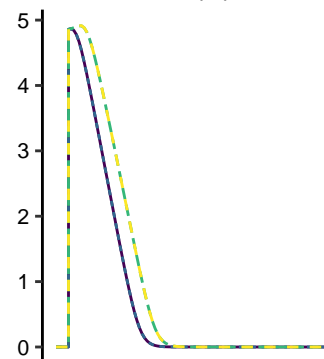
H



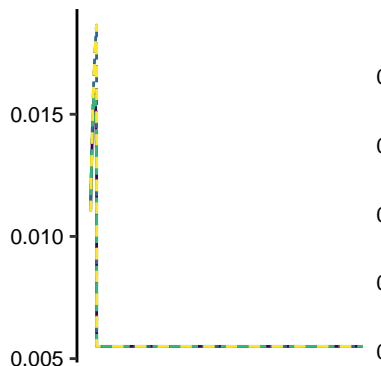
PAV_conc



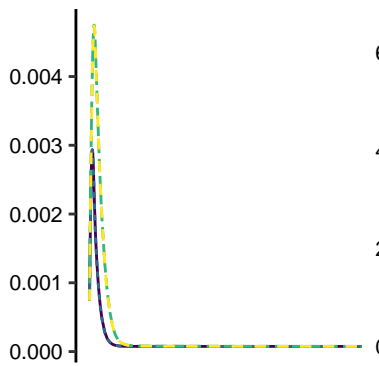
PAV_pop



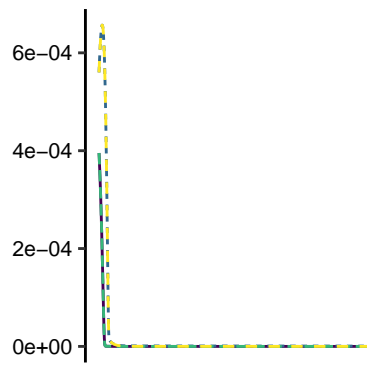
Q_n



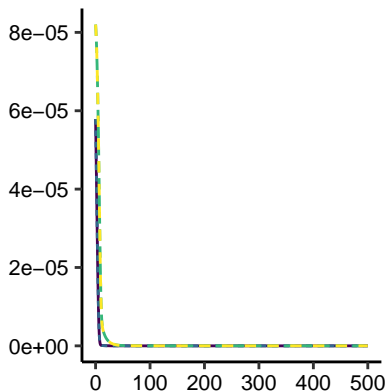
Q_p



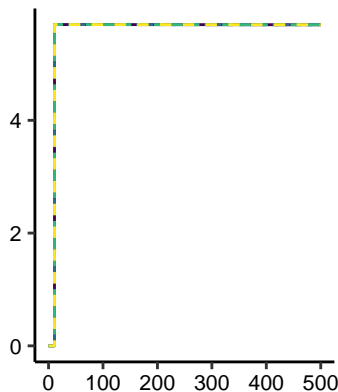
R_n



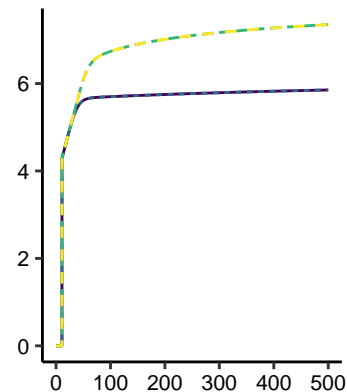
R_p



RPV_conc



RPV_pop



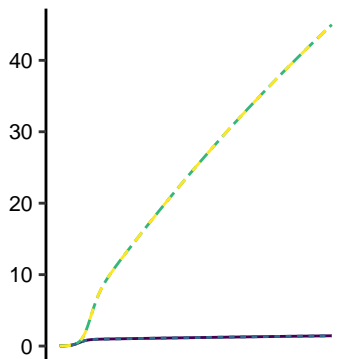
nutrient

- low
- +N
- +P
- +N+P

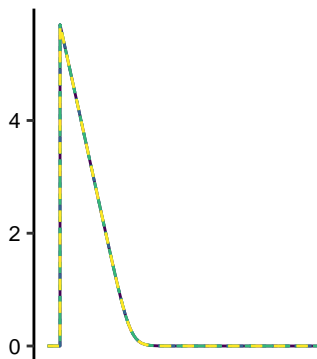
time

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

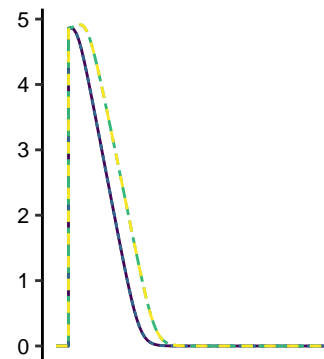
H



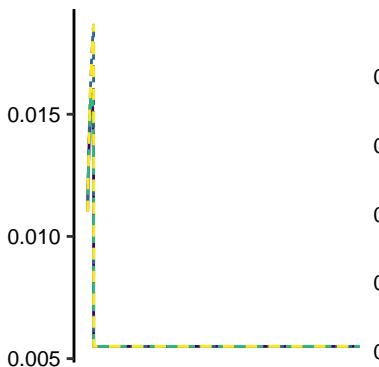
PAV_conc



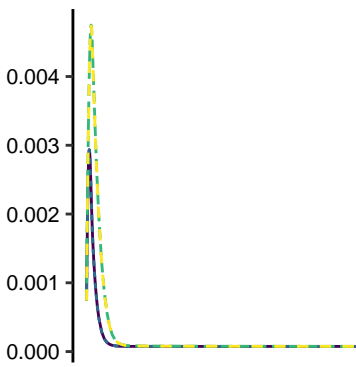
PAV_pop



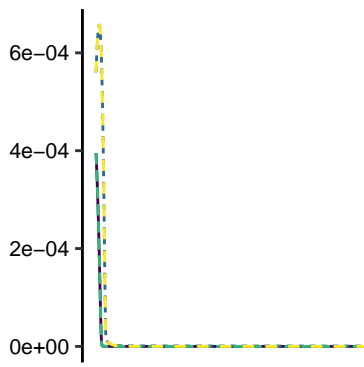
Q_n



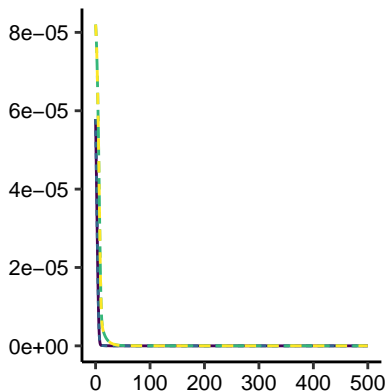
Q_p



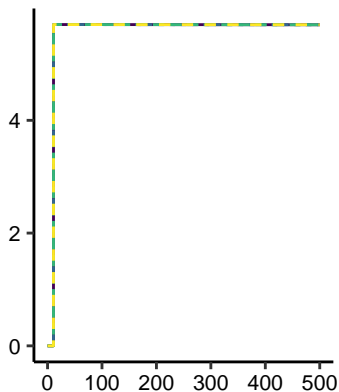
R_n



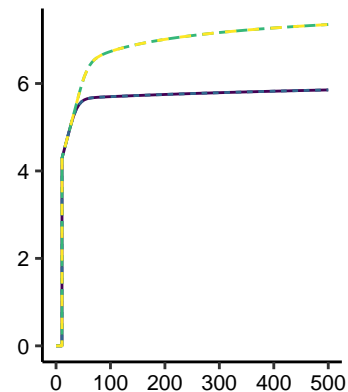
R_p



RPV_conc



RPV_pop



nutrient

low

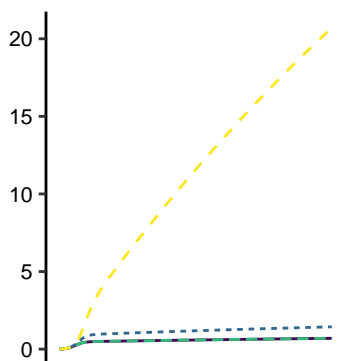
+N

+P

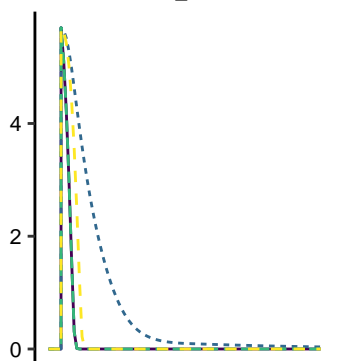
+N+P

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

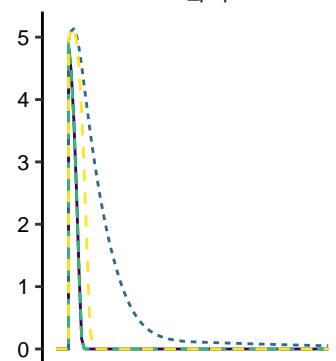
H



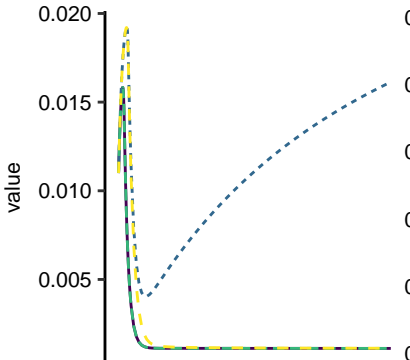
PAV_conc



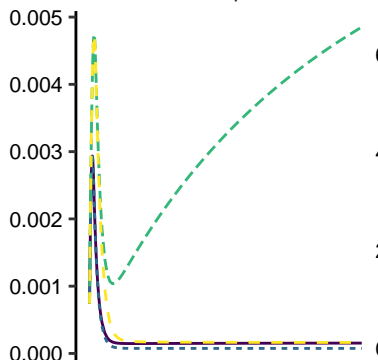
PAV_pop



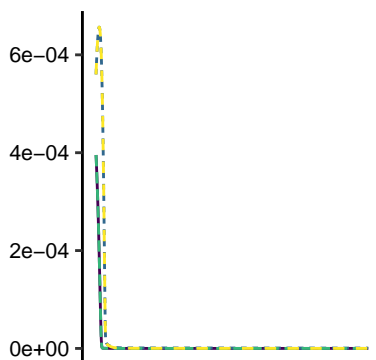
Q_n



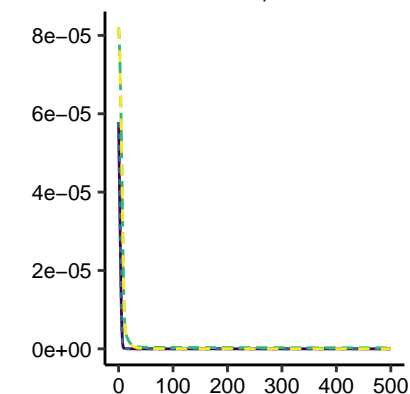
Q_p



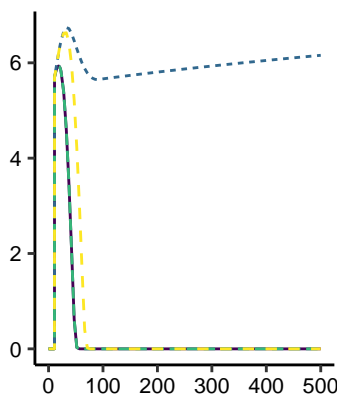
R_n



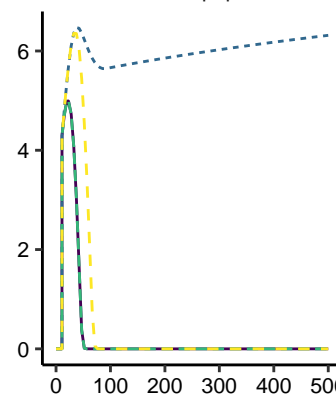
R_p



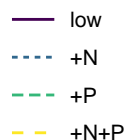
RPV_conc



RPV_pop

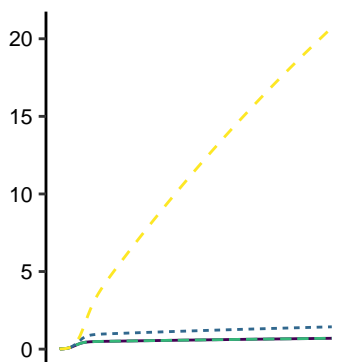


nutrient

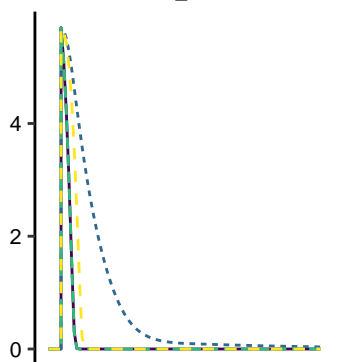


$z_nb = 1e-12$; $z_nc = 1e-16$

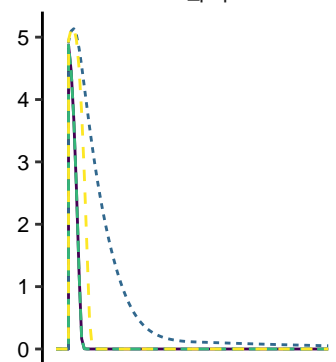
H



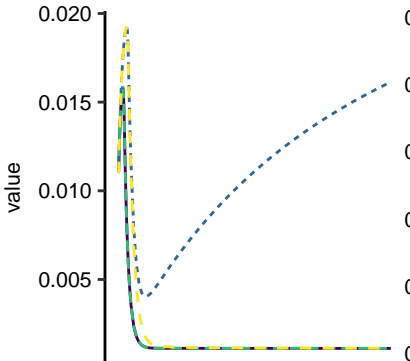
PAV_conc



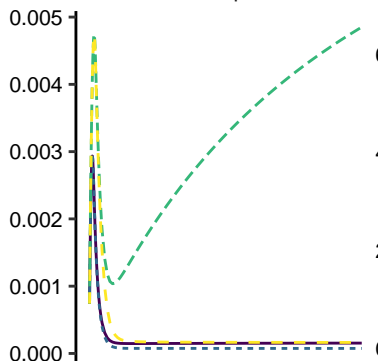
PAV_pop



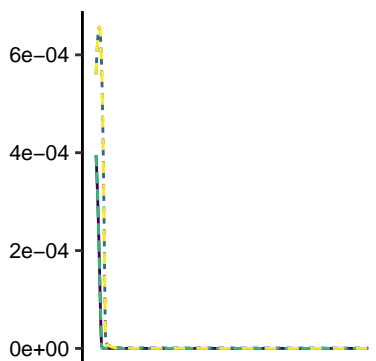
Q_n



Q_p



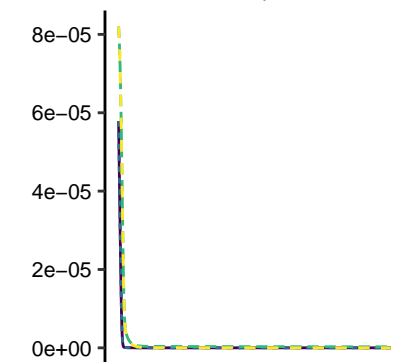
R_n



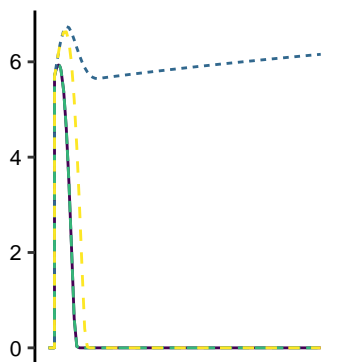
nutrient

low
+N
+P
+N+P

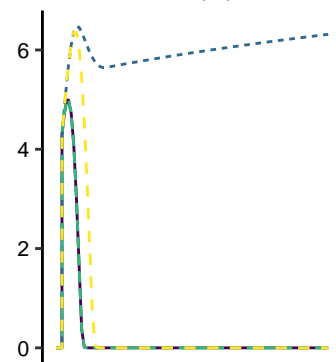
R_p



RPV_conc



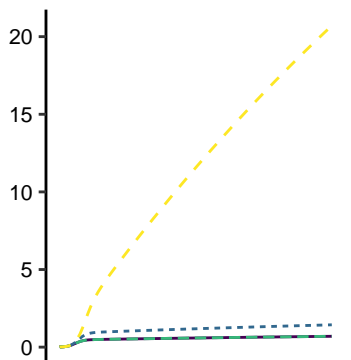
RPV_pop



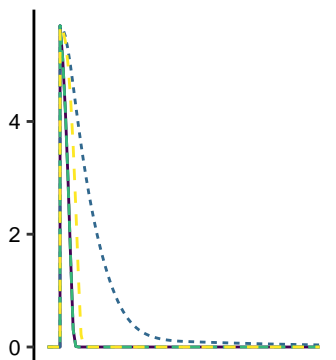
time

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

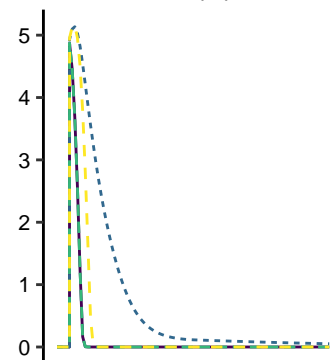
H



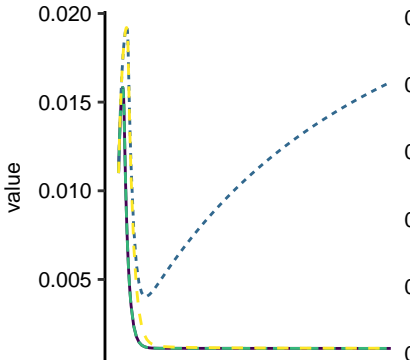
PAV_conc



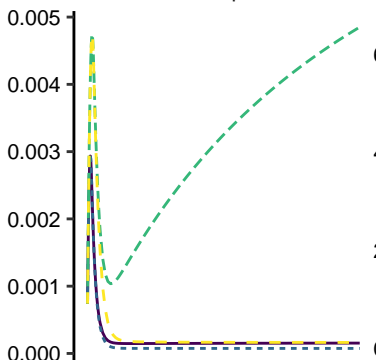
PAV_pop



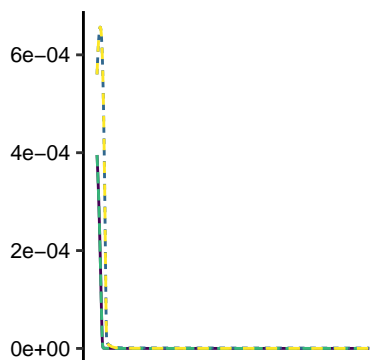
Q_n



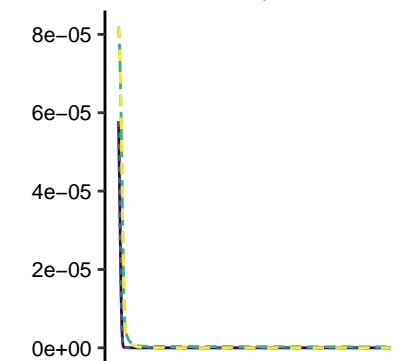
Q_p



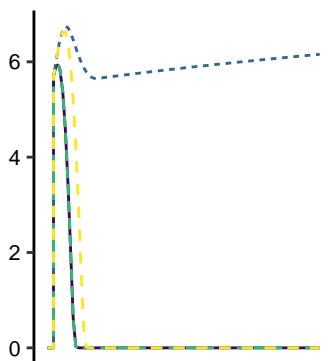
R_n



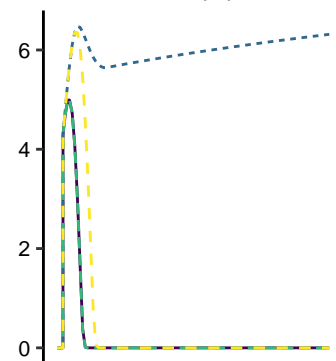
R_p



RPV_conc



RPV_pop



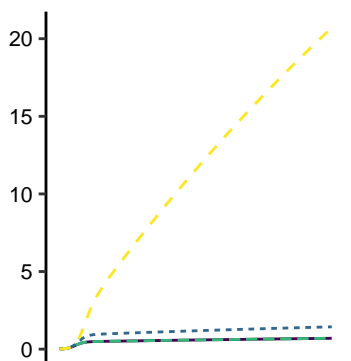
nutrient

low
+N
+P
+N+P

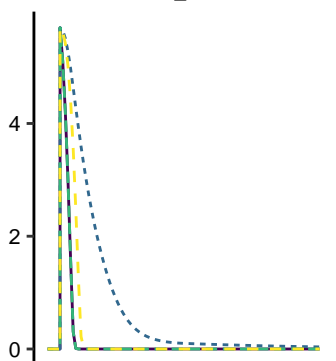
time

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

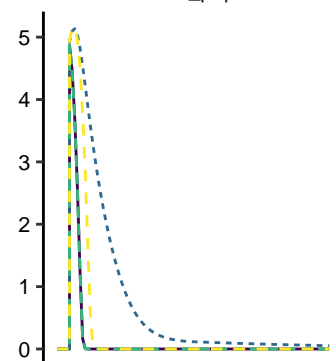
H



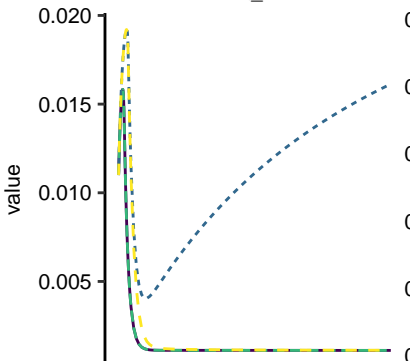
PAV_conc



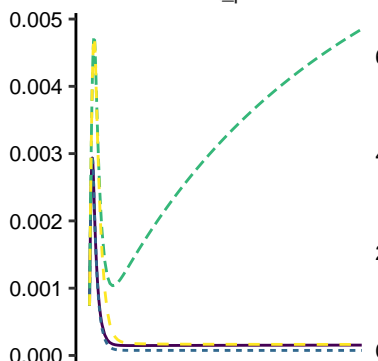
PAV_pop



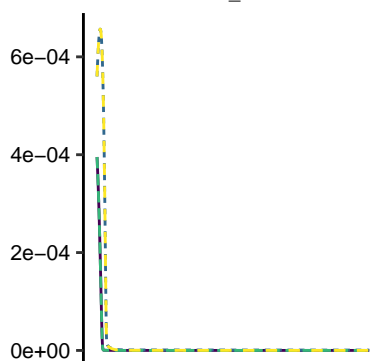
Q_n



Q_p



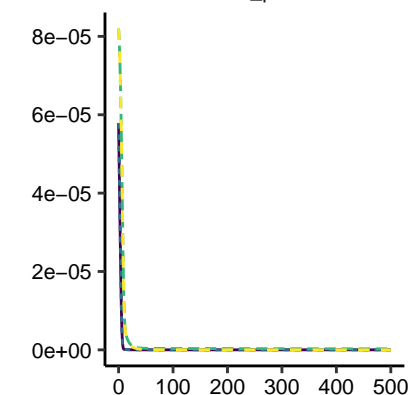
R_n



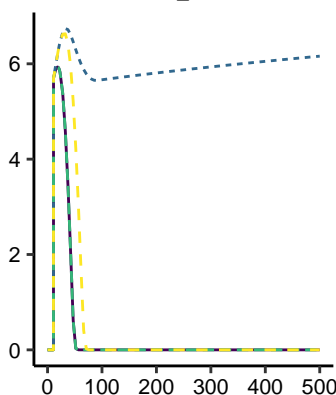
nutrient

- low
- +N
- +P
- +N+P

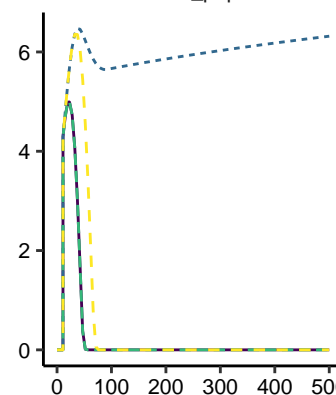
R_p



RPV_conc

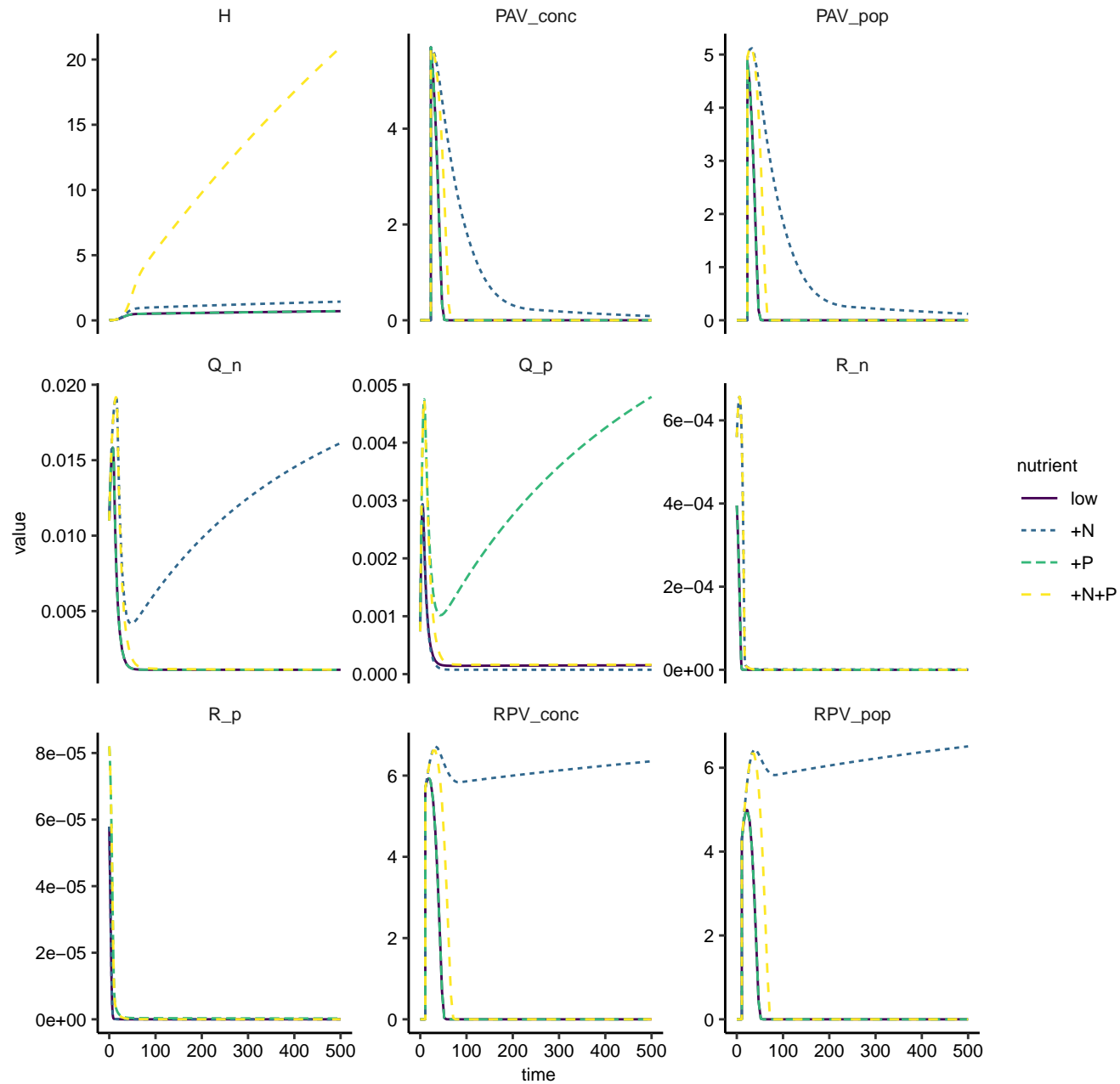


RPV_pop



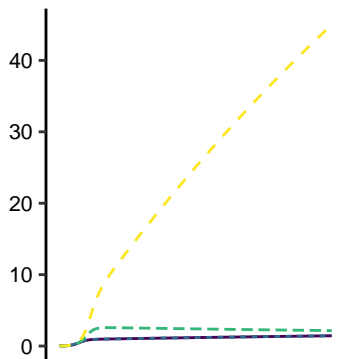
time

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

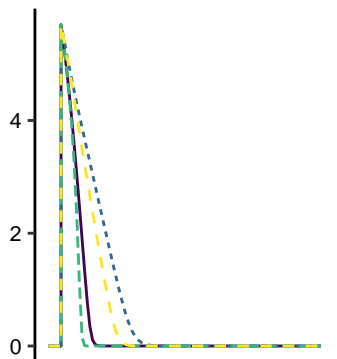


$z_nb = 1e-12$; $z_nc = 1e-08$

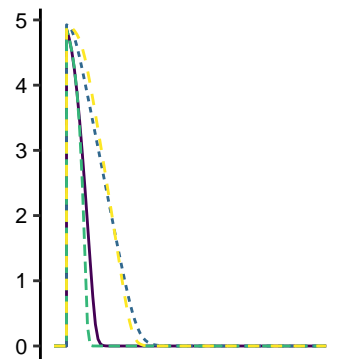
H



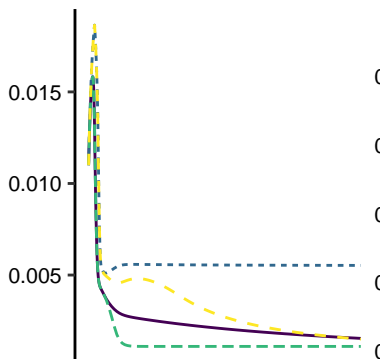
PAV_conc



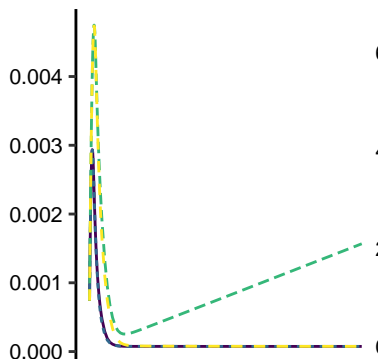
PAV_pop



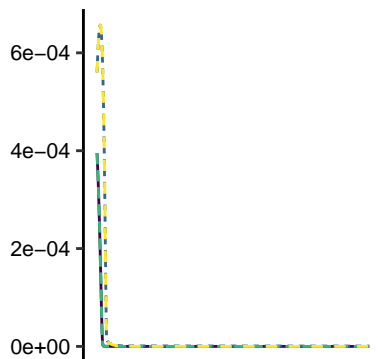
Q_n



Q_p



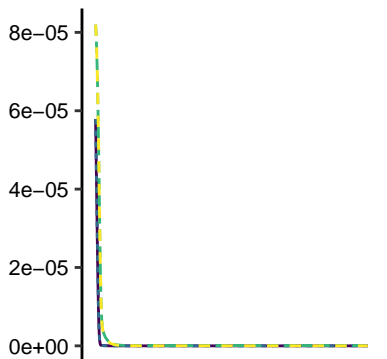
R_n



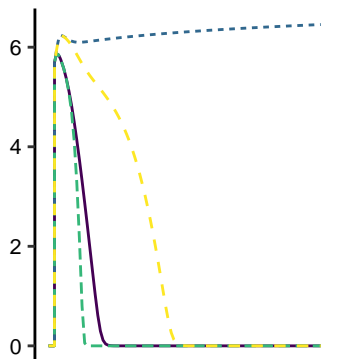
nutrient

low
+N
+P
+N+P

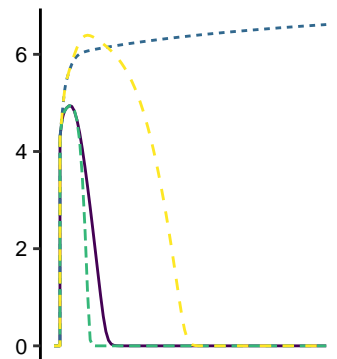
R_p



RPV_conc



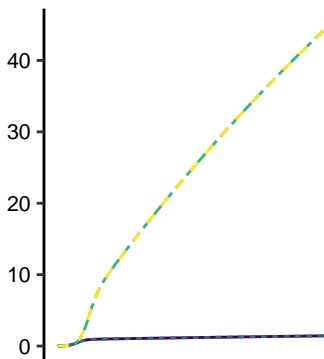
RPV_pop



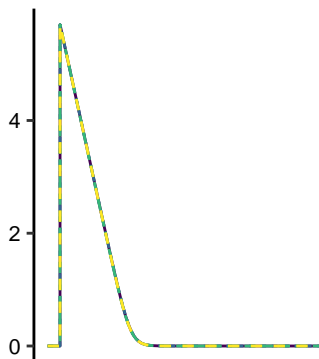
time

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

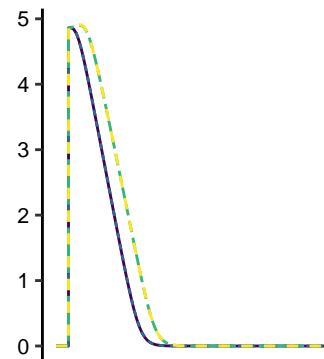
H



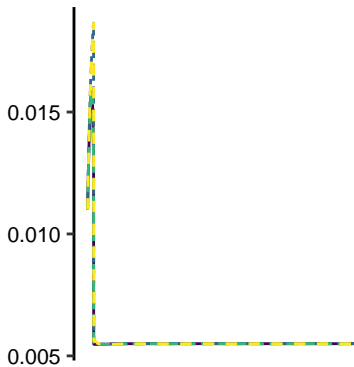
PAV_conc



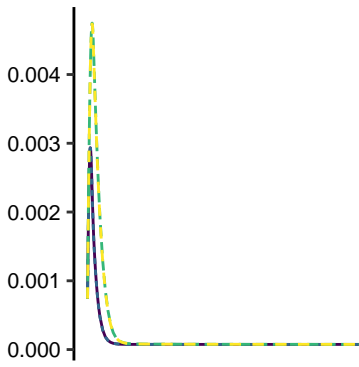
PAV_pop



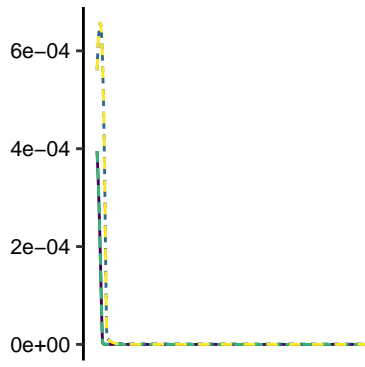
Q_n



Q_p



R_n



nutrient

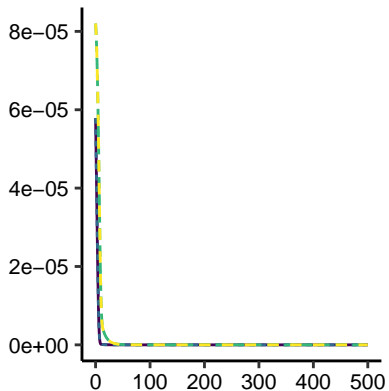
low

+N

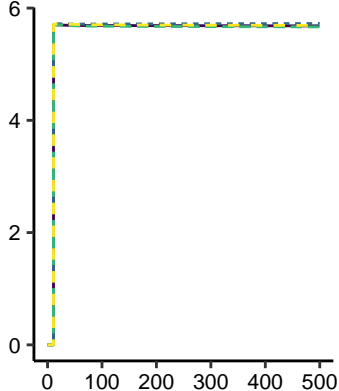
+P

+N+P

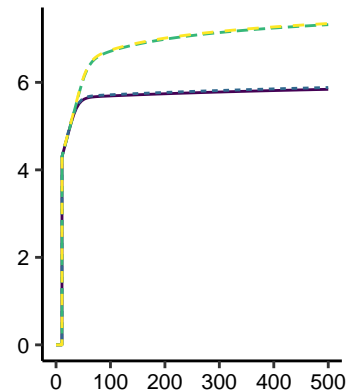
R_p



RPV_conc



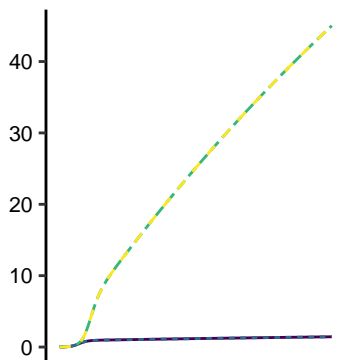
RPV_pop



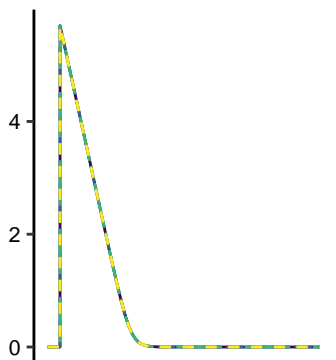
time

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

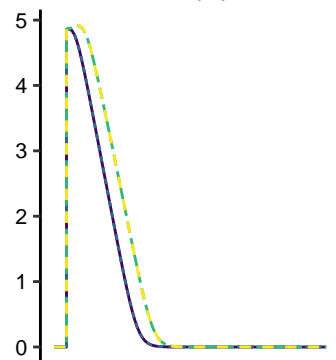
H



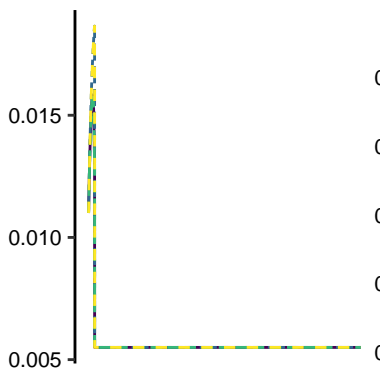
PAV_conc



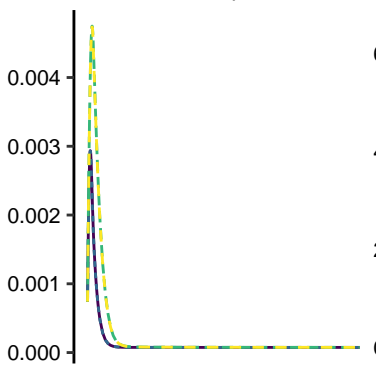
PAV_pop



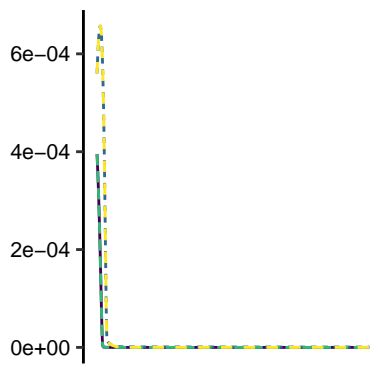
Q_n



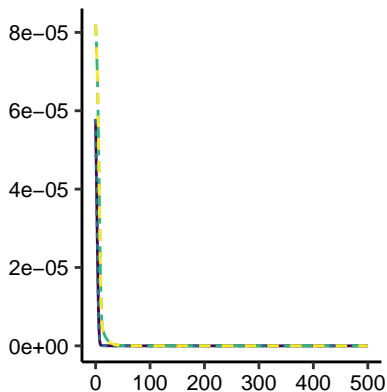
Q_p



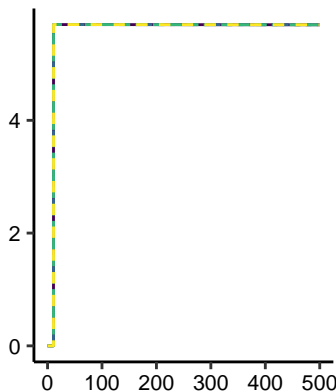
R_n



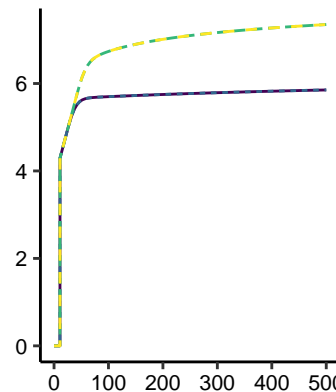
R_p



RPV_conc



RPV_pop

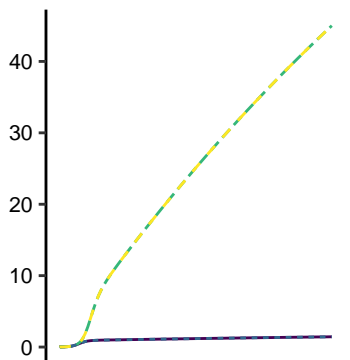


nutrient

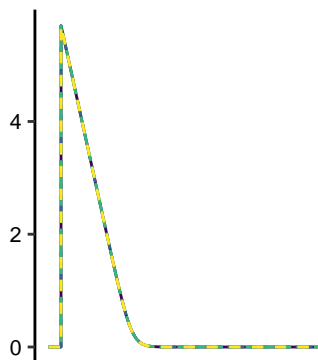
- low
- +N
- +P
- +N+P

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

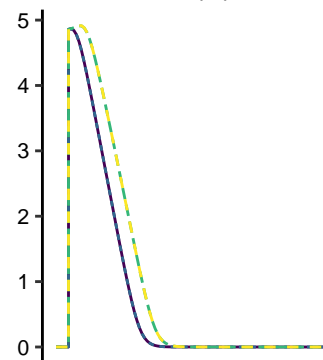
H



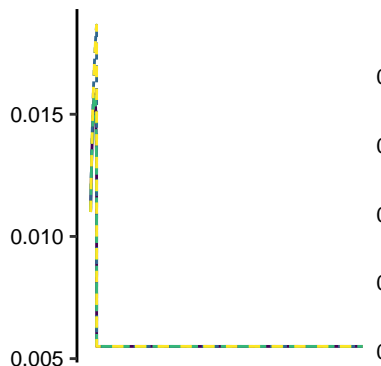
PAV_conc



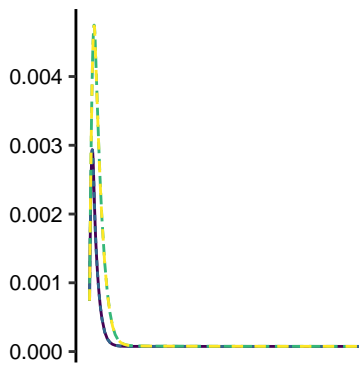
PAV_pop



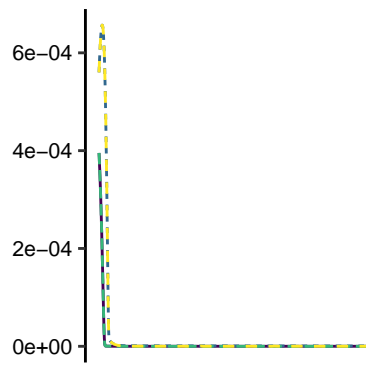
Q_n



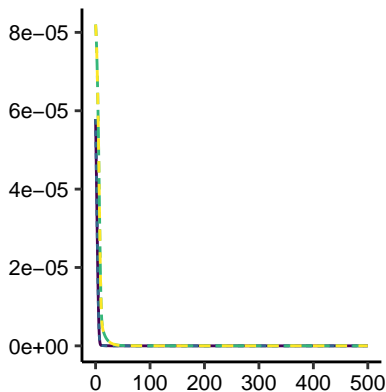
Q_p



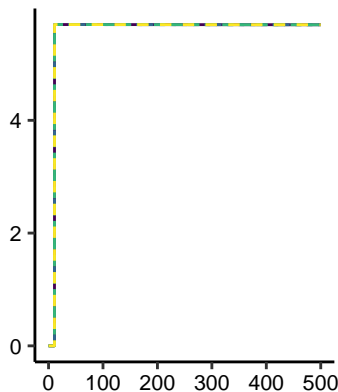
R_n



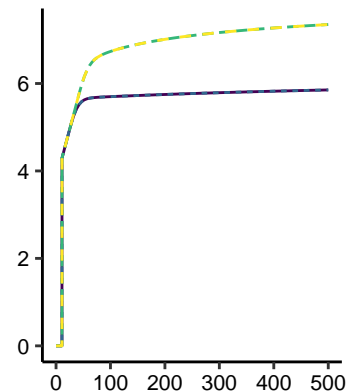
R_p



RPV_conc



RPV_pop

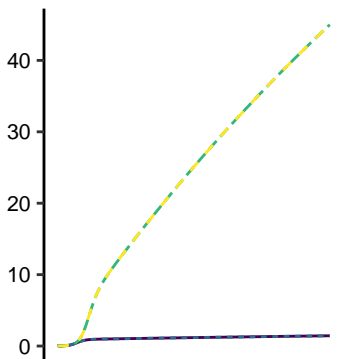


nutrient

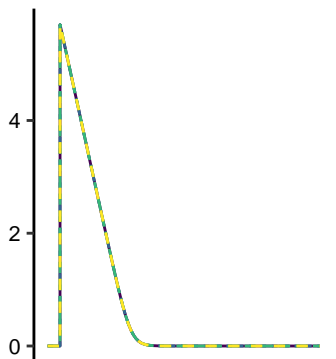
- low
- +N
- +P
- +N+P

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

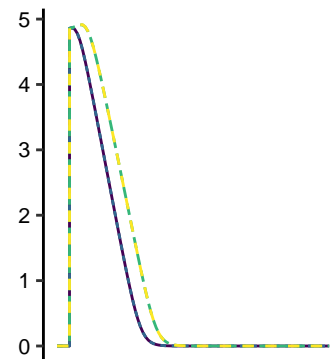
H



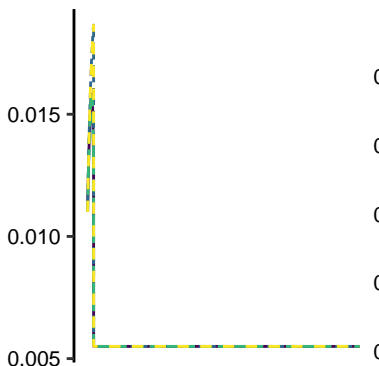
PAV_conc



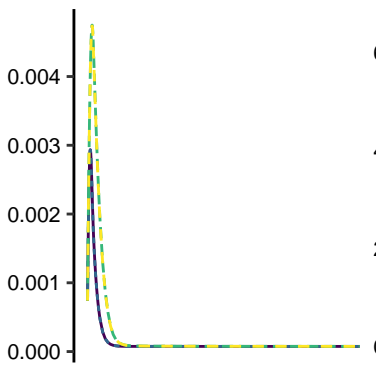
PAV_pop



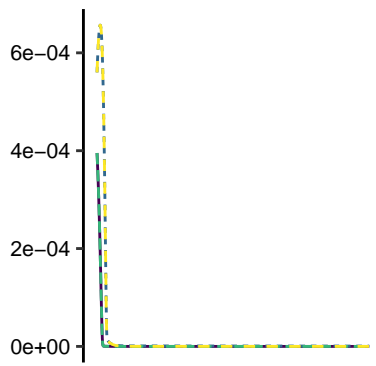
Q_n



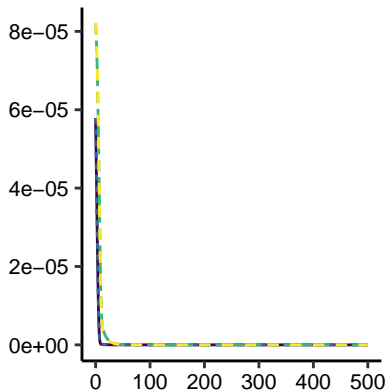
Q_p



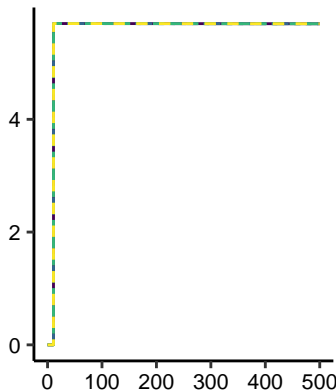
R_n



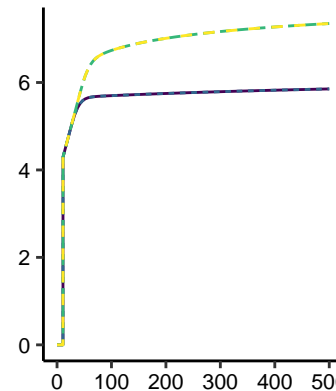
R_p



RPV_conc



RPV_pop



nutrient

low

+N

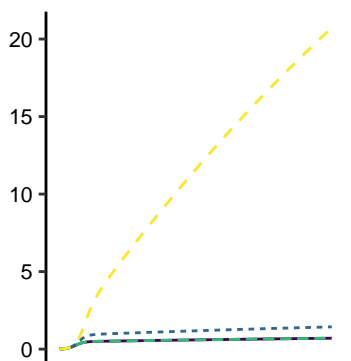
+P

+N+P

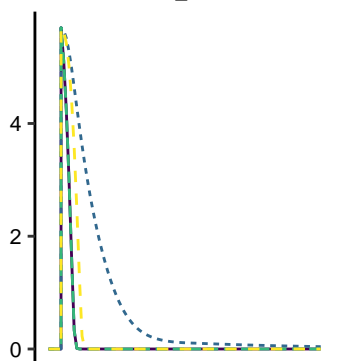
time

$z_{nb} = 1e-10$; $z_{nc} = 1e-18$

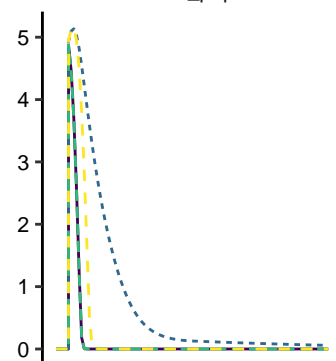
H



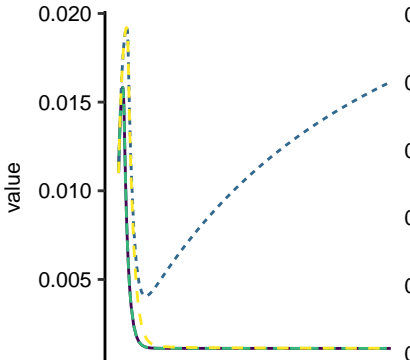
PAV_conc



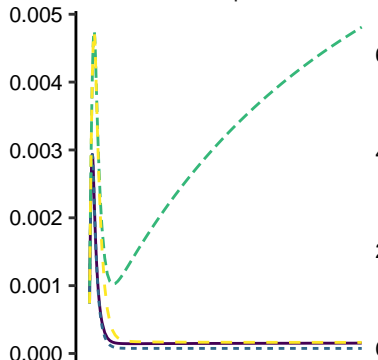
PAV_pop



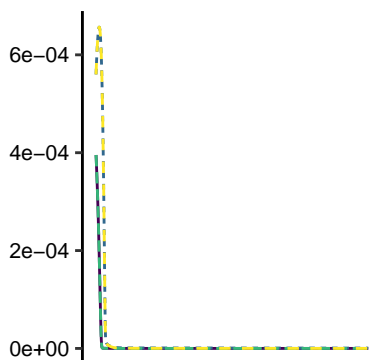
Q_n



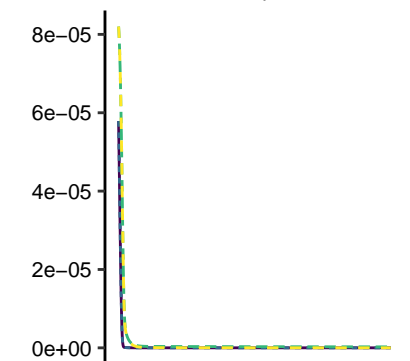
Q_p



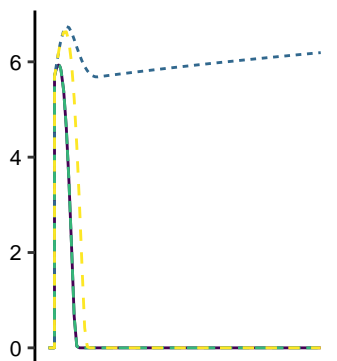
R_n



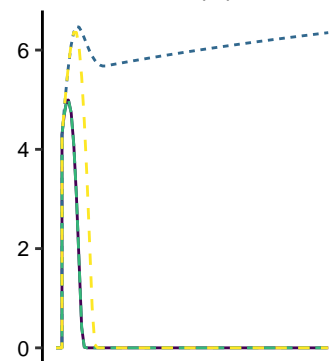
R_p



RPV_conc



RPV_pop



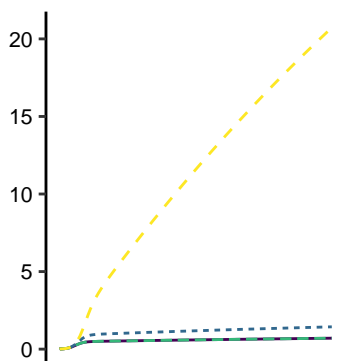
nutrient

- low
- +N
- +P
- +N+P

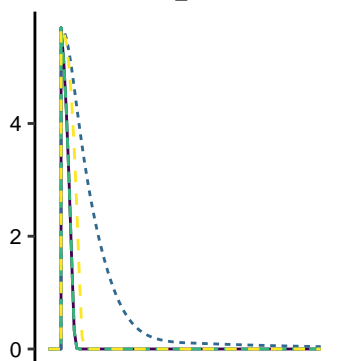
time

$z_{nb} = 1e-10$; $z_{nc} = 1e-16$

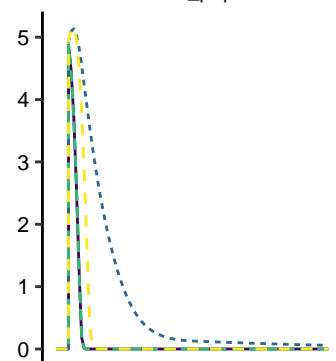
H



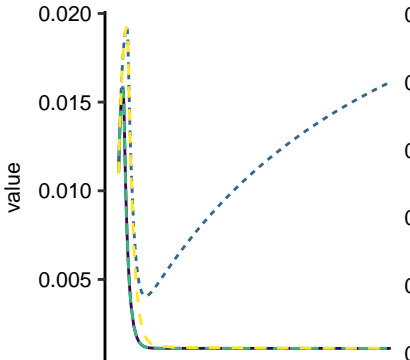
PAV_conc



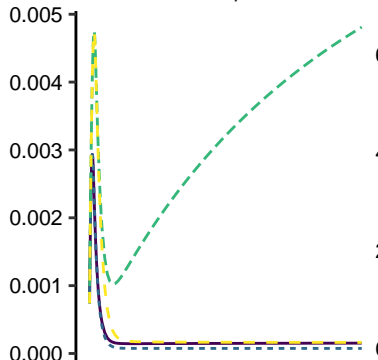
PAV_pop



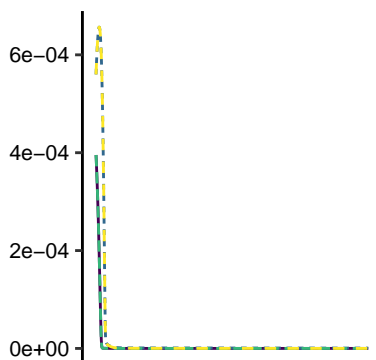
Q_n



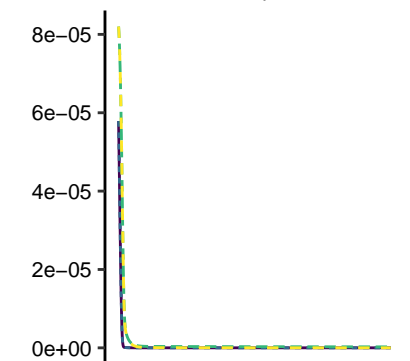
Q_p



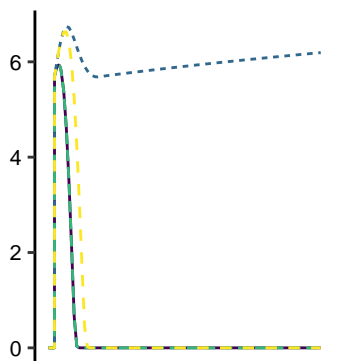
R_n



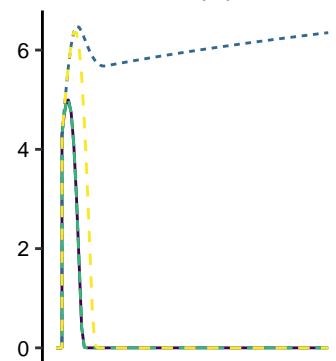
R_p



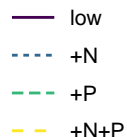
RPV_conc



RPV_pop

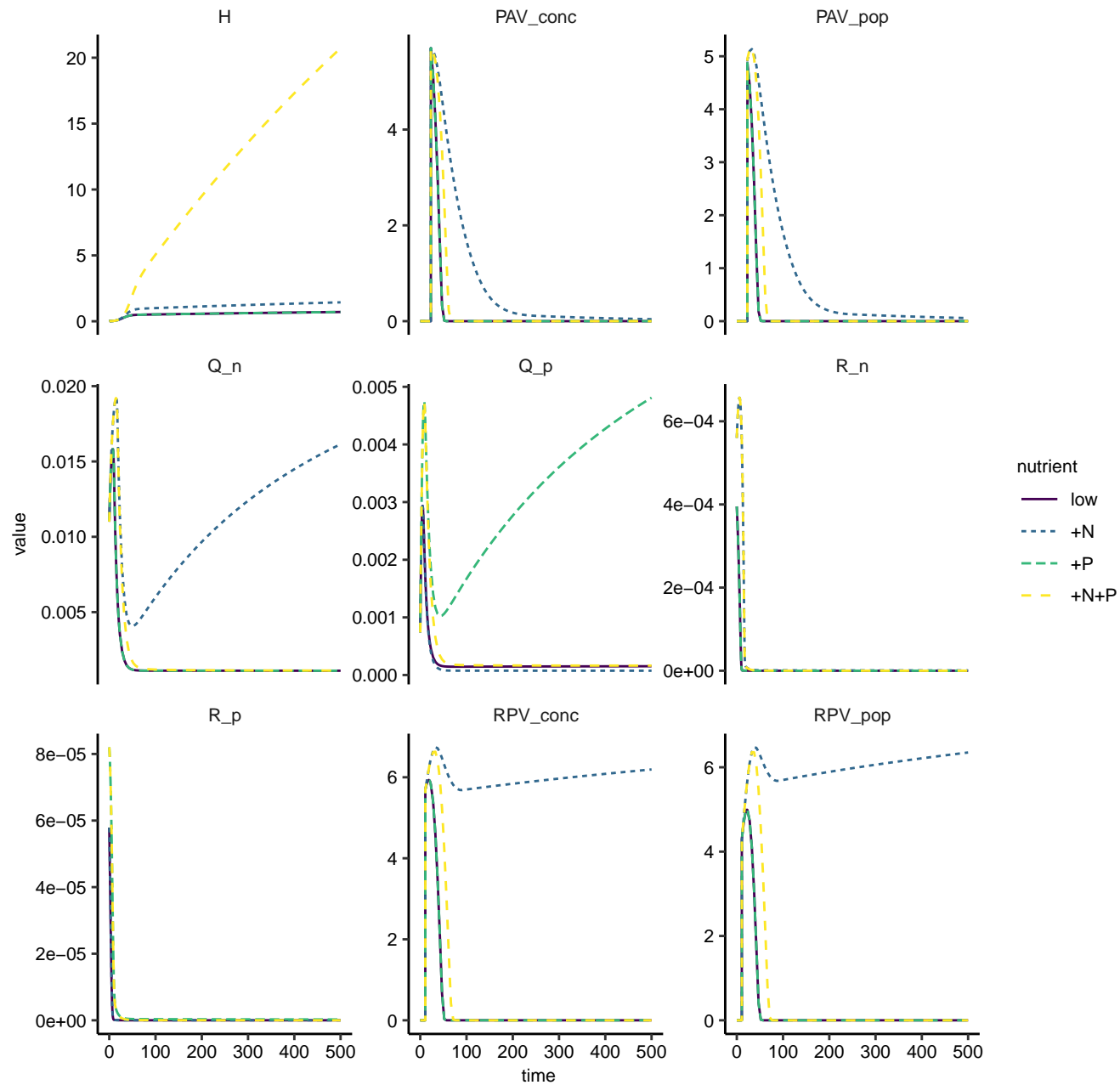


nutrient



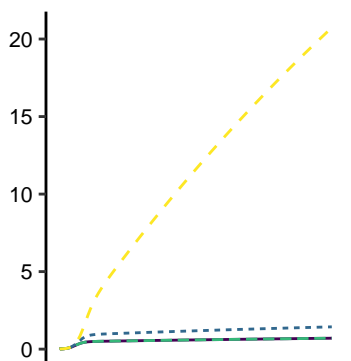
time

$z_{nb} = 1e-10$; $z_{nc} = 1e-14$

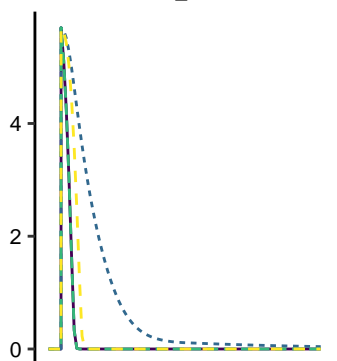


$z_{nb} = 1e-10$; $z_{nc} = 1e-12$

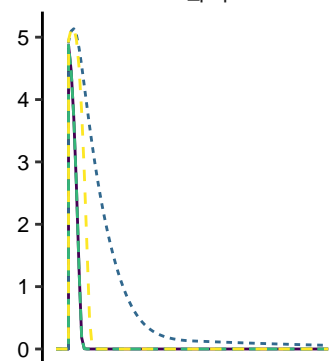
H



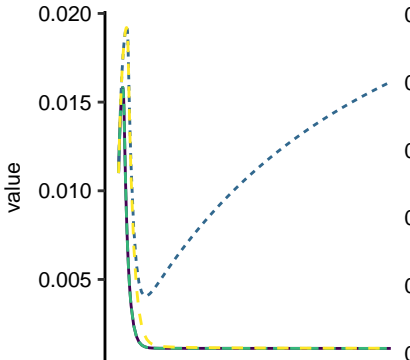
PAV_conc



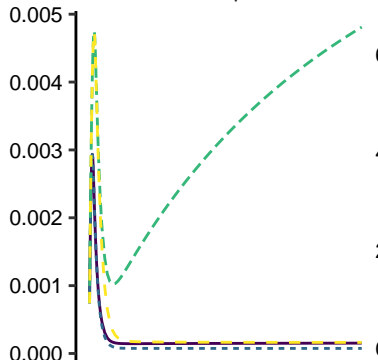
PAV_pop



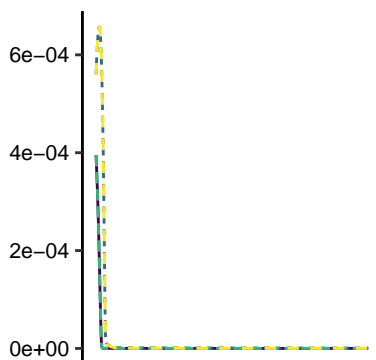
Q_n



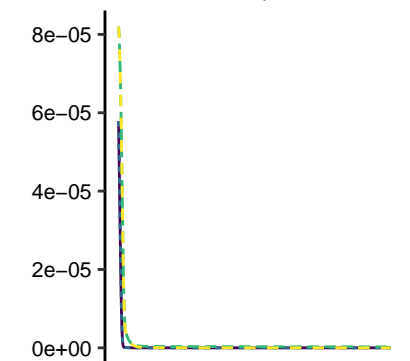
Q_p



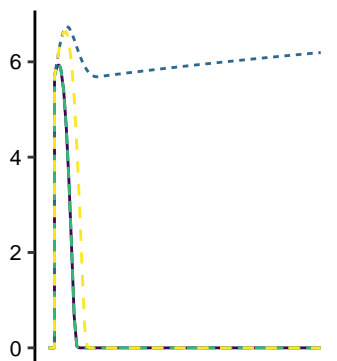
R_n



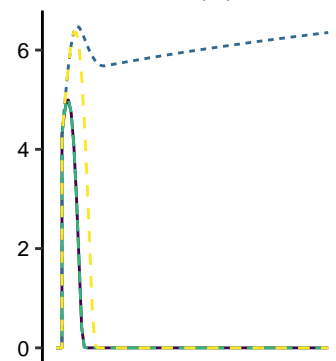
R_p



RPV_conc



RPV_pop

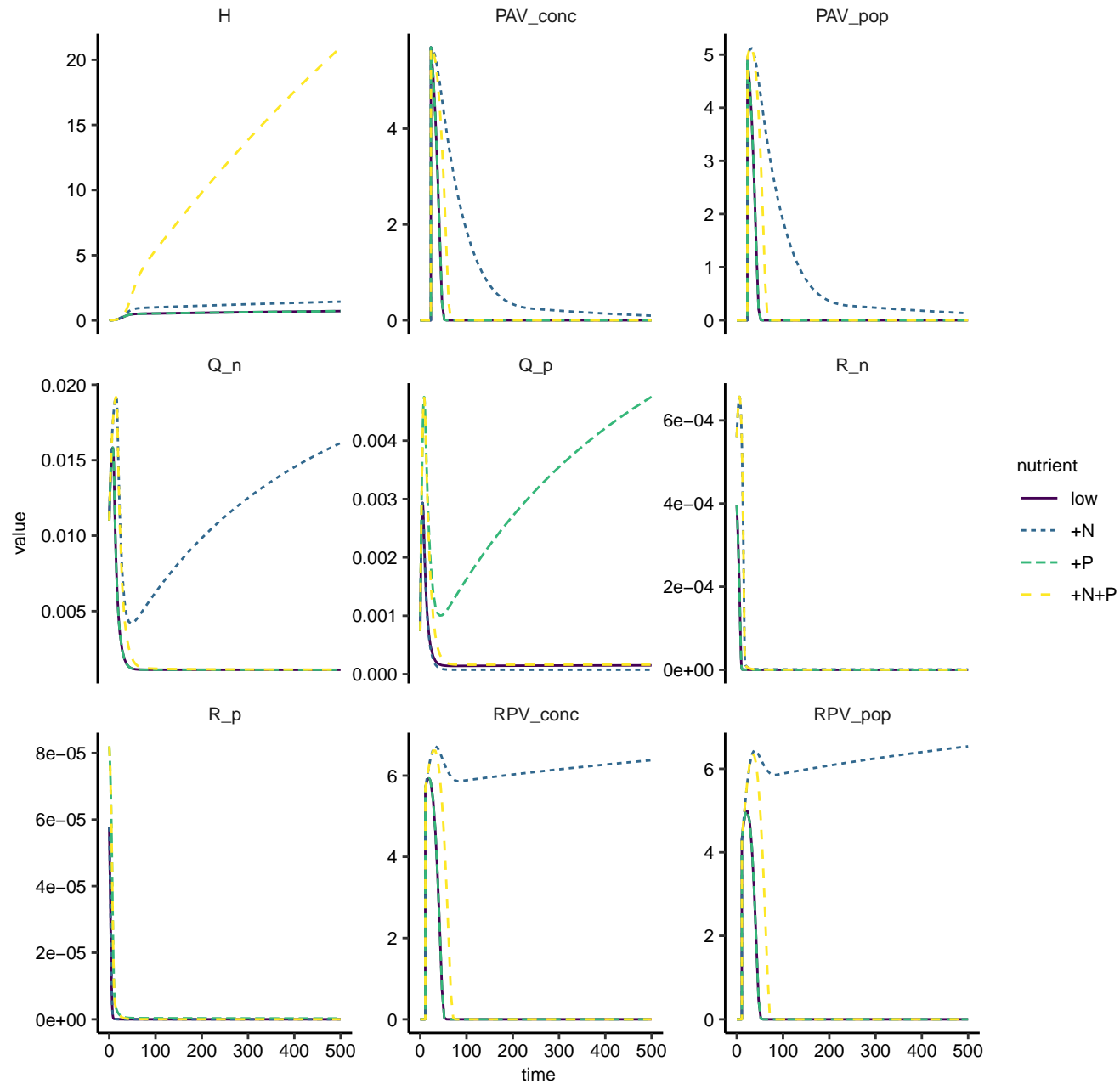


nutrient

- low
- +N
- +P
- +N+P

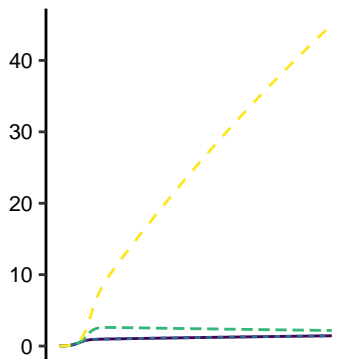
time

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

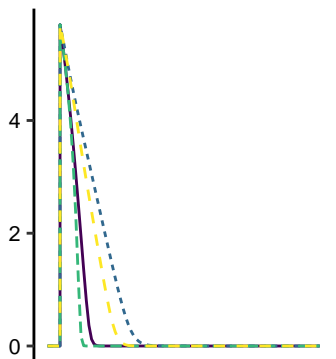


$z_nb = 1e-10$; $z_nc = 1e-08$

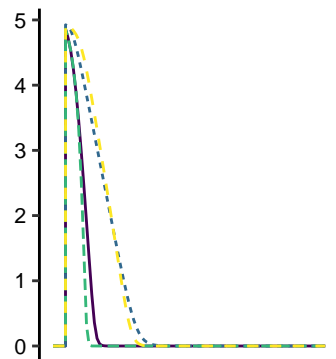
H



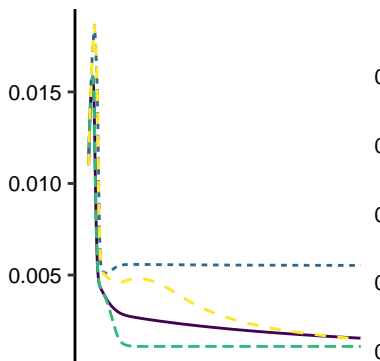
PAV_conc



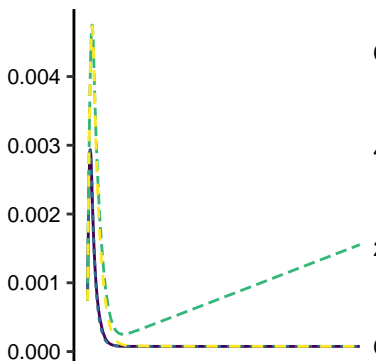
PAV_pop



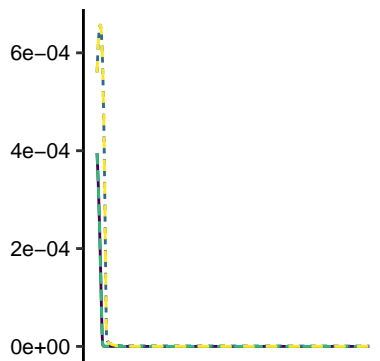
Q_n



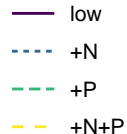
Q_p



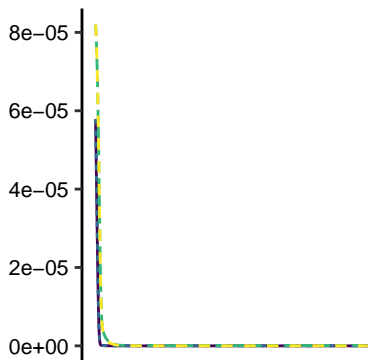
R_n



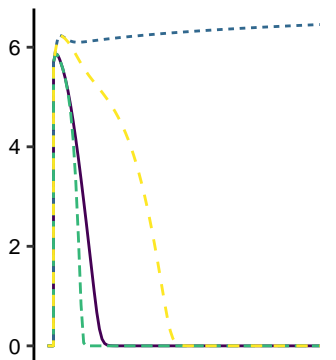
nutrient



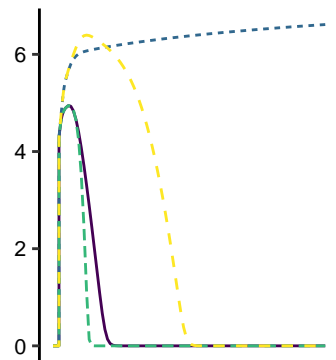
R_p



RPV_conc



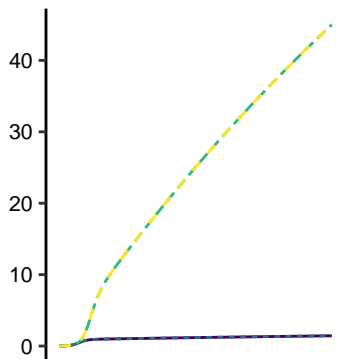
RPV_pop



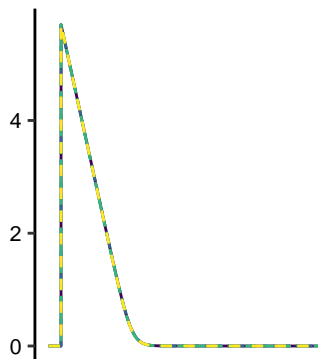
time

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

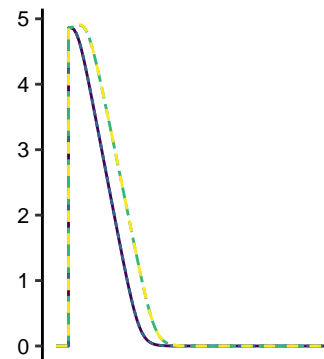
H



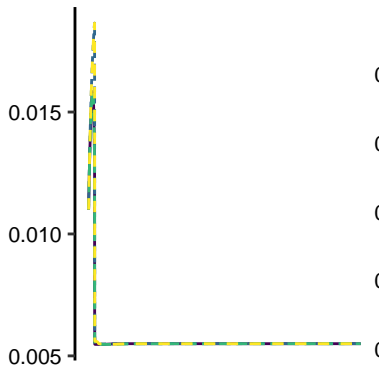
PAV_conc



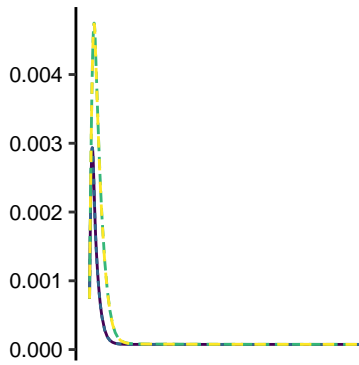
PAV_pop



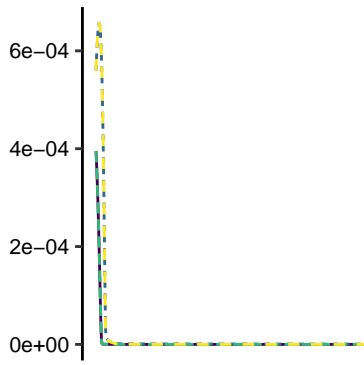
Q_n



Q_p



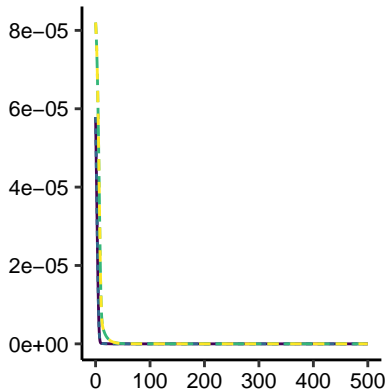
R_n



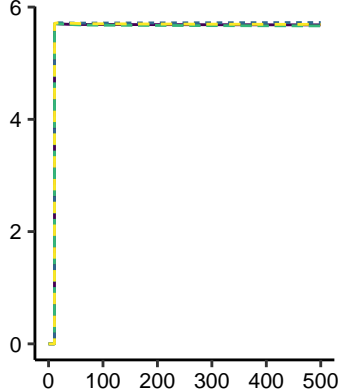
nutrient

- low
- +N
- +P
- +N+P

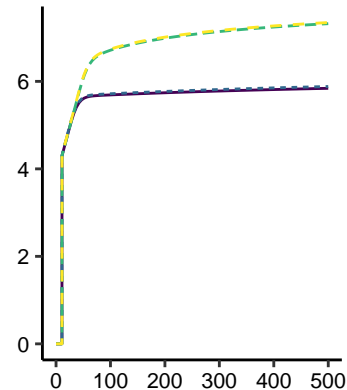
R_p



RPV_conc



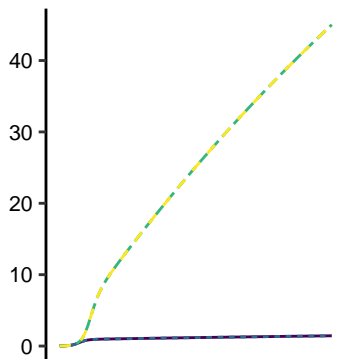
RPV_pop



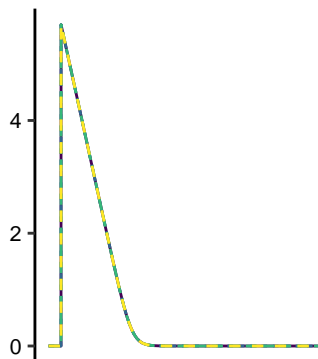
time

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

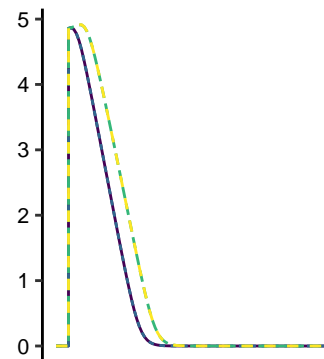
H



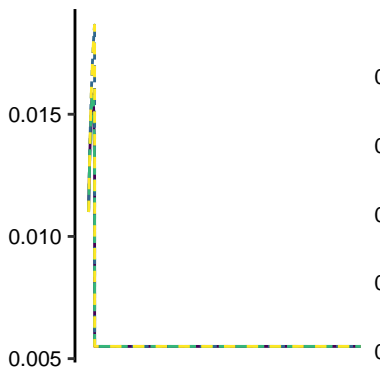
PAV_conc



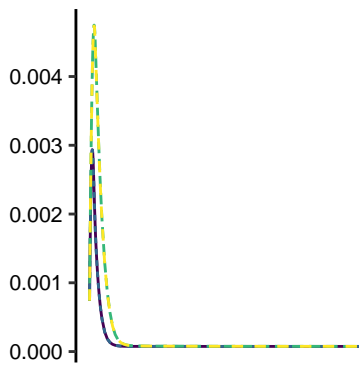
PAV_pop



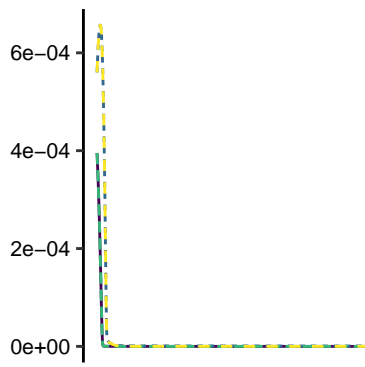
Q_n



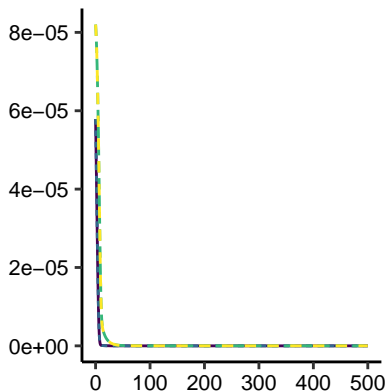
Q_p



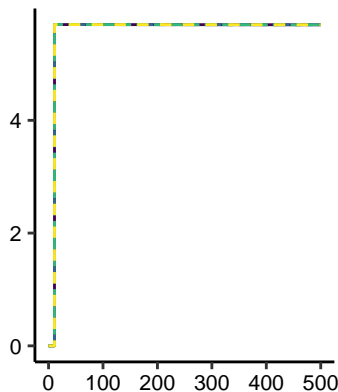
R_n



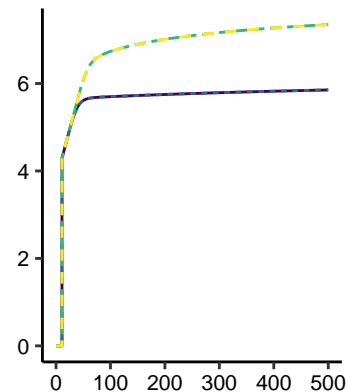
R_p



RPV_conc



RPV_pop



nutrient

low

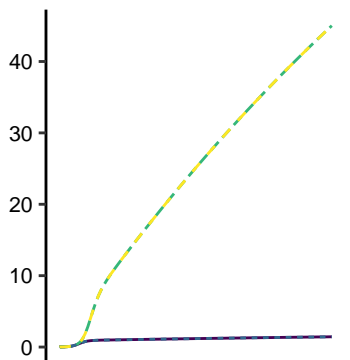
+N

+P

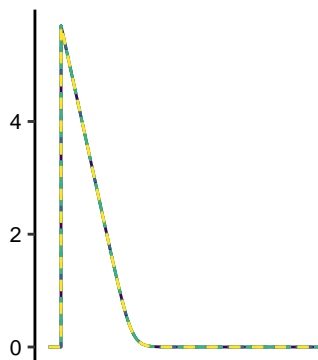
+N+P

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

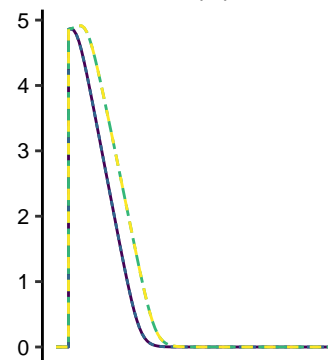
H



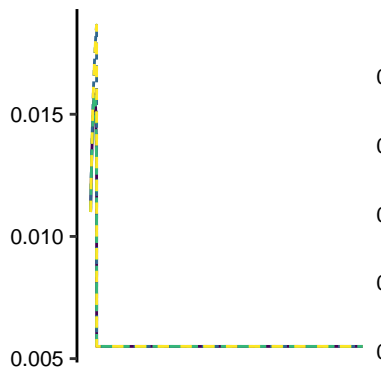
PAV_conc



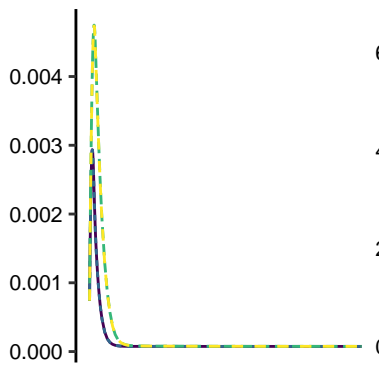
PAV_pop



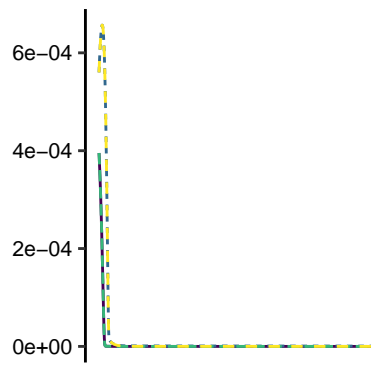
Q_n



Q_p



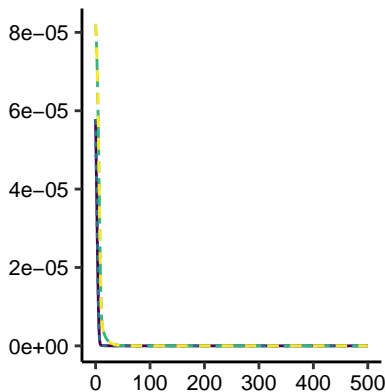
R_n



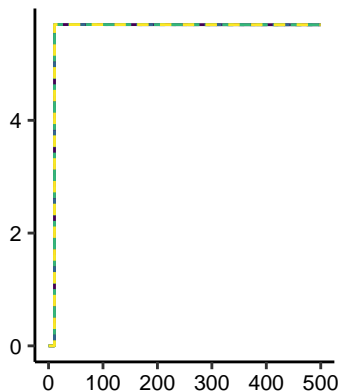
nutrient

low
+N
+P
+N+P

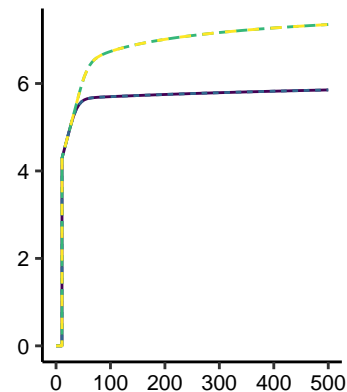
R_p



RPV_conc



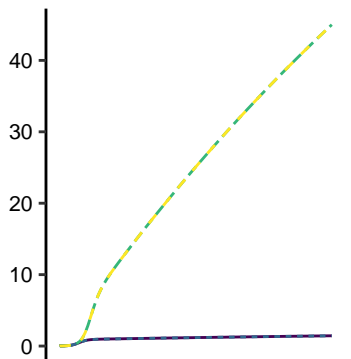
RPV_pop



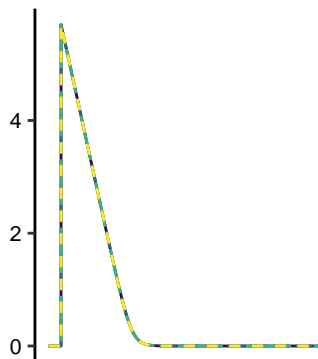
time

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

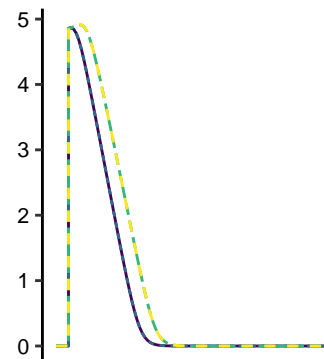
H



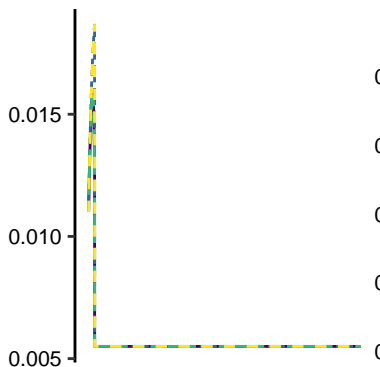
PAV_conc



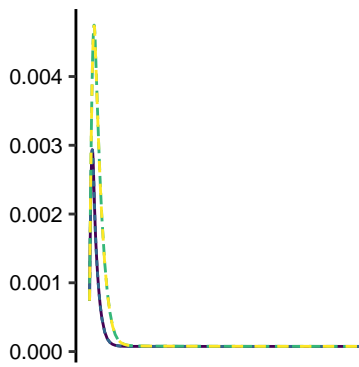
PAV_pop



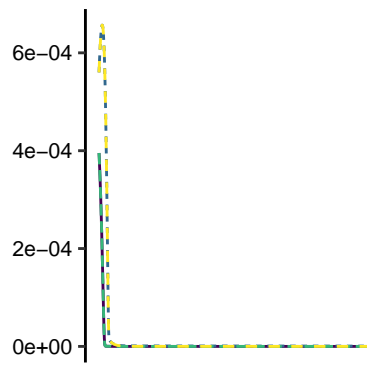
Q_n



Q_p



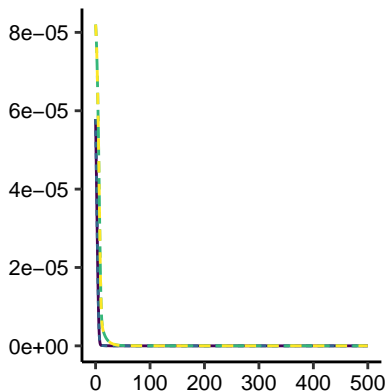
R_n



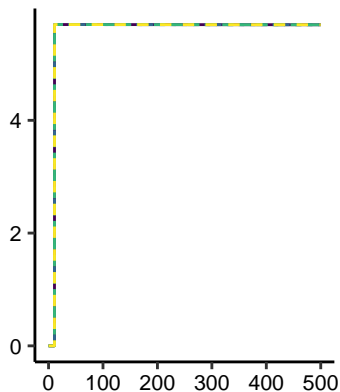
nutrient

- low
- +N
- +P
- +N+P

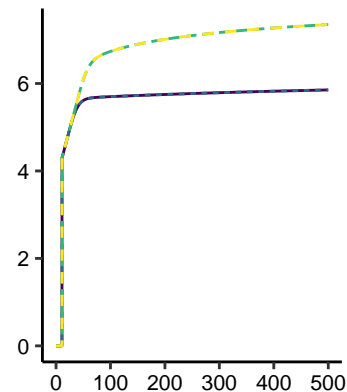
R_p



RPV_conc



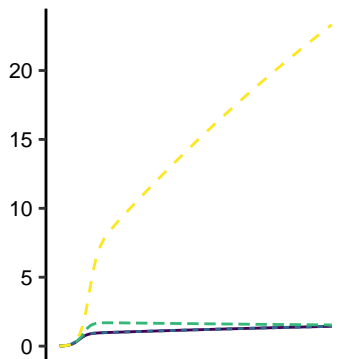
RPV_pop



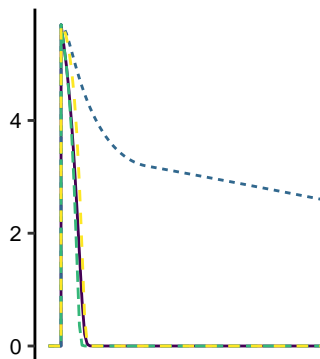
time

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

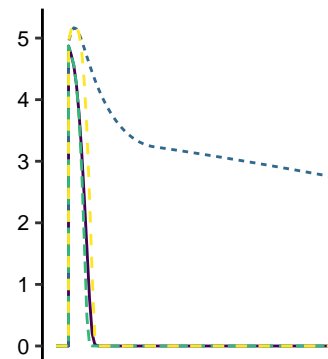
H



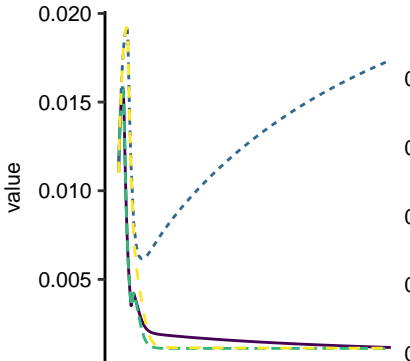
PAV_conc



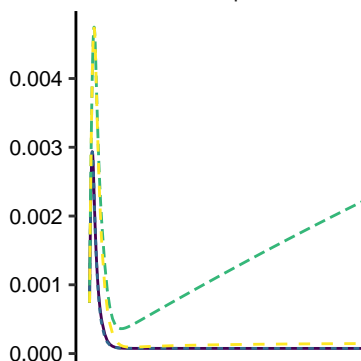
PAV_pop



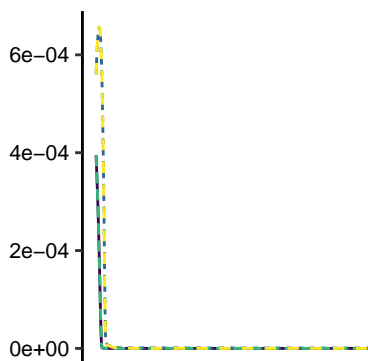
Q_n



Q_p



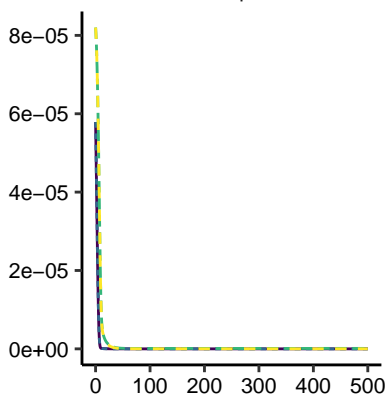
R_n



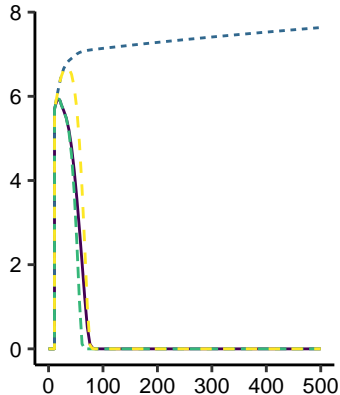
nutrient

low
+N
+P
+N+P

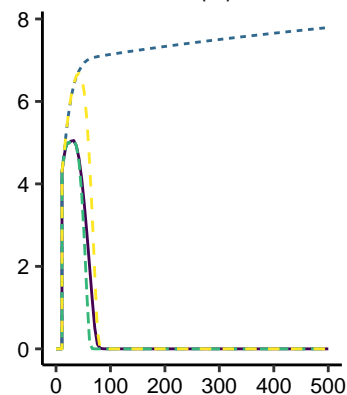
R_p



RPV_conc



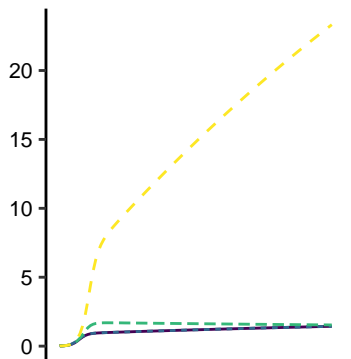
RPV_pop



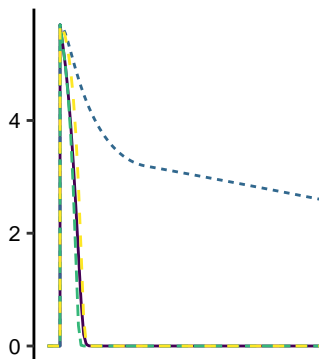
time

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

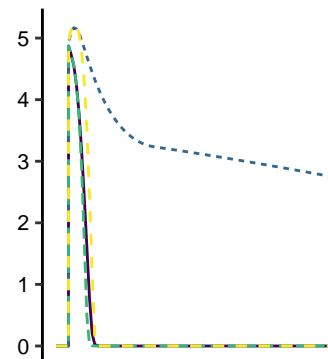
H



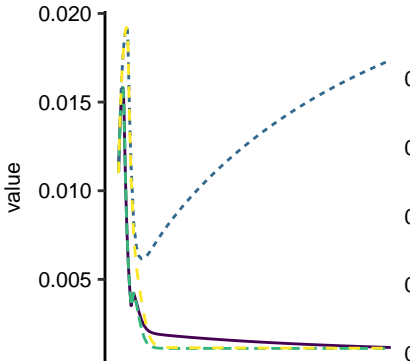
PAV_conc



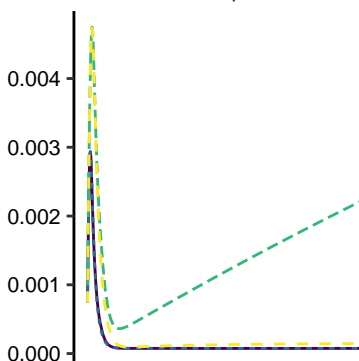
PAV_pop



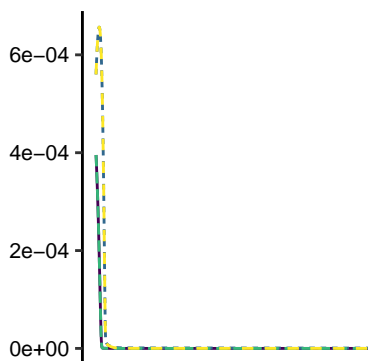
Q_n



Q_p



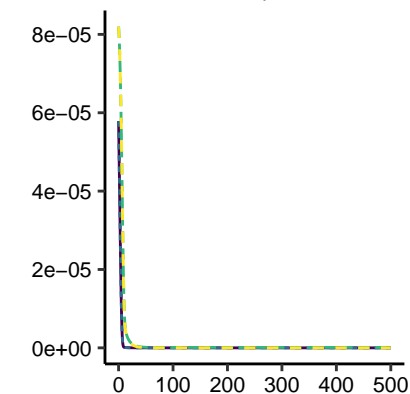
R_n



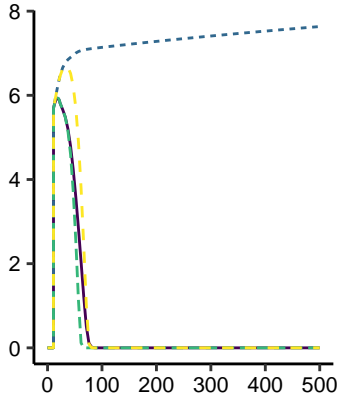
nutrient

low
+N
+P
+N+P

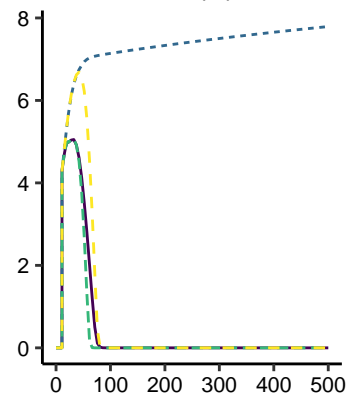
R_p



RPV_conc



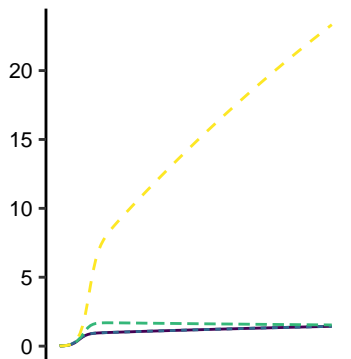
RPV_pop



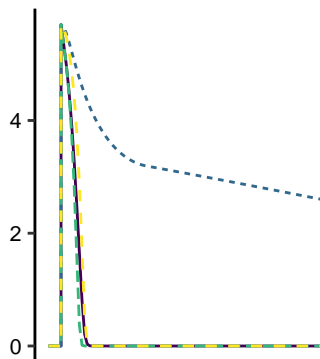
time

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

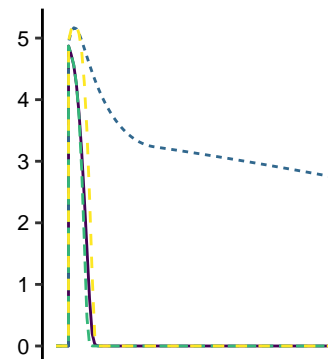
H



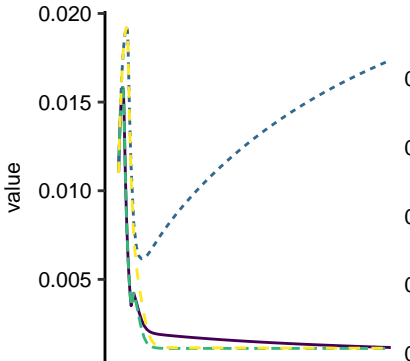
PAV_conc



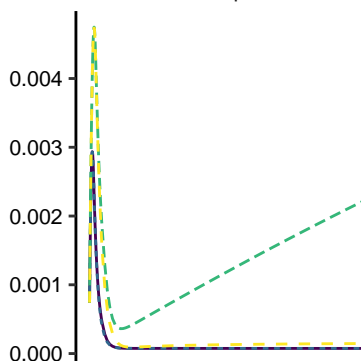
PAV_pop



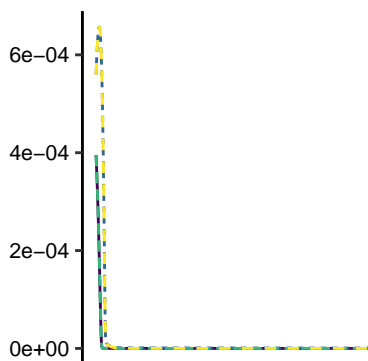
Q_n



Q_p



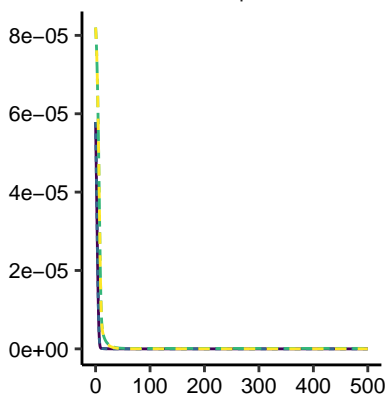
R_n



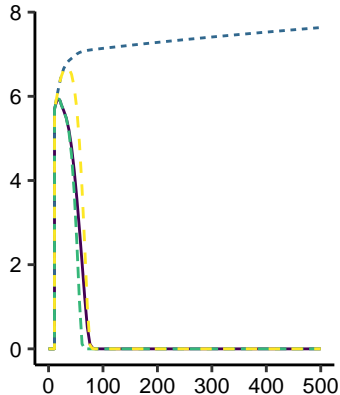
nutrient

low
+N
+P
+N+P

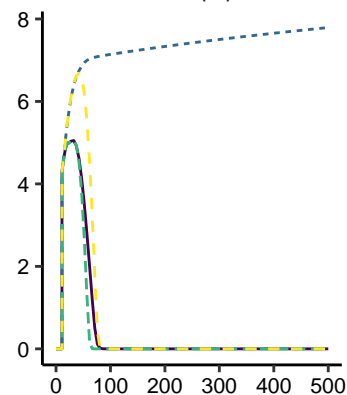
R_p



RPV_conc



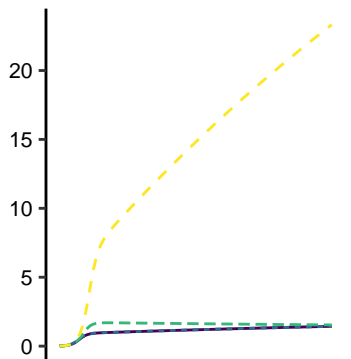
RPV_pop



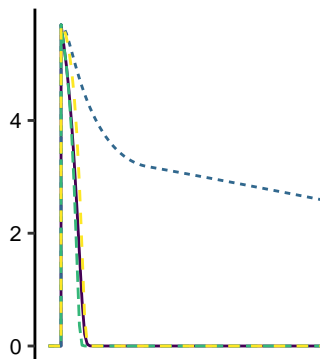
time

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

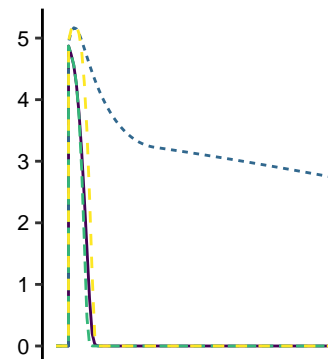
H



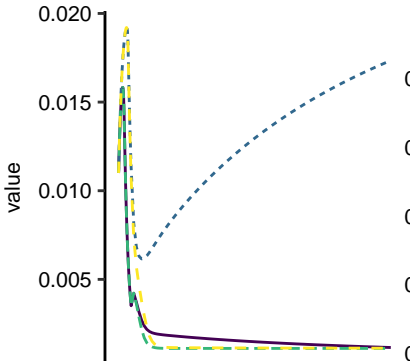
PAV_conc



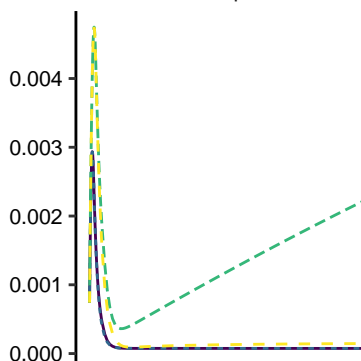
PAV_pop



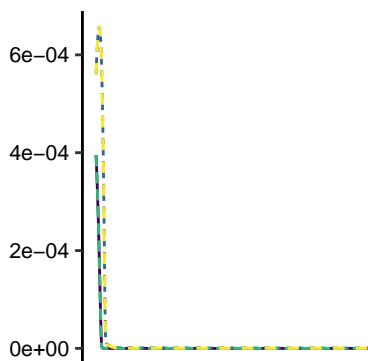
Q_n



Q_p



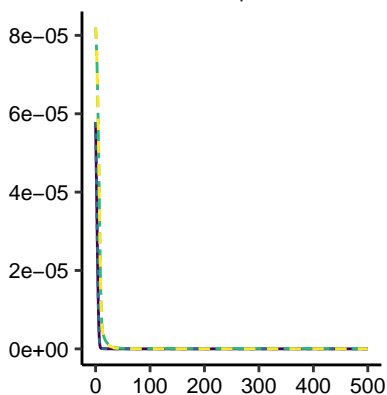
R_n



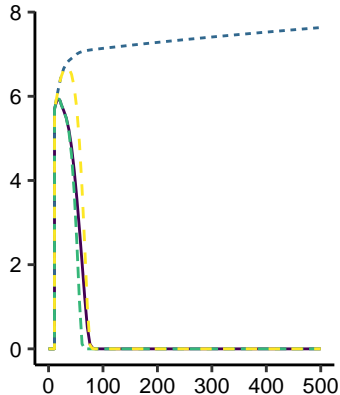
nutrient

- low
- +N
- +P
- +N+P

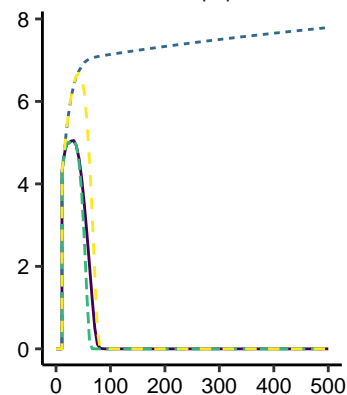
R_p



RPV_conc

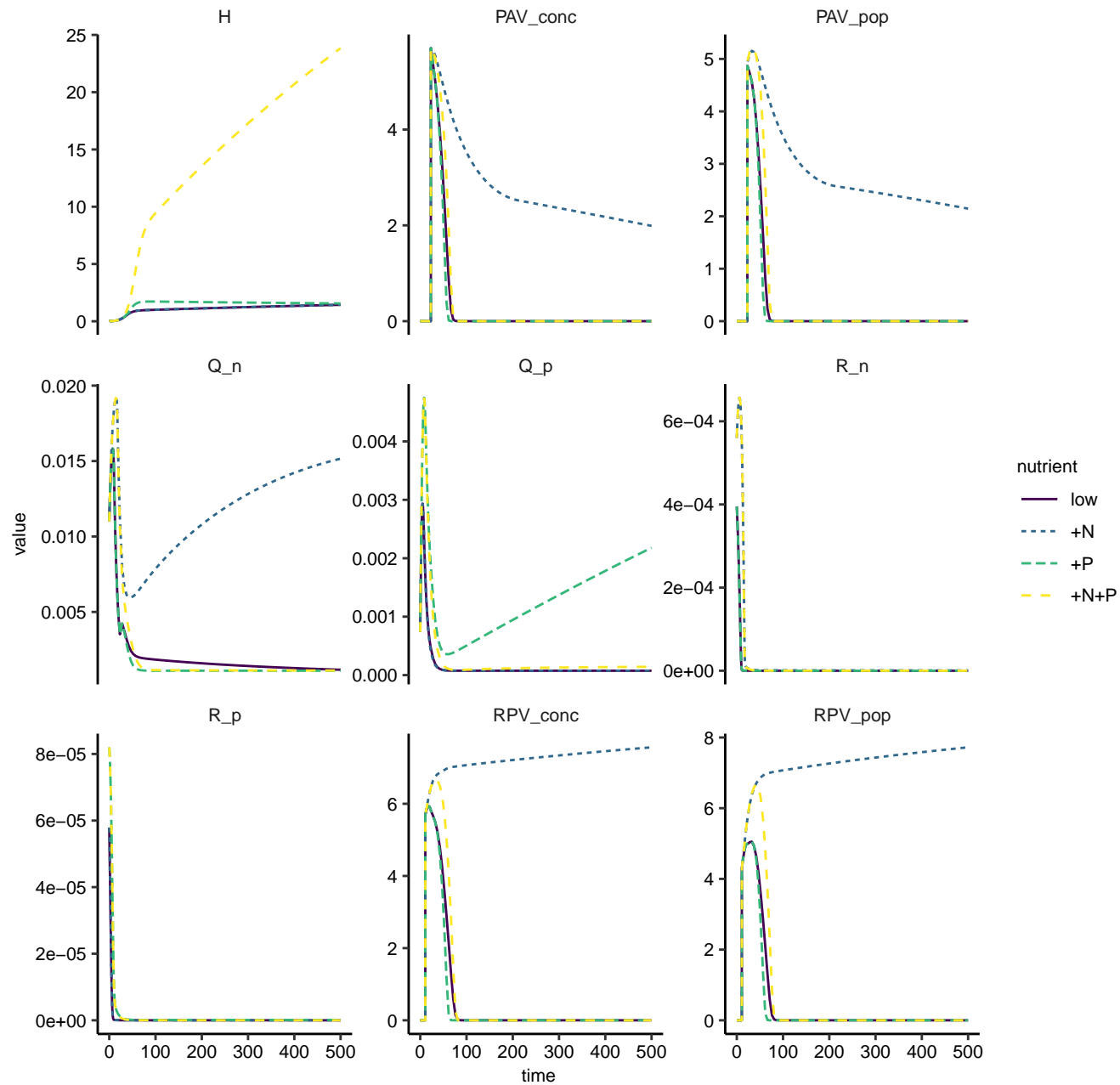


RPV_pop



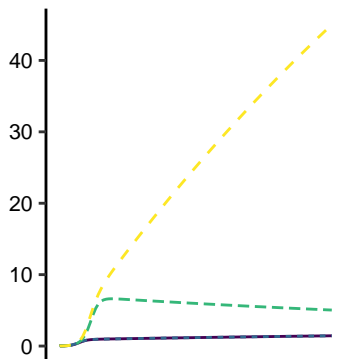
time

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

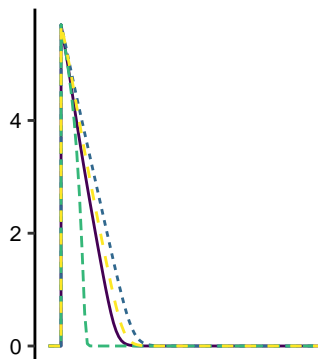


$z_nb = 1e-08$; $z_nc = 1e-08$

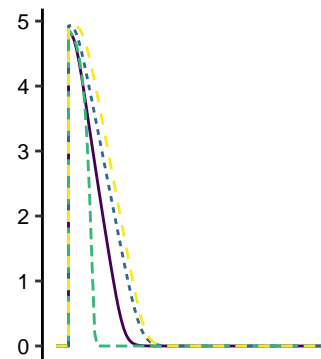
H



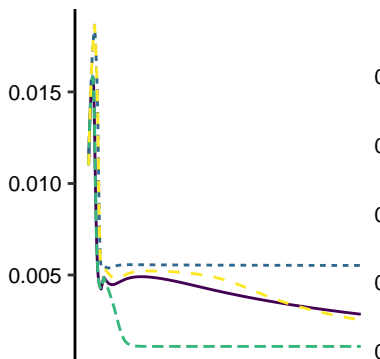
PAV_conc



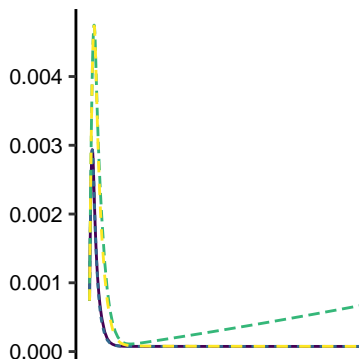
PAV_pop



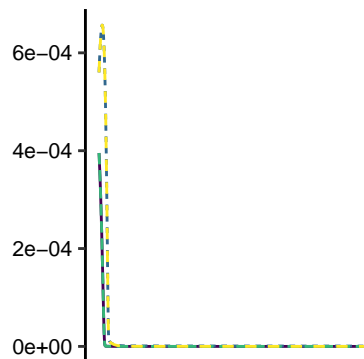
Q_n



Q_p



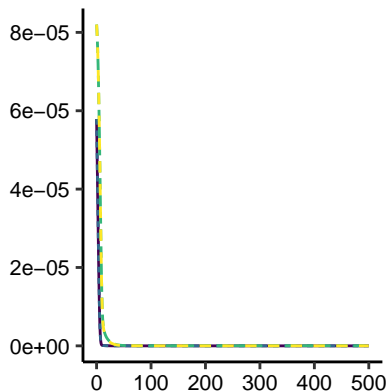
R_n



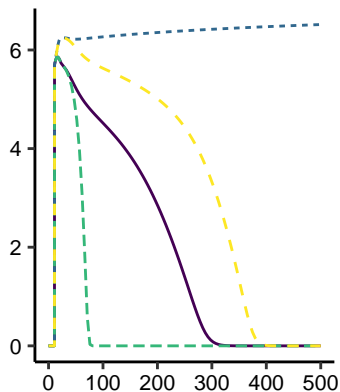
nutrient

low
+N
+P
+N+P

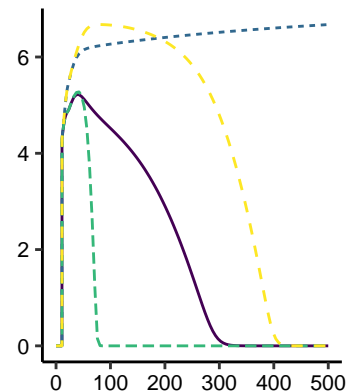
R_p



RPV_conc



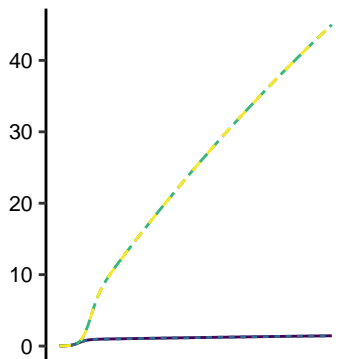
RPV_pop



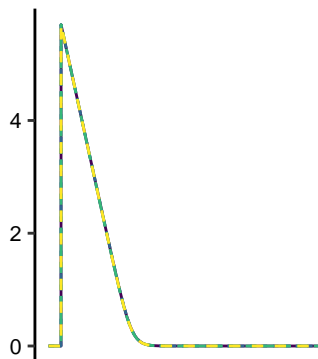
time

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

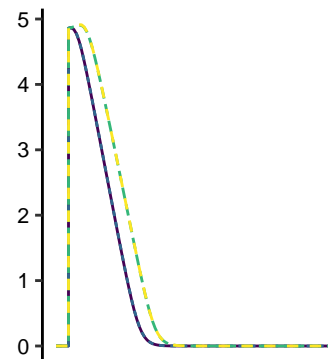
H



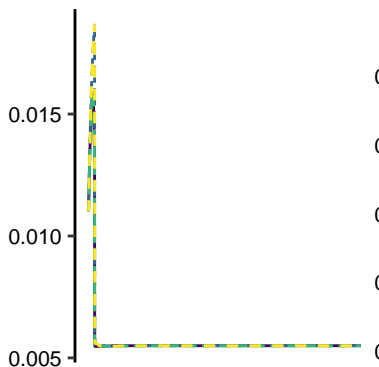
PAV_conc



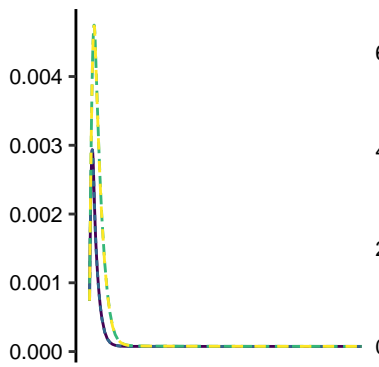
PAV_pop



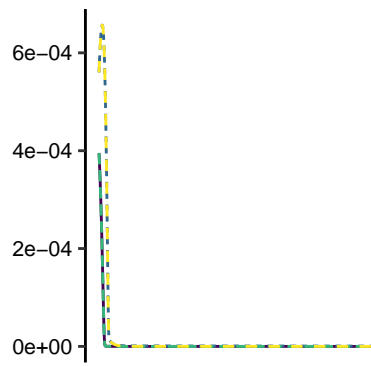
Q_n



Q_p



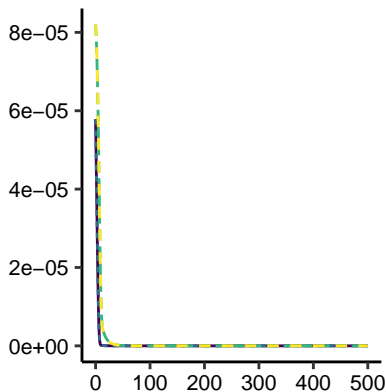
R_n



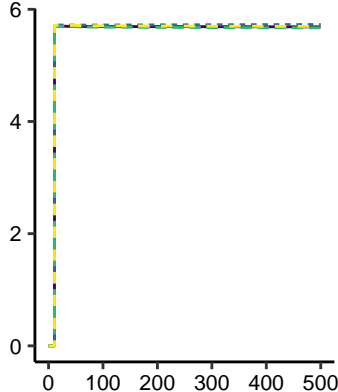
nutrient

- low
- +N
- +P
- +N+P

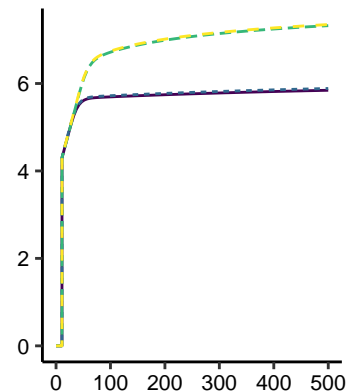
R_p



RPV_conc



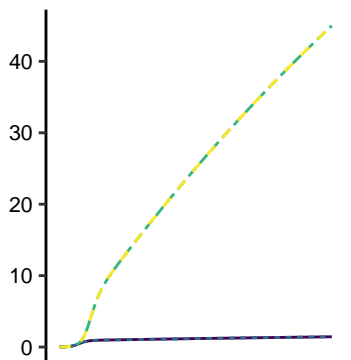
RPV_pop



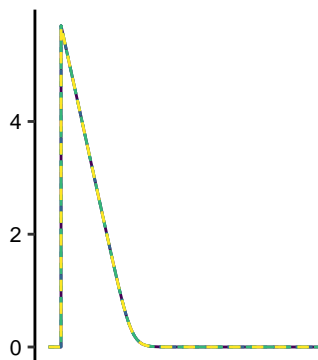
time

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

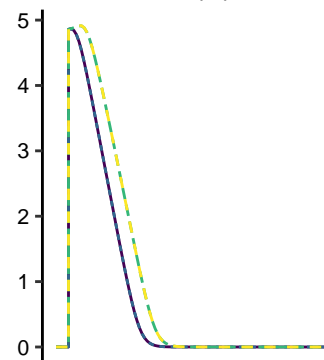
H



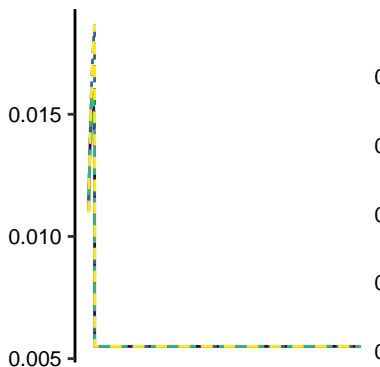
PAV_conc



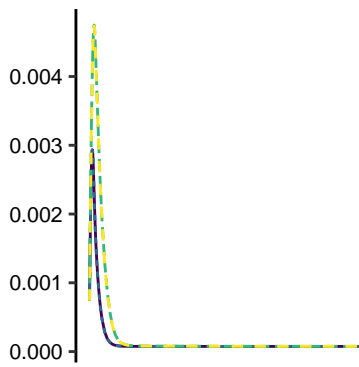
PAV_pop



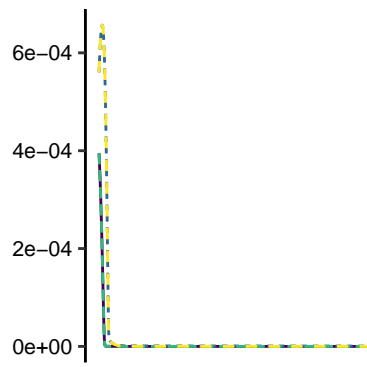
Q_n



Q_p



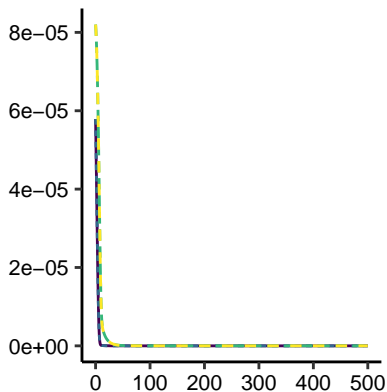
R_n



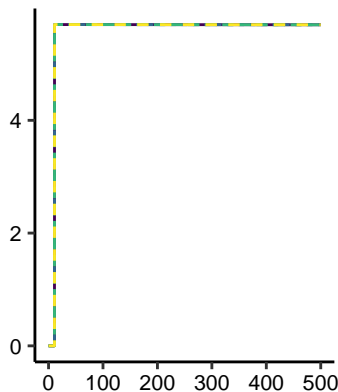
nutrient

low
+N
+P
+N+P

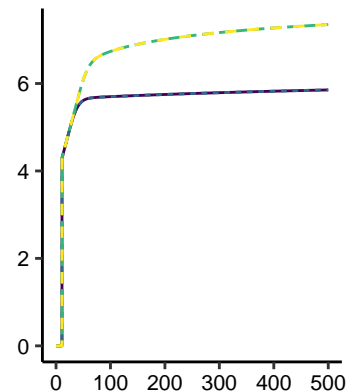
R_p



RPV_conc



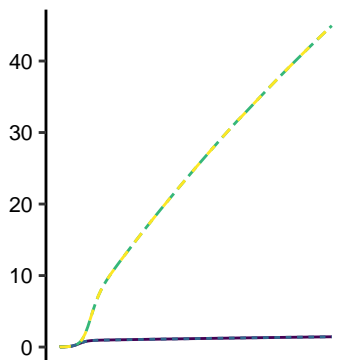
RPV_pop



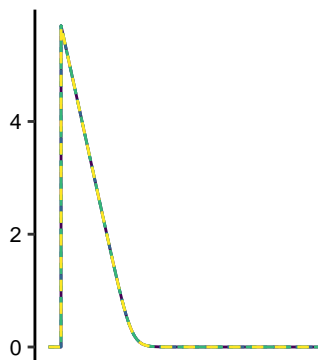
time

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

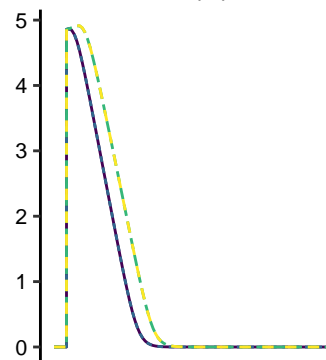
H



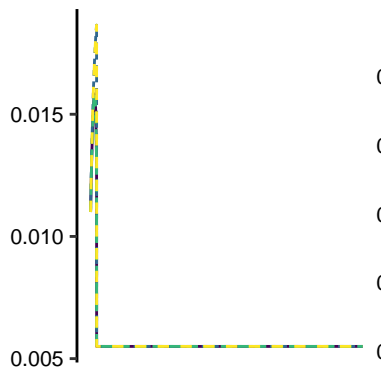
PAV_conc



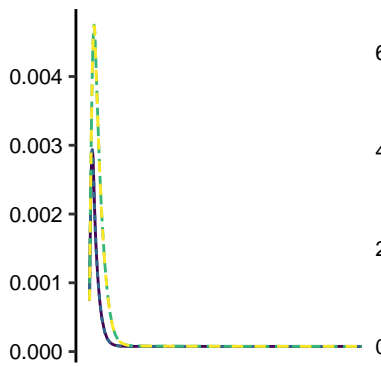
PAV_pop



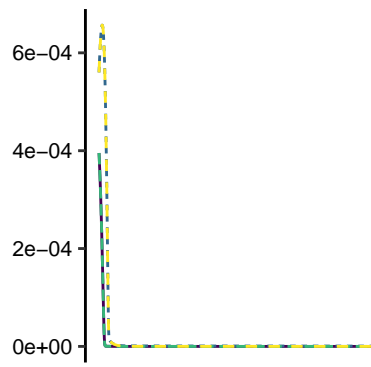
Q_n



Q_p



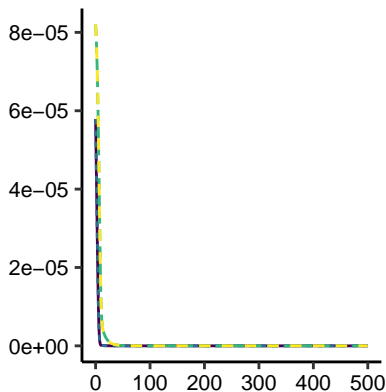
R_n



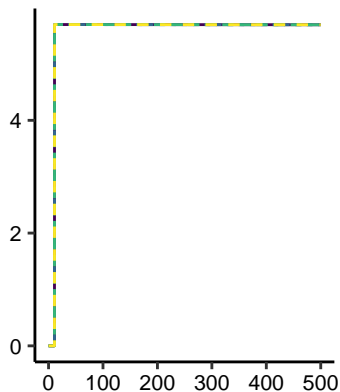
nutrient

low
+N
+P
+N+P

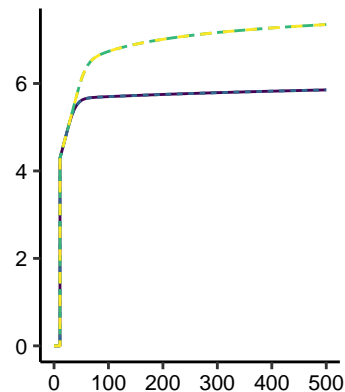
R_p



RPV_conc



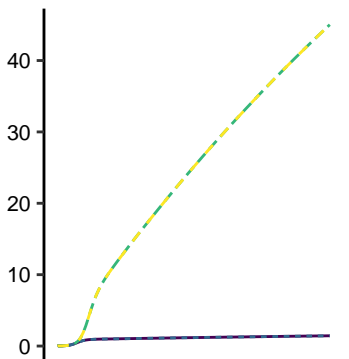
RPV_pop



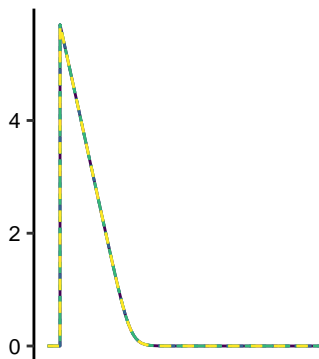
time

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

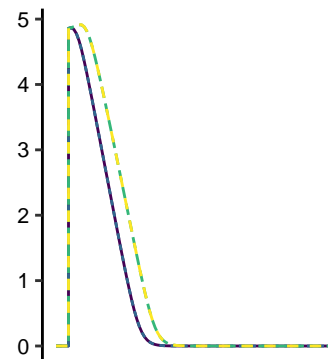
H



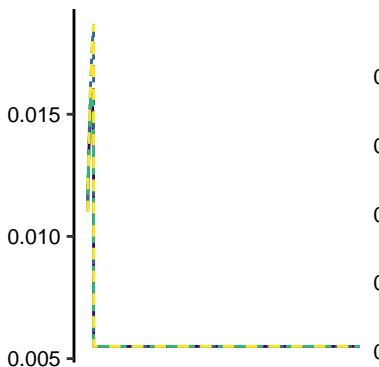
PAV_conc



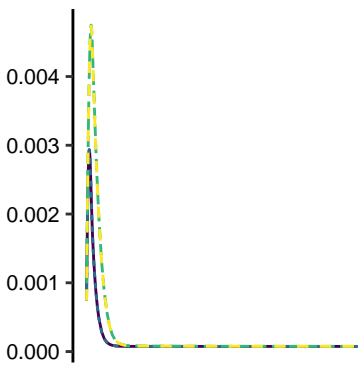
PAV_pop



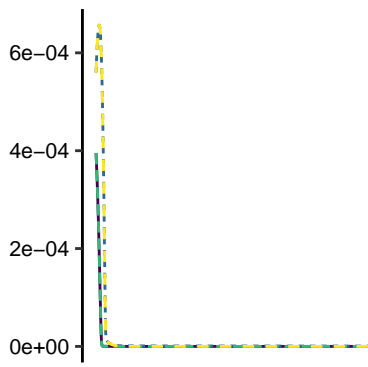
Q_n



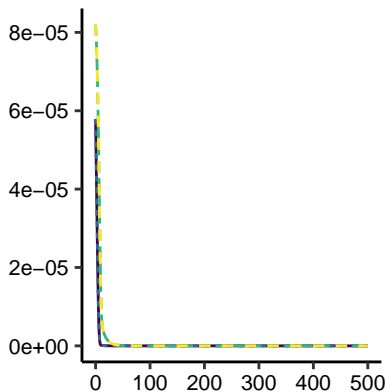
Q_p



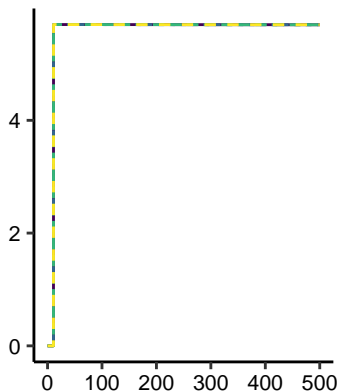
R_n



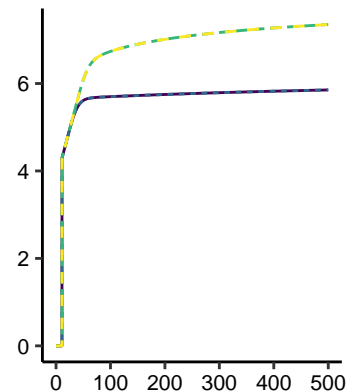
R_p



RPV_conc



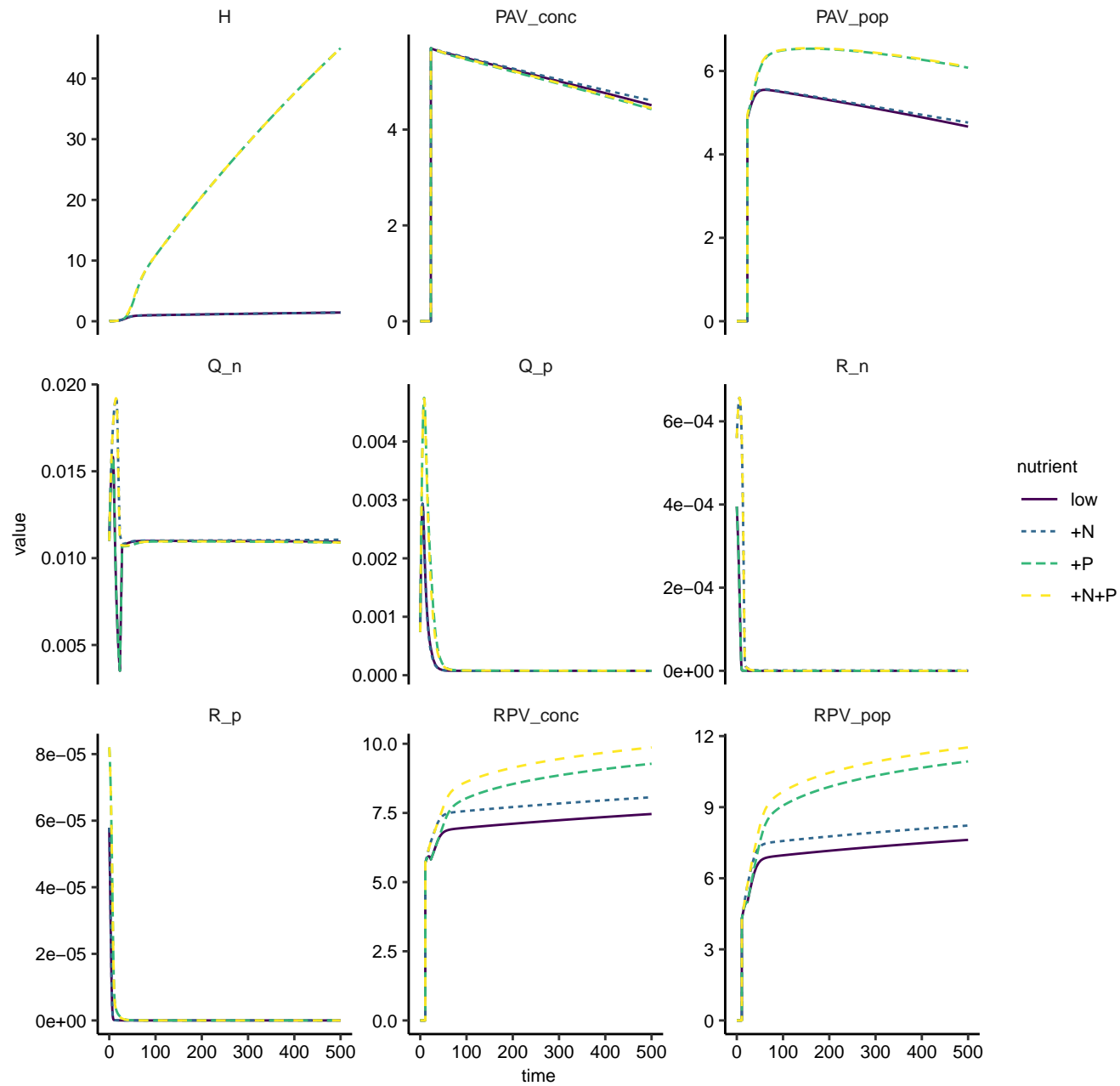
RPV_pop



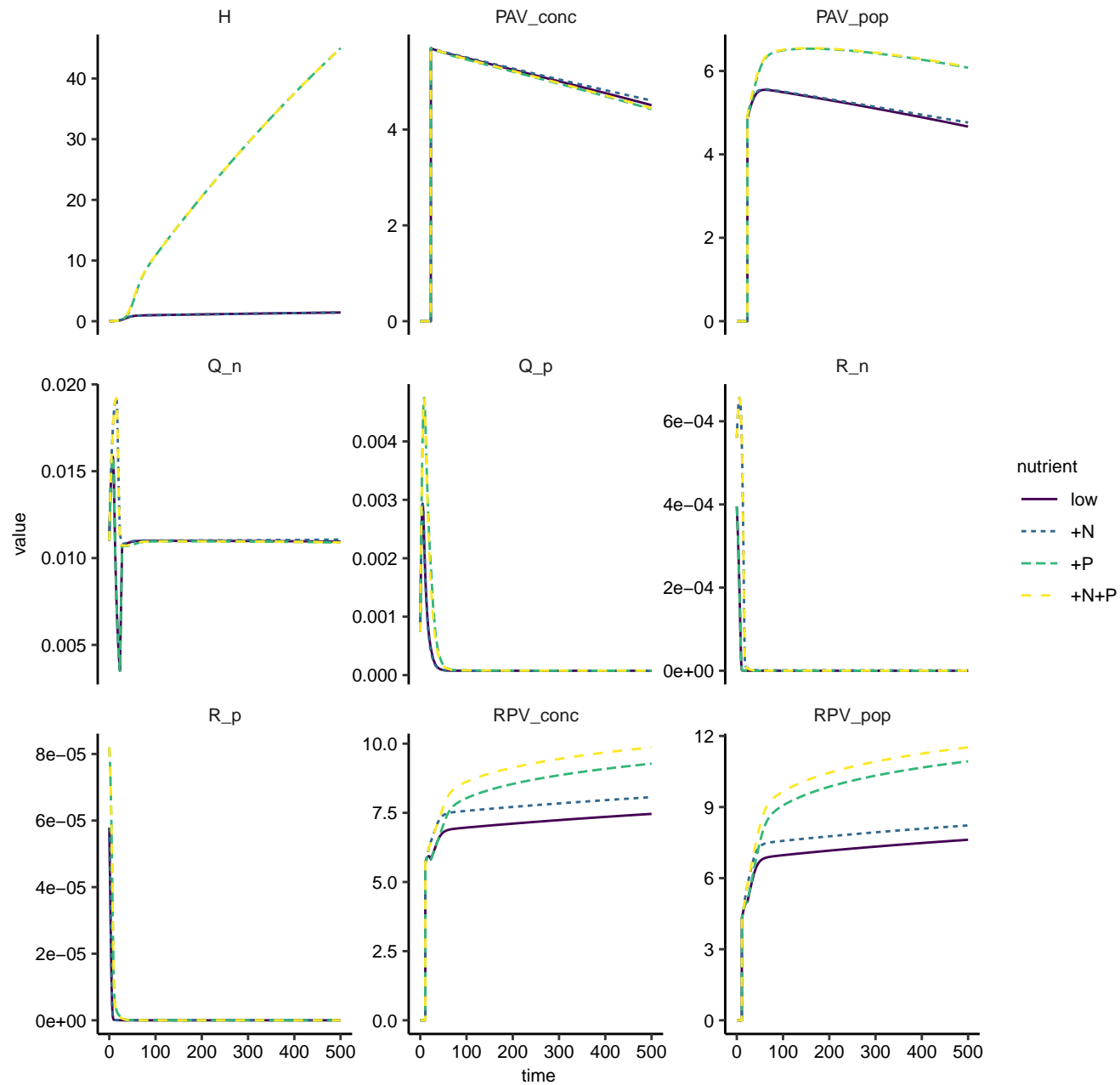
nutrient

- low
- +N
- +P
- +N+P

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

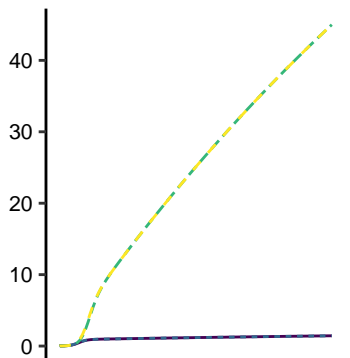


$z_nb = 1e-06$; $z_nc = 1e-16$

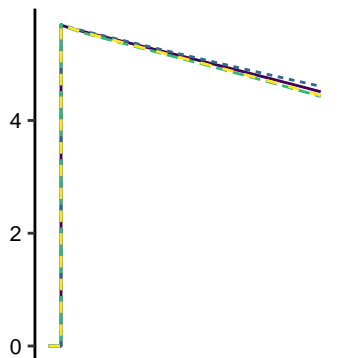


$z_nb = 1e-06$; $z_nc = 1e-14$

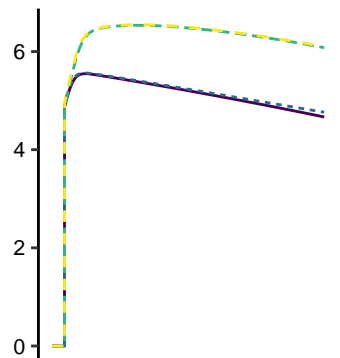
H



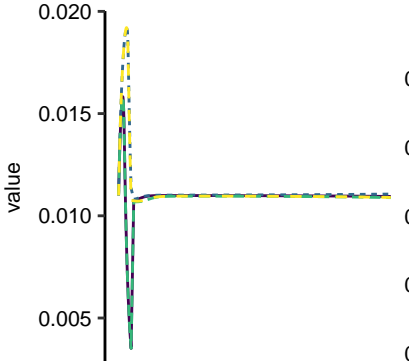
PAV_conc



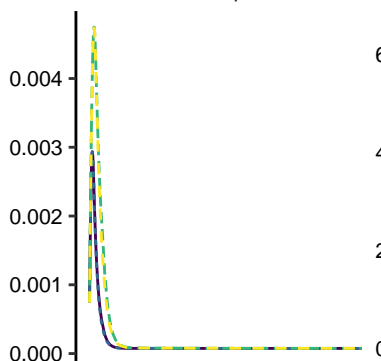
PAV_pop



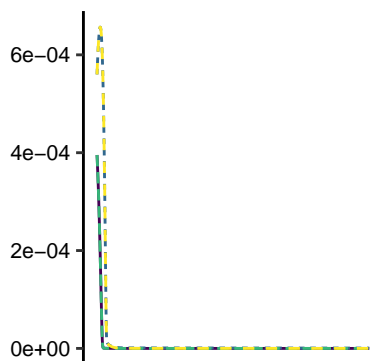
Q_n



Q_p



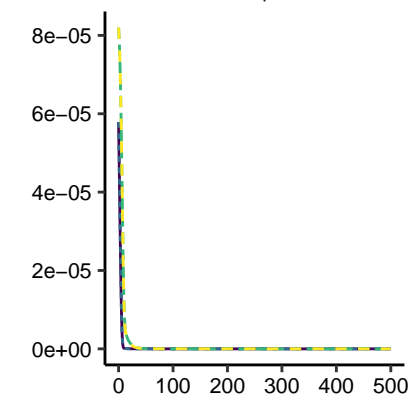
R_n



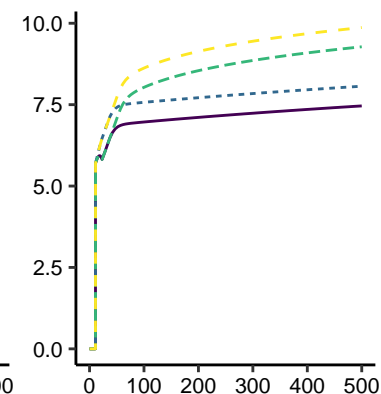
nutrient

- low
- +N
- +P
- +N+P

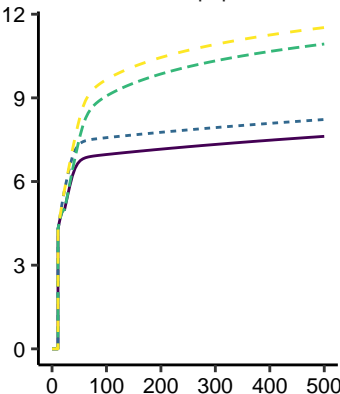
R_p



RPV_conc

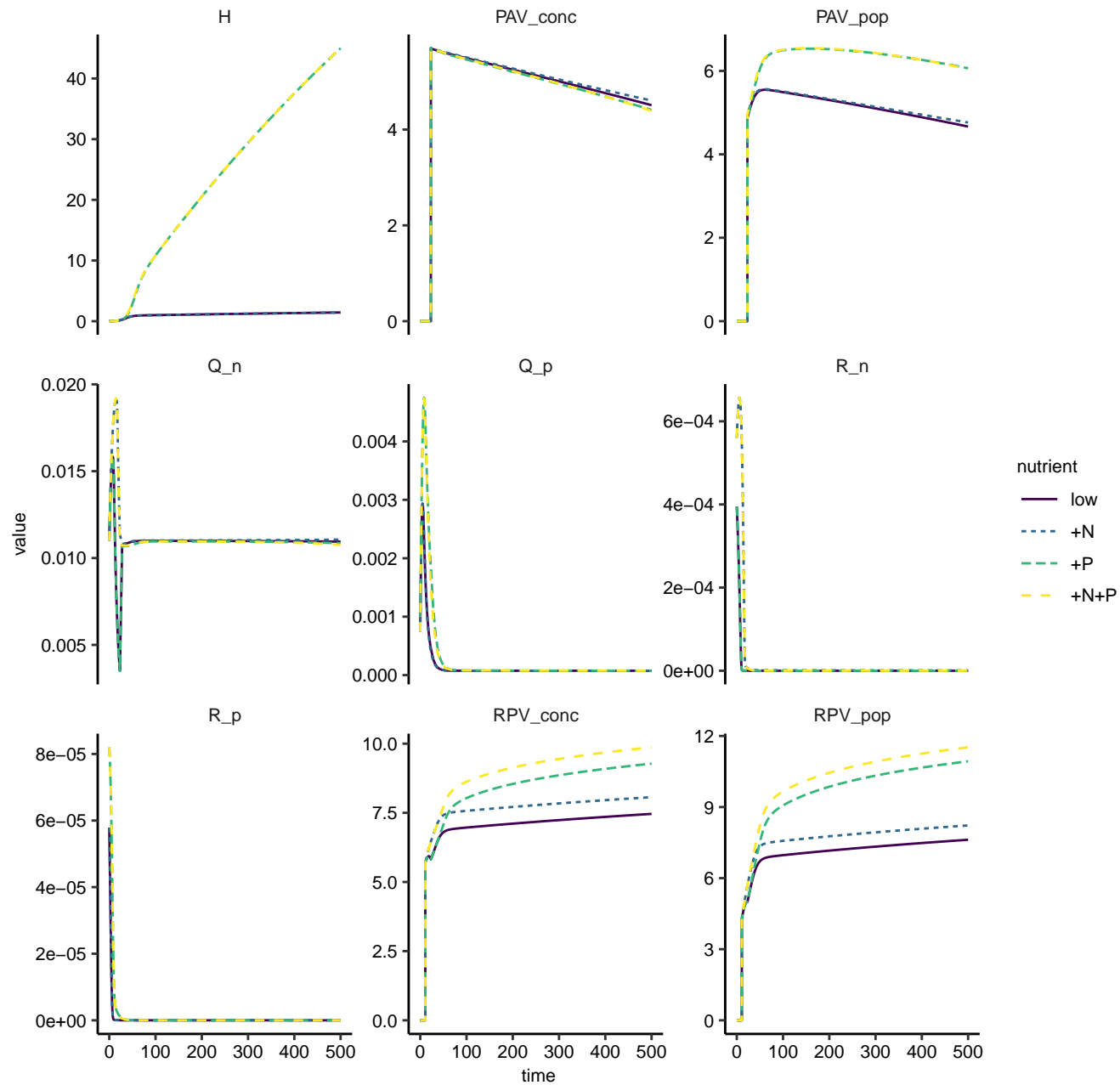


RPV_pop



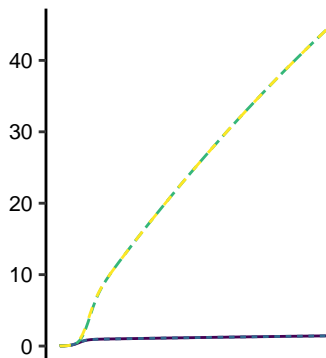
time

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

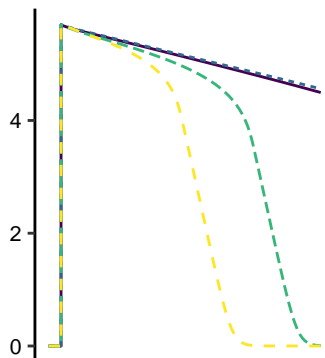


$z_nb = 1e-06$; $z_nc = 1e-10$

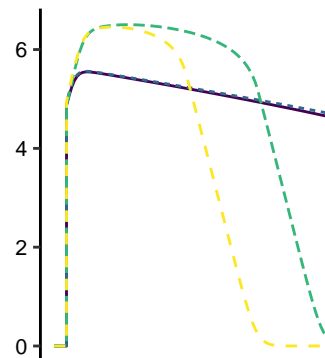
H



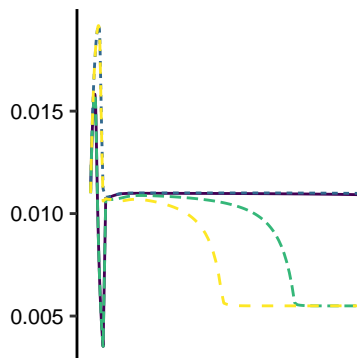
PAV_conc



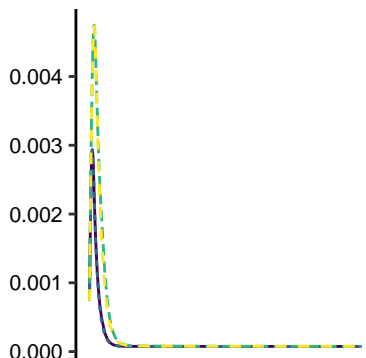
PAV_pop



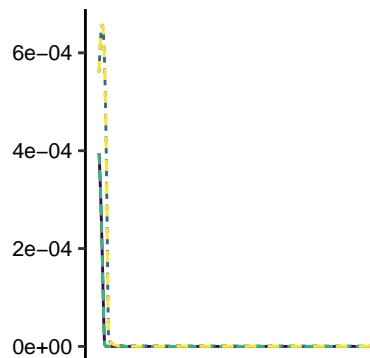
Q_n



Q_p



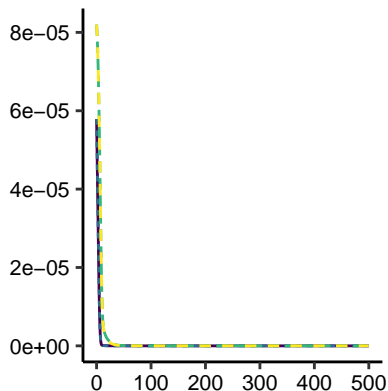
R_n



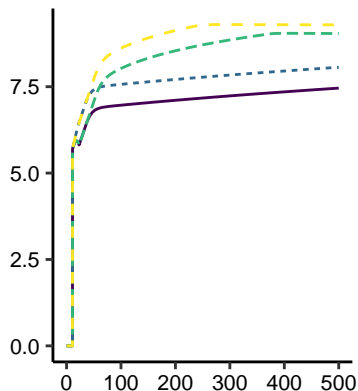
nutrient

low
+N
+P
+N+P

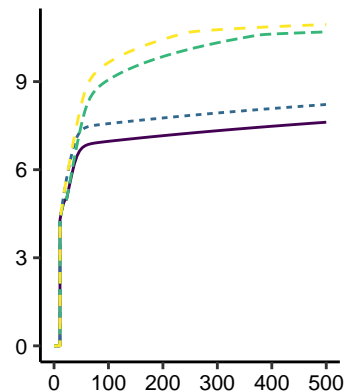
R_p



RPV_conc



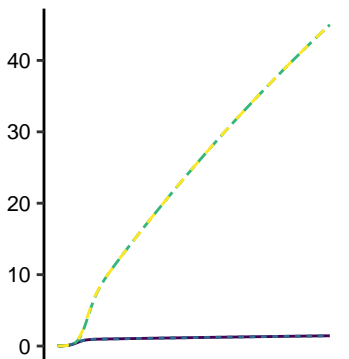
RPV_pop



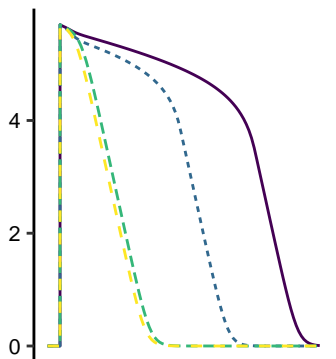
time

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

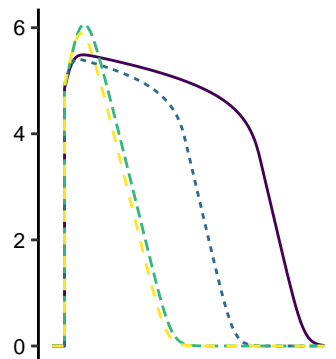
H



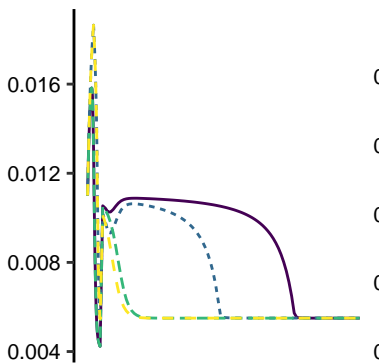
PAV_conc



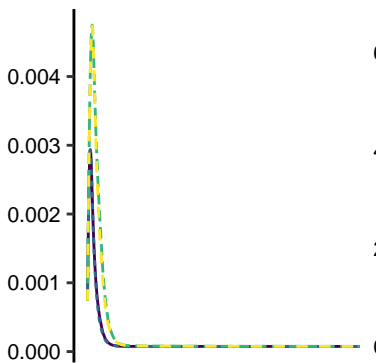
PAV_pop



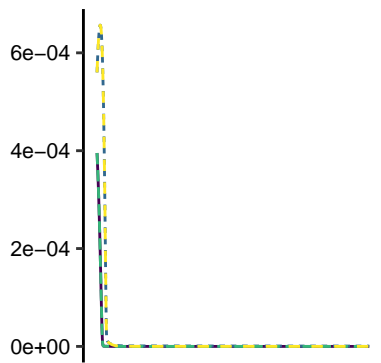
Q_n



Q_p



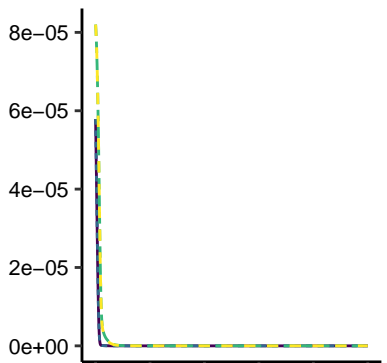
R_n



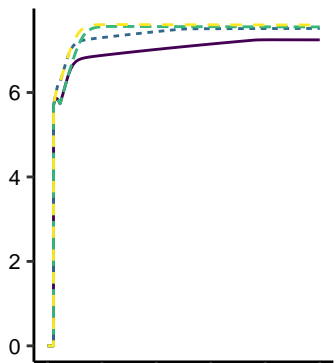
nutrient

- low
- +N
- +P
- +N+P

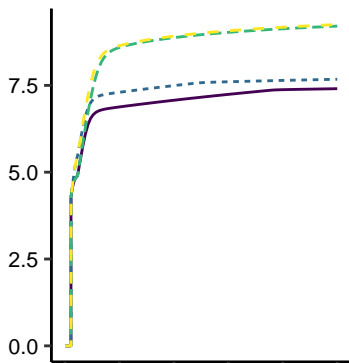
R_p



RPV_conc



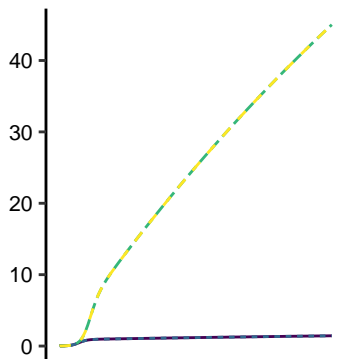
RPV_pop



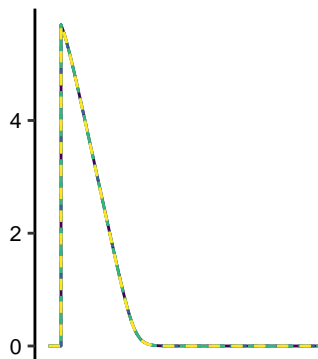
time

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

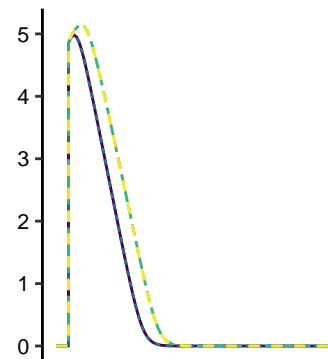
H



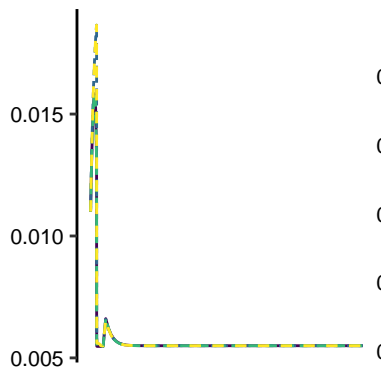
PAV_conc



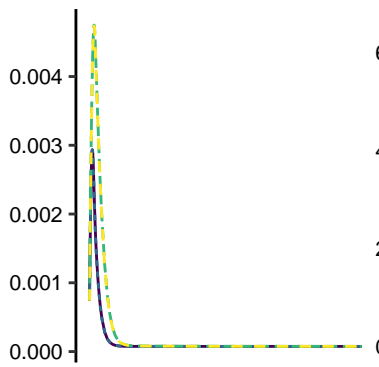
PAV_pop



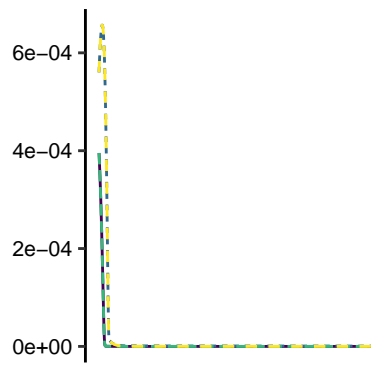
Q_n



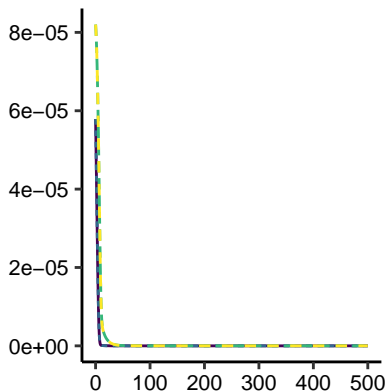
Q_p



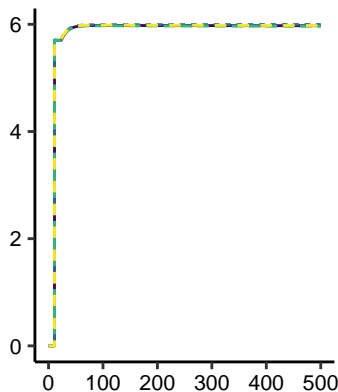
R_n



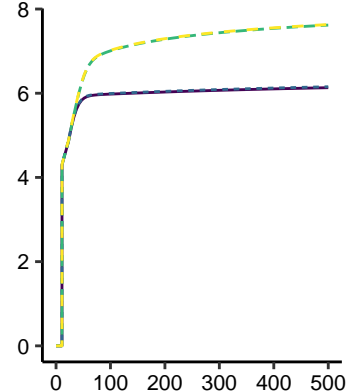
R_p



RPV_conc



RPV_pop



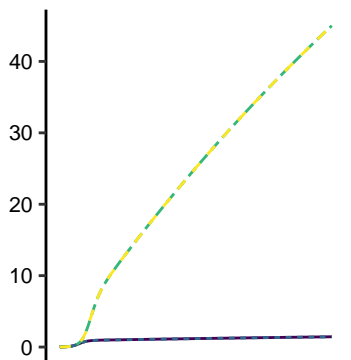
nutrient

- low
- +N
- +P
- +N+P

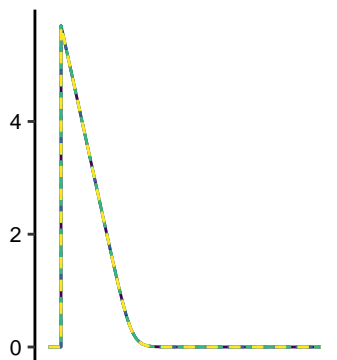
time

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

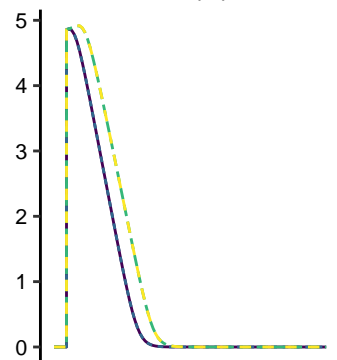
H



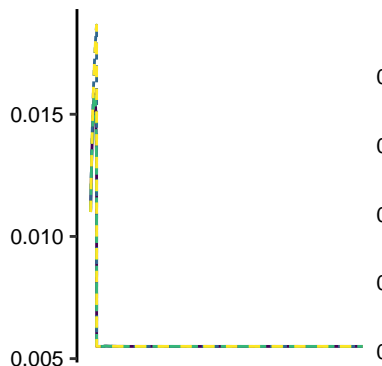
PAV_conc



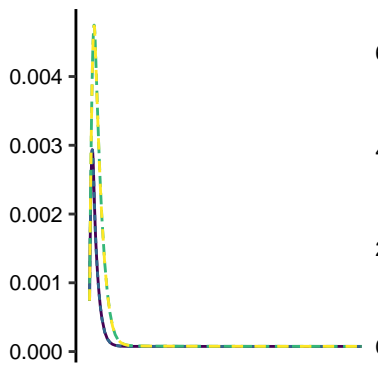
PAV_pop



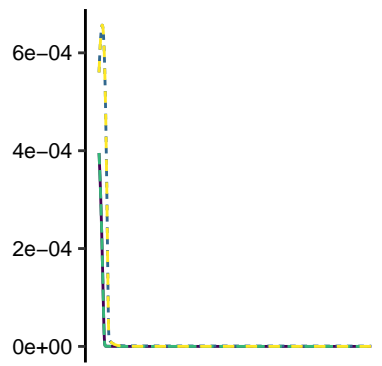
Q_n



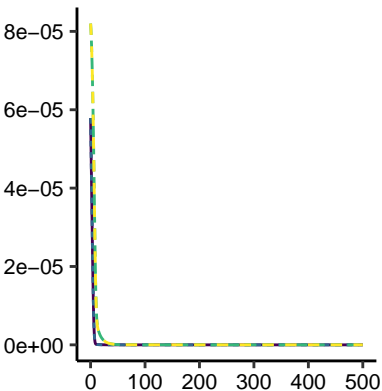
Q_p



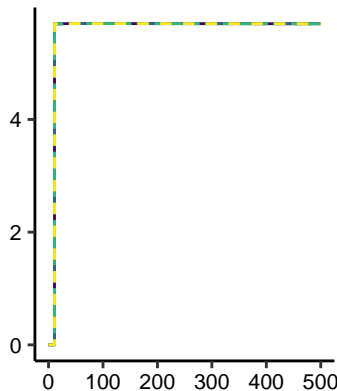
R_n



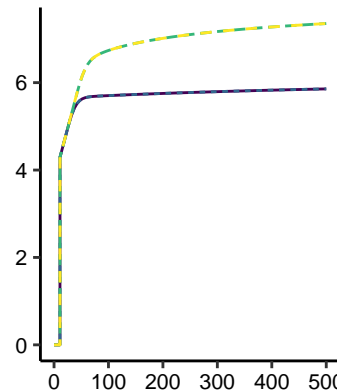
R_p



RPV_conc



RPV_pop



nutrient

low

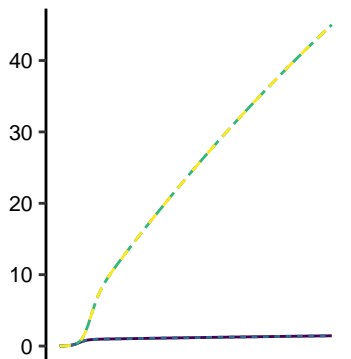
+N

+P

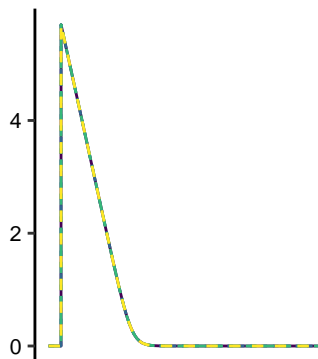
+N+P

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

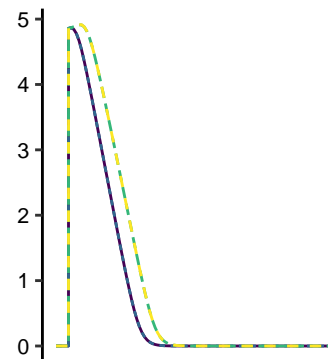
H



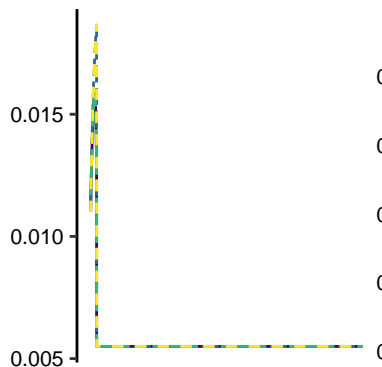
PAV_conc



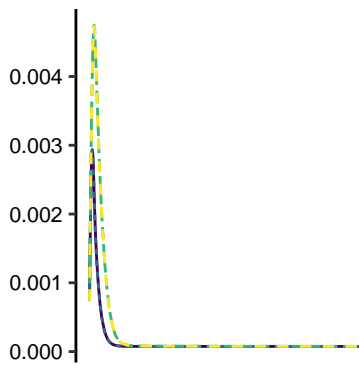
PAV_pop



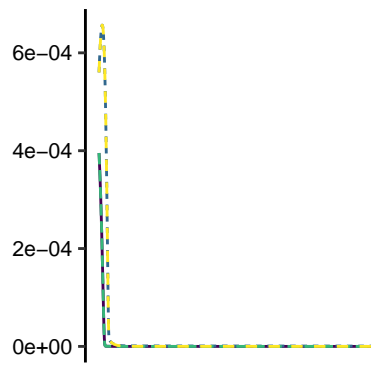
Q_n



Q_p



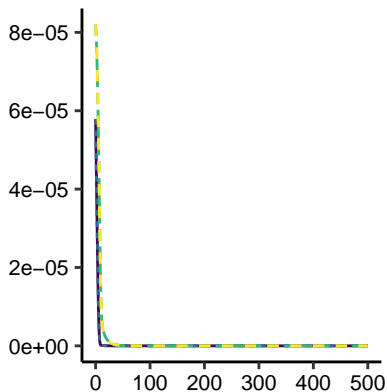
R_n



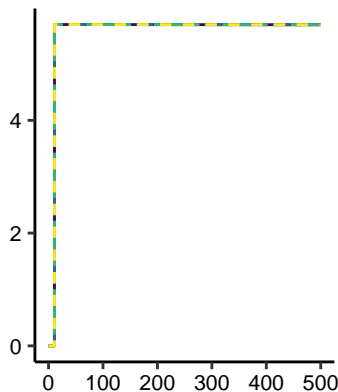
nutrient

low
+N
+P
+N+P

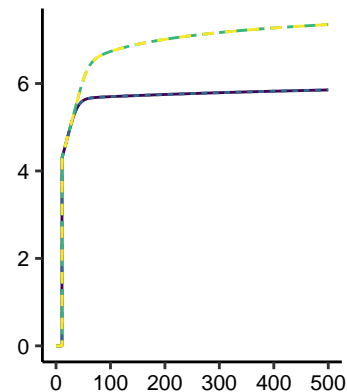
R_p



RPV_conc



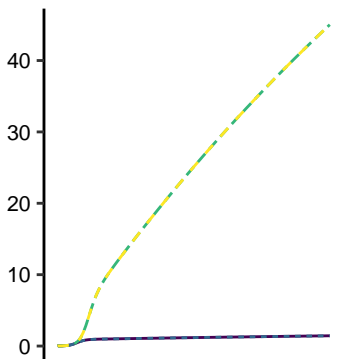
RPV_pop



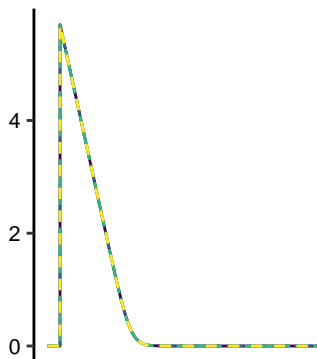
time

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

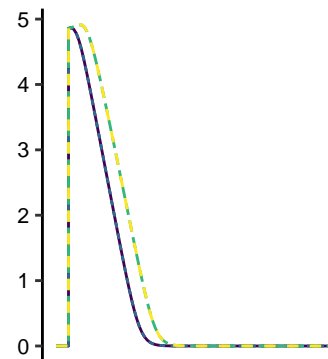
H



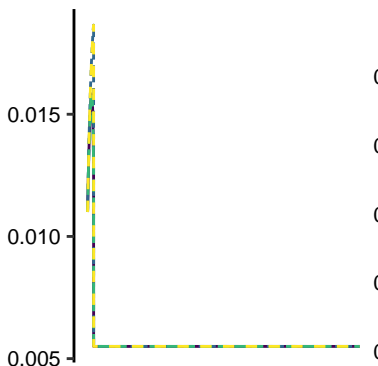
PAV_conc



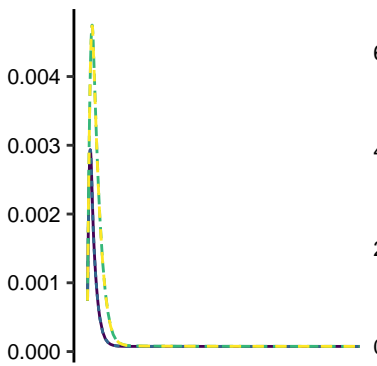
PAV_pop



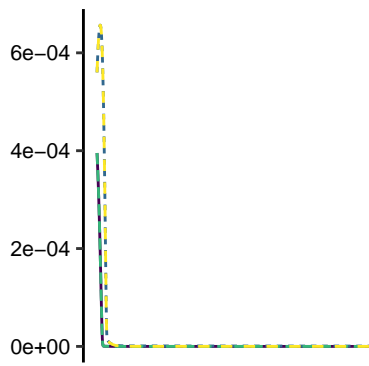
Q_n



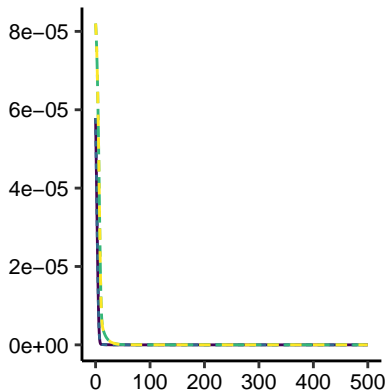
Q_p



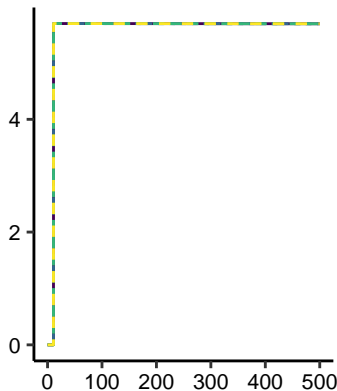
R_n



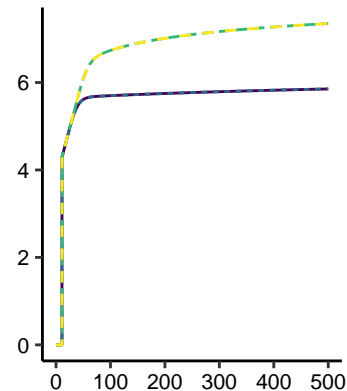
R_p



RPV_conc



RPV_pop

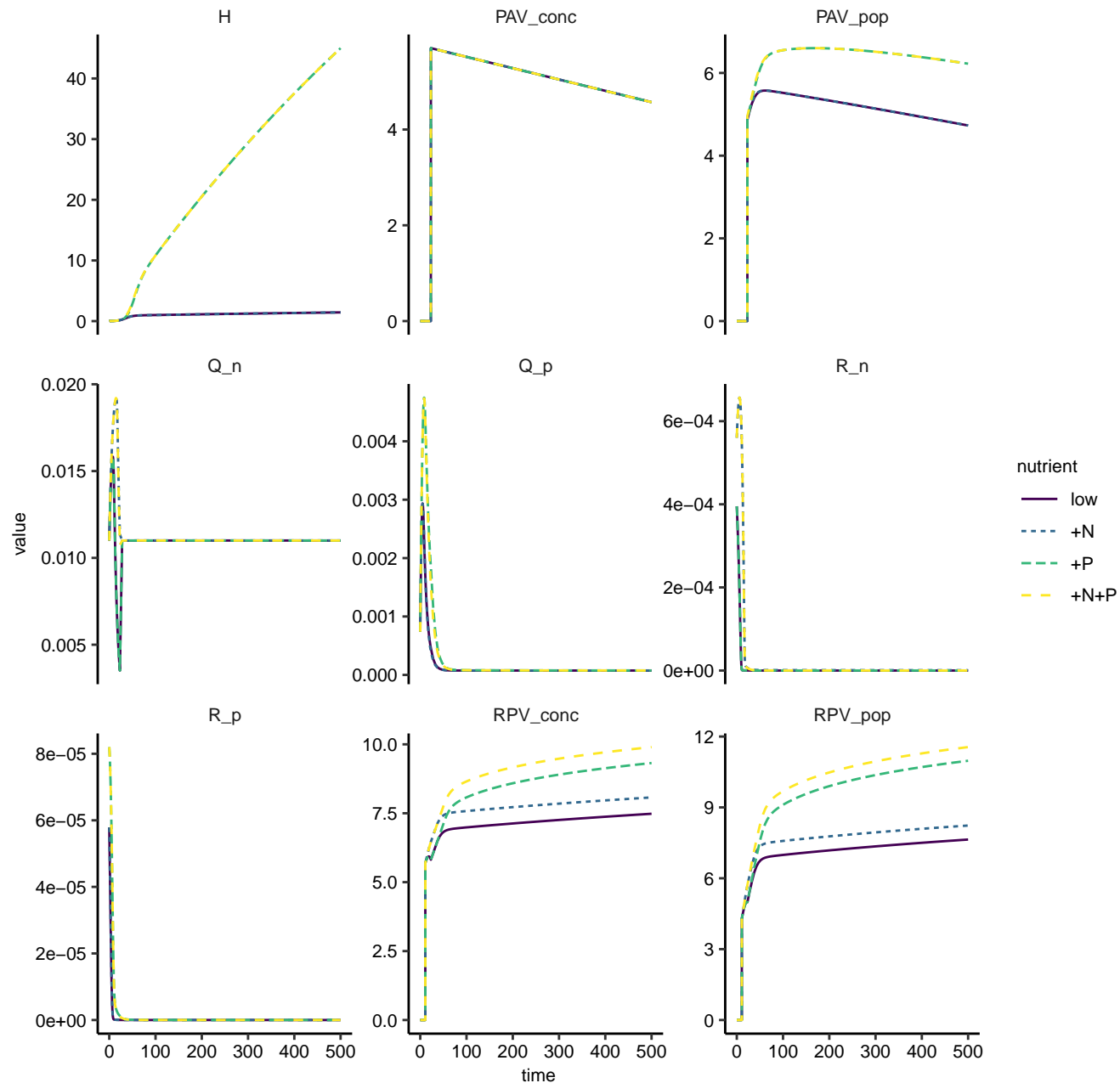


nutrient

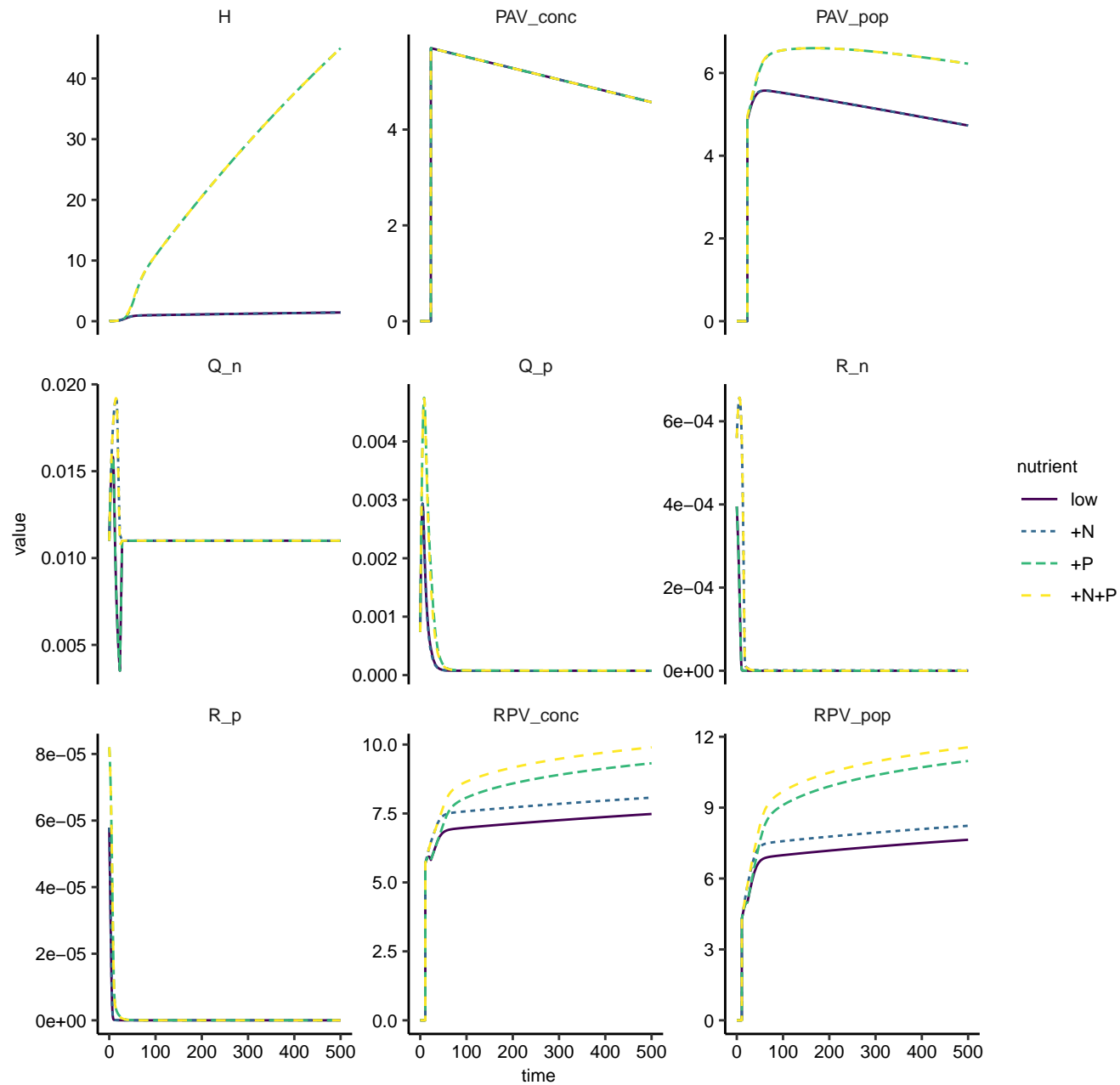
- low
- +N
- +P
- +N+P

time

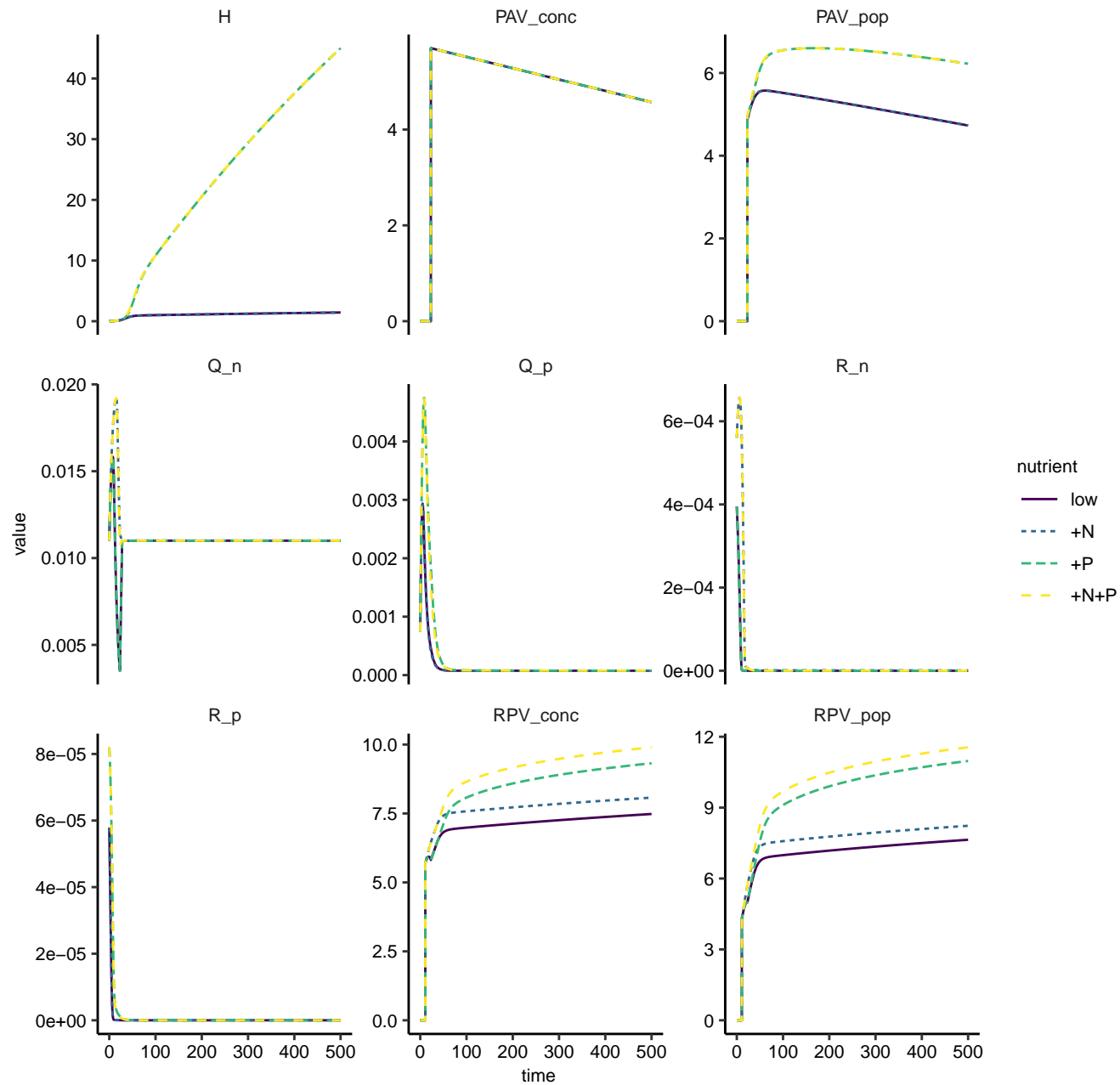
$z_nb = 1e-04$; $z_nc = 1e-18$



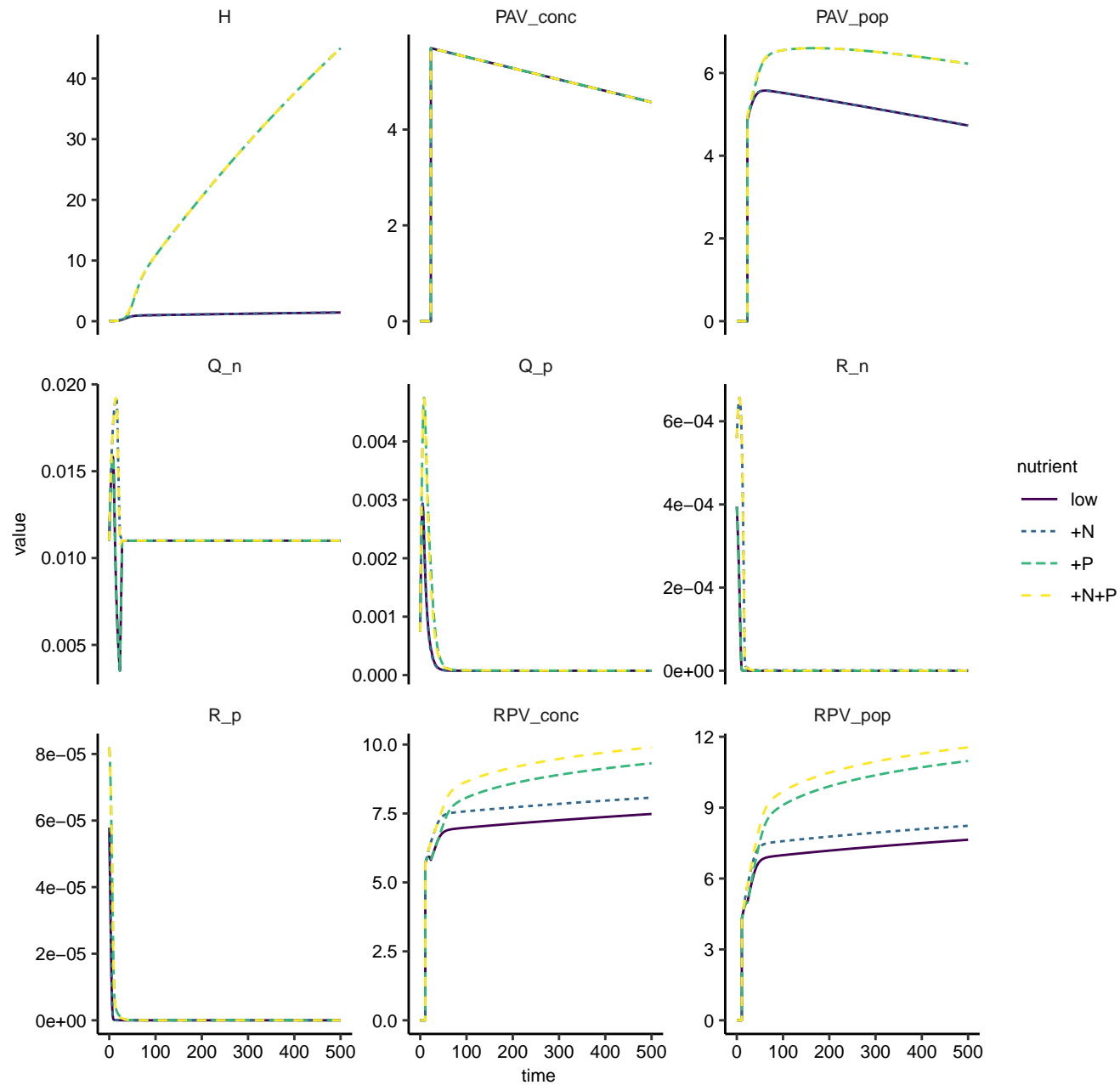
$z_nb = 1e-04$; $z_nc = 1e-16$



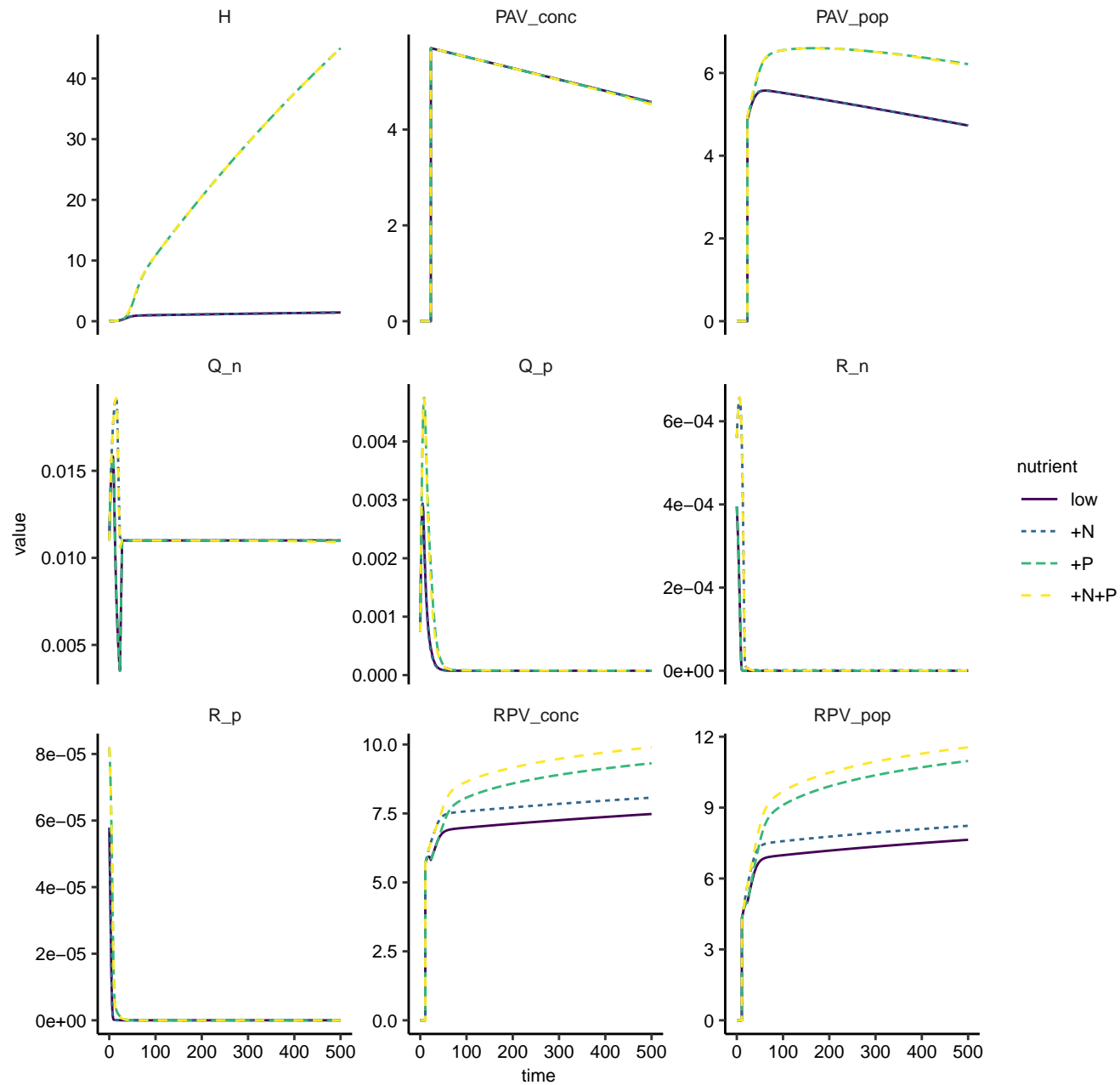
$z_nb = 1e-04$; $z_nc = 1e-14$



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

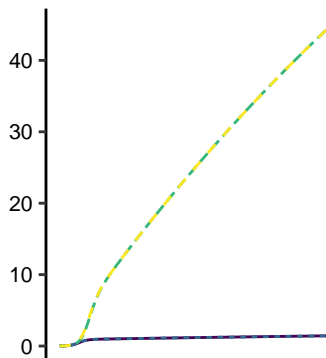


$z_nb = 1e-04$; $z_nc = 1e-10$

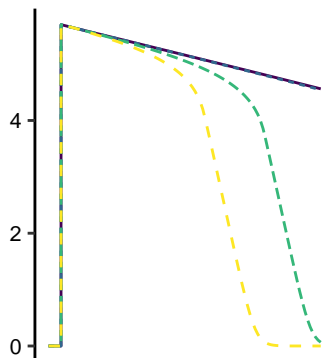


$z_nb = 1e-04$; $z_nc = 1e-08$

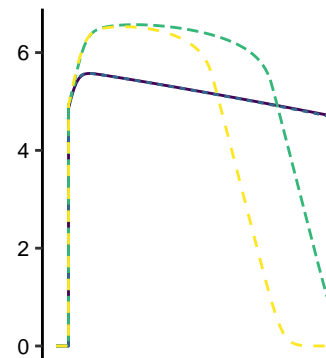
H



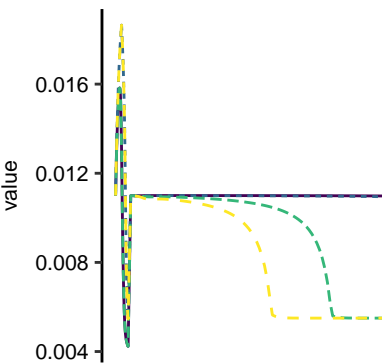
PAV_conc



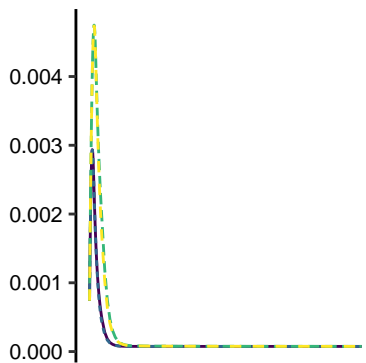
PAV_pop



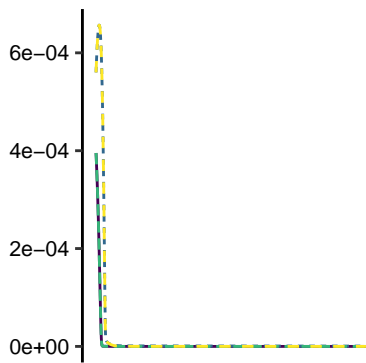
Q_n



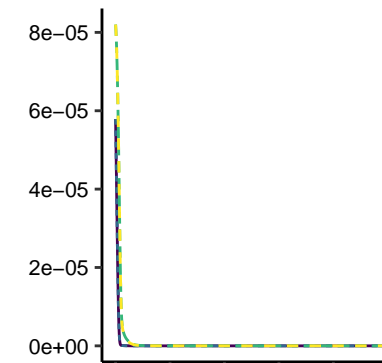
Q_p



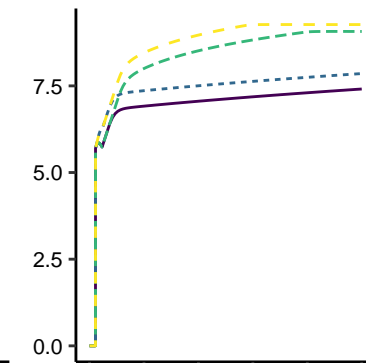
R_n



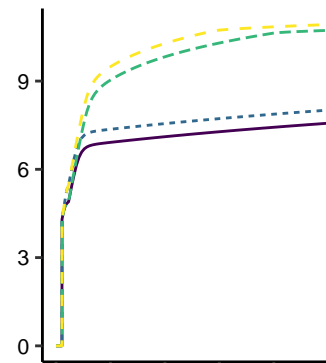
R_p



RPV_conc



RPV_pop



nutrient

low

+N

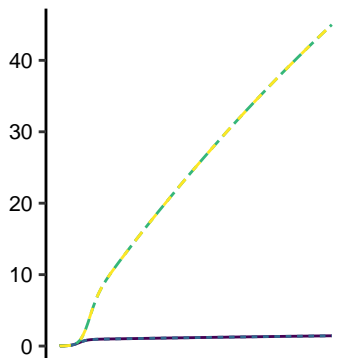
+P

+N+P

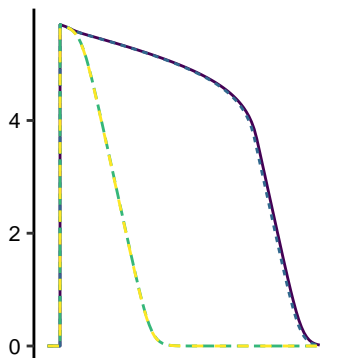
time

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

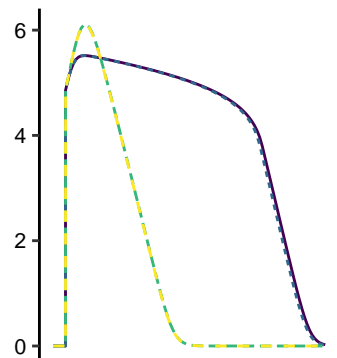
H



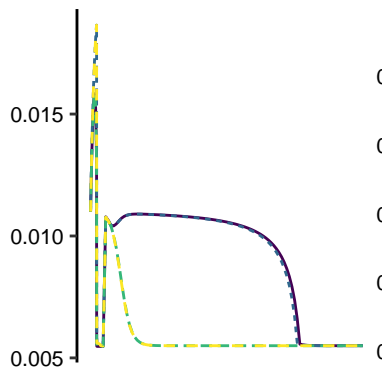
PAV_conc



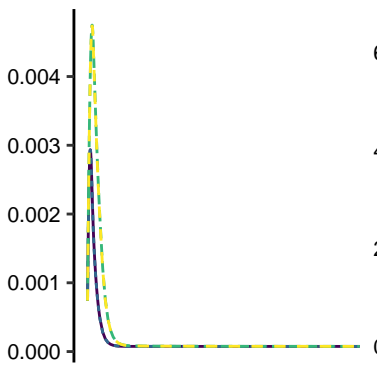
PAV_pop



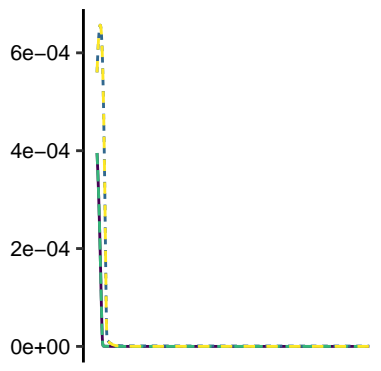
Q_n



Q_p



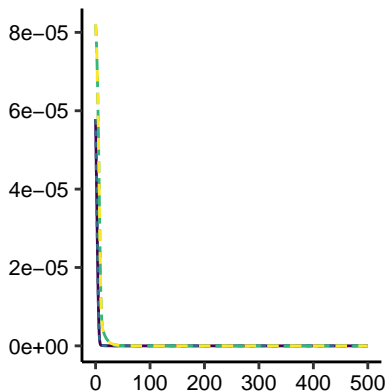
R_n



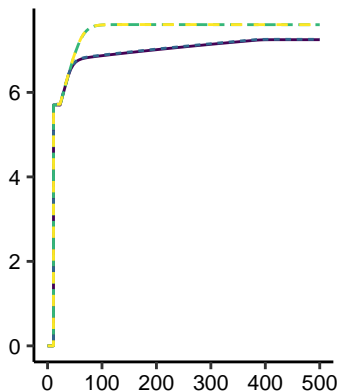
nutrient

- low
- +N
- +P
- +N+P

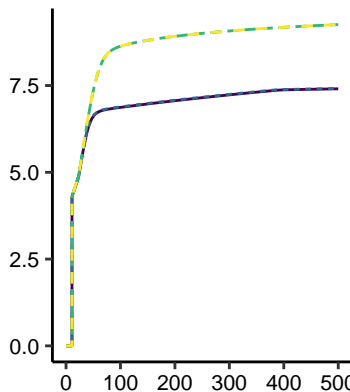
R_p



RPV_conc



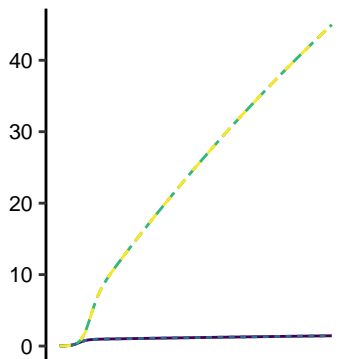
RPV_pop



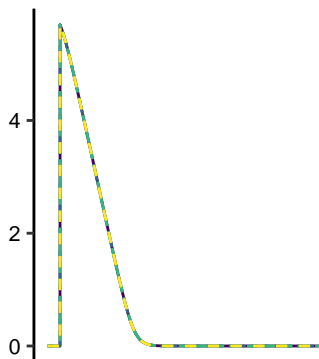
time

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

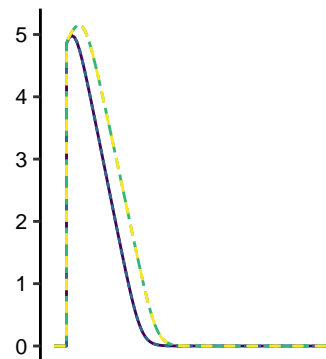
H



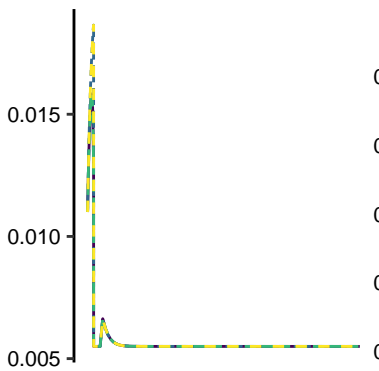
PAV_conc



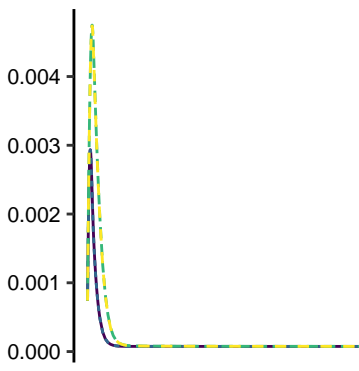
PAV_pop



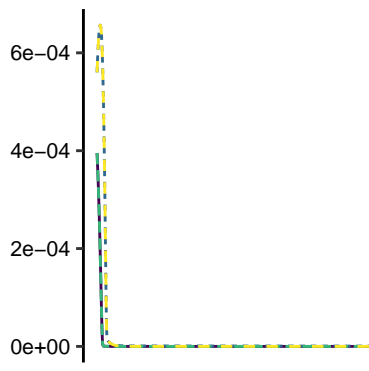
Q_n



Q_p



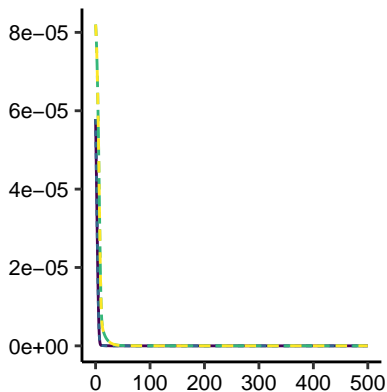
R_n



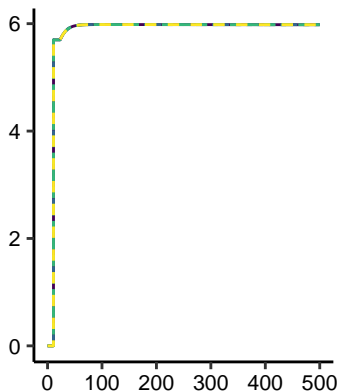
nutrient

low
+N
+P
+N+P

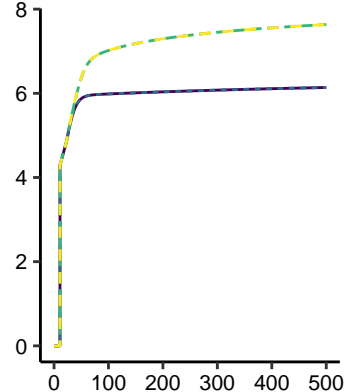
R_p



RPV_conc



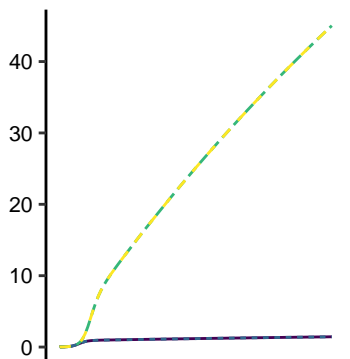
RPV_pop



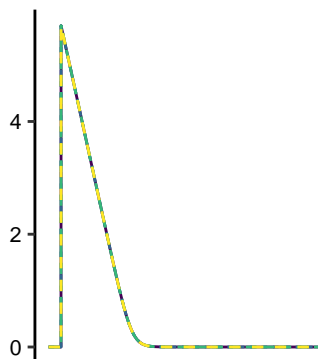
time

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

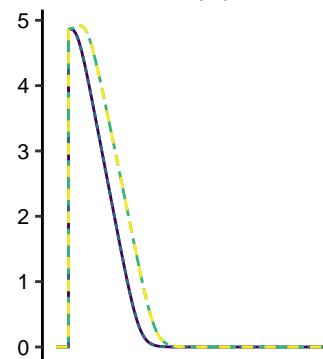
H



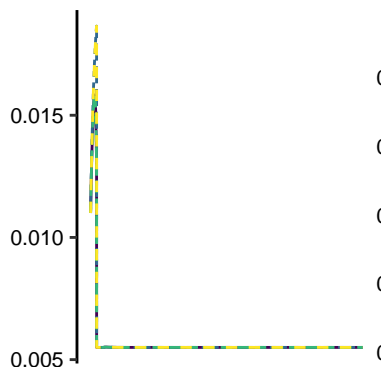
PAV_conc



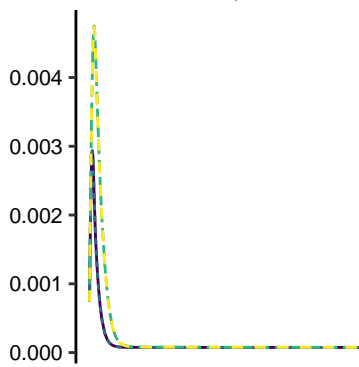
PAV_pop



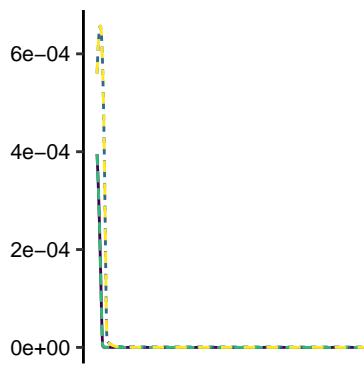
Q_n



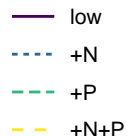
Q_p



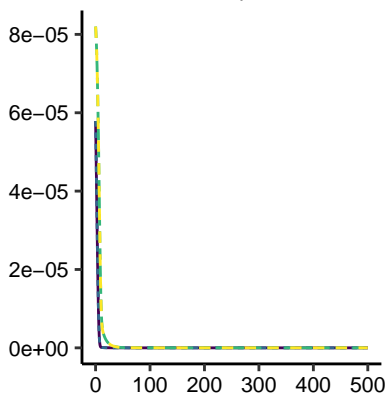
R_n



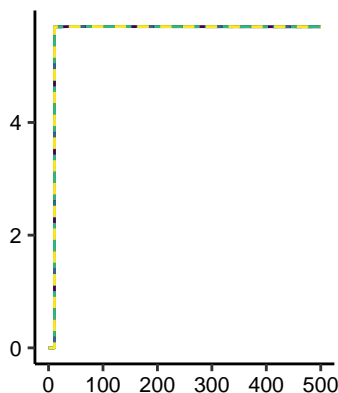
nutrient



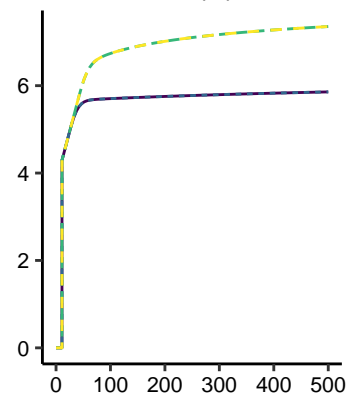
R_p



RPV_conc



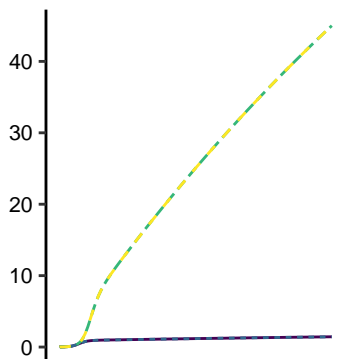
RPV_pop



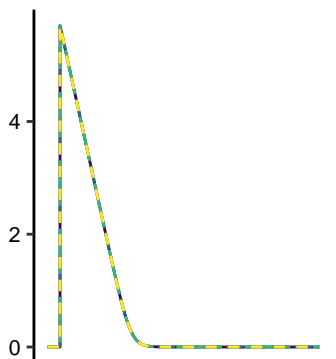
time

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

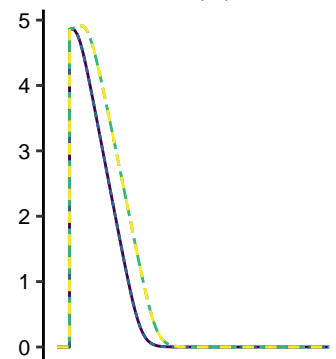
H



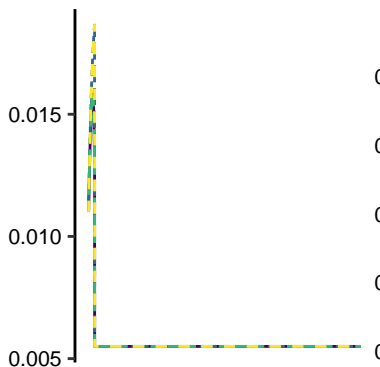
PAV_conc



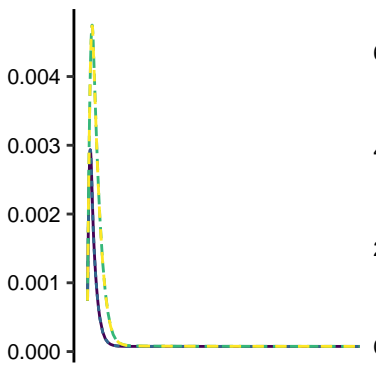
PAV_pop



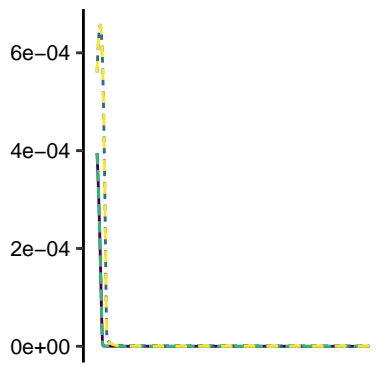
Q_n



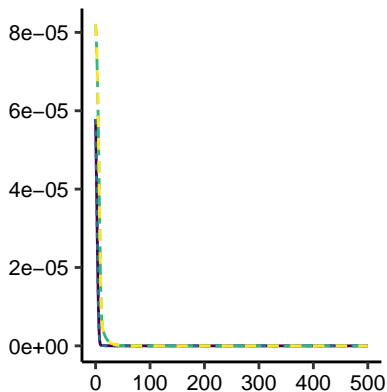
Q_p



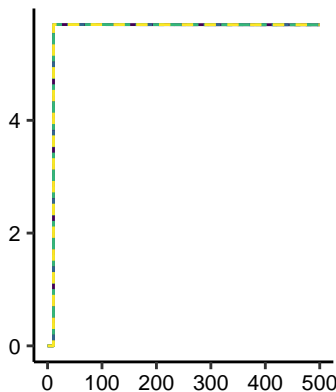
R_n



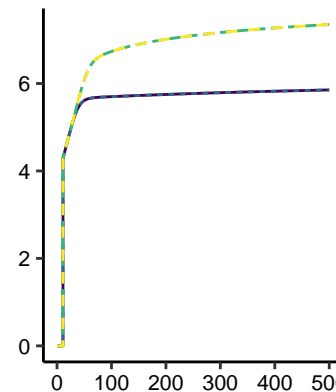
R_p



RPV_conc



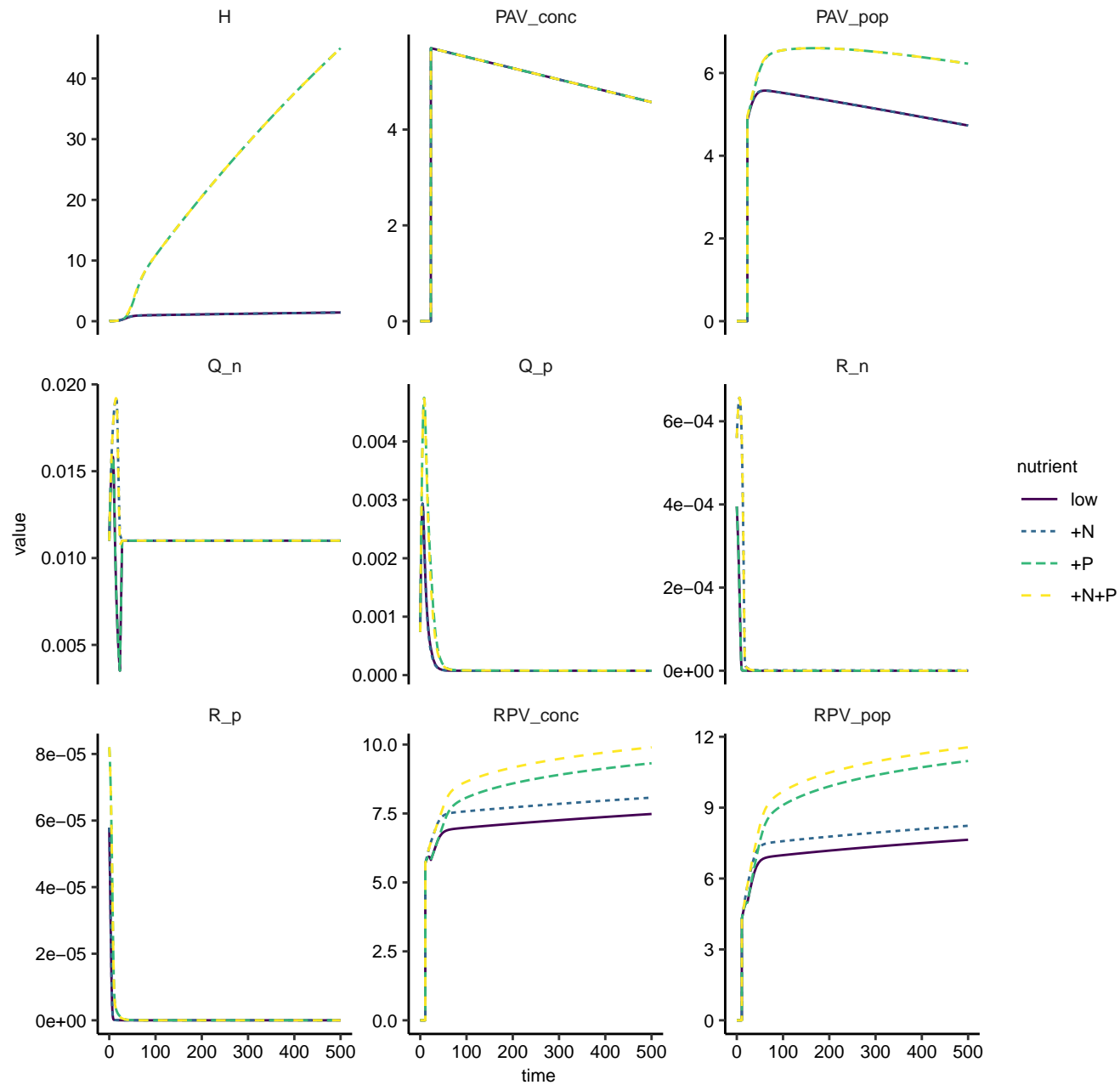
RPV_pop



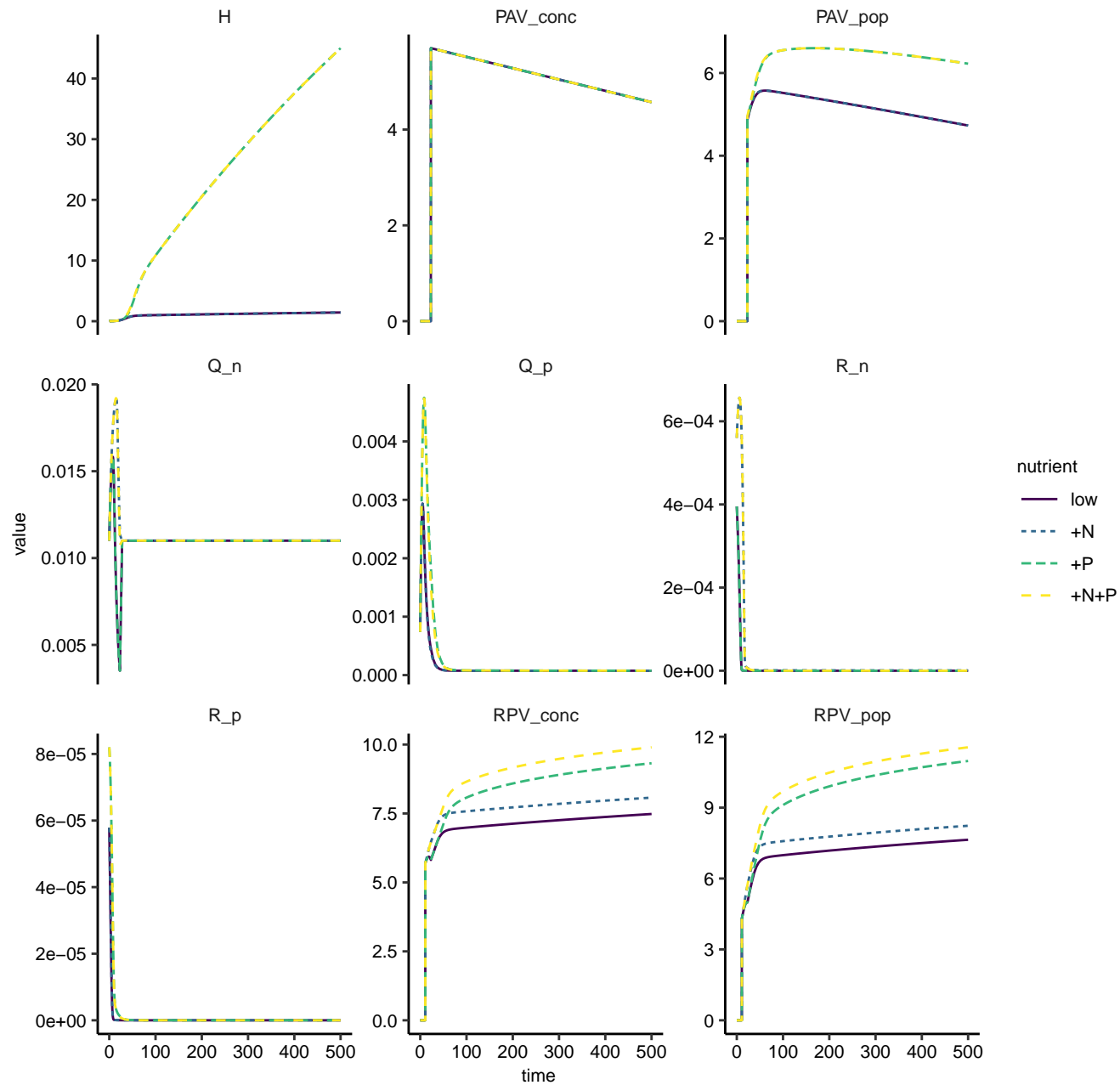
nutrient

- low
- +N
- +P
- +N+P

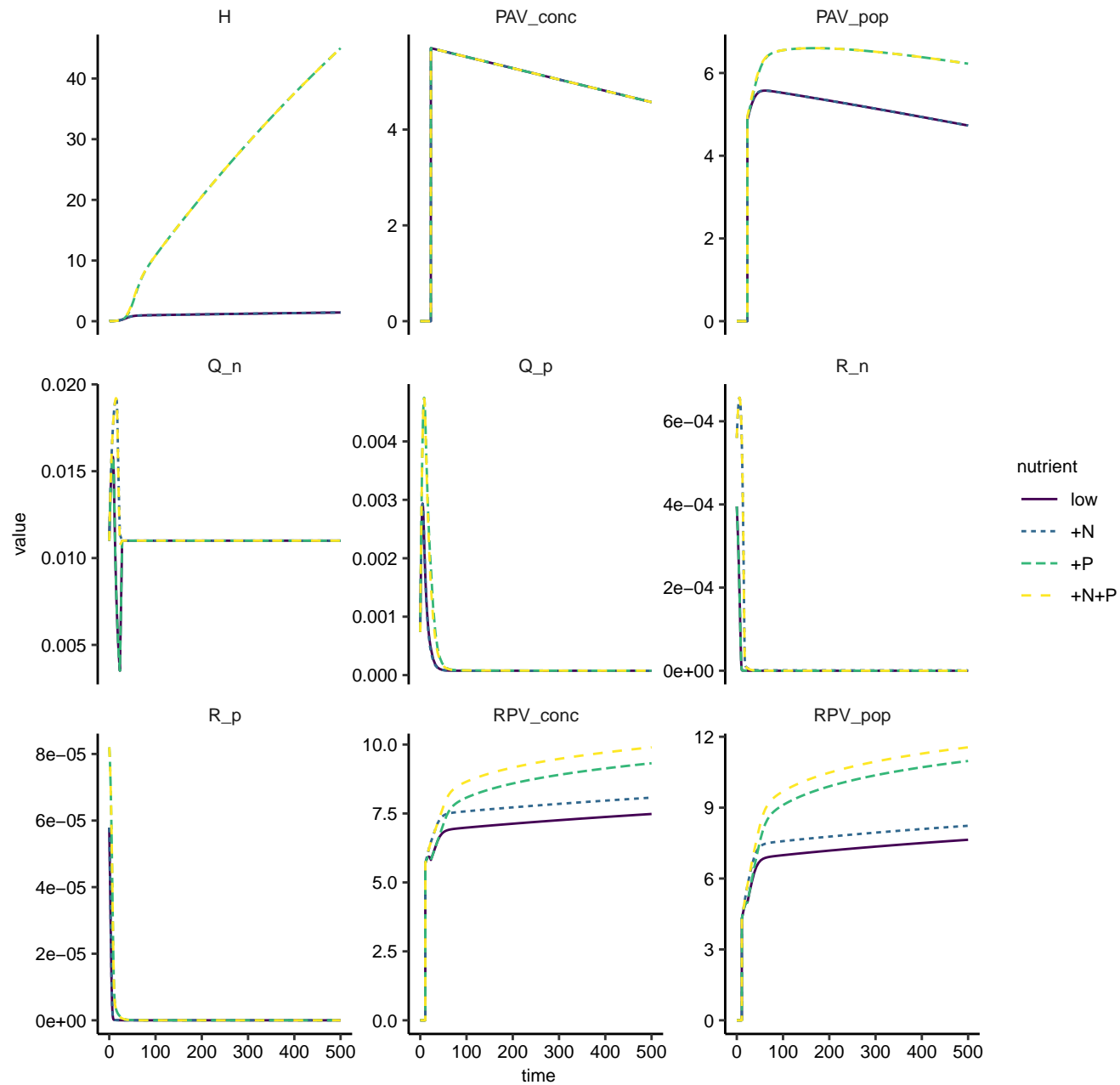
$z_nb = 0.01$; $z_nc = 1e-18$



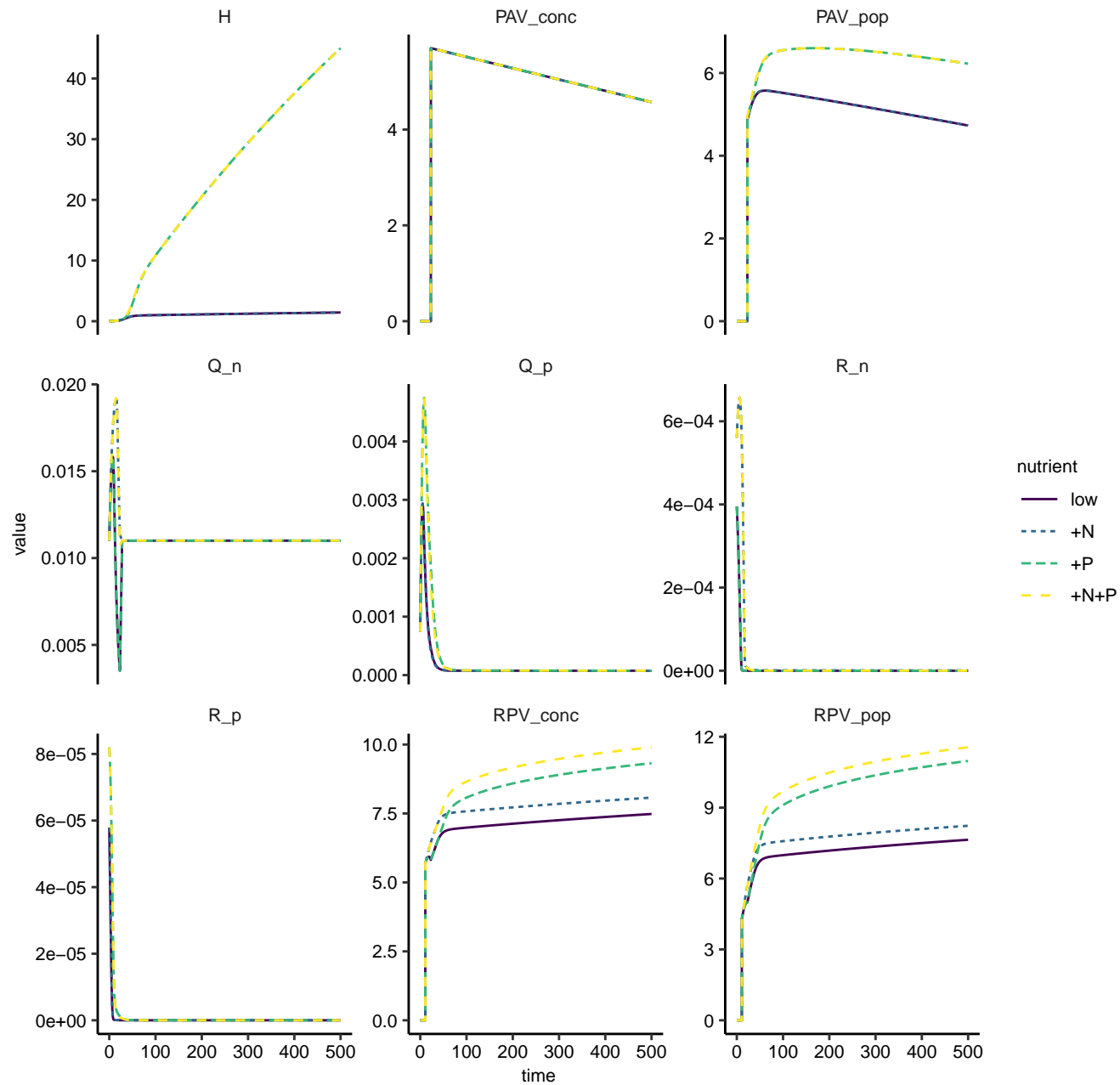
$z_nb = 0.01$; $z_nc = 1e-16$



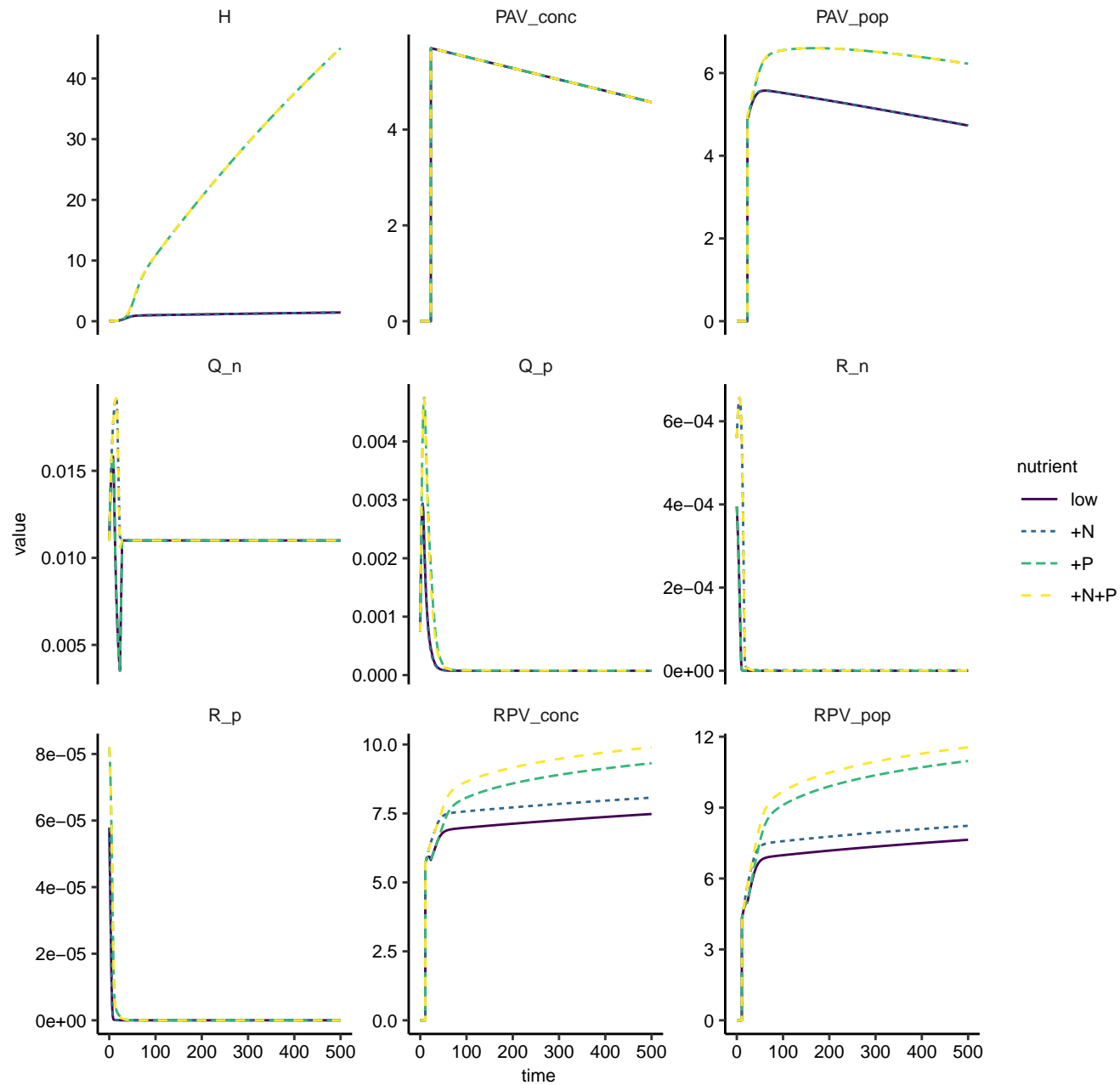
$z_nb = 0.01$; $z_nc = 1e-14$



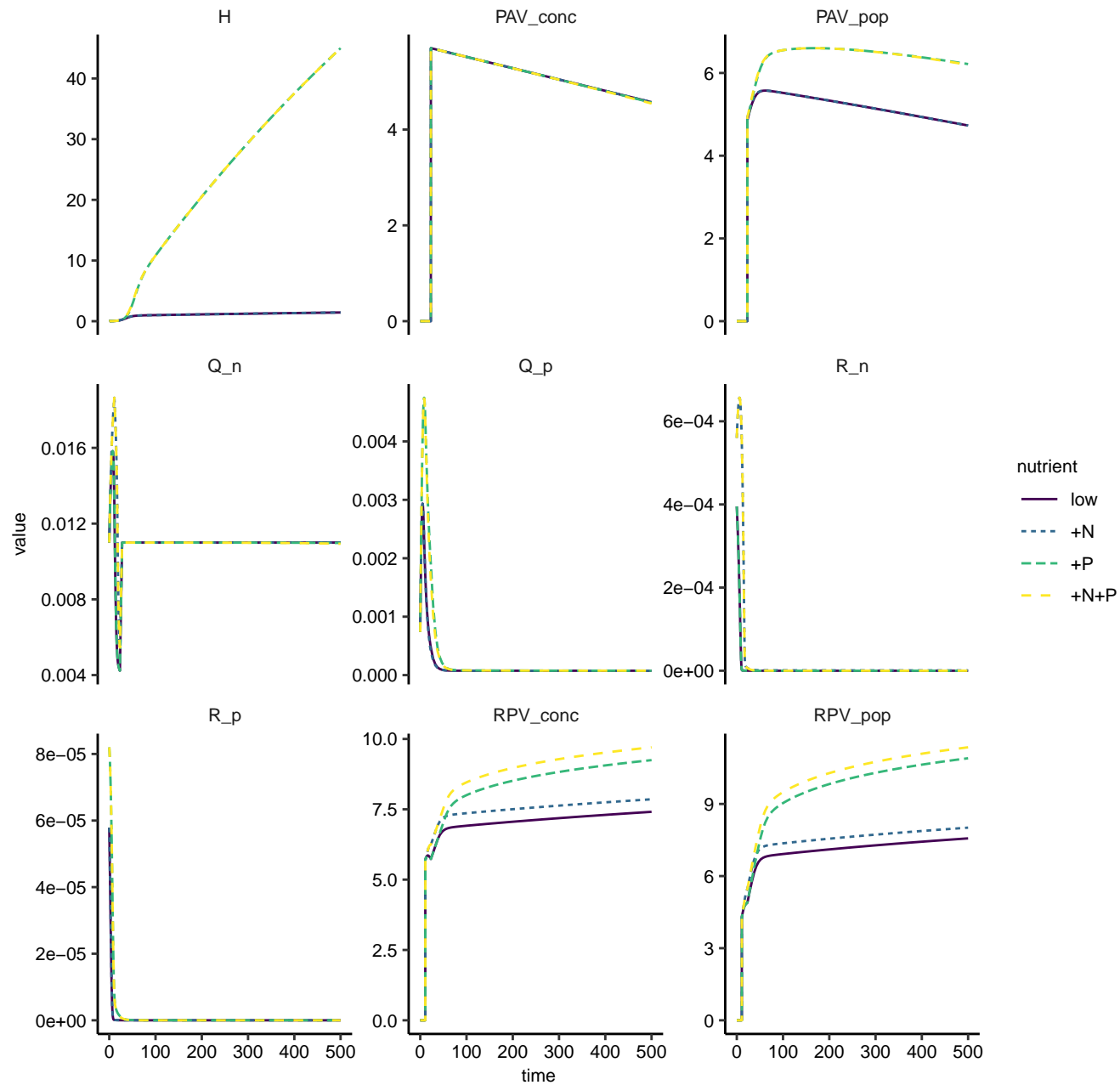
$z_nb = 0.01$; $z_nc = 1e-12$



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

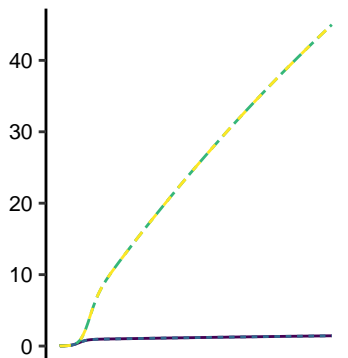


$z_nb = 0.01$; $z_nc = 1e-08$

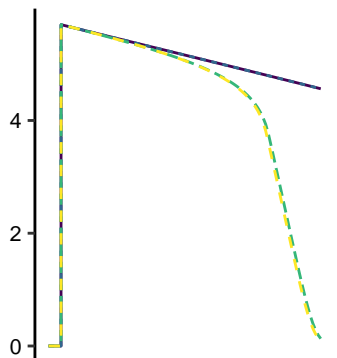


$z_{nb} = 0.01$; $z_{nc} = 1e-06$

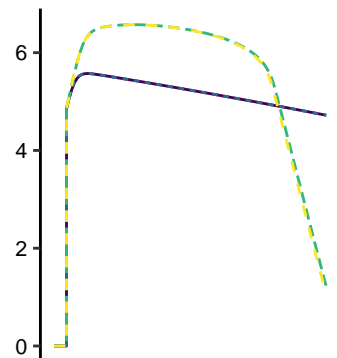
H



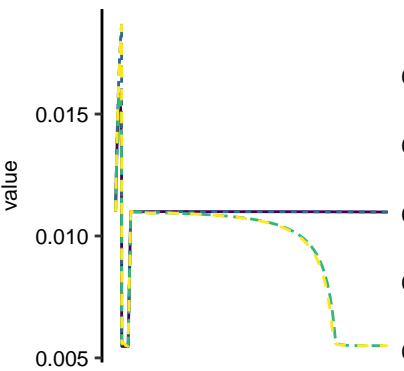
PAV_conc



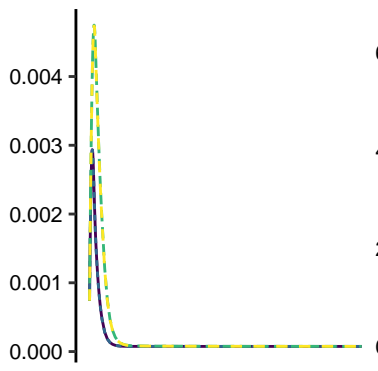
PAV_pop



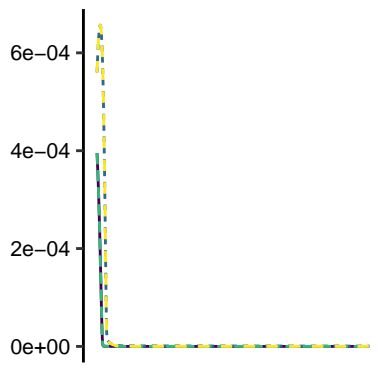
Q_n



Q_p



R_n



nutrient

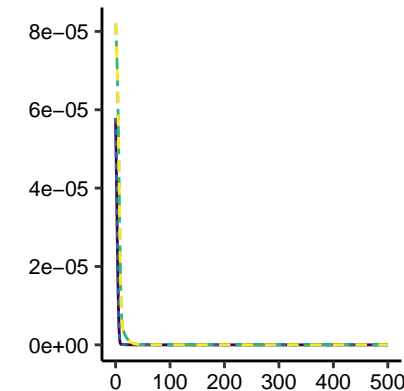
low

+N

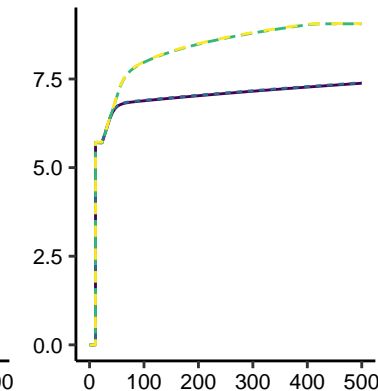
+P

+N+P

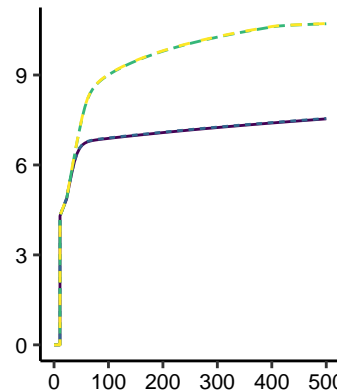
R_p



RPV_conc



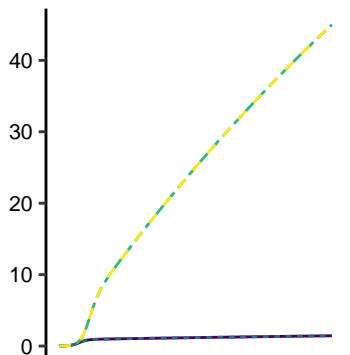
RPV_pop



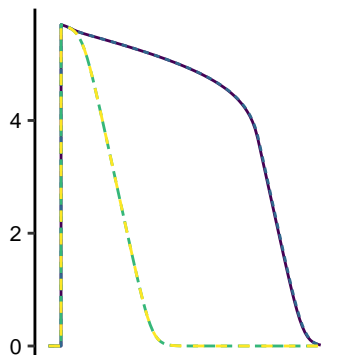
time

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

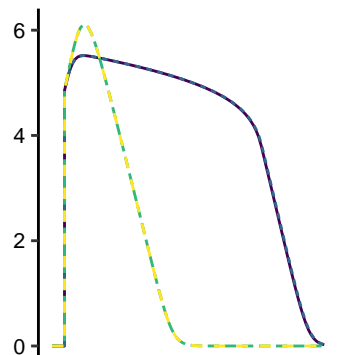
H



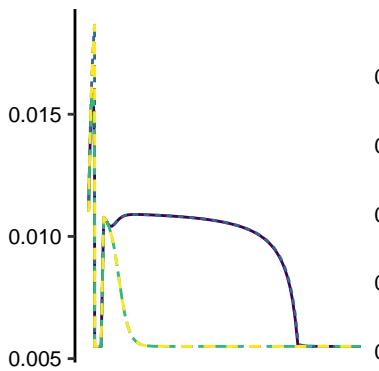
PAV_conc



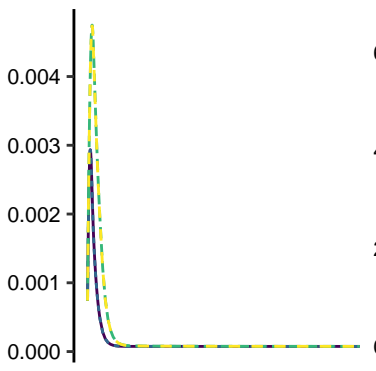
PAV_pop



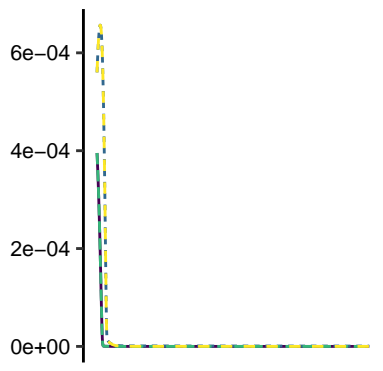
Q_n



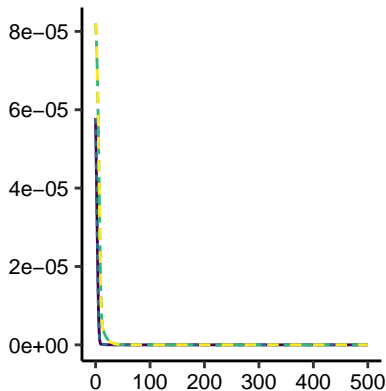
Q_p



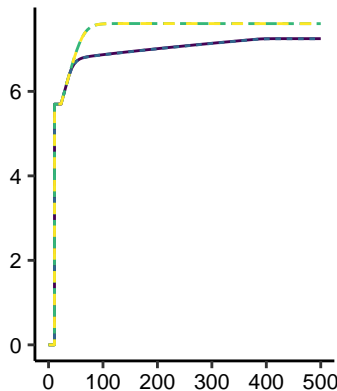
R_n



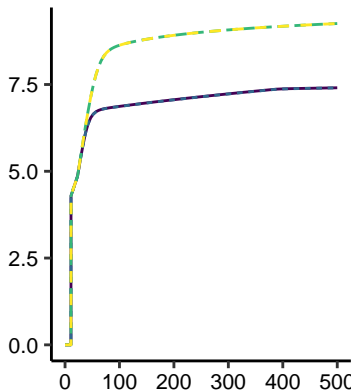
R_p



RPV_conc



RPV_pop

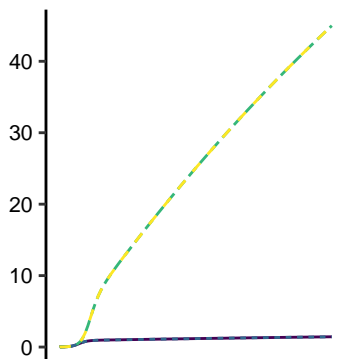


nutrient

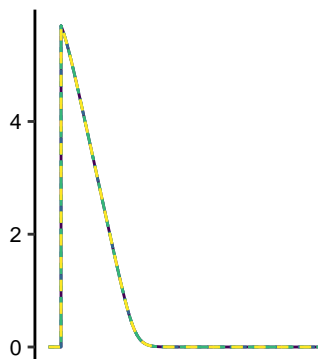
- low
- +N
- +P
- +N+P

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

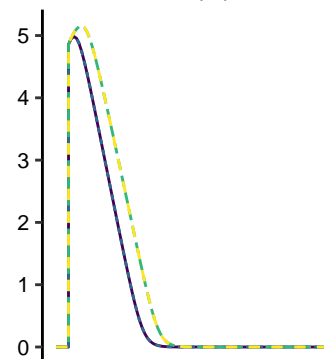
H



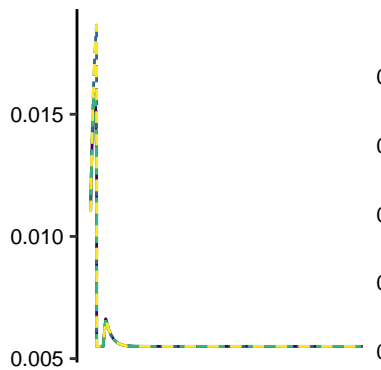
PAV_conc



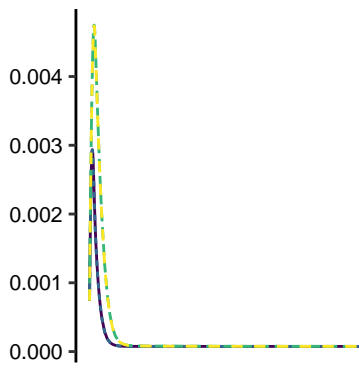
PAV_pop



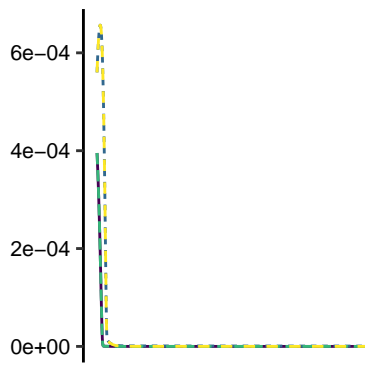
Q_n



Q_p



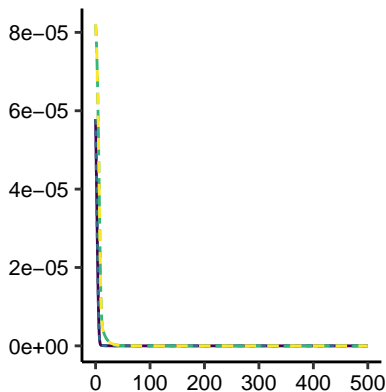
R_n



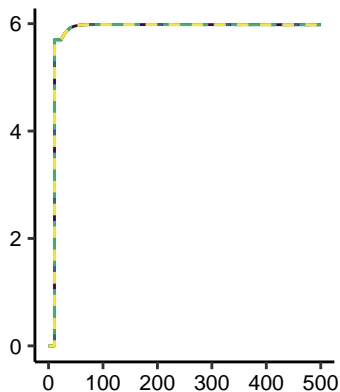
nutrient

low
+N
+P
+N+P

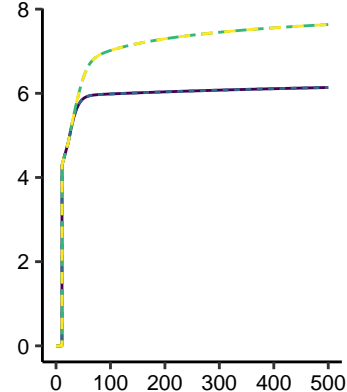
R_p



RPV_conc



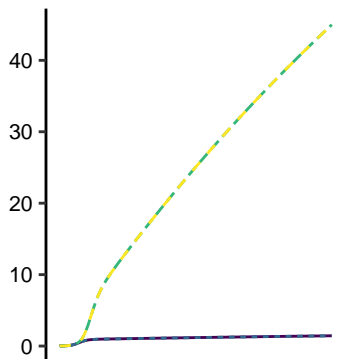
RPV_pop



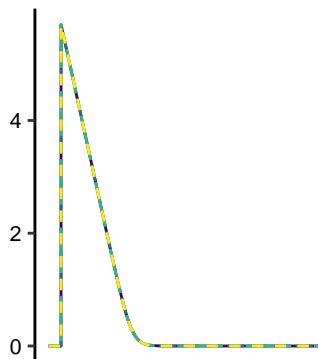
time

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

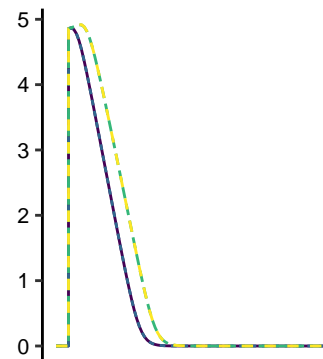
H



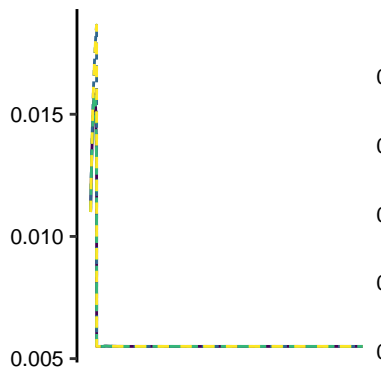
PAV_conc



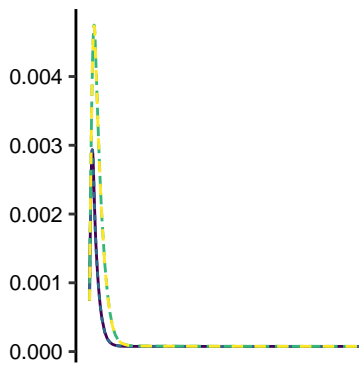
PAV_pop



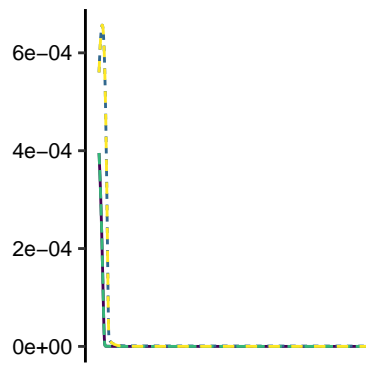
Q_n



Q_p



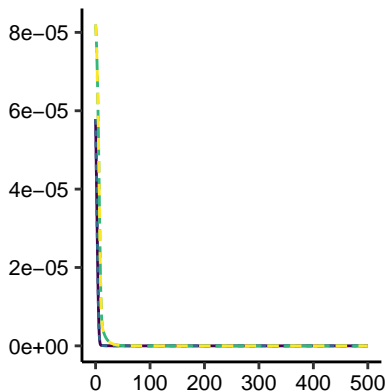
R_n



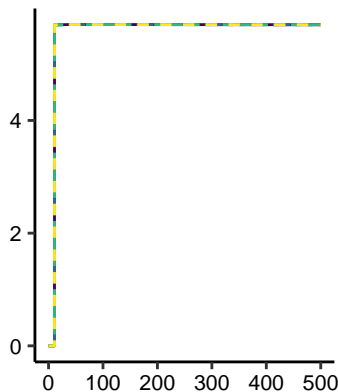
nutrient

low
+N
+P
+N+P

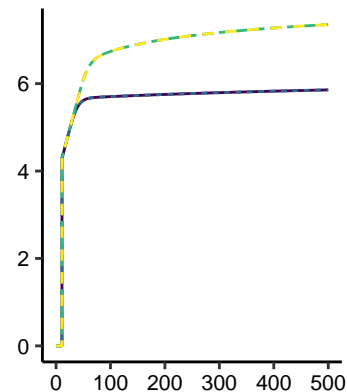
R_p



RPV_conc

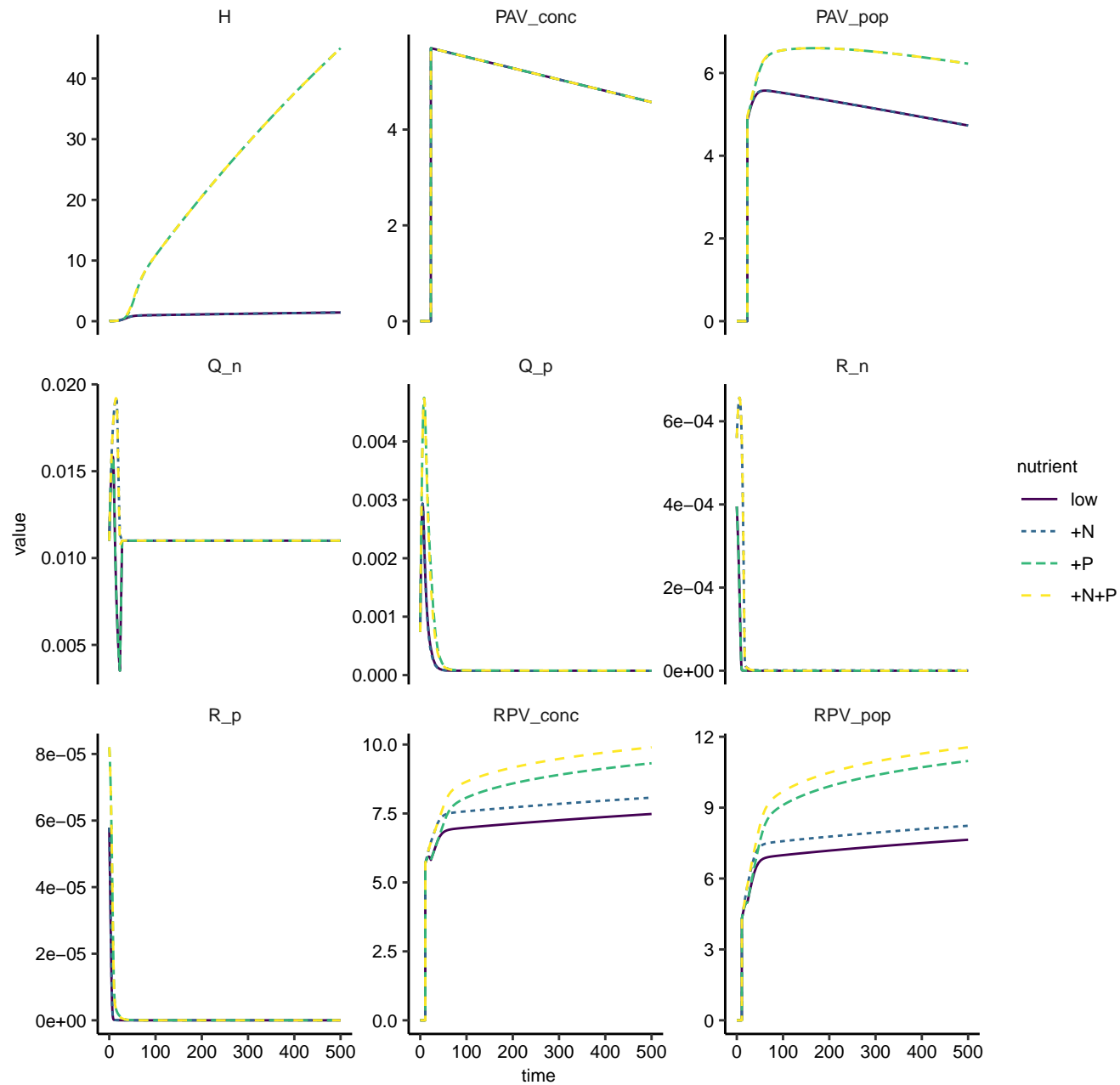


RPV_pop

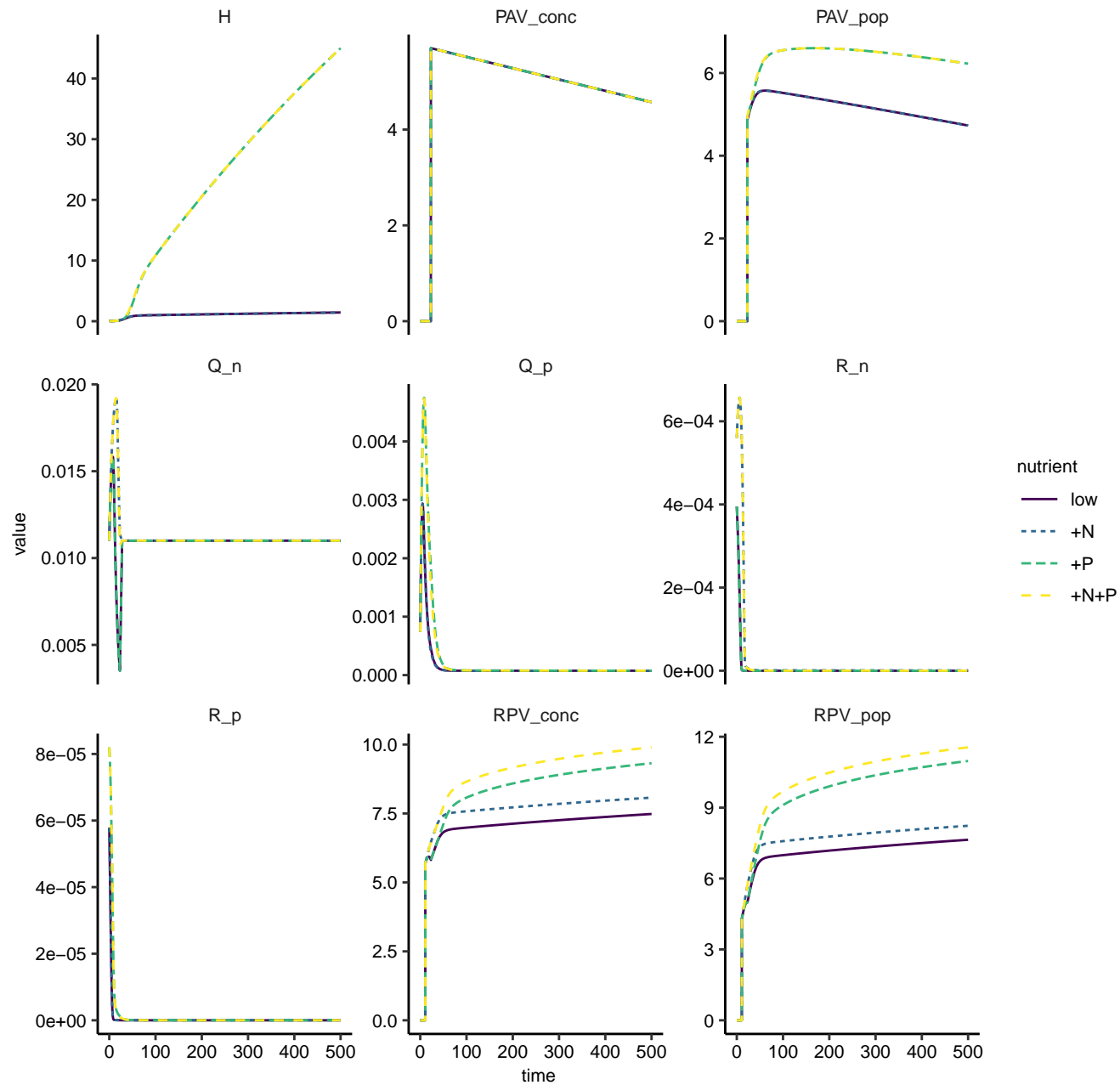


time

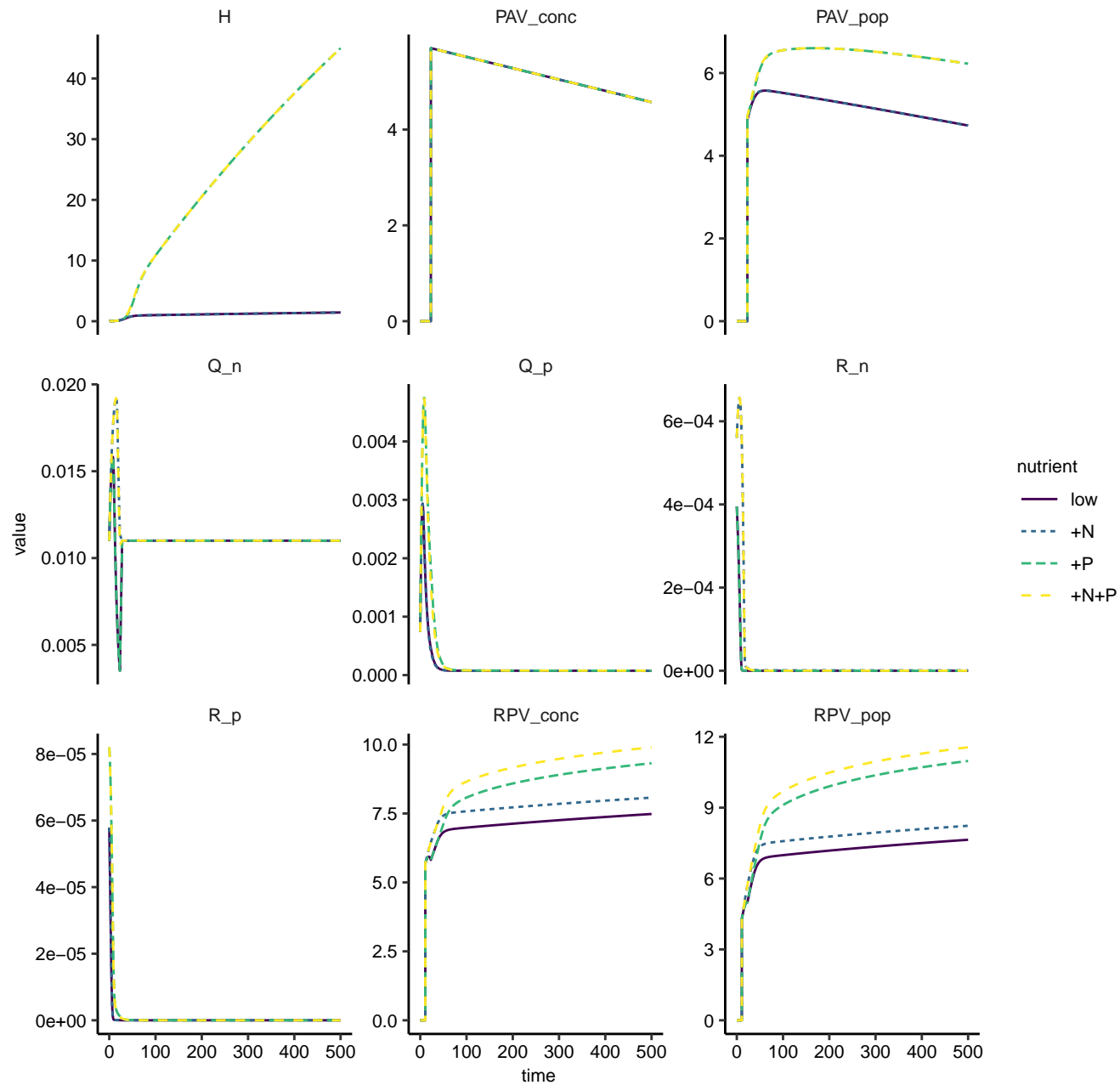
$z_nb = 1$; $z_nc = 1e-18$



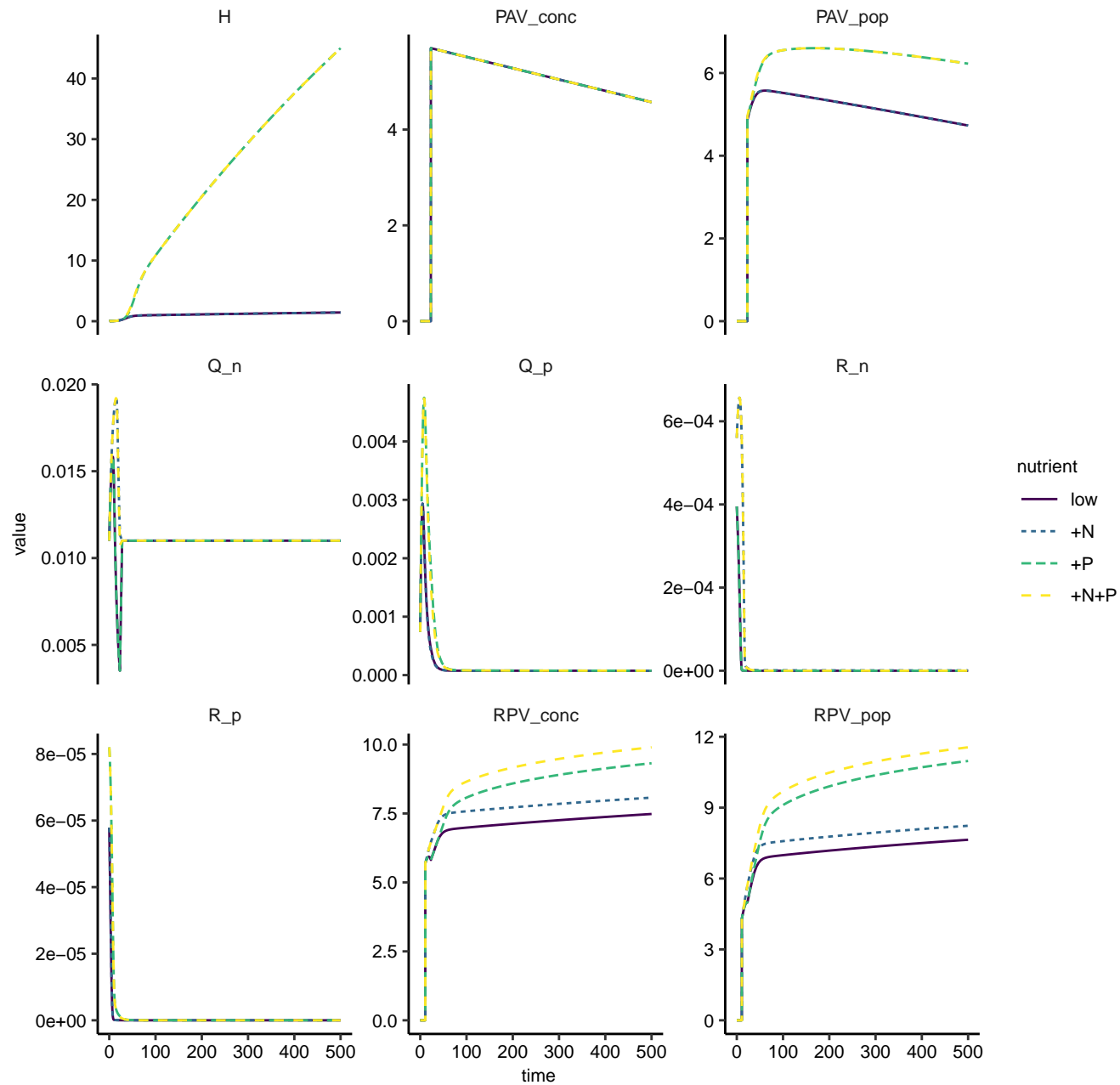
$z_nb = 1$; $z_nc = 1e-16$



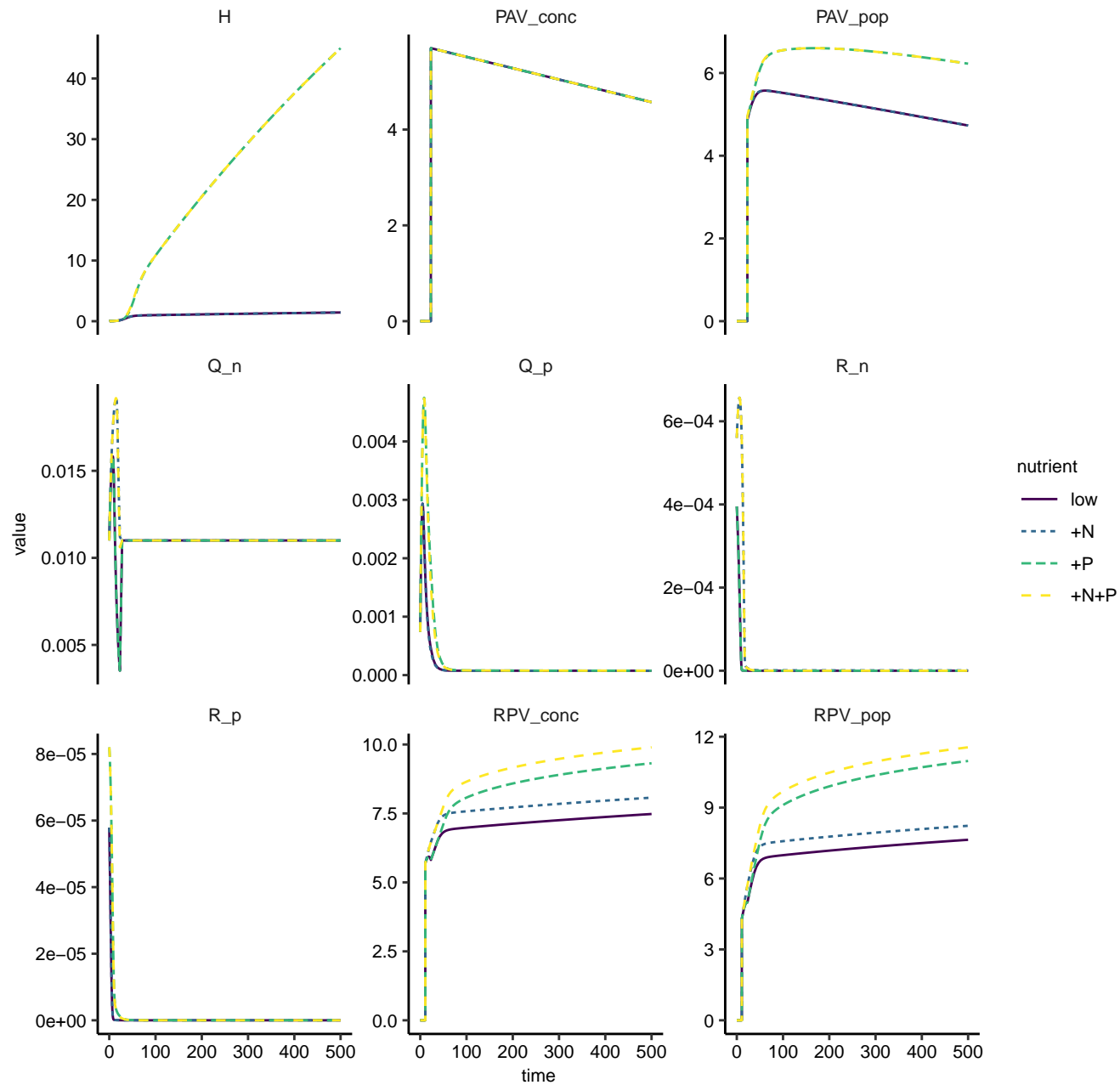
$z_nb = 1$; $z_nc = 1e-14$



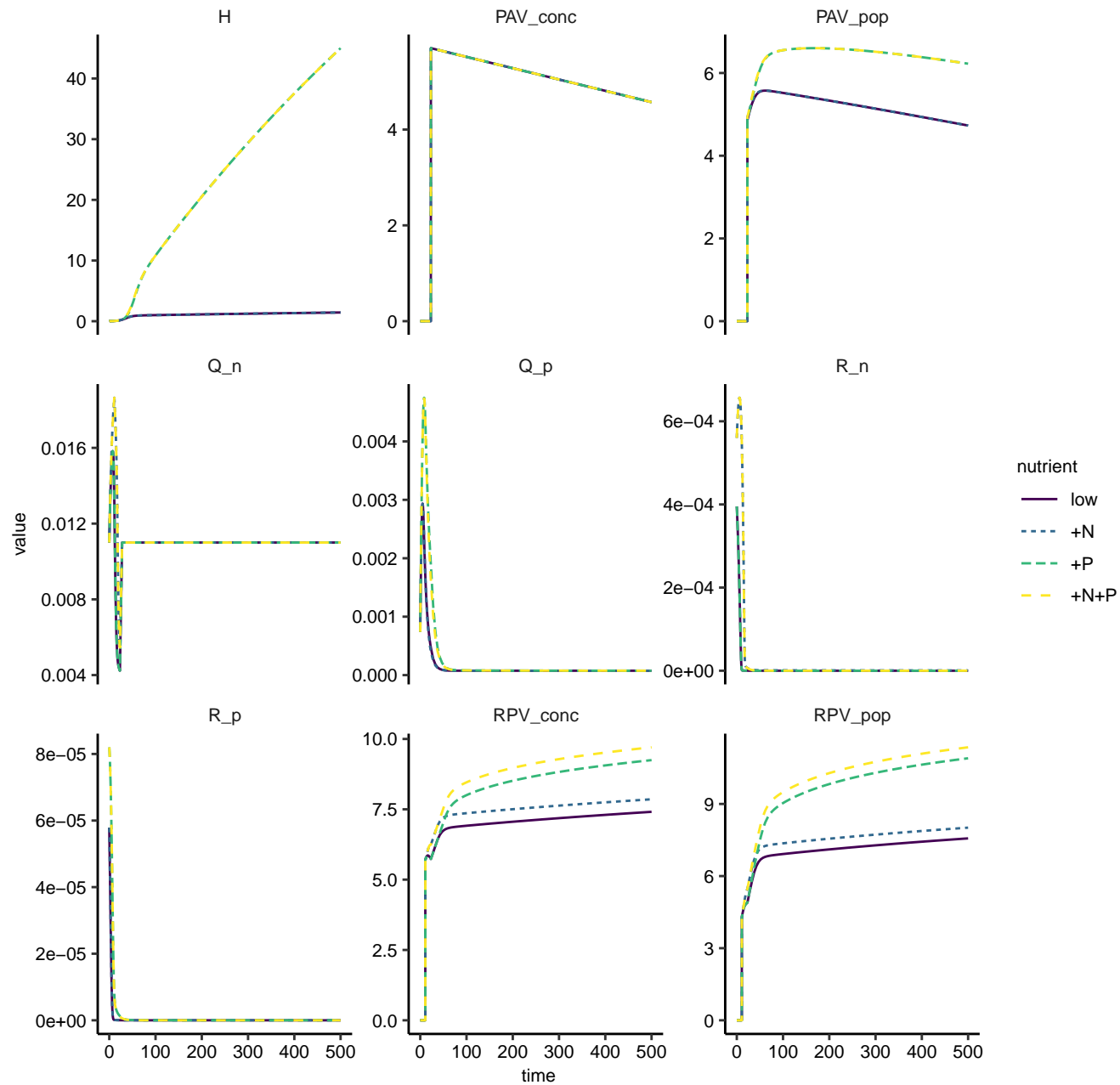
$z_nb = 1$; $z_nc = 1e-12$



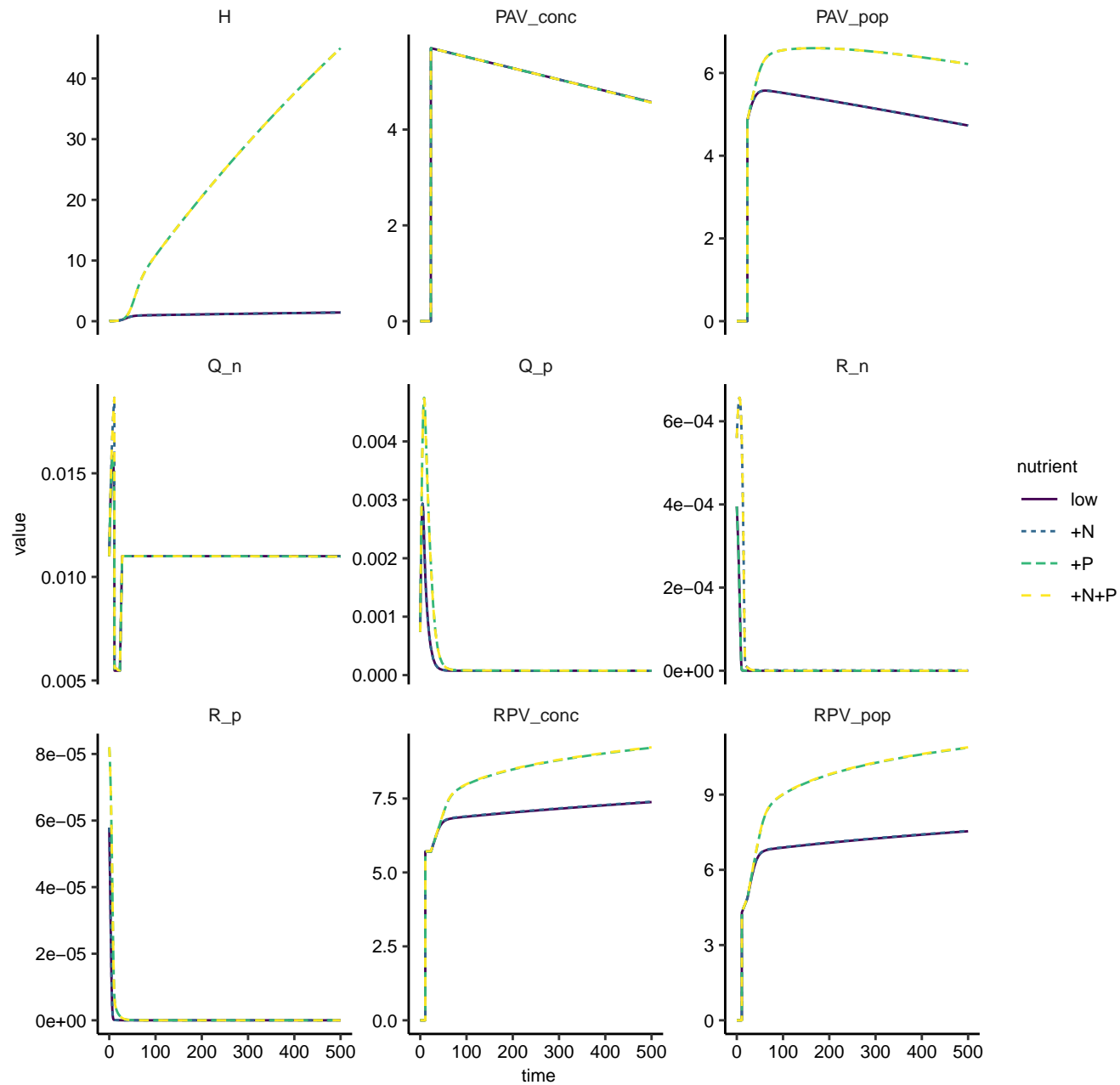
$z_nb = 1$; $z_nc = 1e-10$



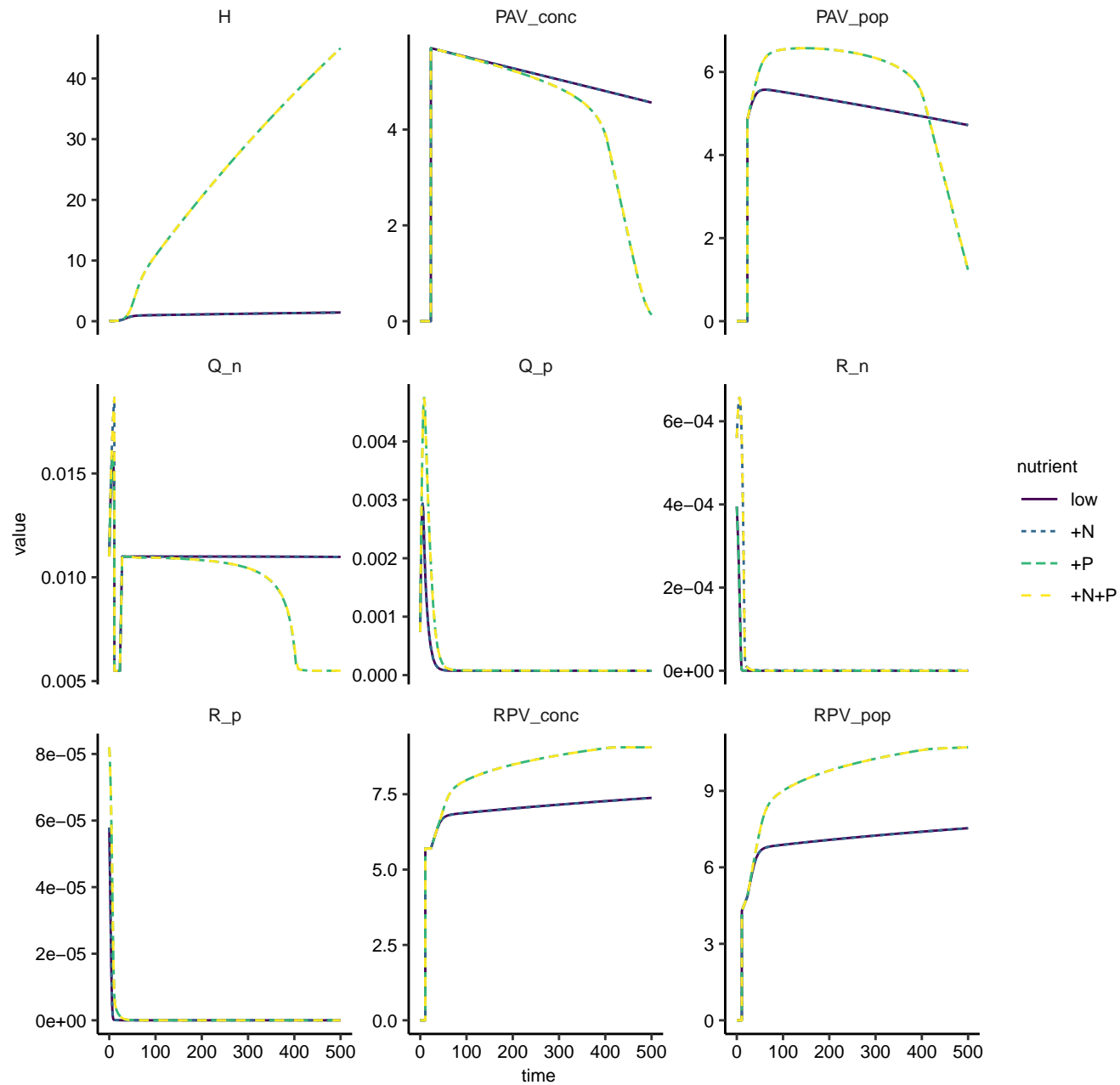
$z_nb = 1$; $z_nc = 1e-08$



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

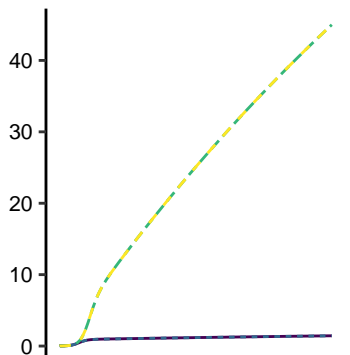


$z_nb = 1$; $z_nc = 1e-04$

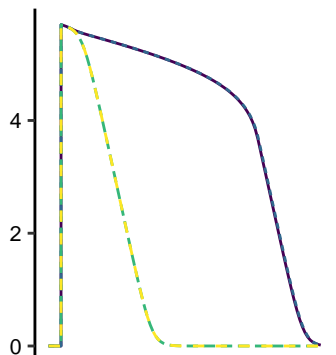


$z_nb = 1$; $z_nc = 0.01$

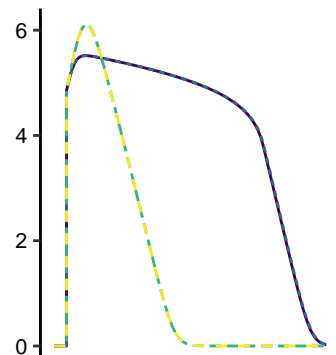
H



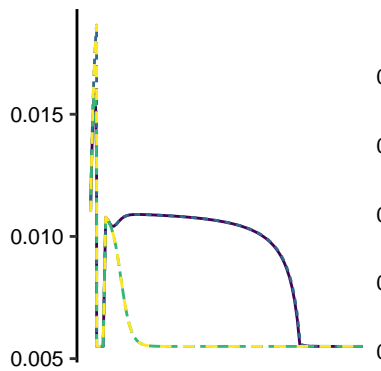
PAV_conc



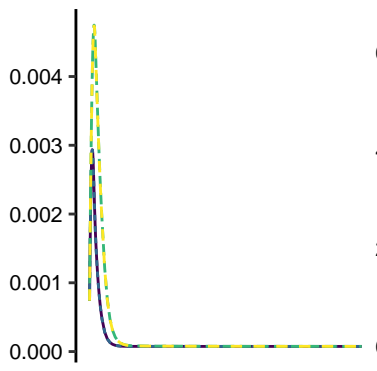
PAV_pop



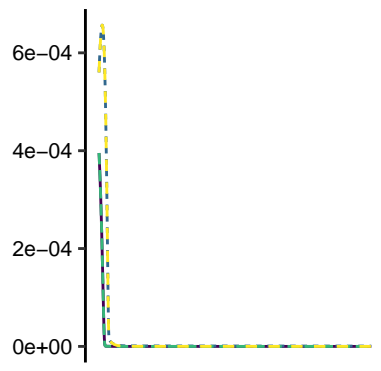
Q_n



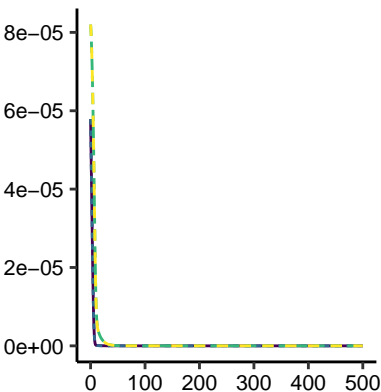
Q_p



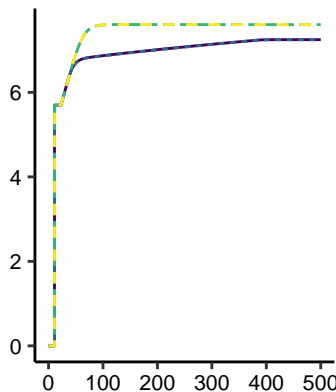
R_n



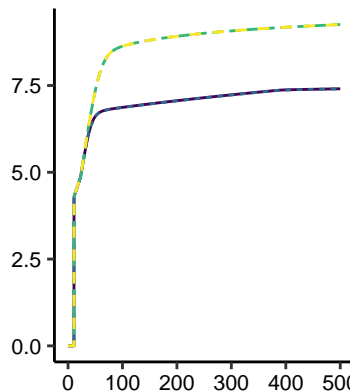
R_p



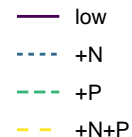
RPV_conc



RPV_pop



nutrient



$z_nb = 1; z_nc = 1$

