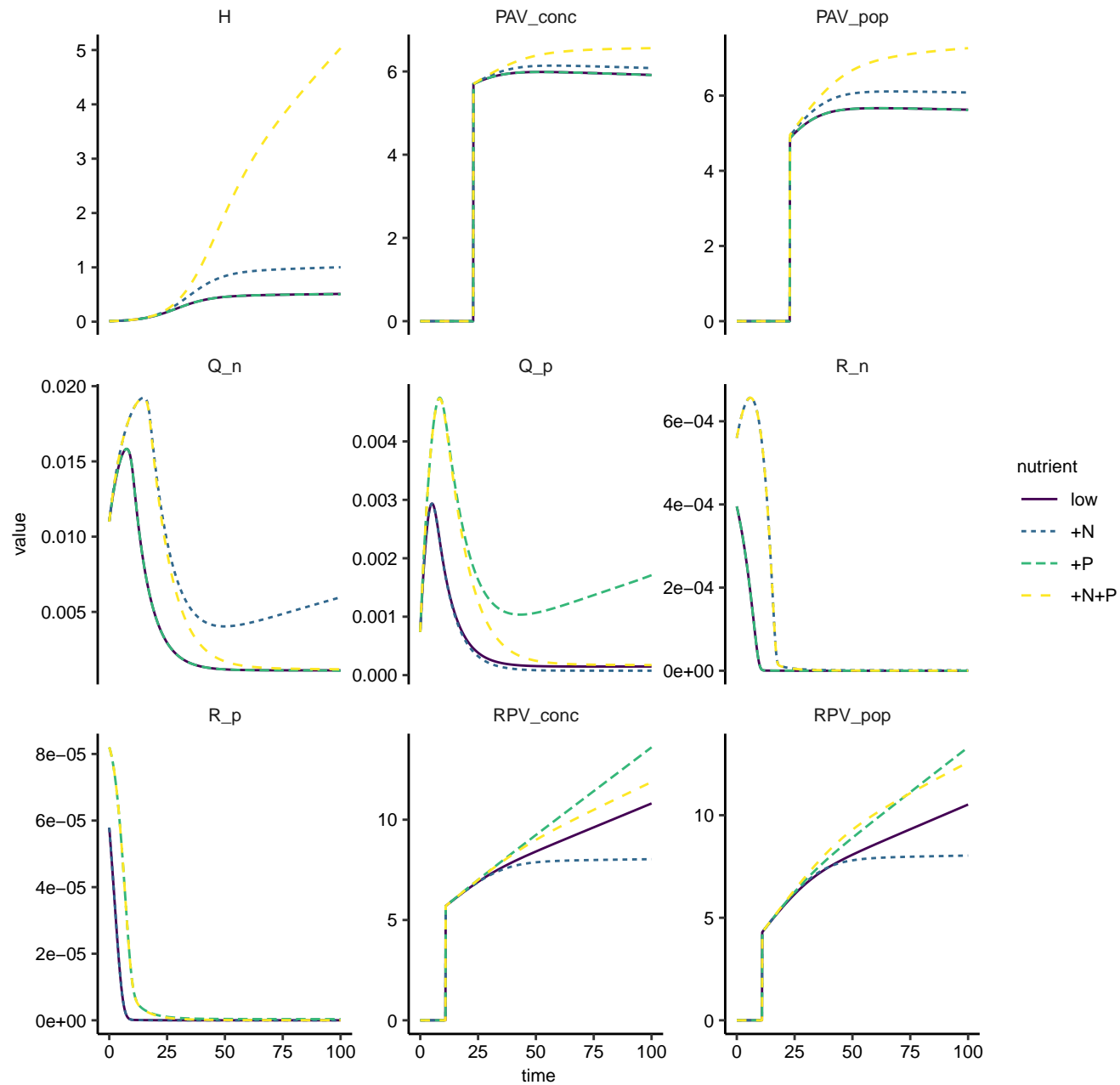
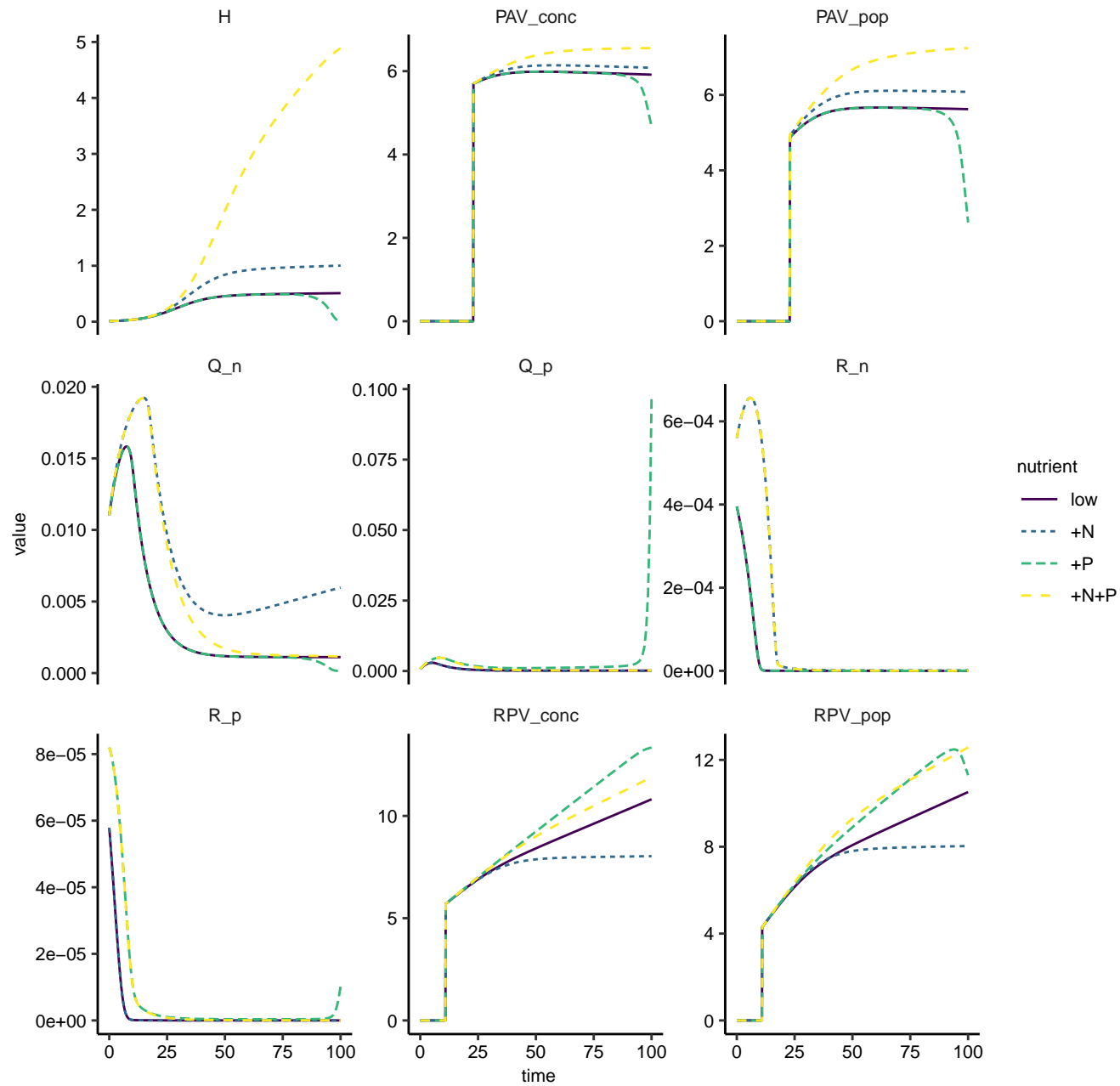


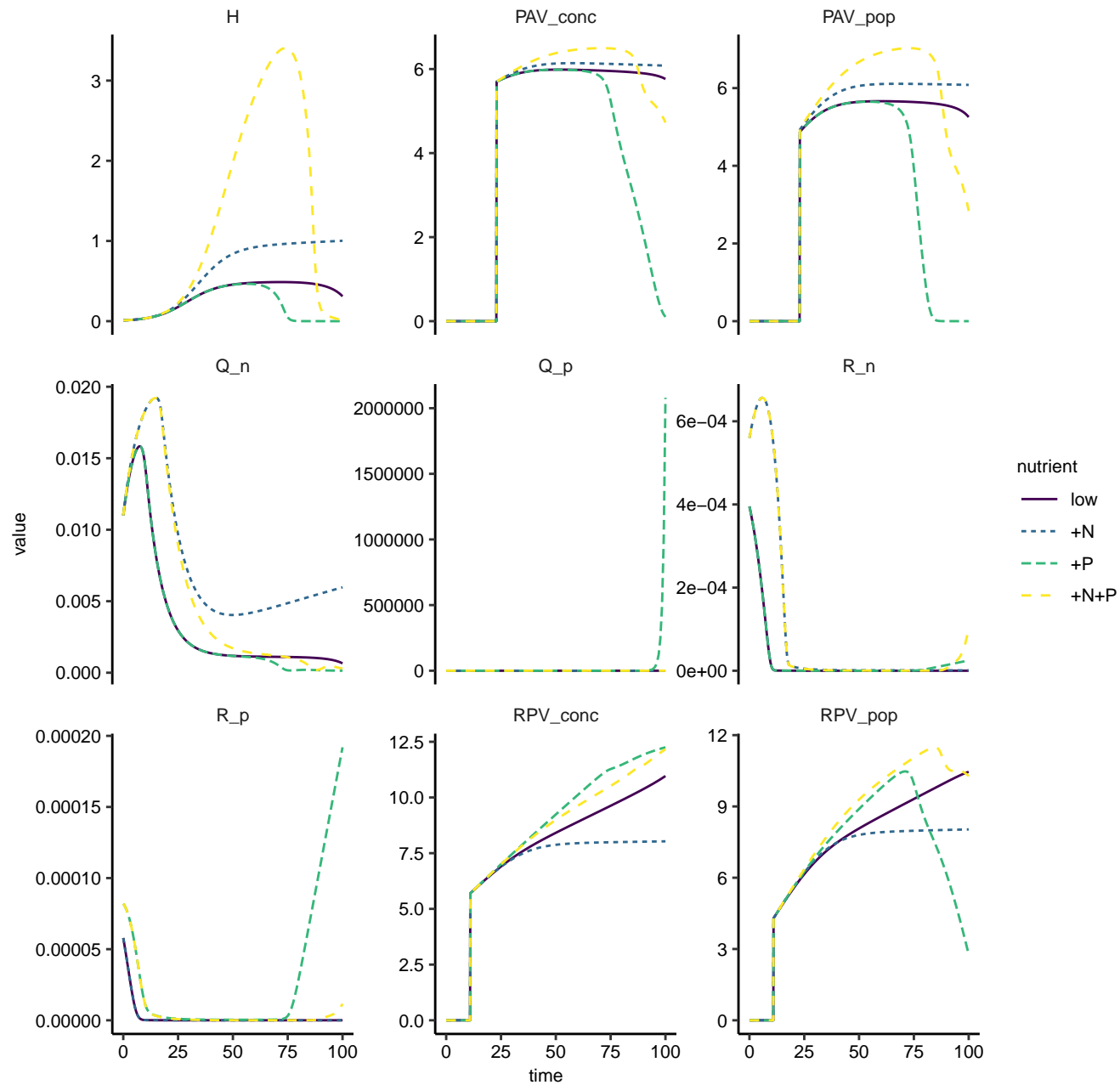
$q_{nc} = 1e-04$; $z_{nc} = 1e-18$



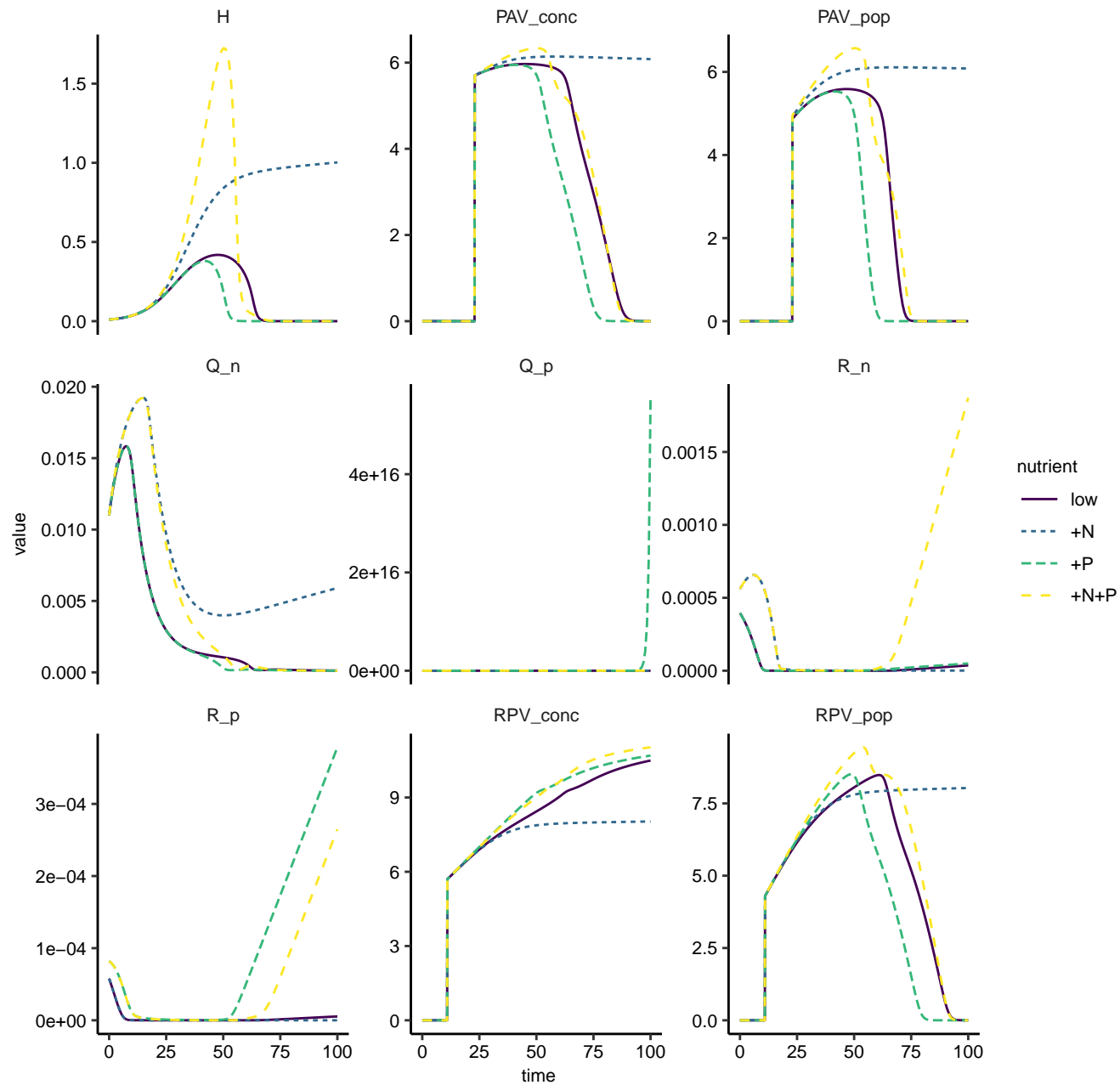
$q_{nc} = 1e-04$; $z_{nc} = 1e-16$



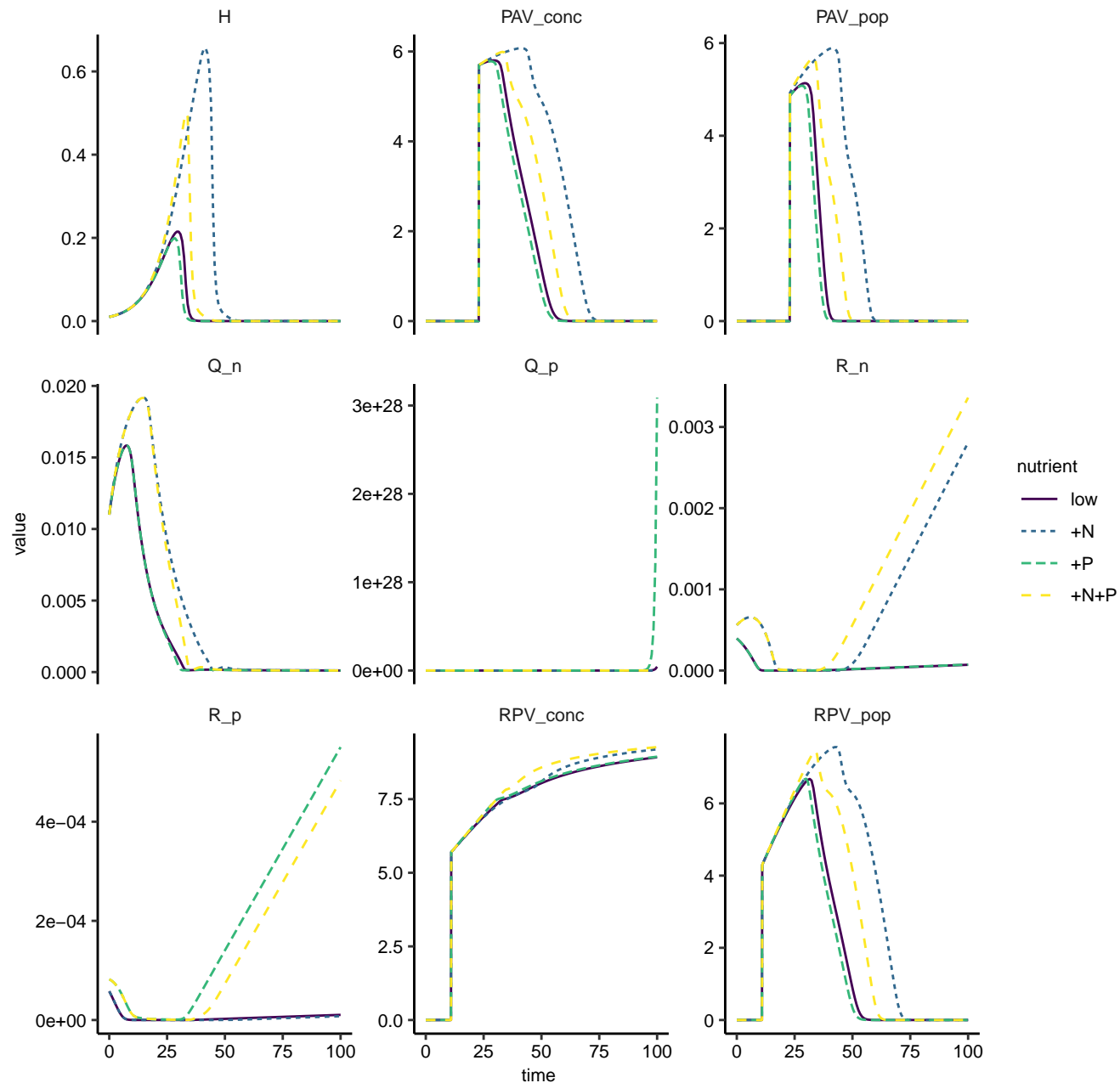
$q_{nc} = 1e-04$; $z_{nc} = 1e-14$



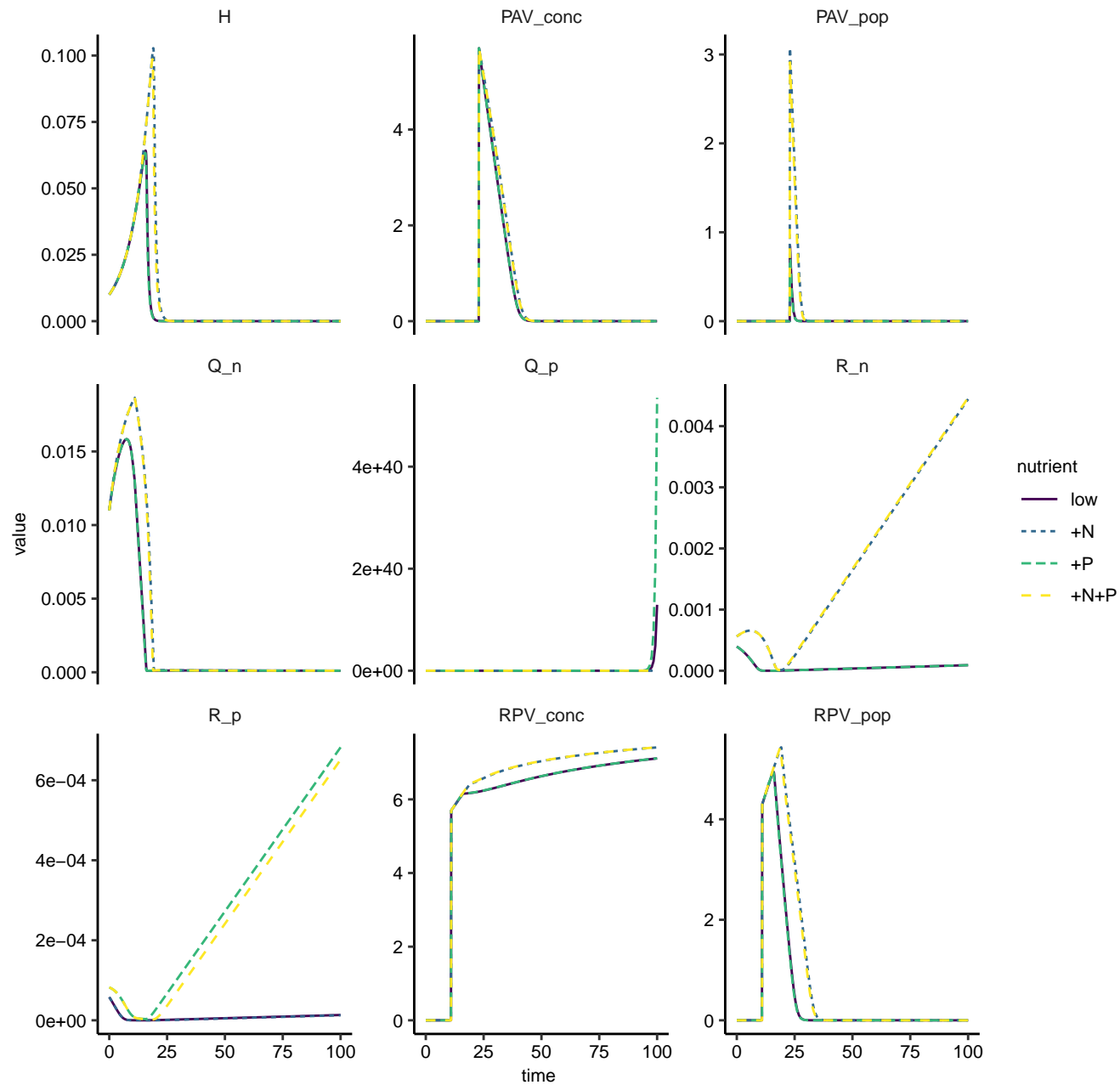
$q_{nc} = 1e-04$; $z_{nc} = 1e-12$



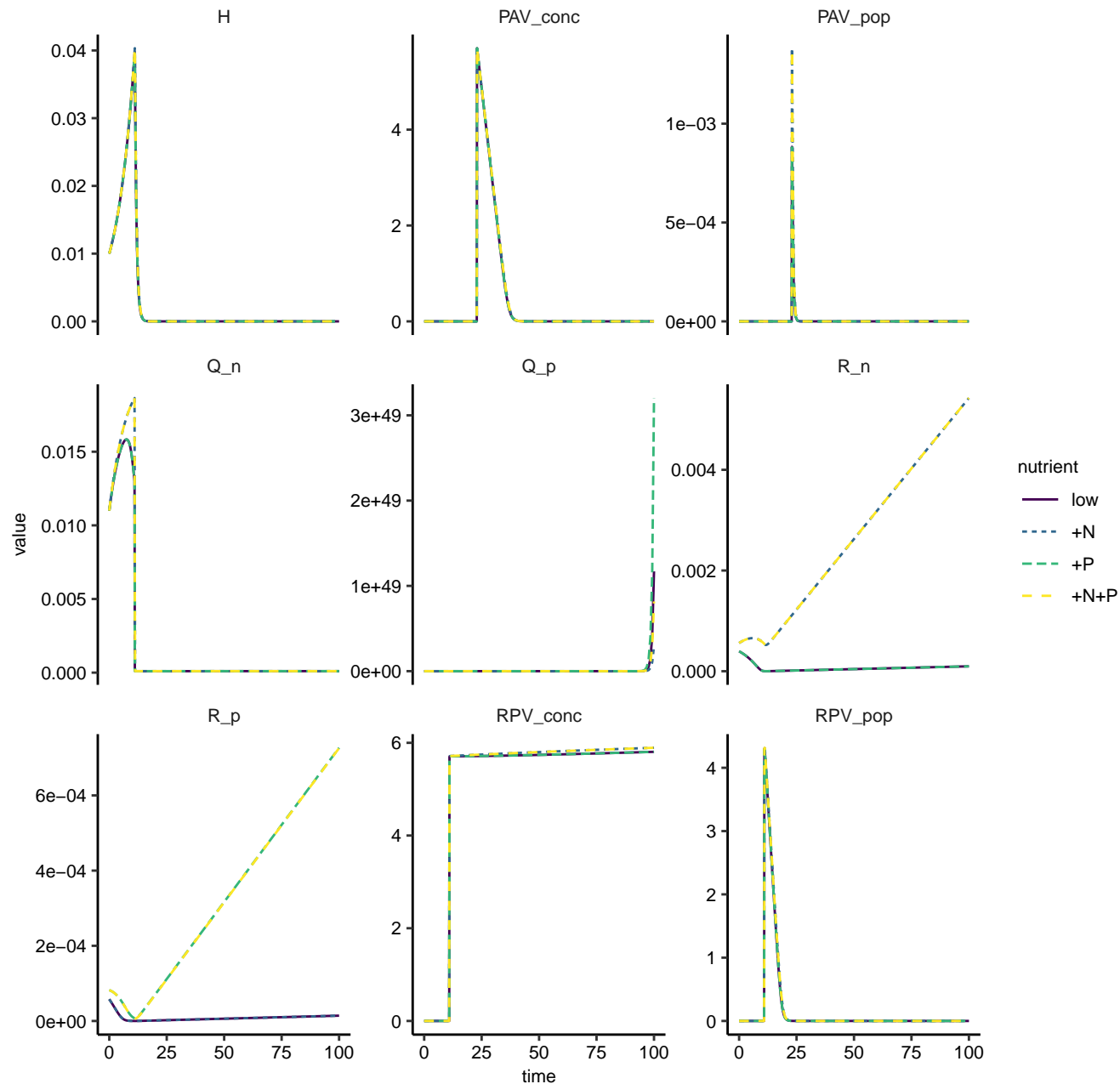
$q_{nc} = 1e-04$; $z_{nc} = 1e-10$



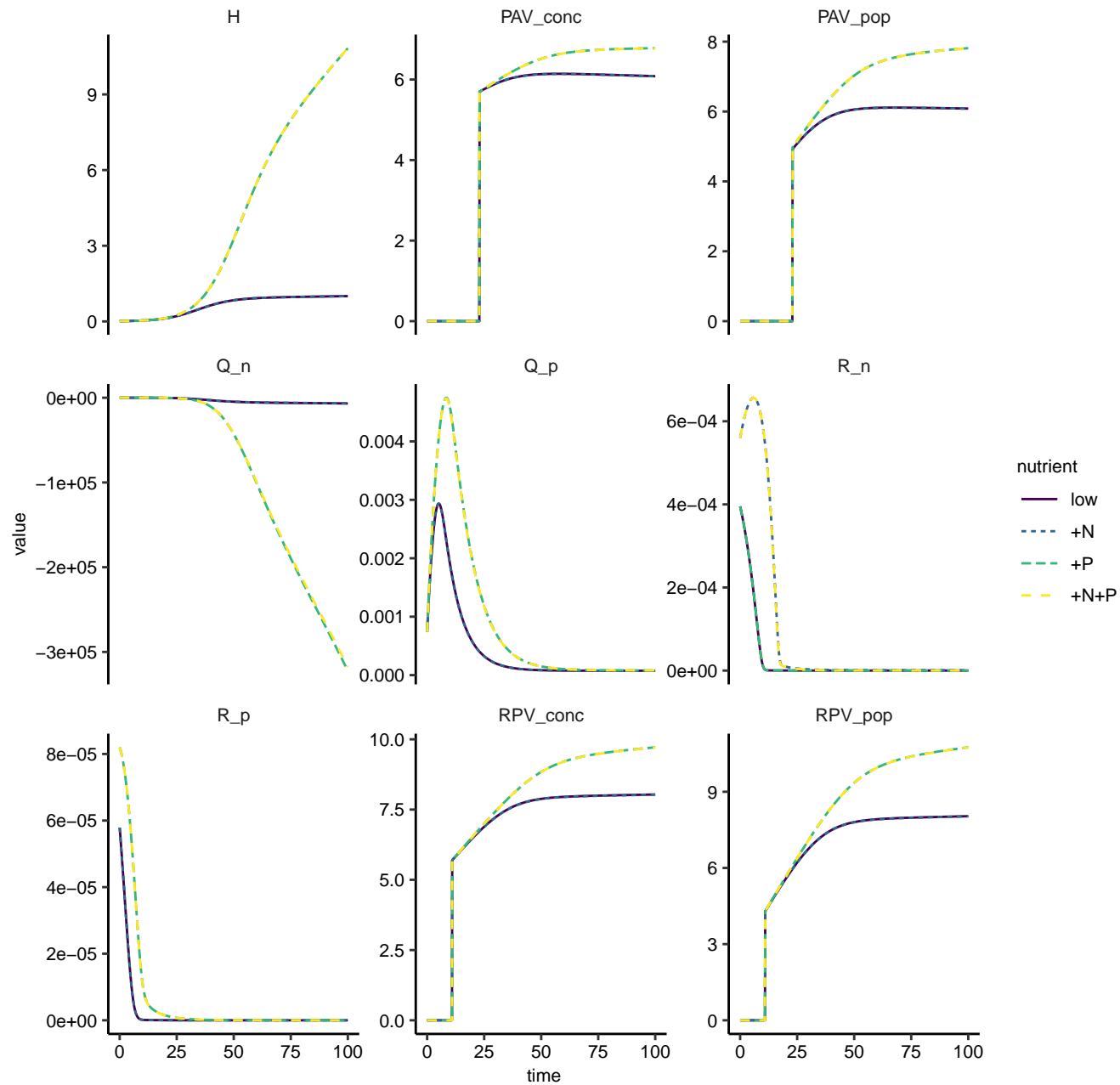
$q_{nc} = 1e-04$; $z_{nc} = 1e-08$



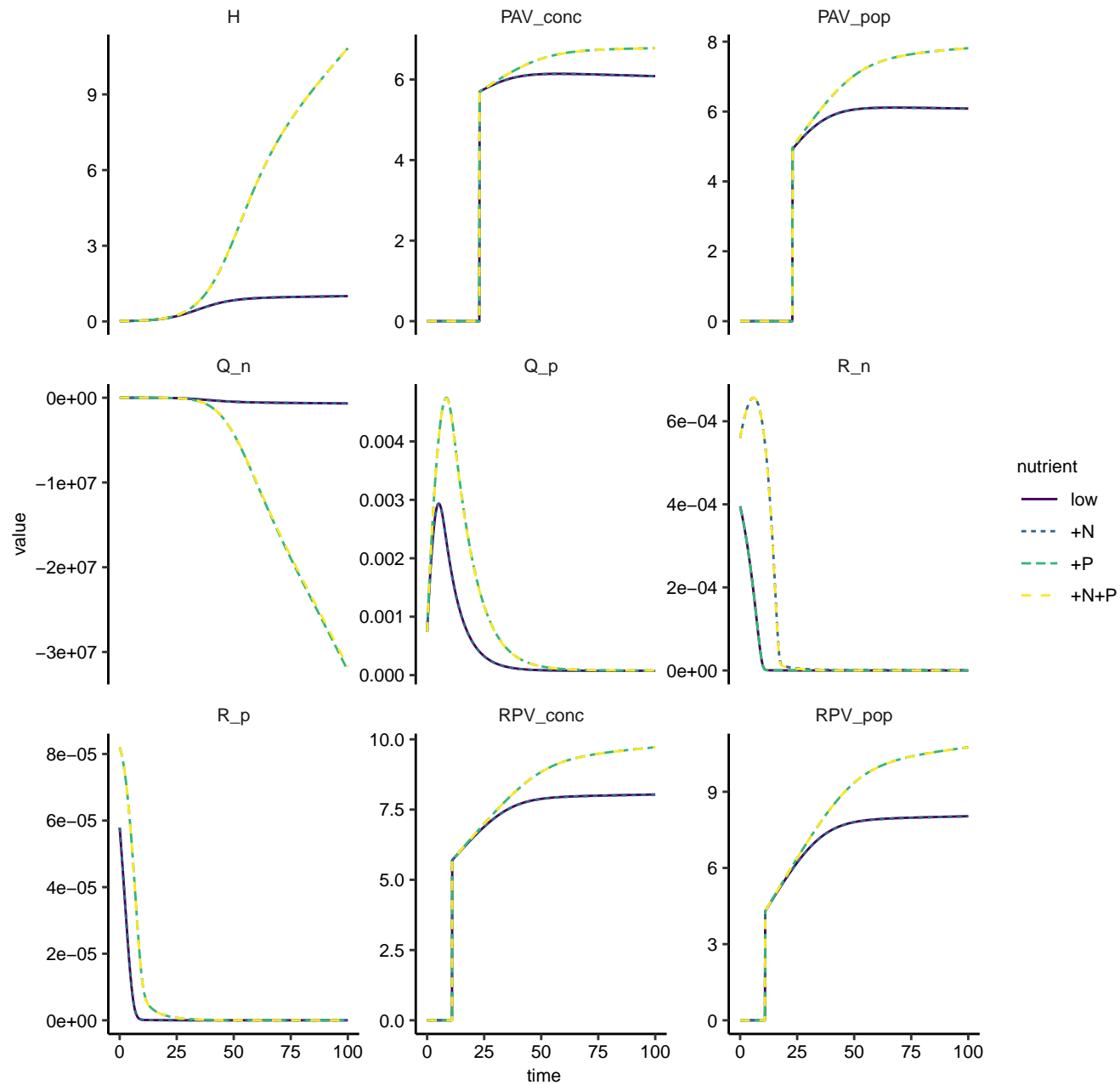
$q_{nc} = 1e-04$; $z_{nc} = 1e-06$



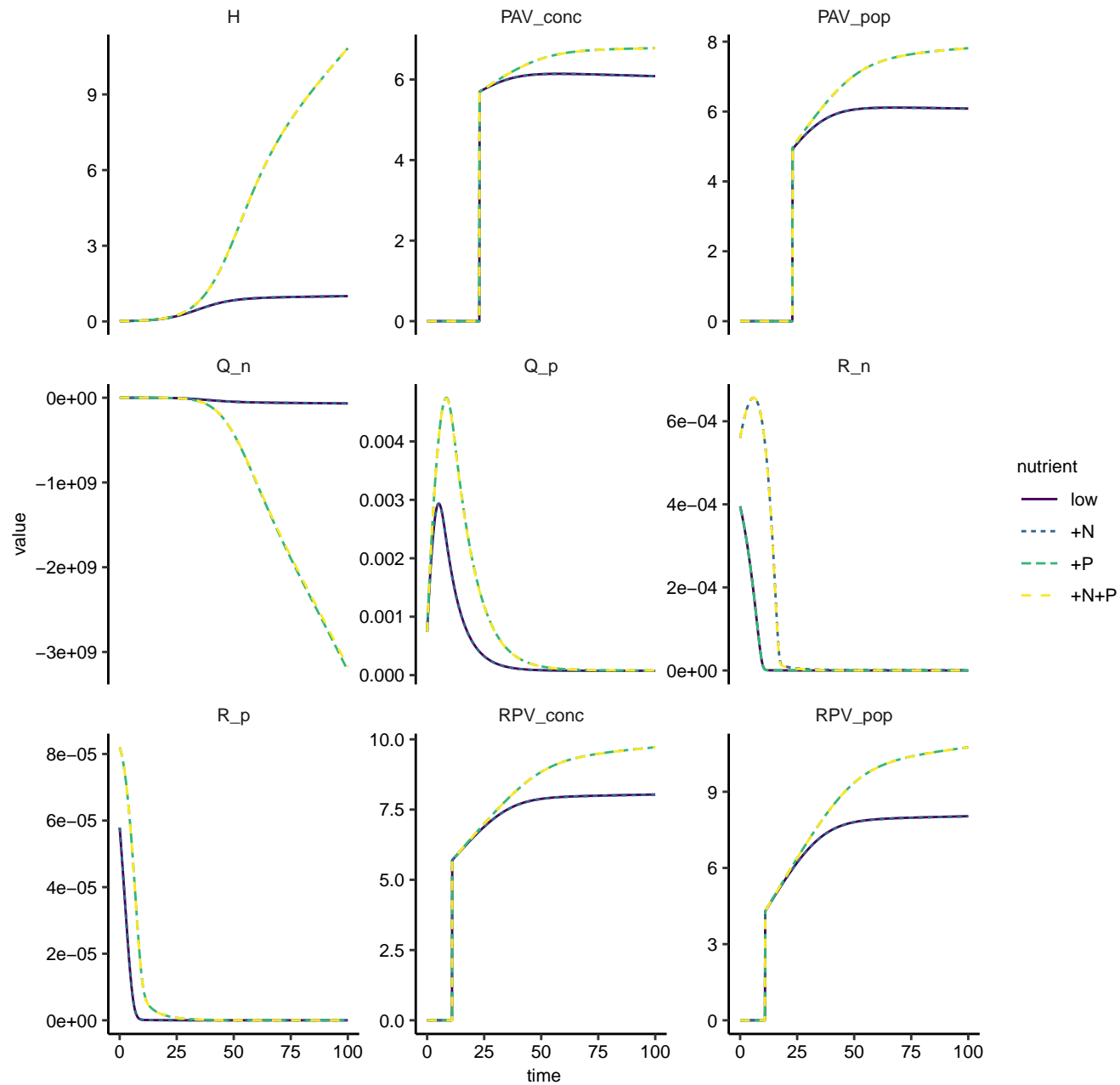
$q_{nc} = 1e-04$; $z_{nc} = 1e-04$



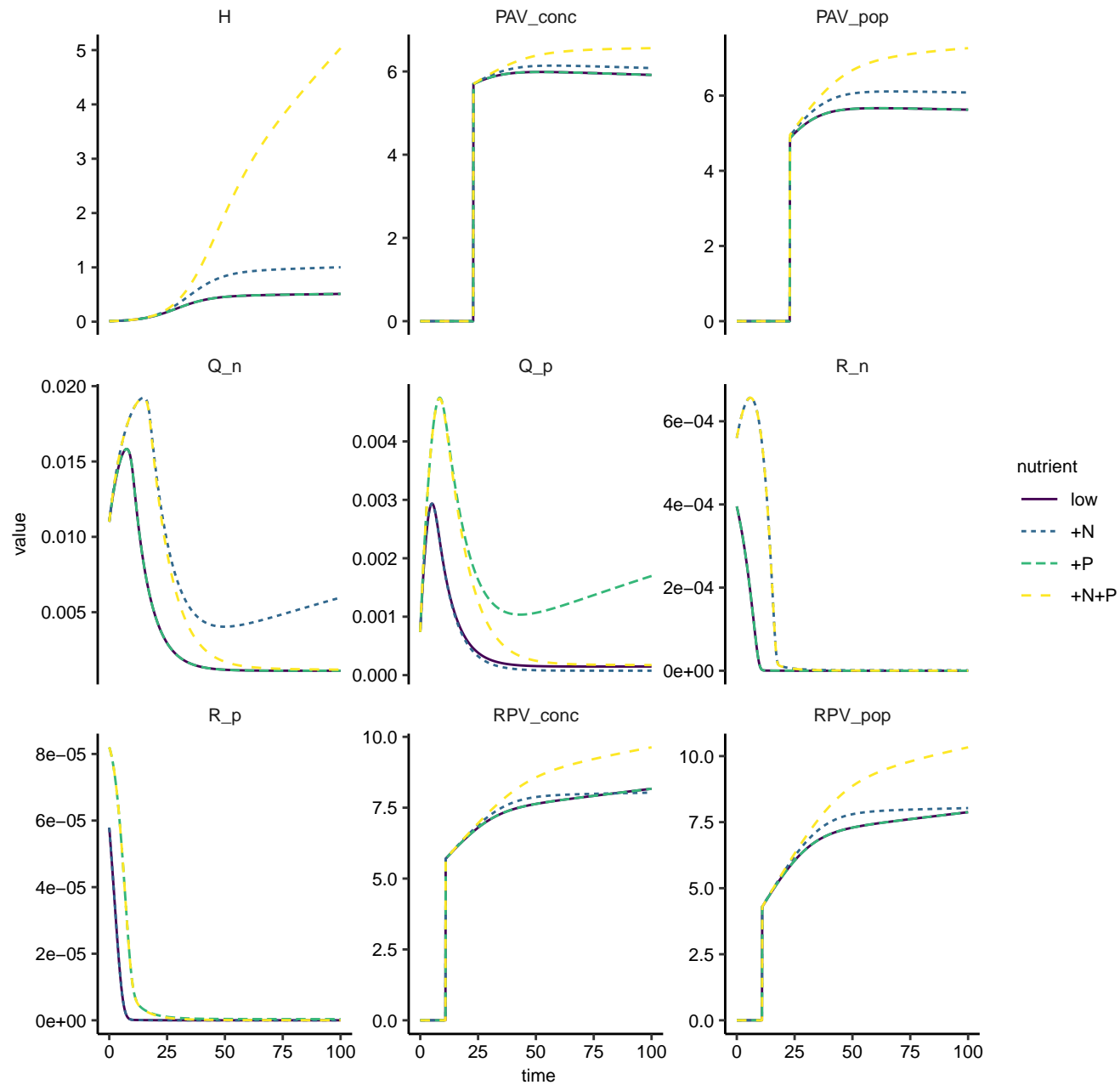
$q_{nc} = 1e-04$; $z_{nc} = 0.01$



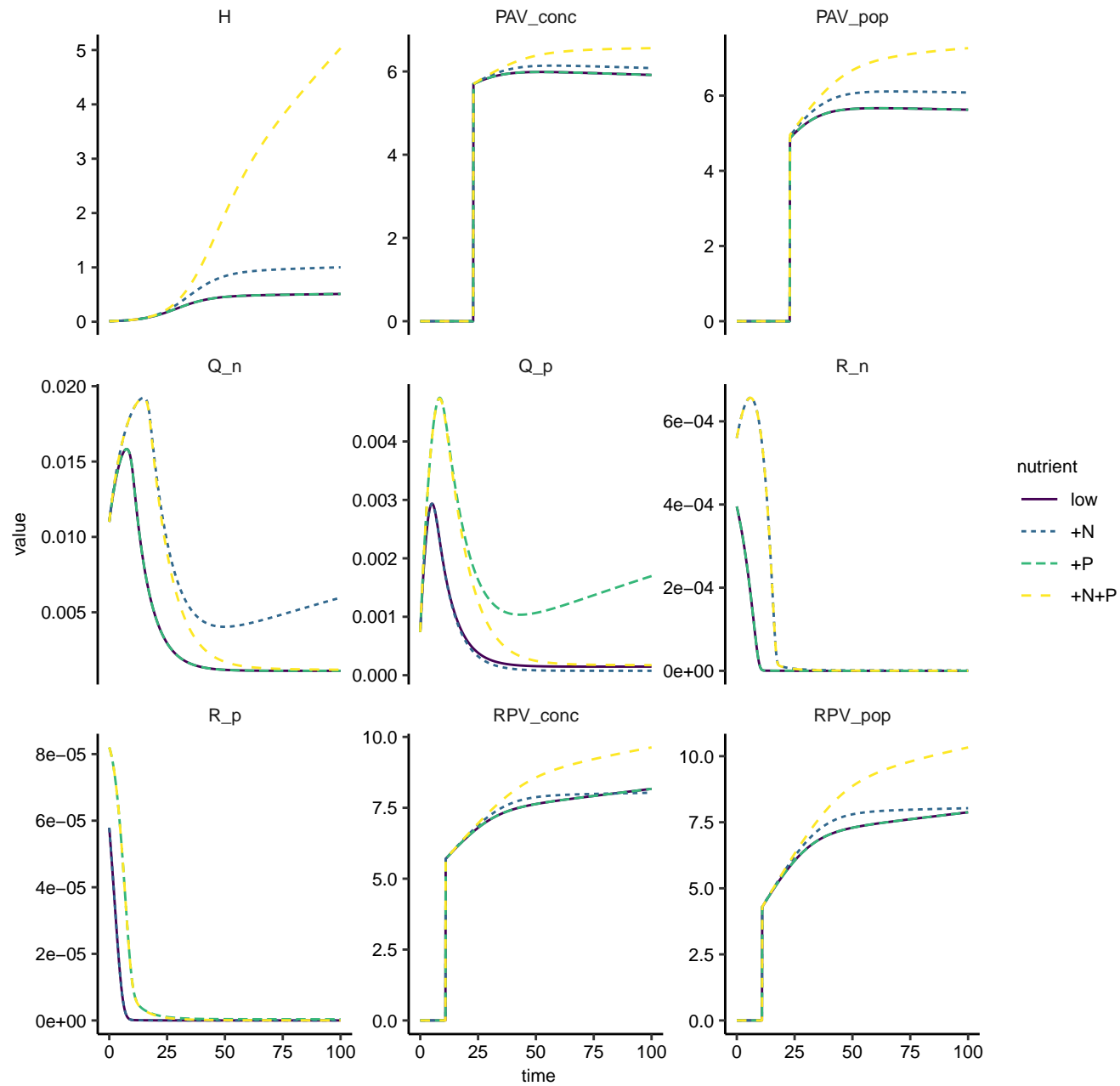
$q_{nc} = 1e-04$; $z_{nc} = 1$



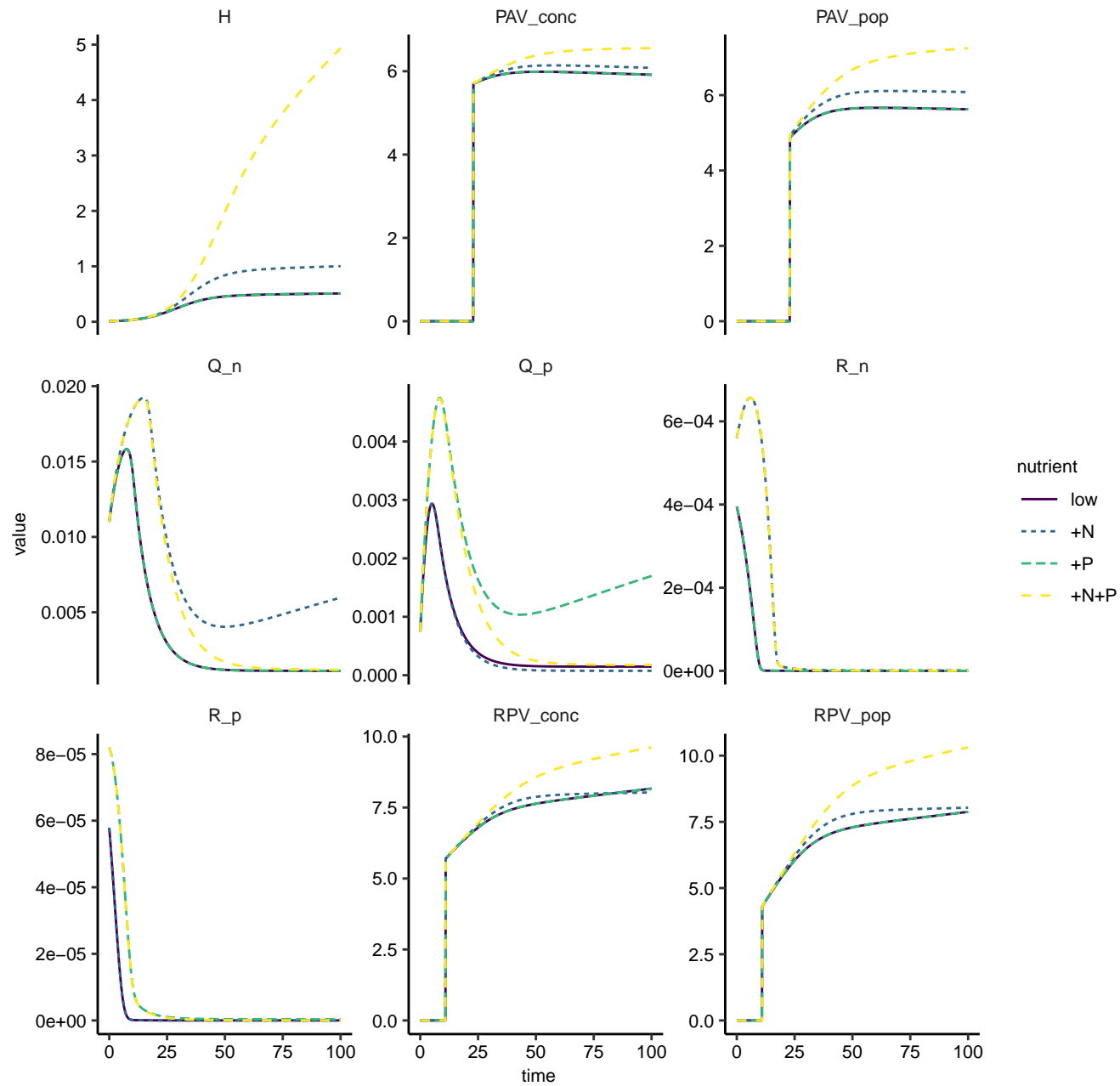
$q_{nc} = 0.001$; $z_{nc} = 1e-18$



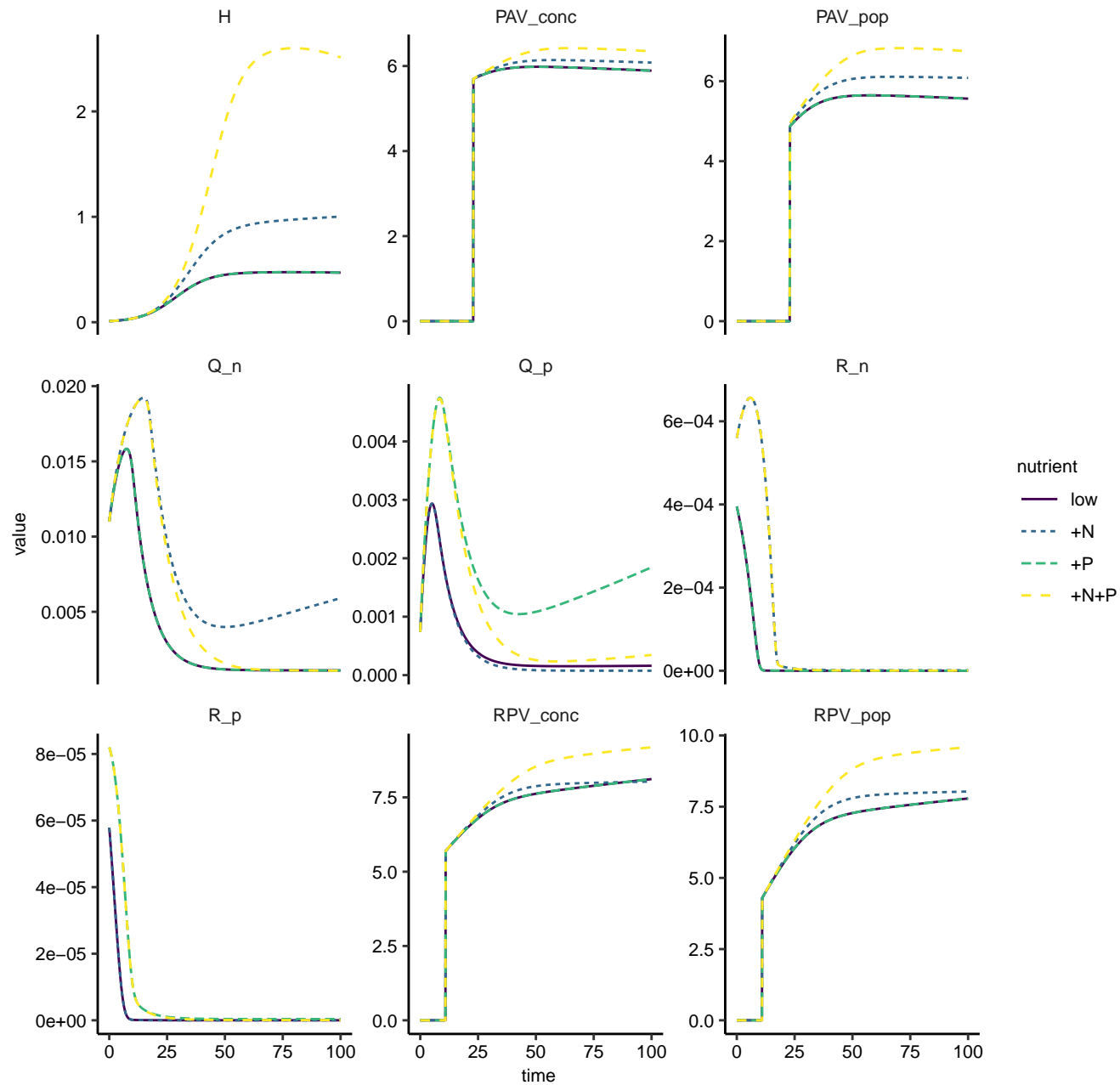
$q_{nc} = 0.001$; $z_{nc} = 1e-16$



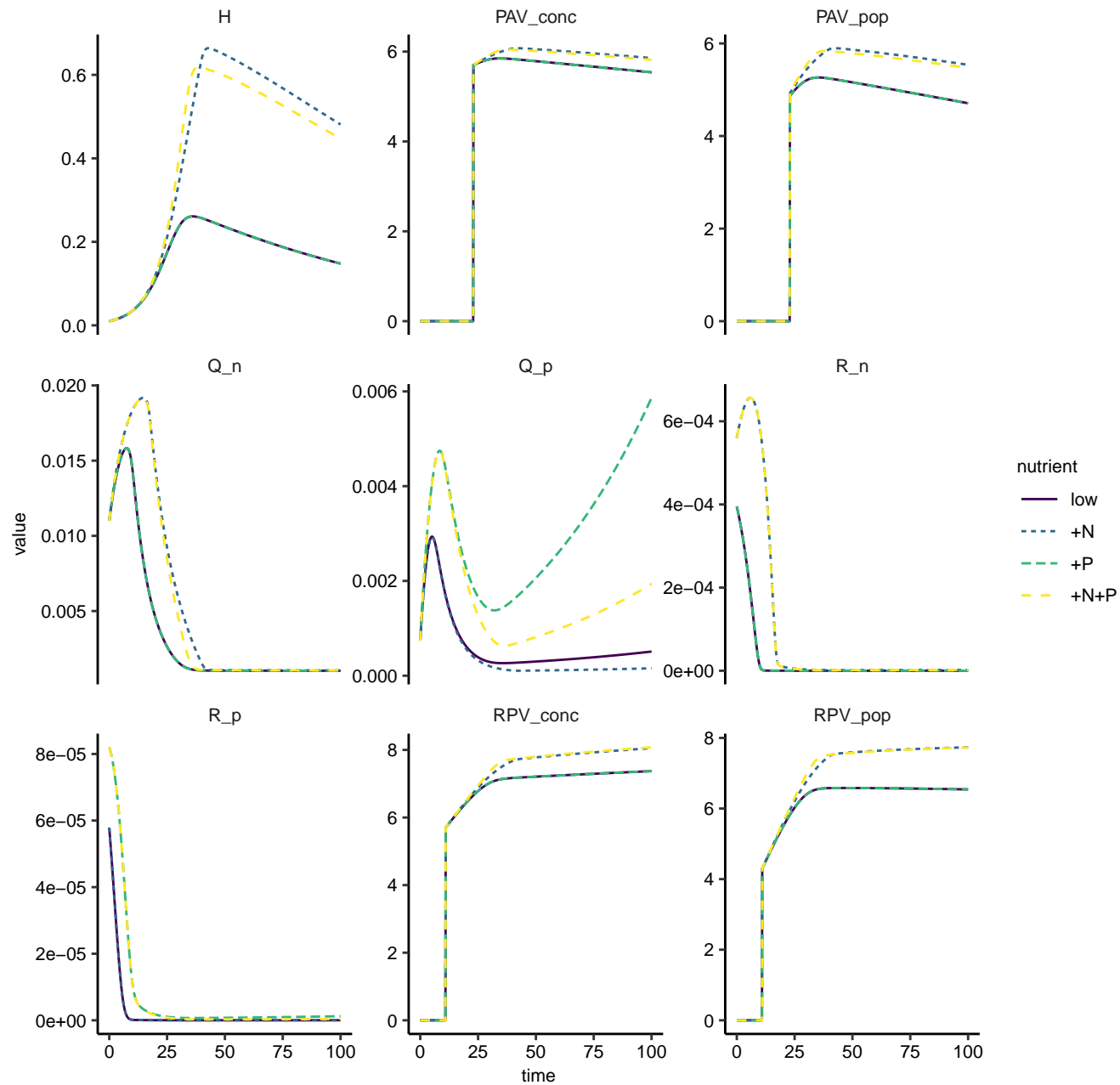
$q_{nc} = 0.001$; $z_{nc} = 1e-14$



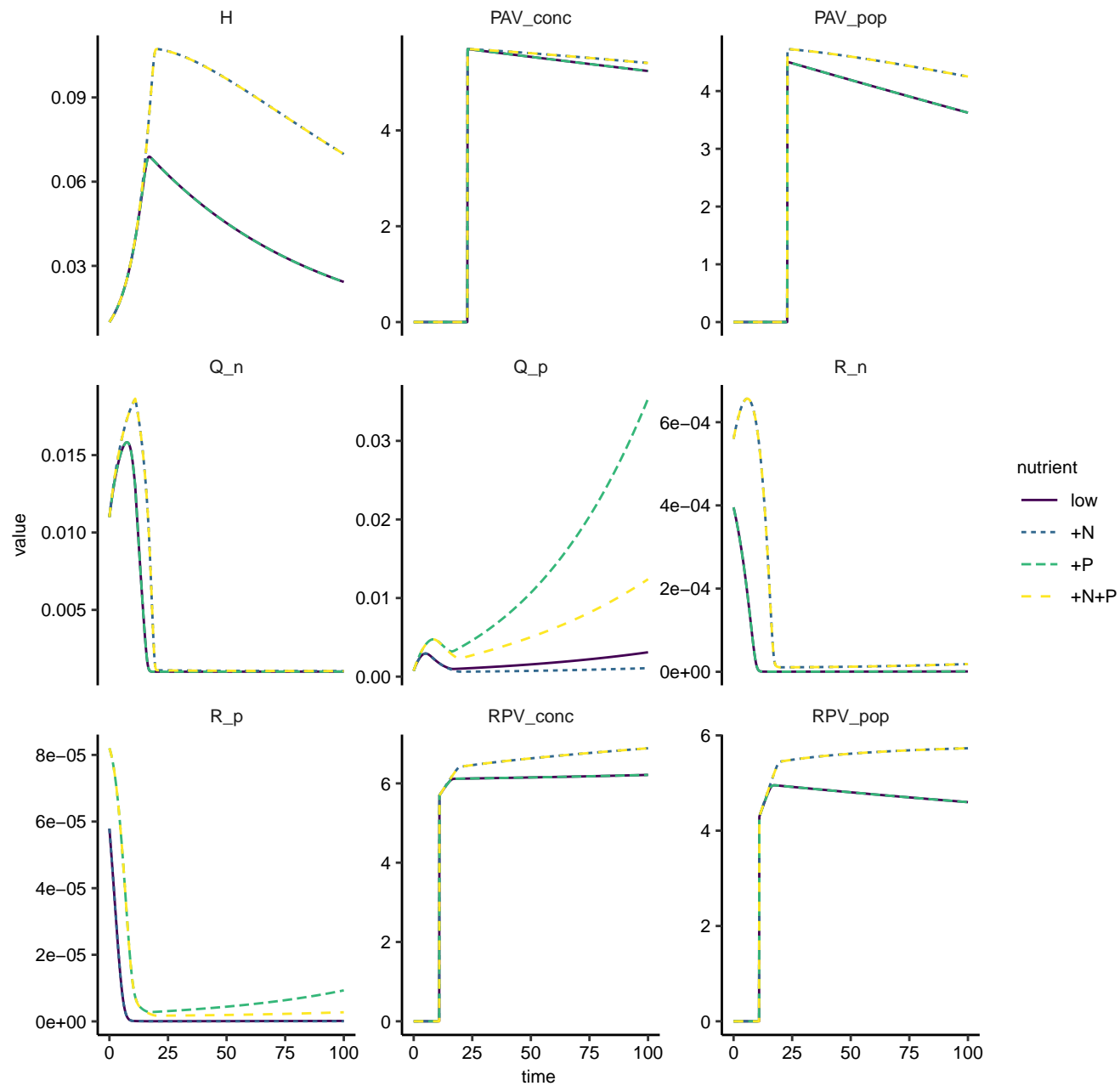
$q_{nc} = 0.001$; $z_{nc} = 1e-12$



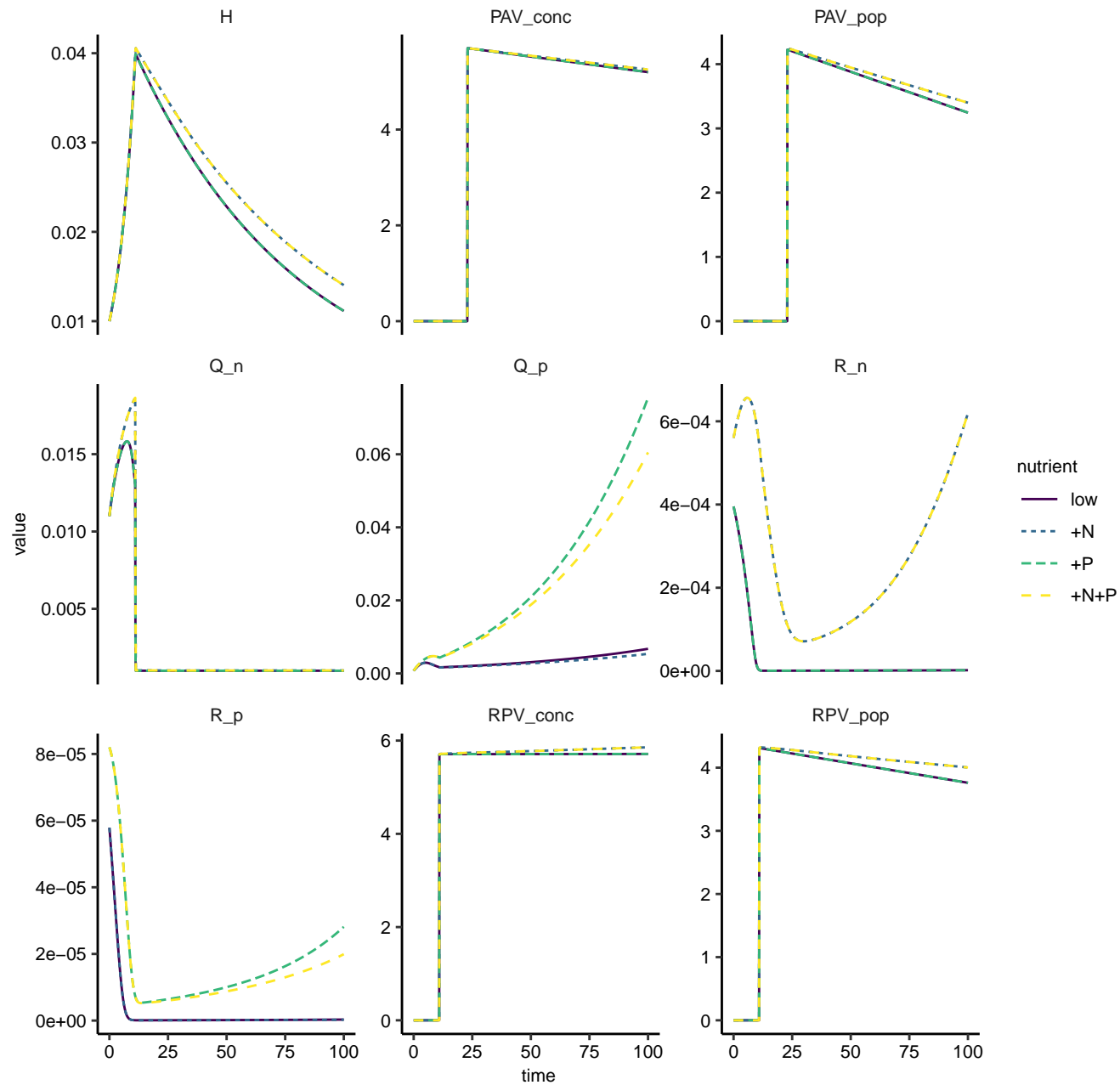
$q_{nc} = 0.001$; $z_{nc} = 1e-10$



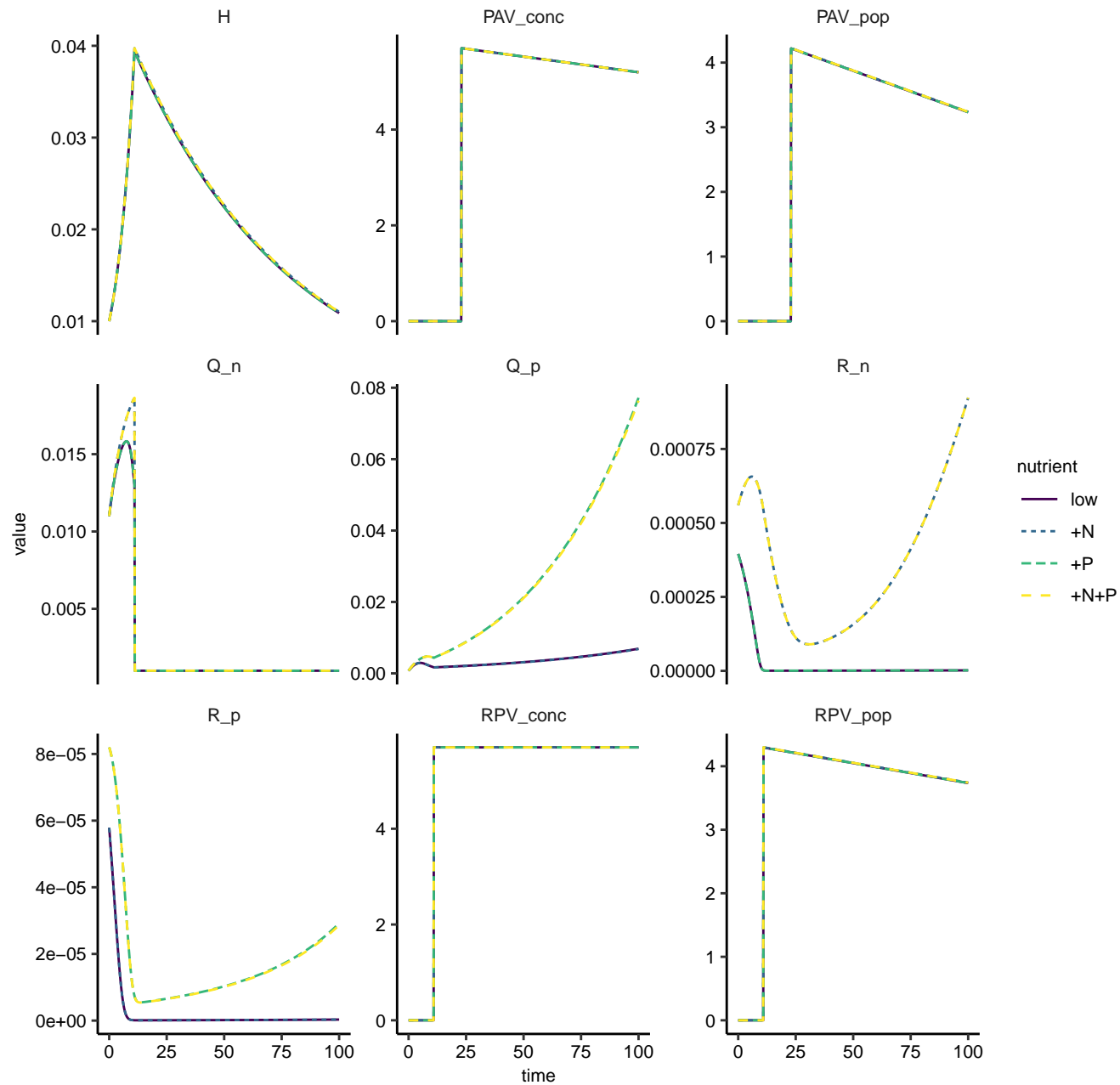
$q_{nc} = 0.001$; $z_{nc} = 1e-08$



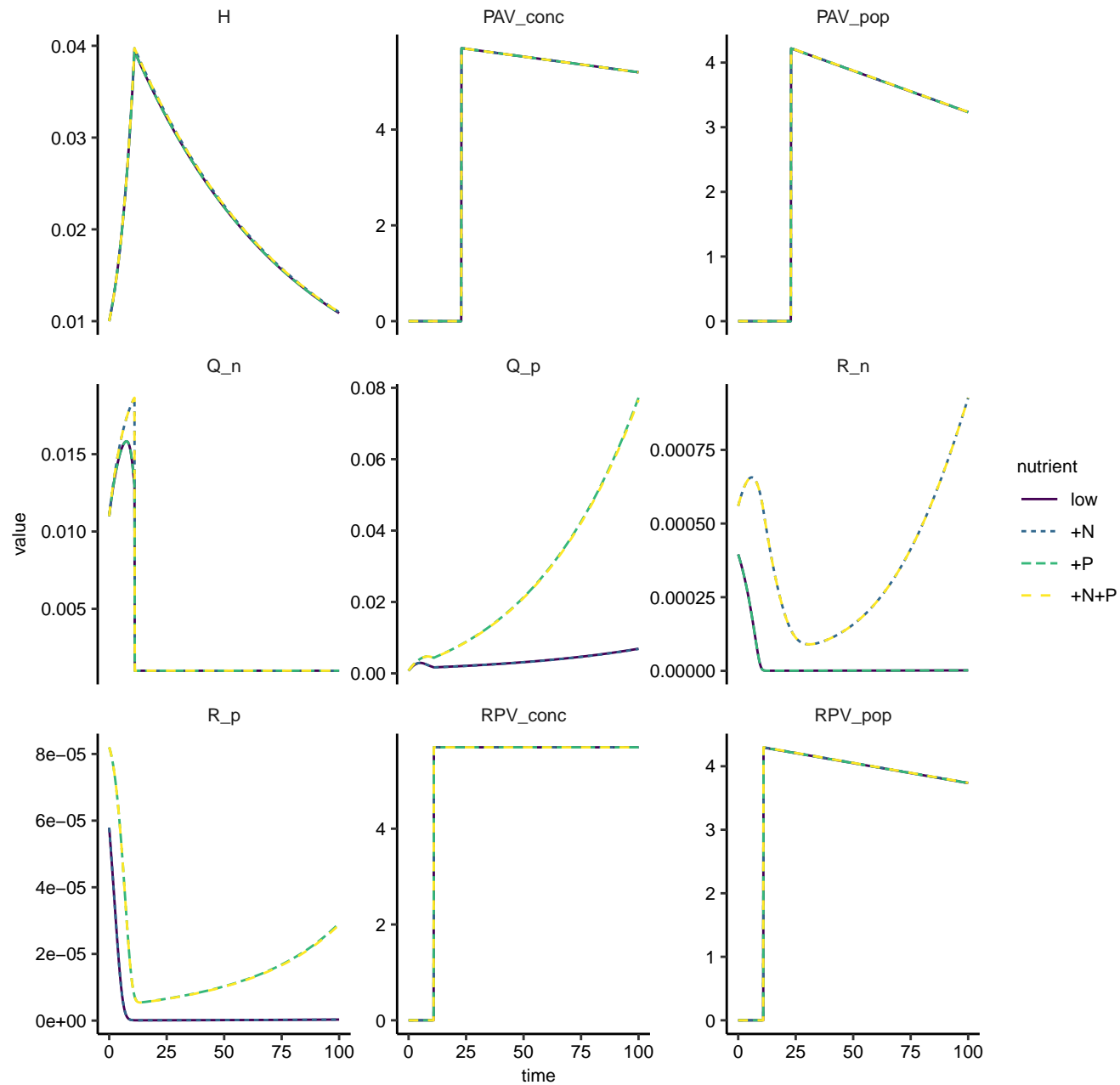
$q_{nc} = 0.001$; $z_{nc} = 1e-06$



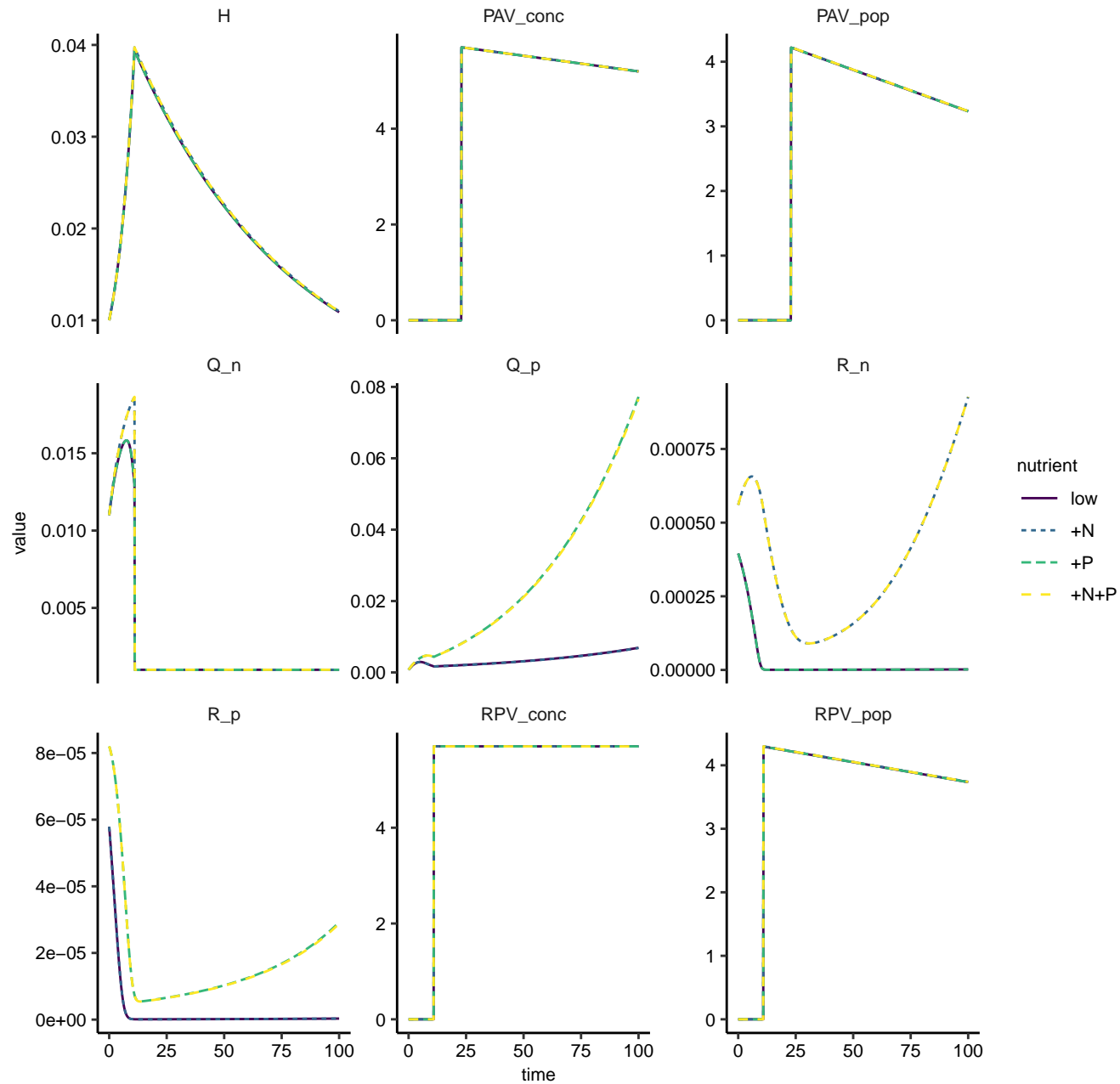
$q_{nc} = 0.001$; $z_{nc} = 1e-04$



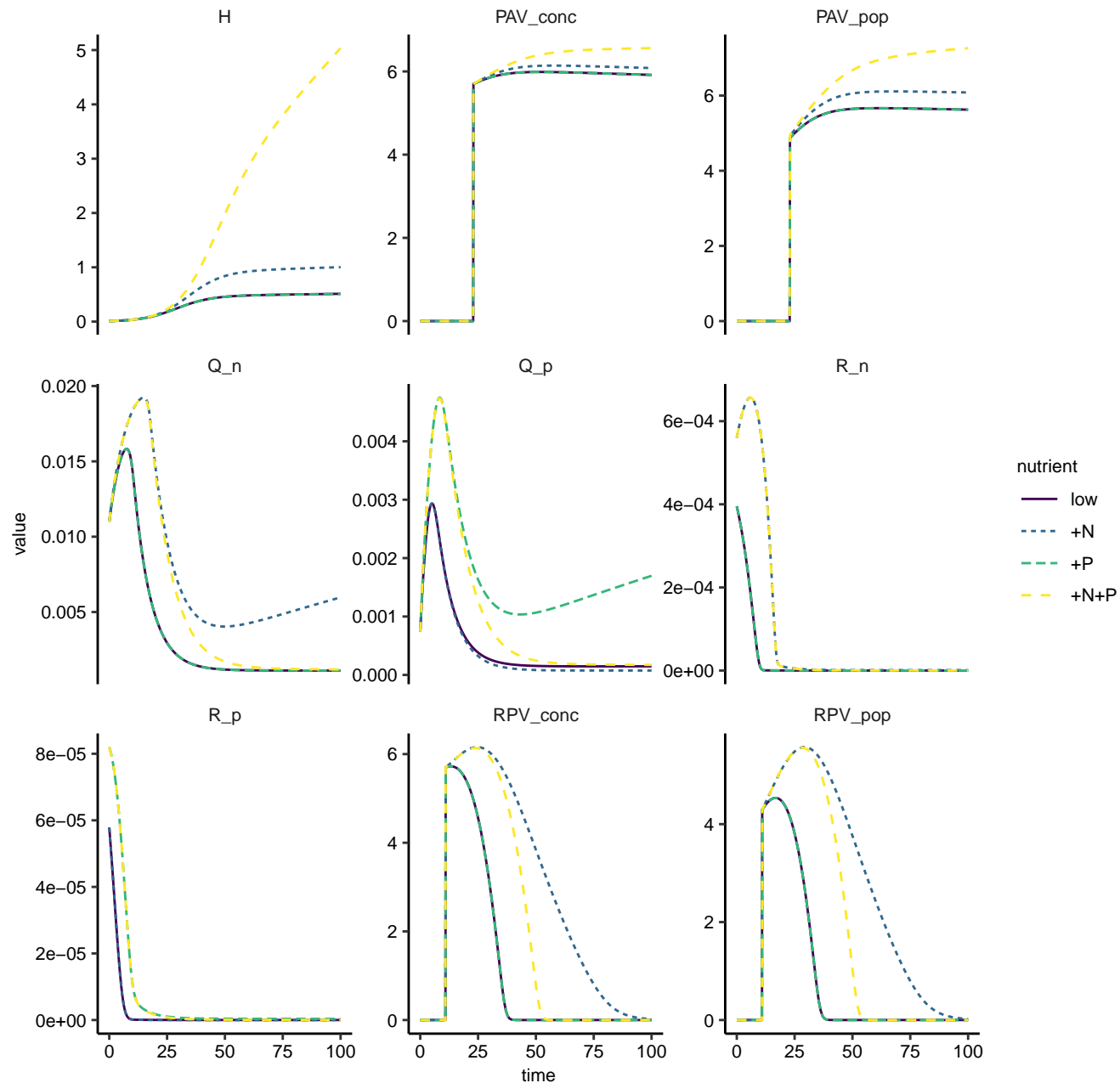
$q_{nc} = 0.001$; $z_{nc} = 0.01$



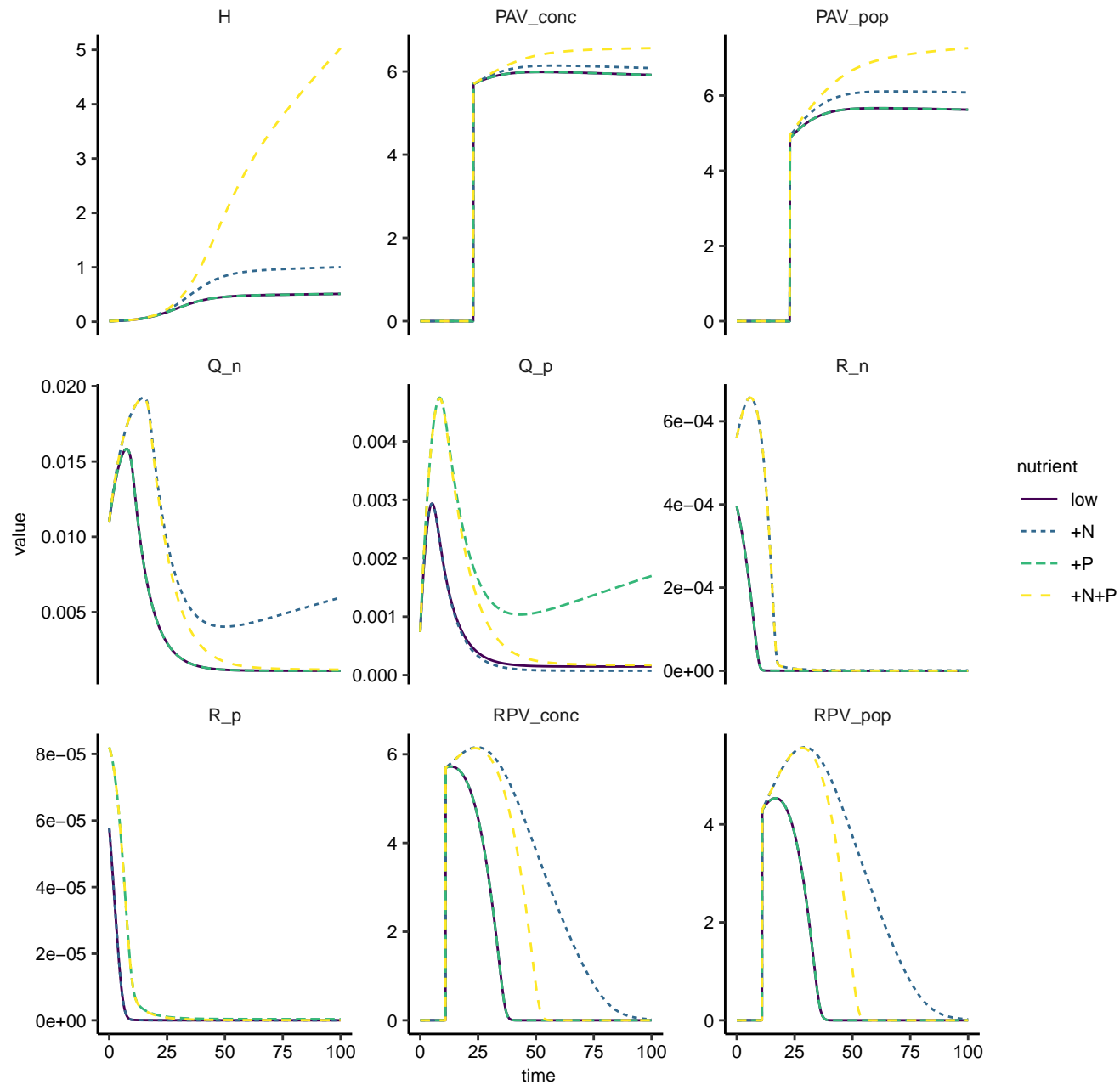
$q_{nc} = 0.001$; $z_{nc} = 1$



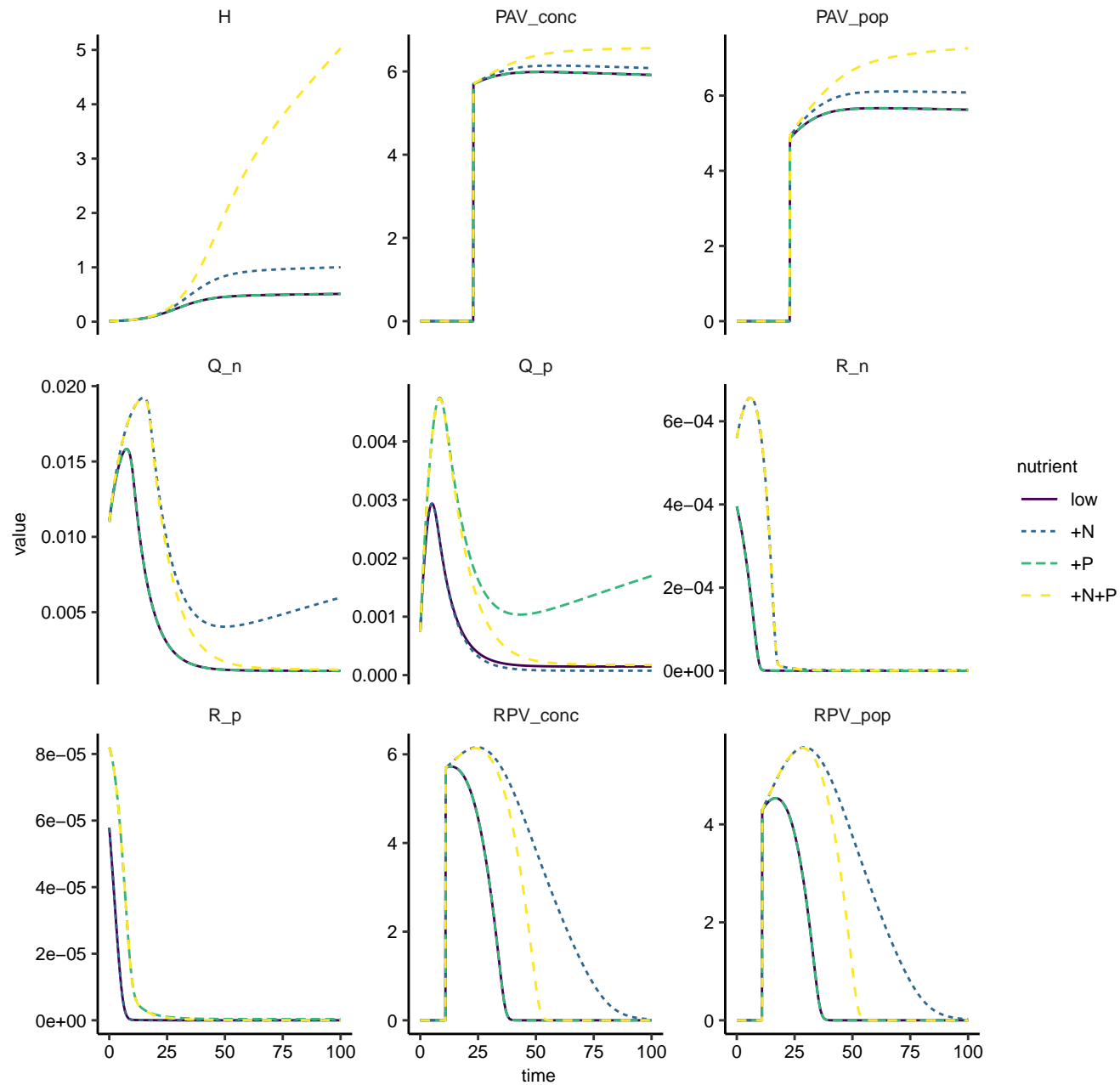
$q_{nc} = 0.01$; $z_{nc} = 1e-18$



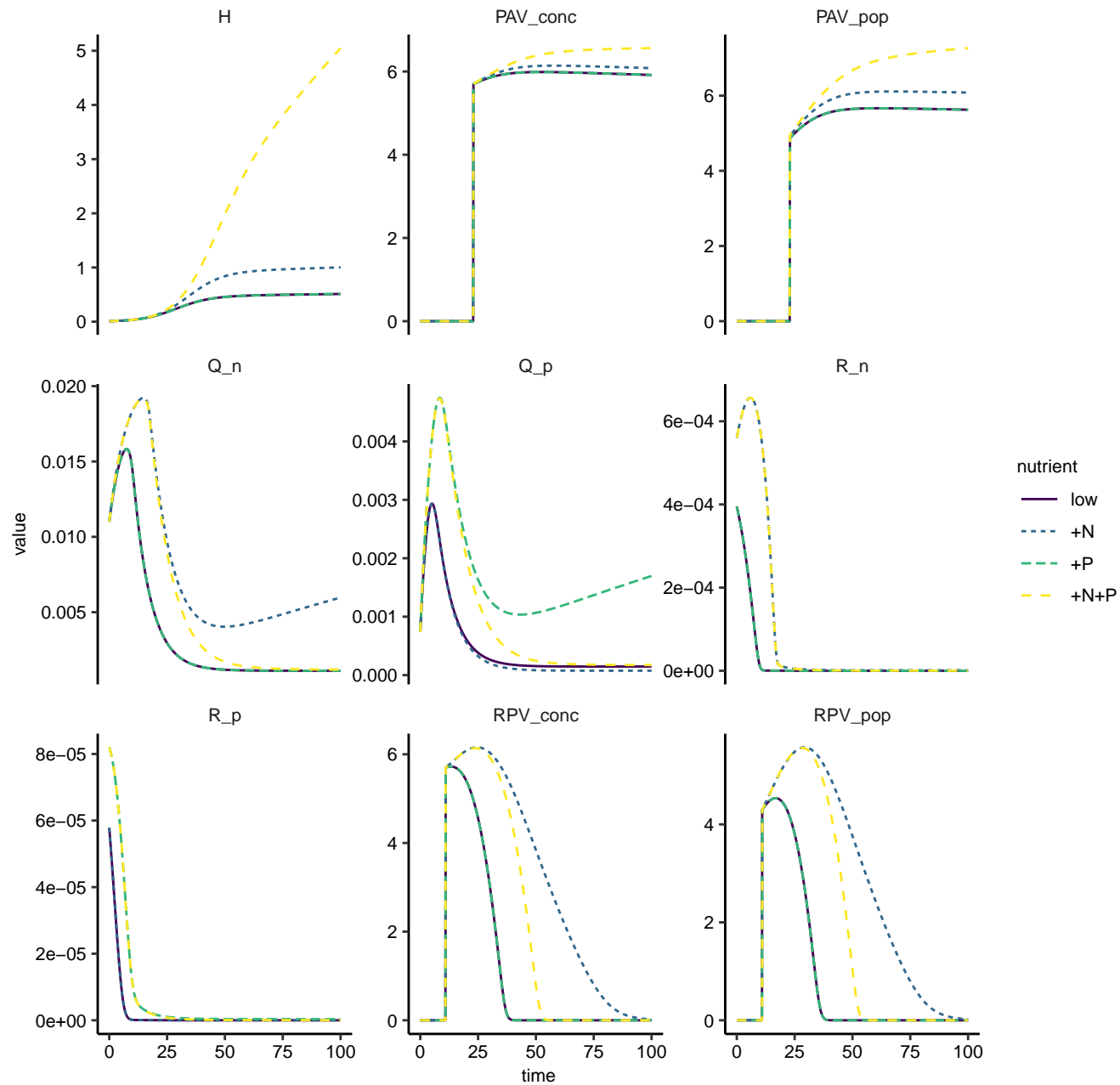
$q_{nc} = 0.01$; $z_{nc} = 1e-16$



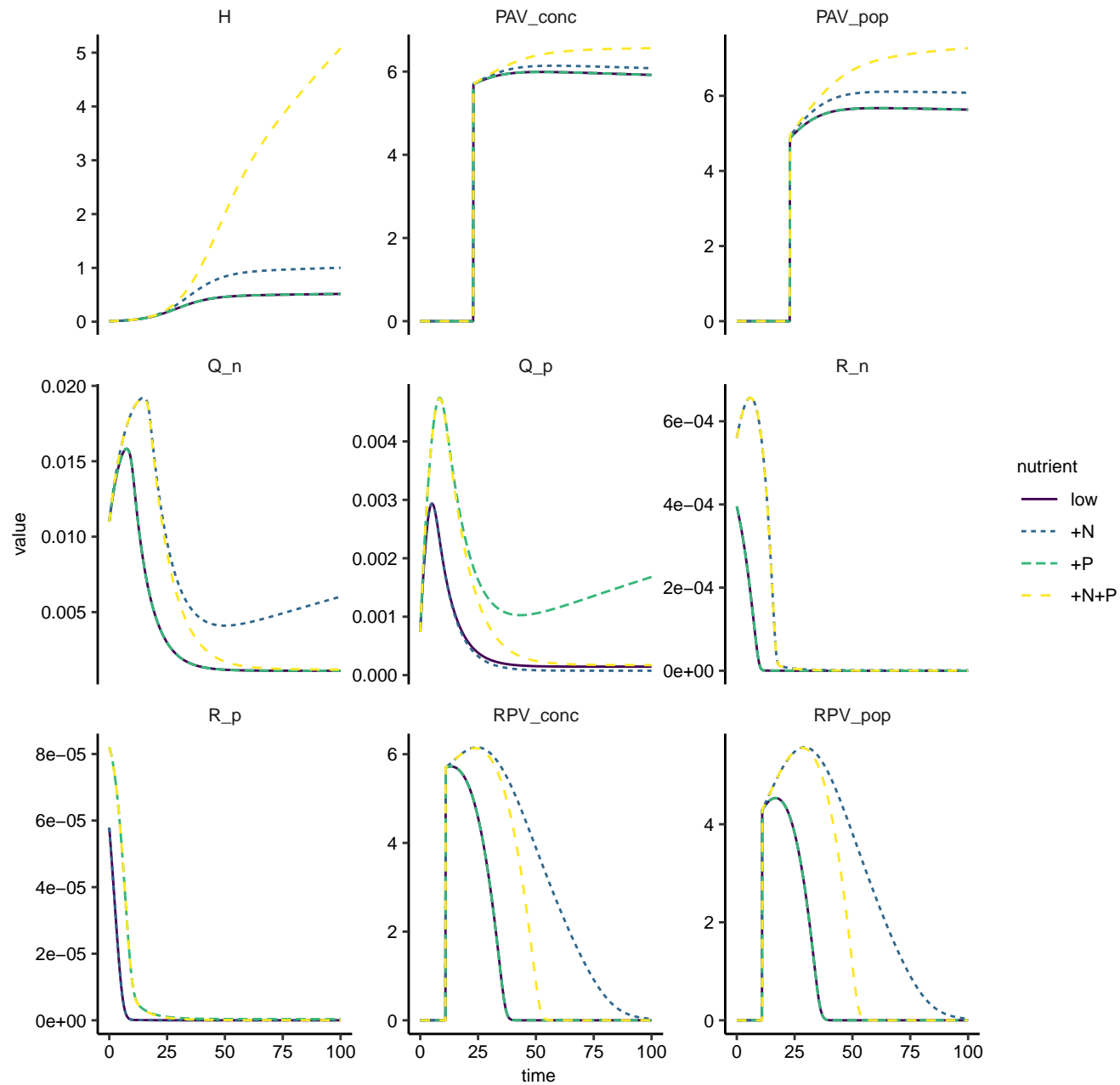
$q_{nc} = 0.01$; $z_{nc} = 1e-14$



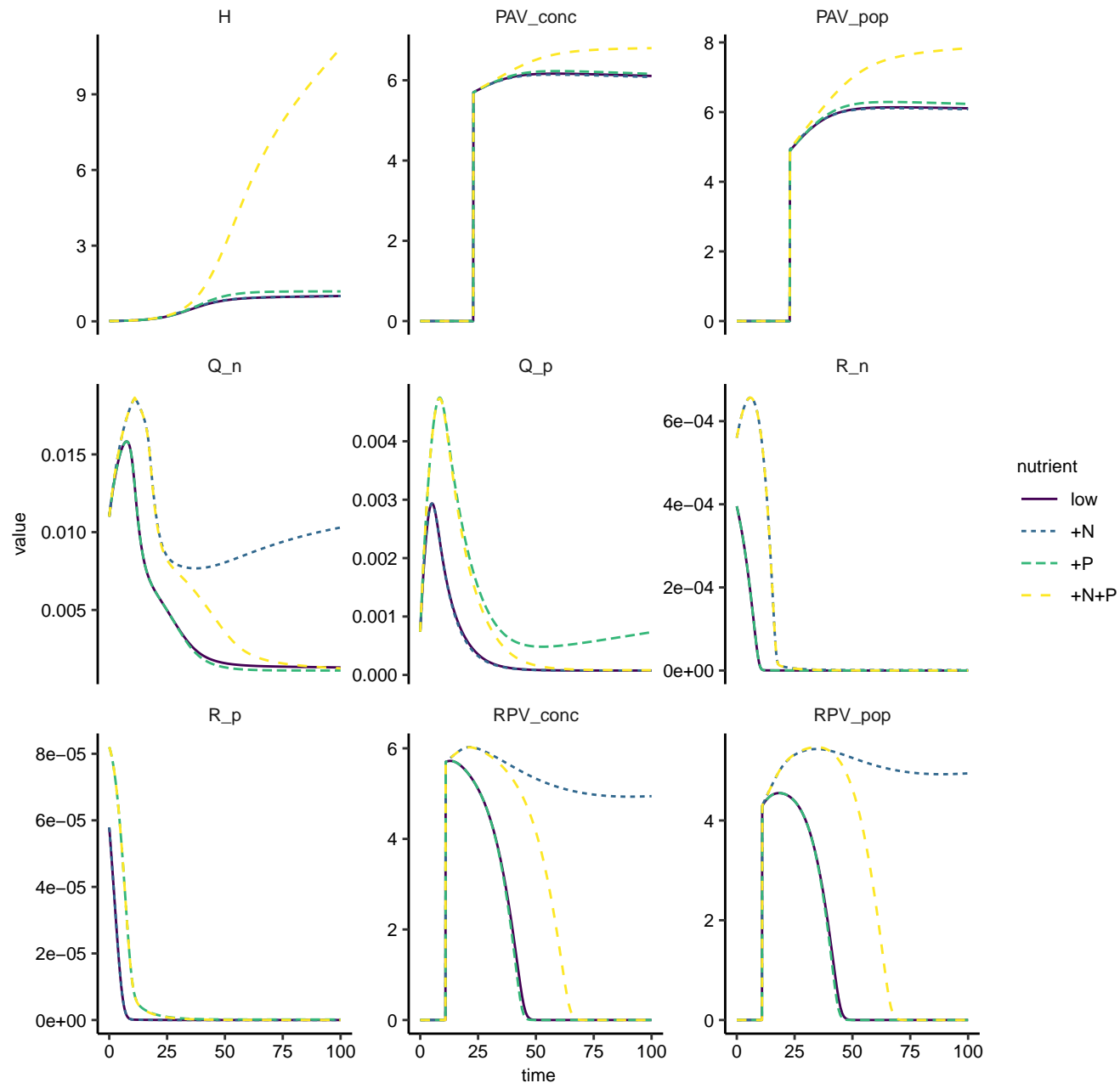
$q_{nc} = 0.01$; $z_{nc} = 1e-12$



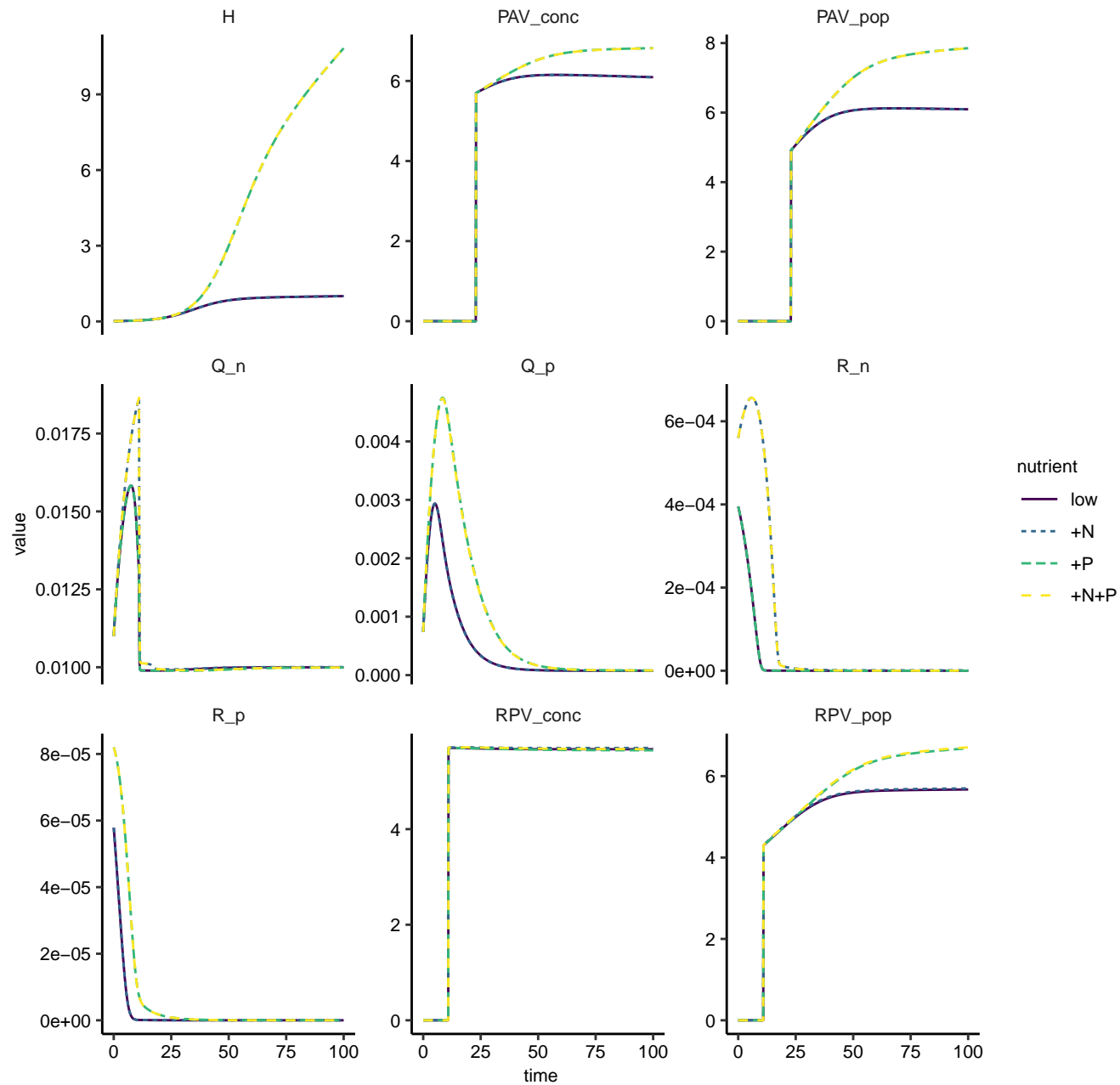
$q_{nc} = 0.01$; $z_{nc} = 1e-10$



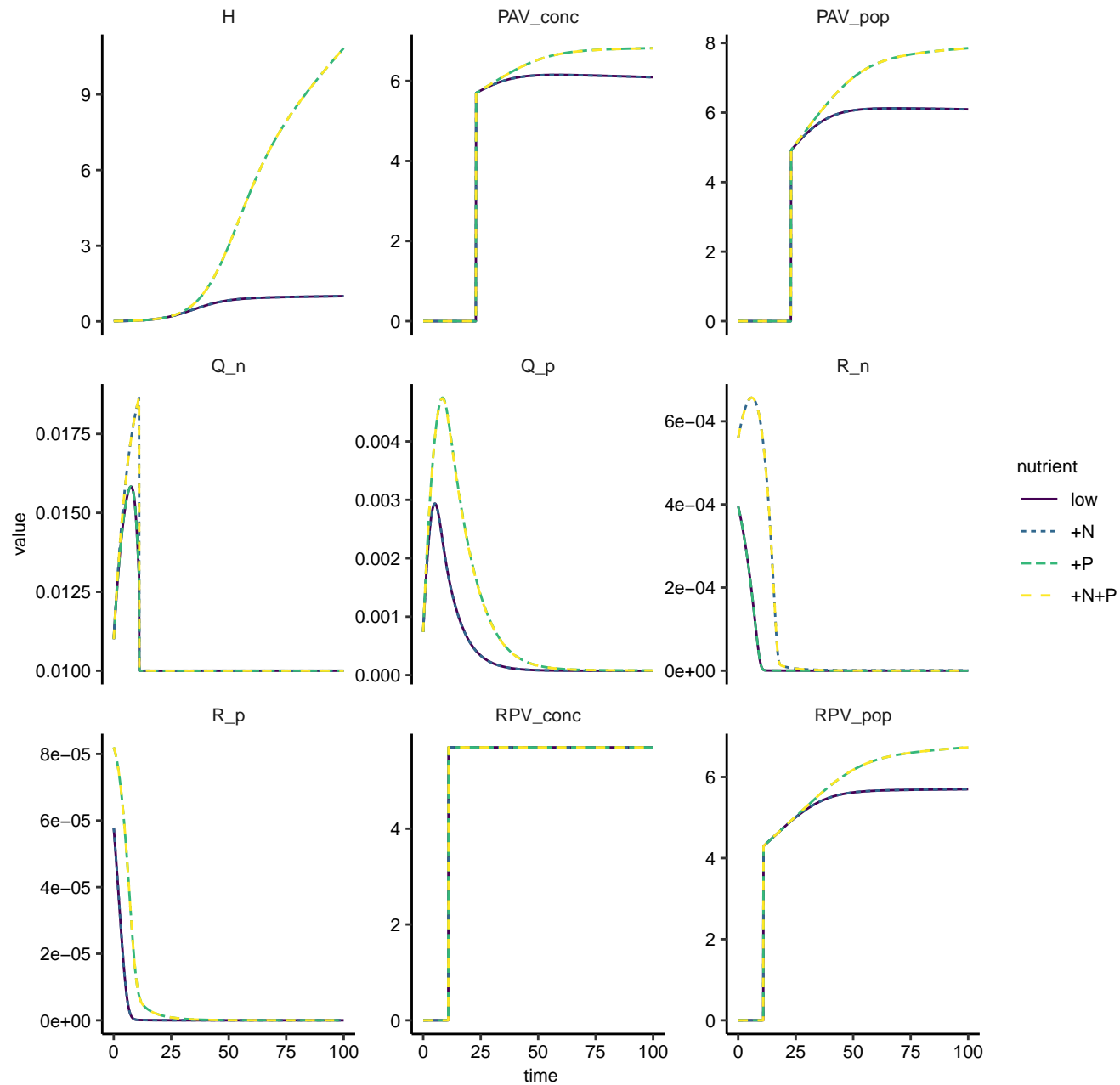
$q_{nc} = 0.01$; $z_{nc} = 1e-08$



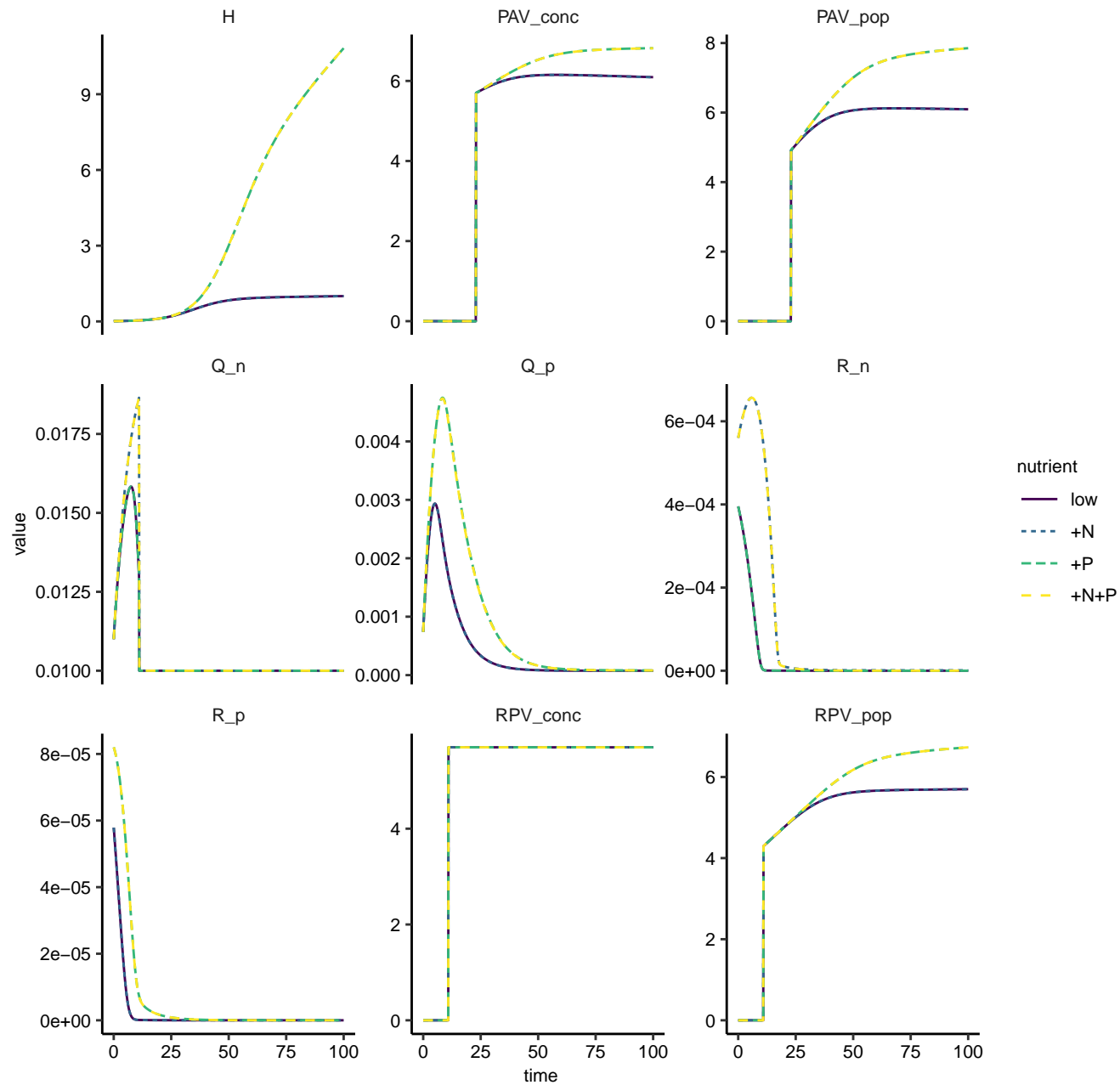
$q_{nc} = 0.01$; $z_{nc} = 1e-06$



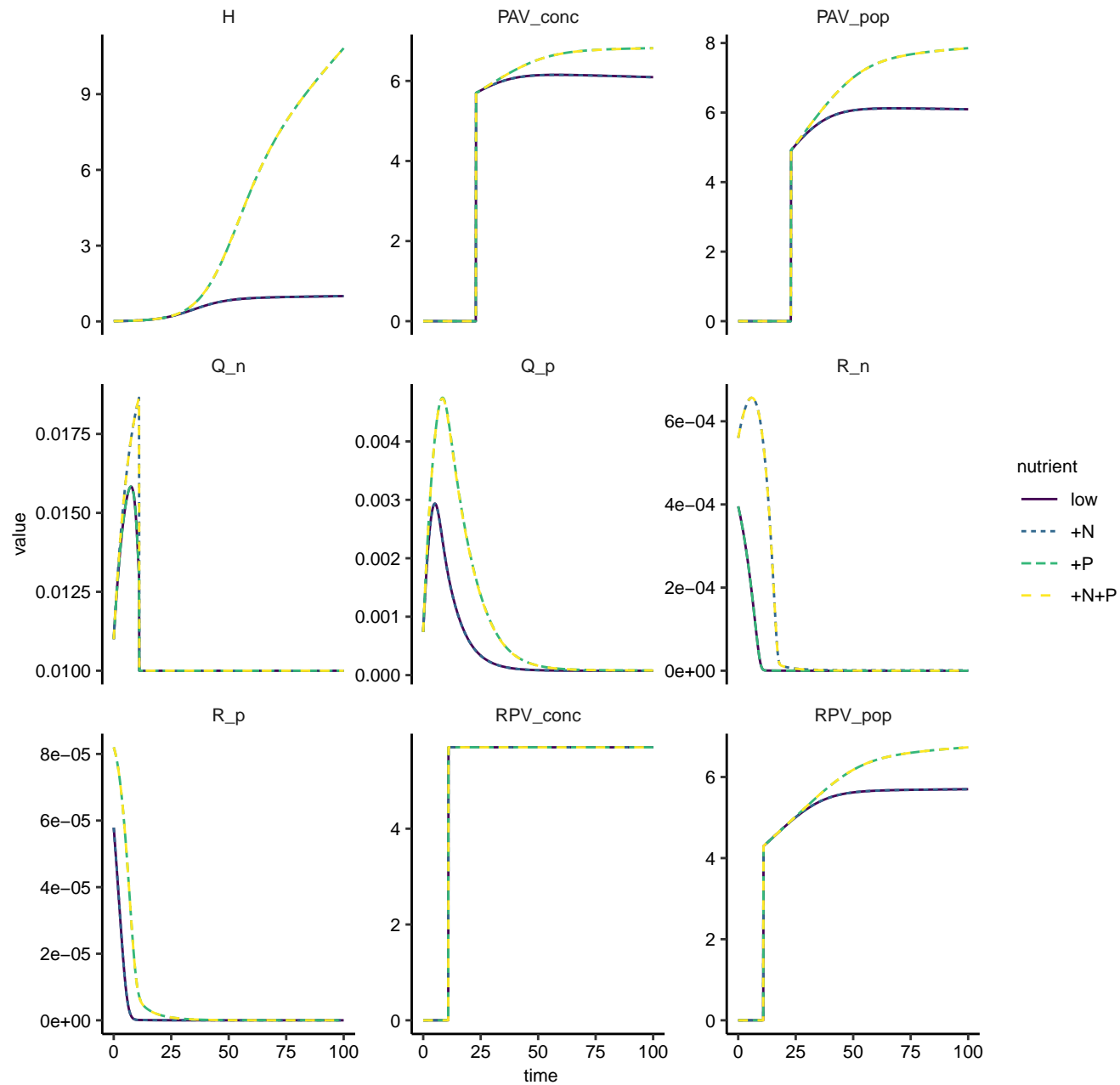
$q_{nc} = 0.01$; $z_{nc} = 1e-04$



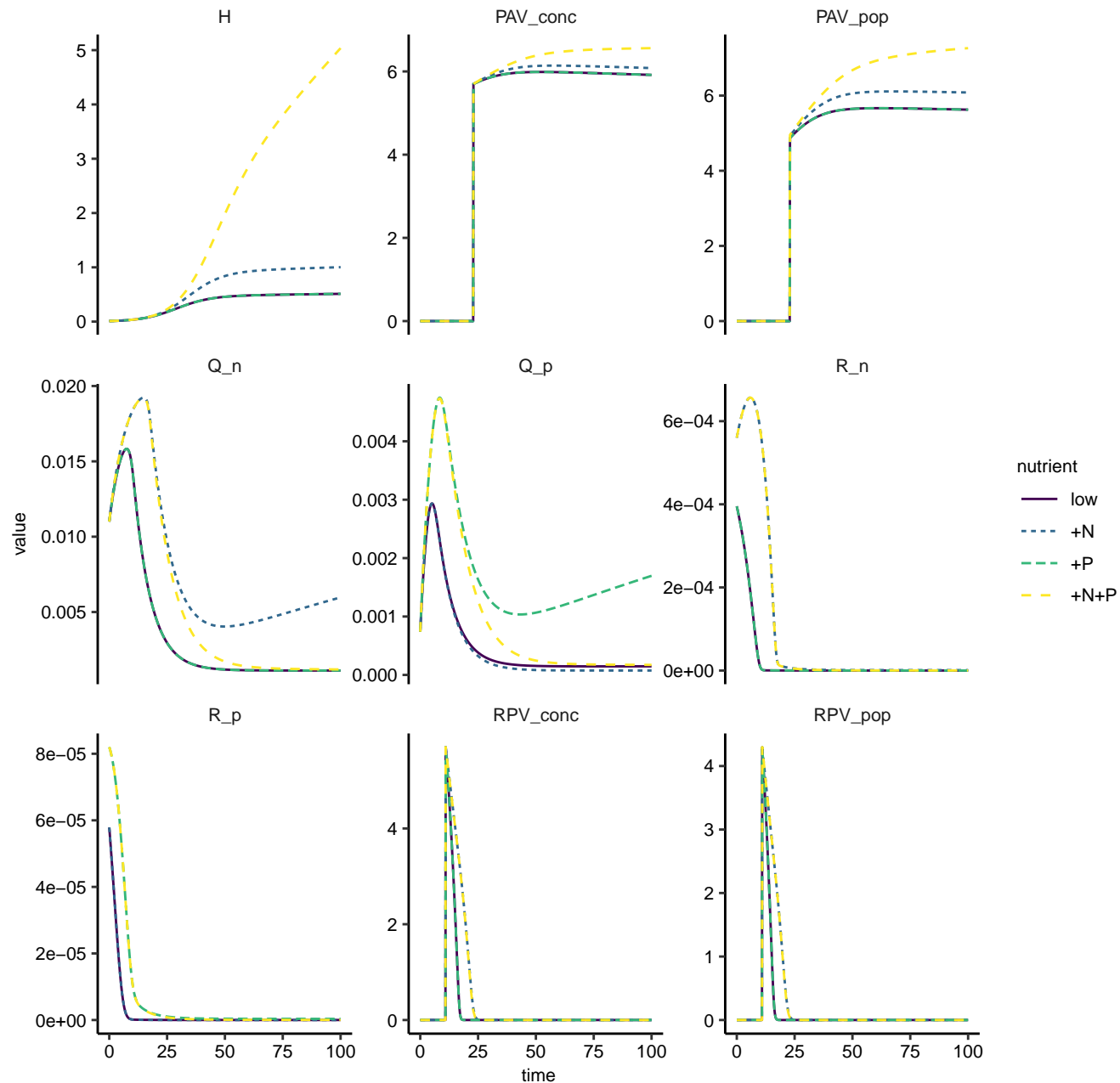
$q_{nc} = 0.01$; $z_{nc} = 0.01$



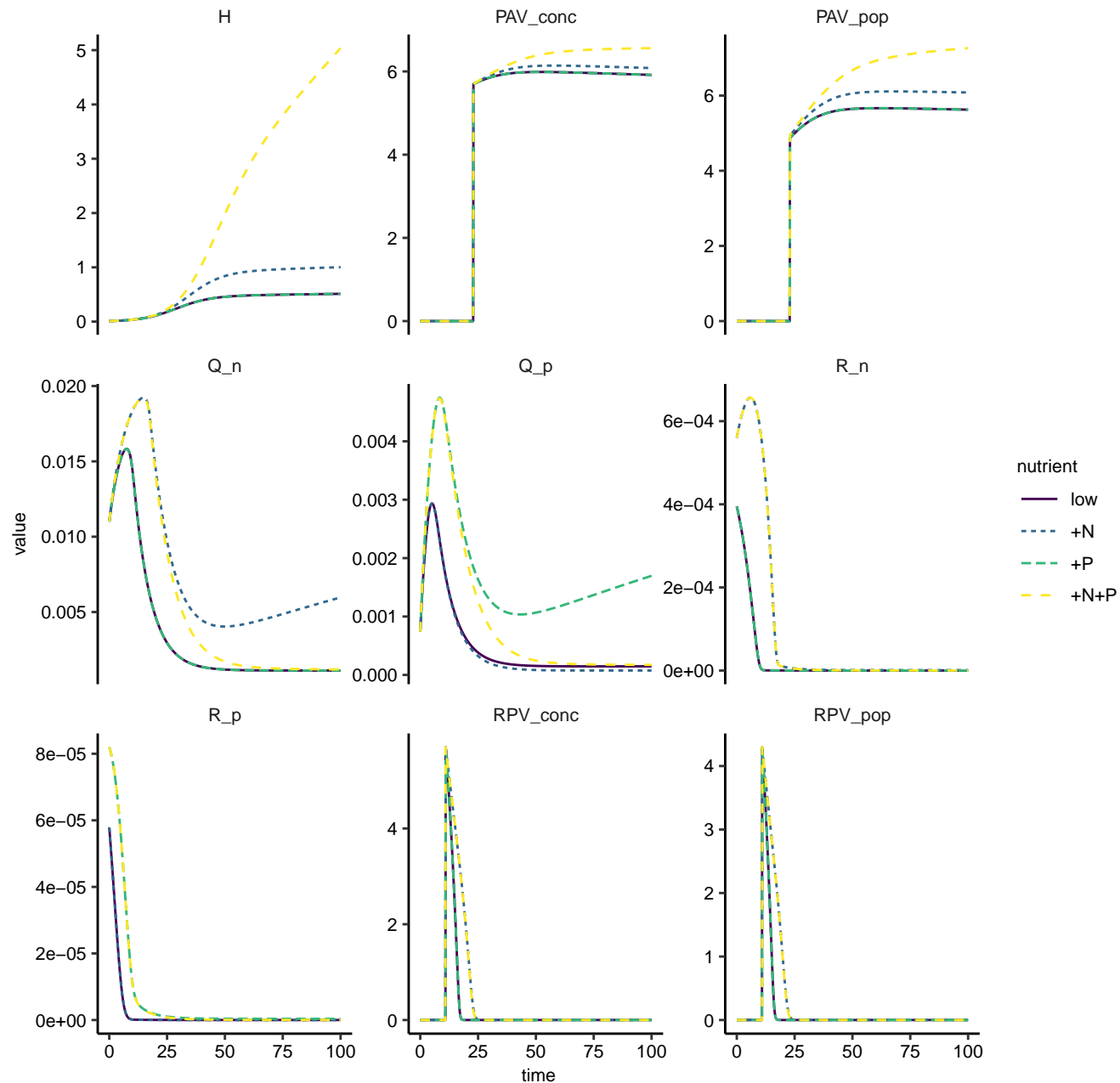
q_nc = 0.01; z_nc = 1



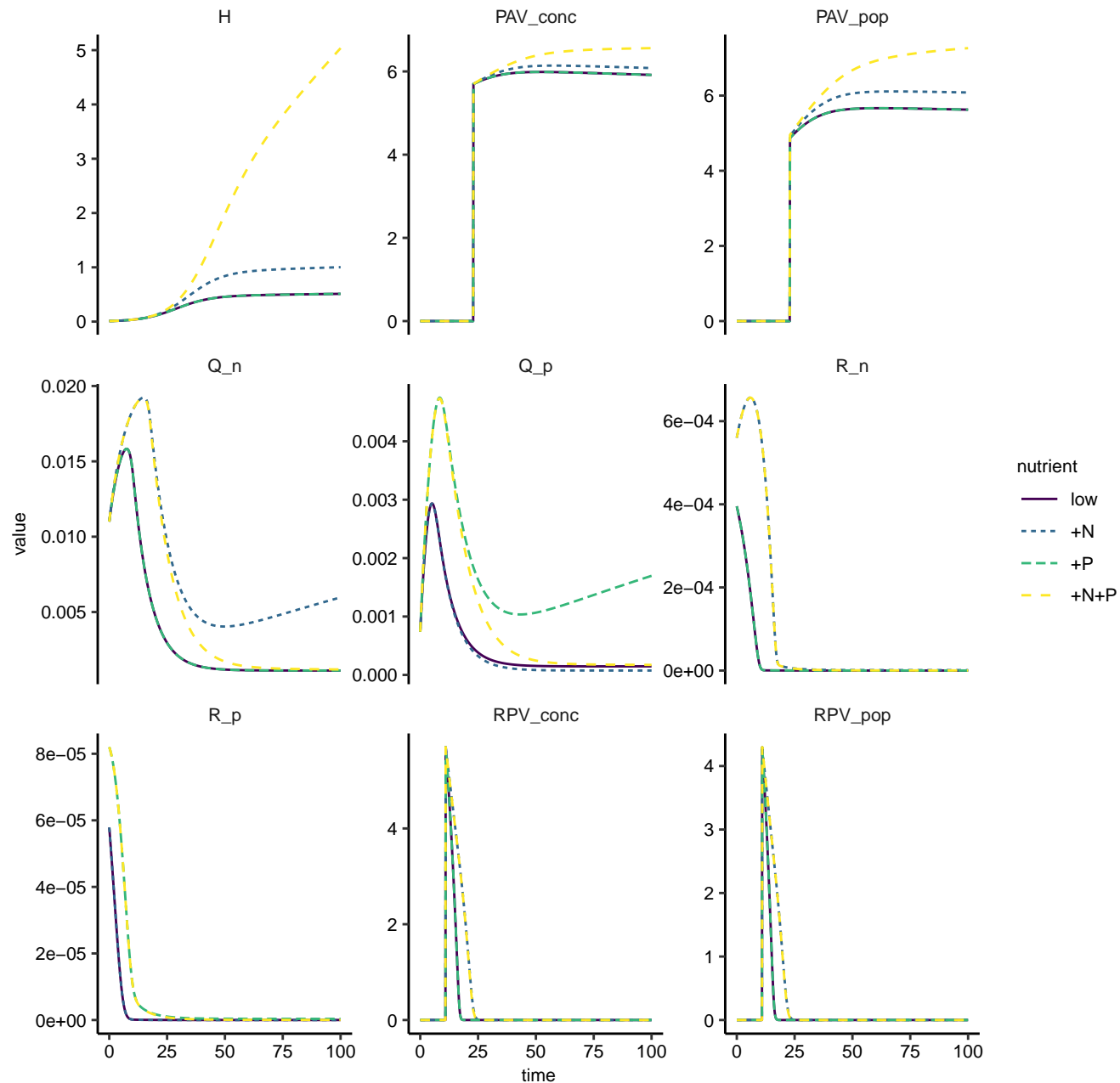
$q_{nc} = 0.1$; $z_{nc} = 1e-18$



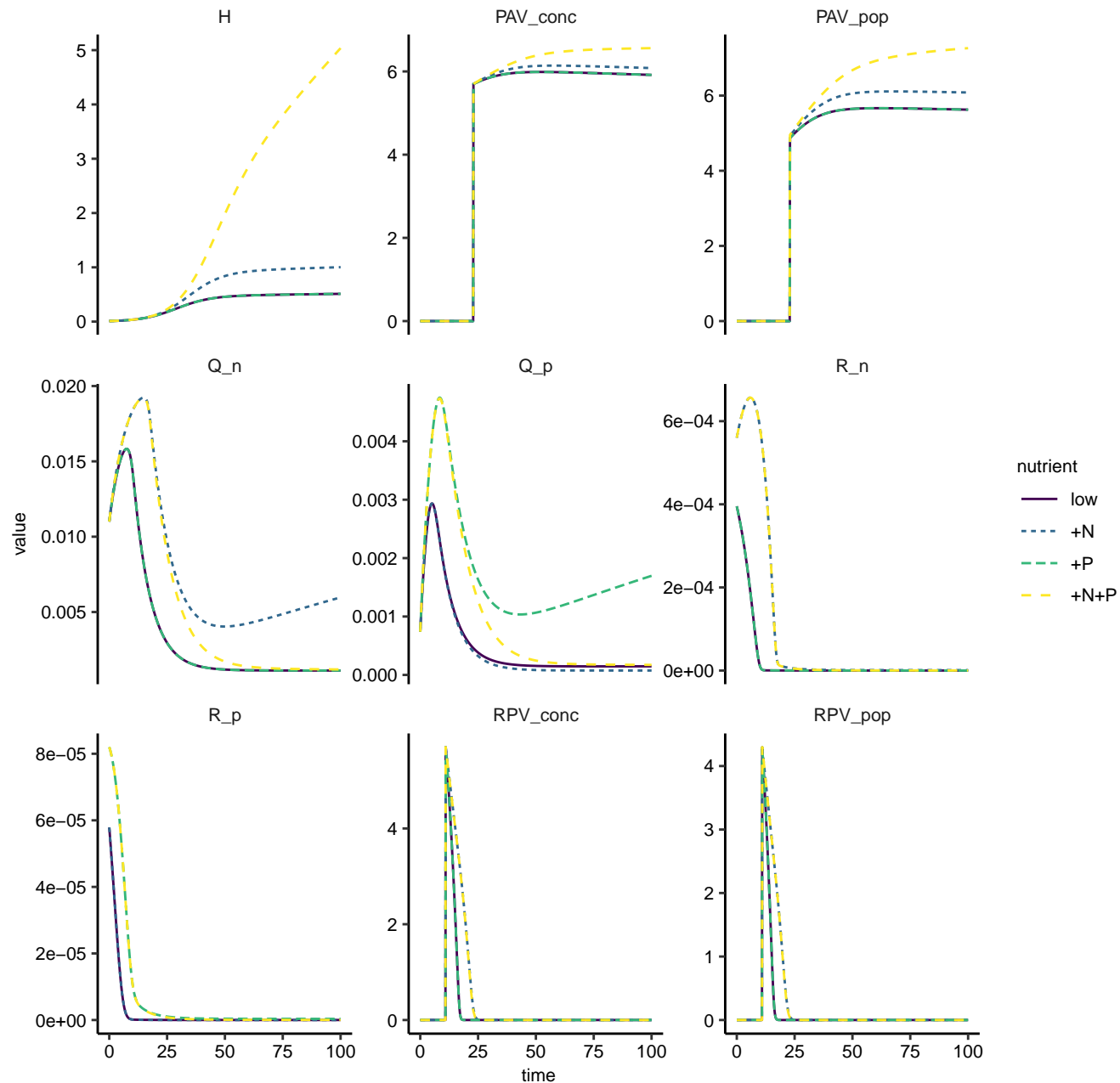
$q_{nc} = 0.1$; $z_{nc} = 1e-16$



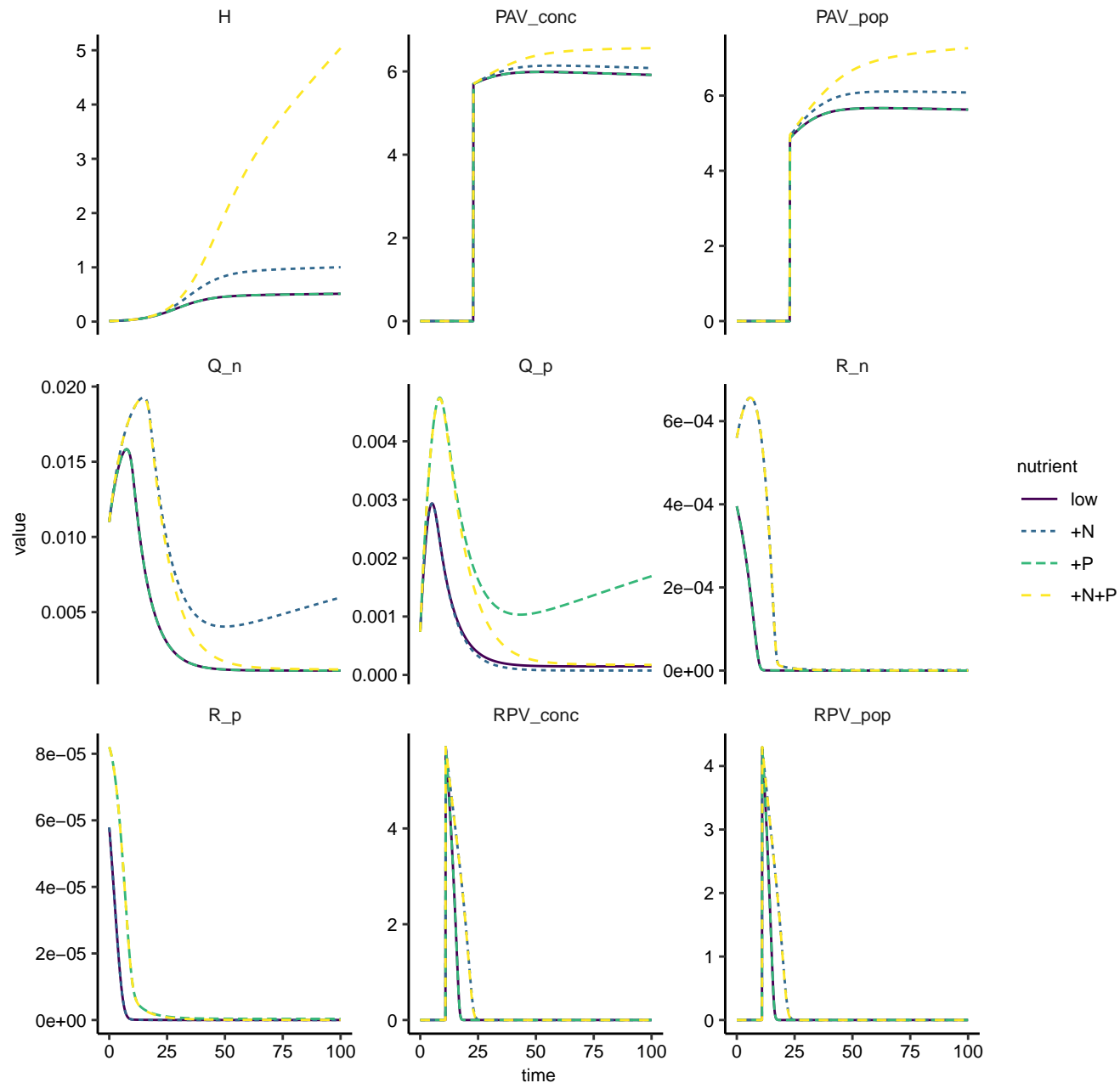
$q_{nc} = 0.1$; $z_{nc} = 1e-14$



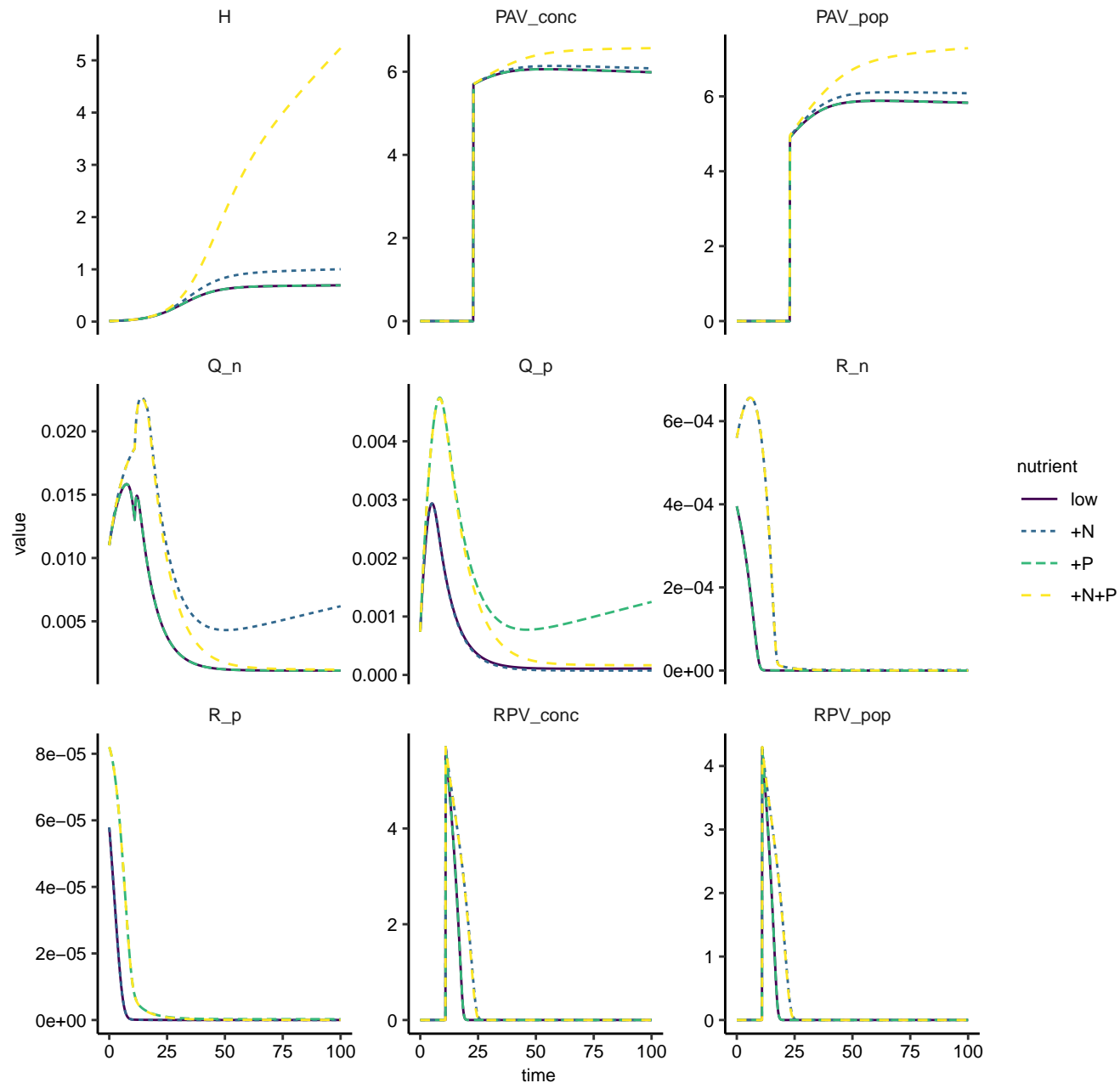
$q_{nc} = 0.1$; $z_{nc} = 1e-12$



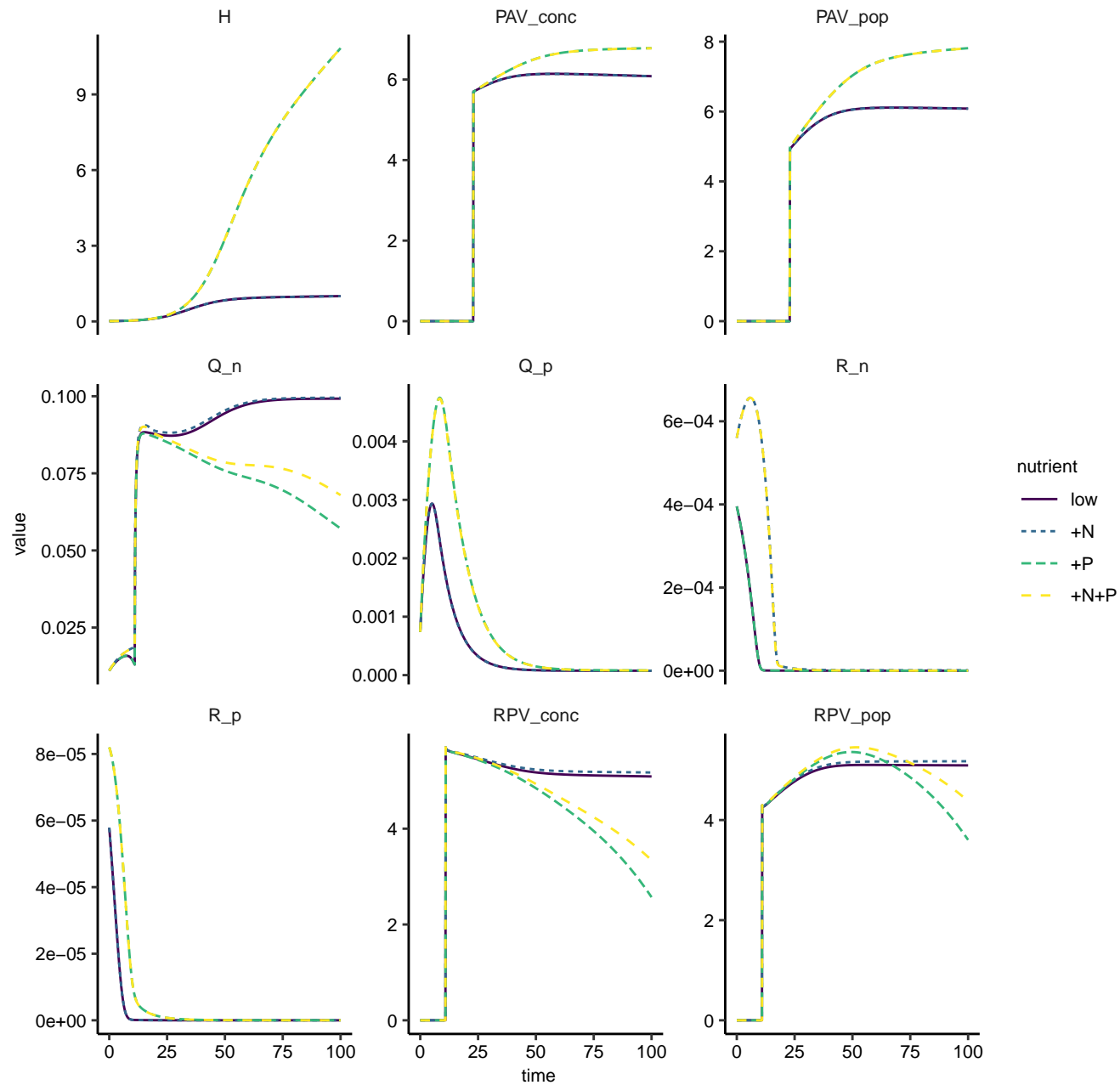
$q_{nc} = 0.1$; $z_{nc} = 1e-10$



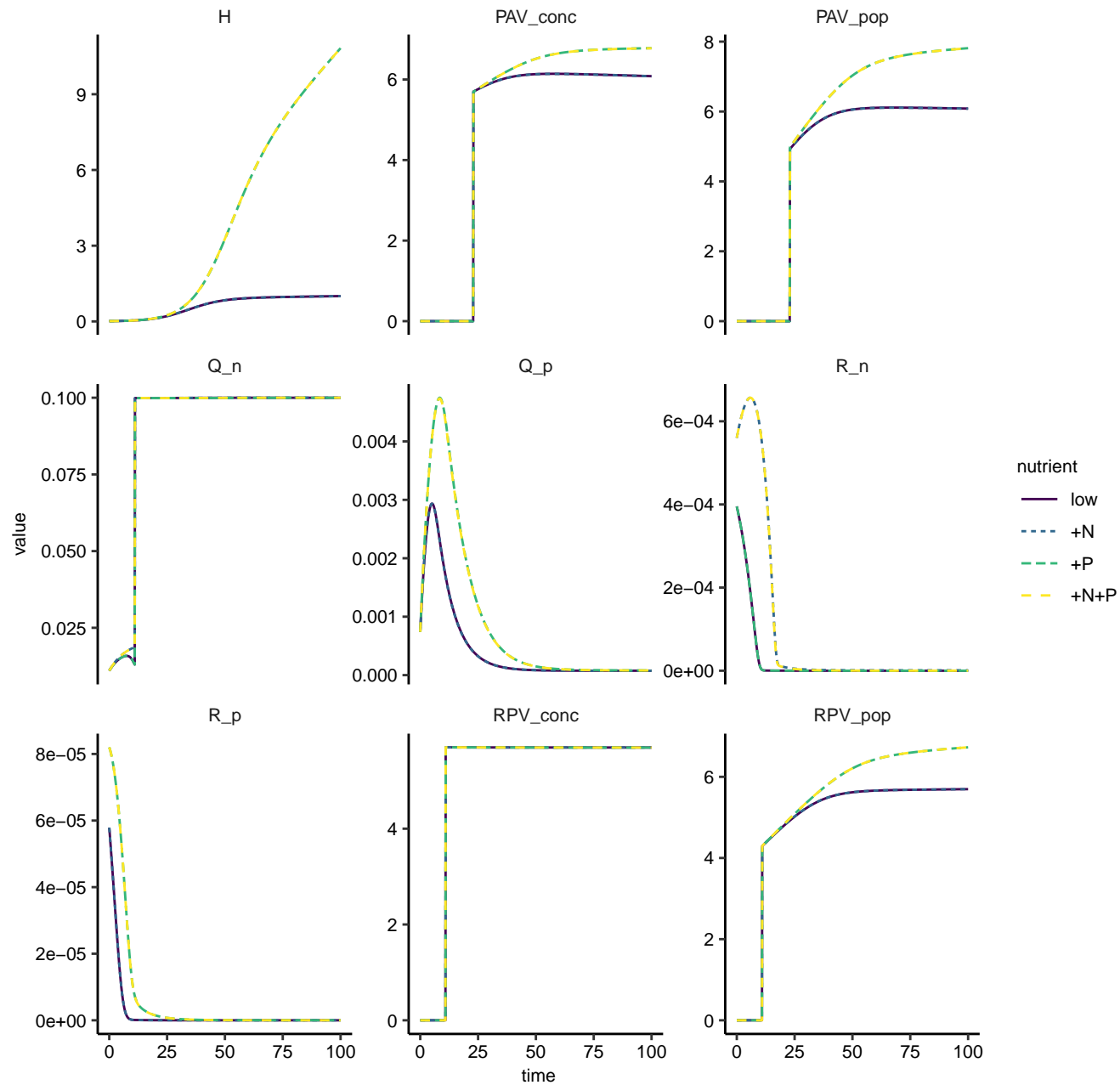
$q_{nc} = 0.1$; $z_{nc} = 1e-08$



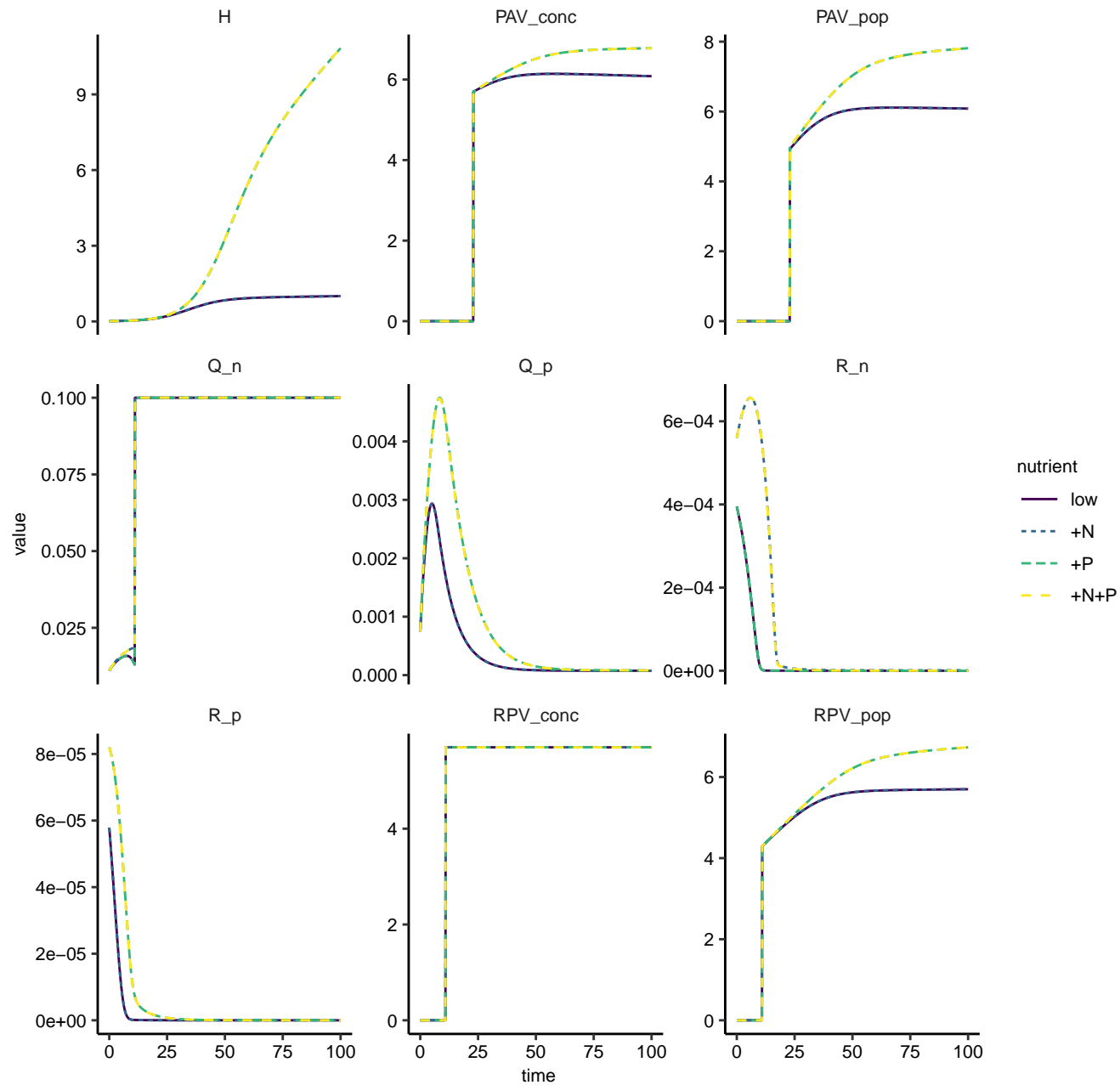
$q_{nc} = 0.1$; $z_{nc} = 1e-06$



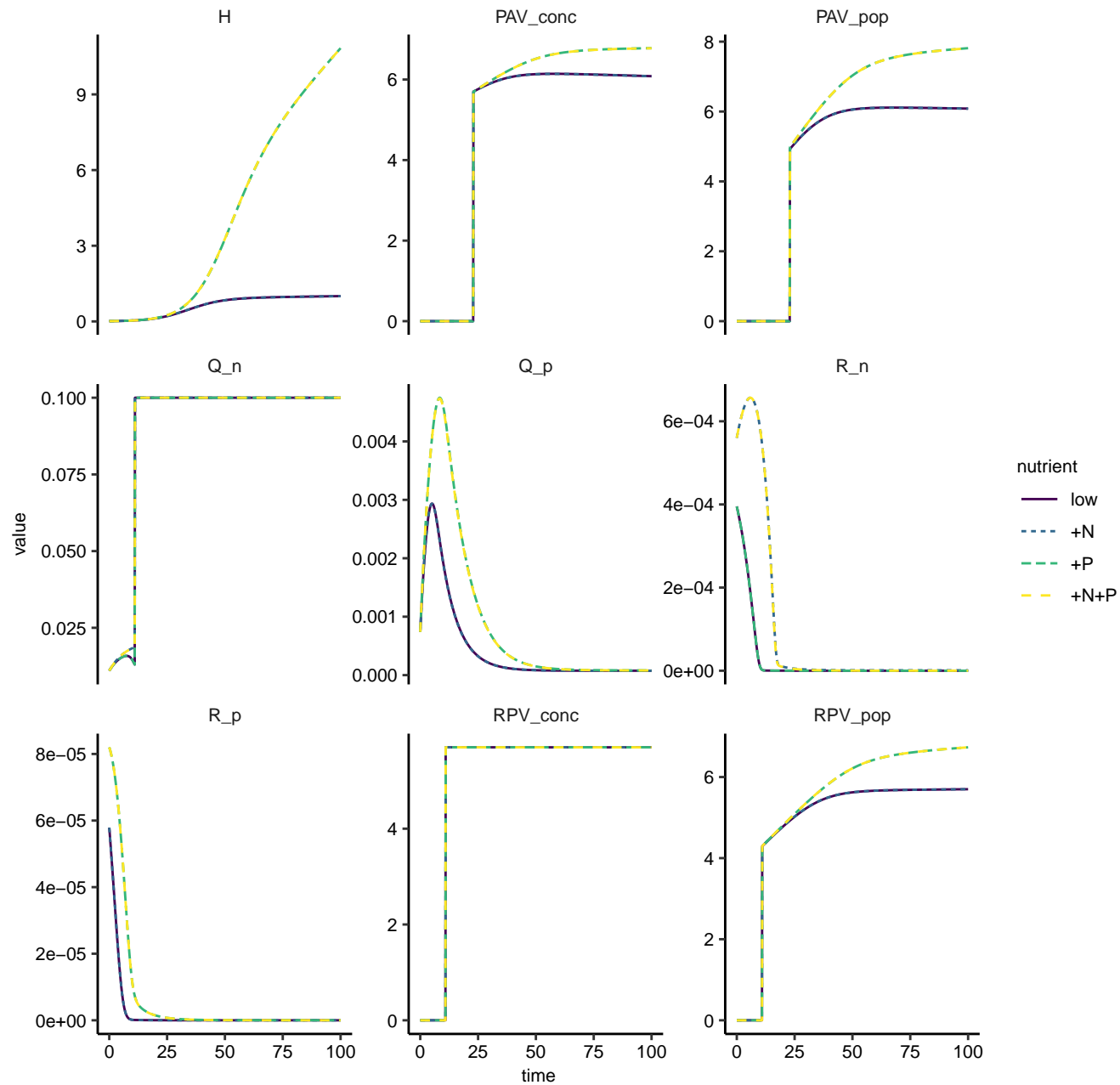
$q_{nc} = 0.1$; $z_{nc} = 1e-04$



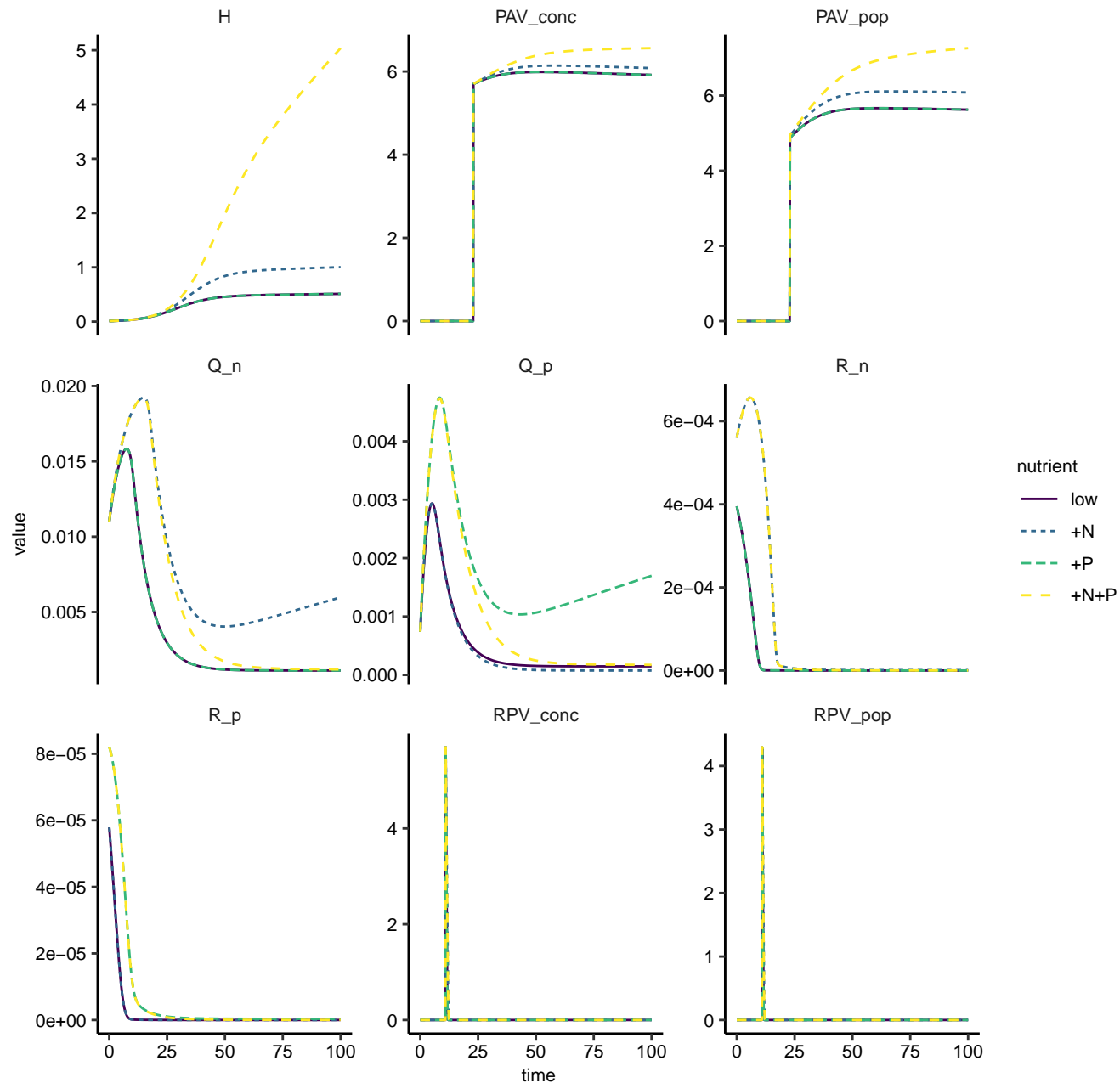
$q_{nc} = 0.1$; $z_{nc} = 0.01$



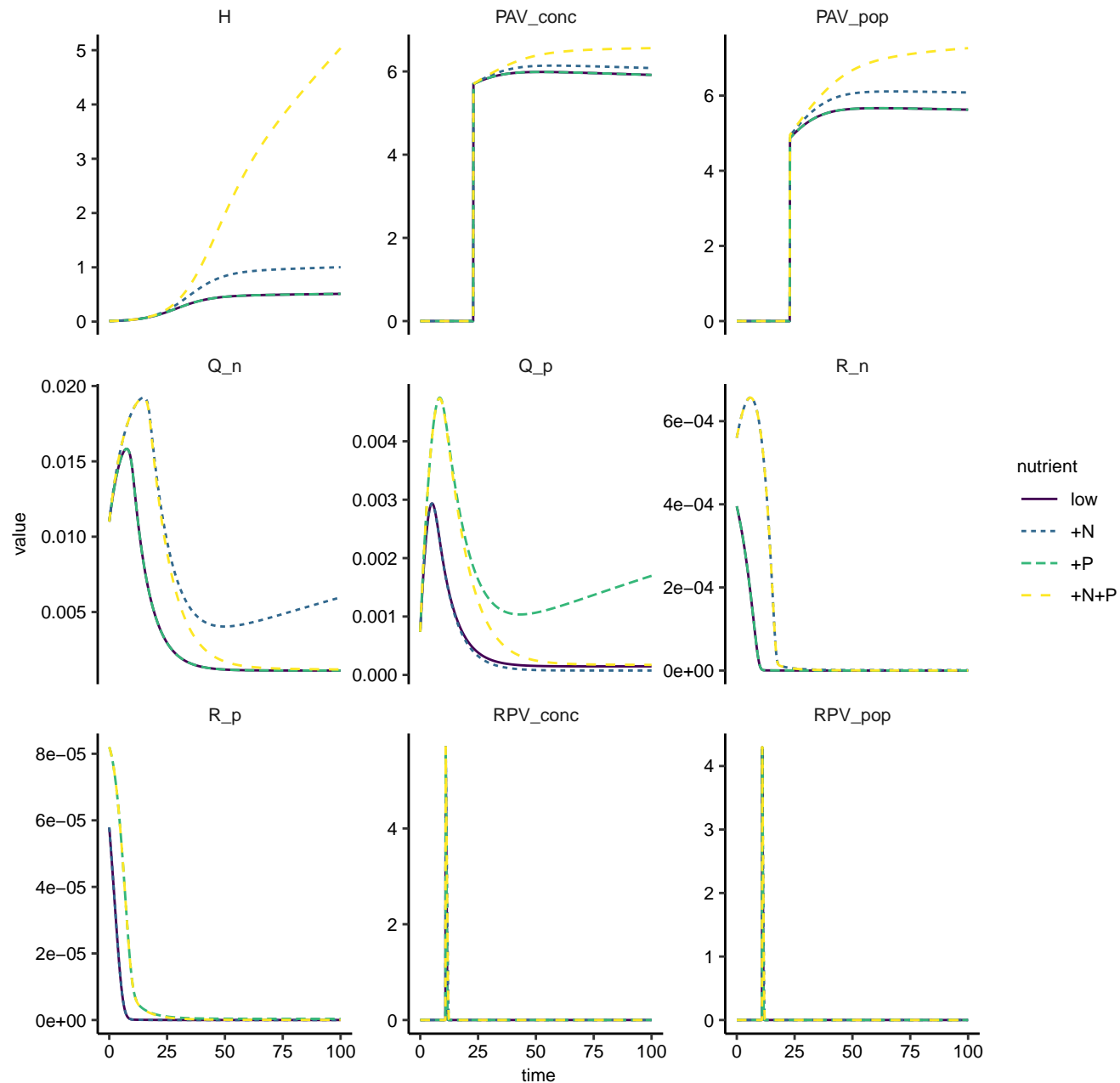
$q_{nc} = 0.1$; $z_{nc} = 1$



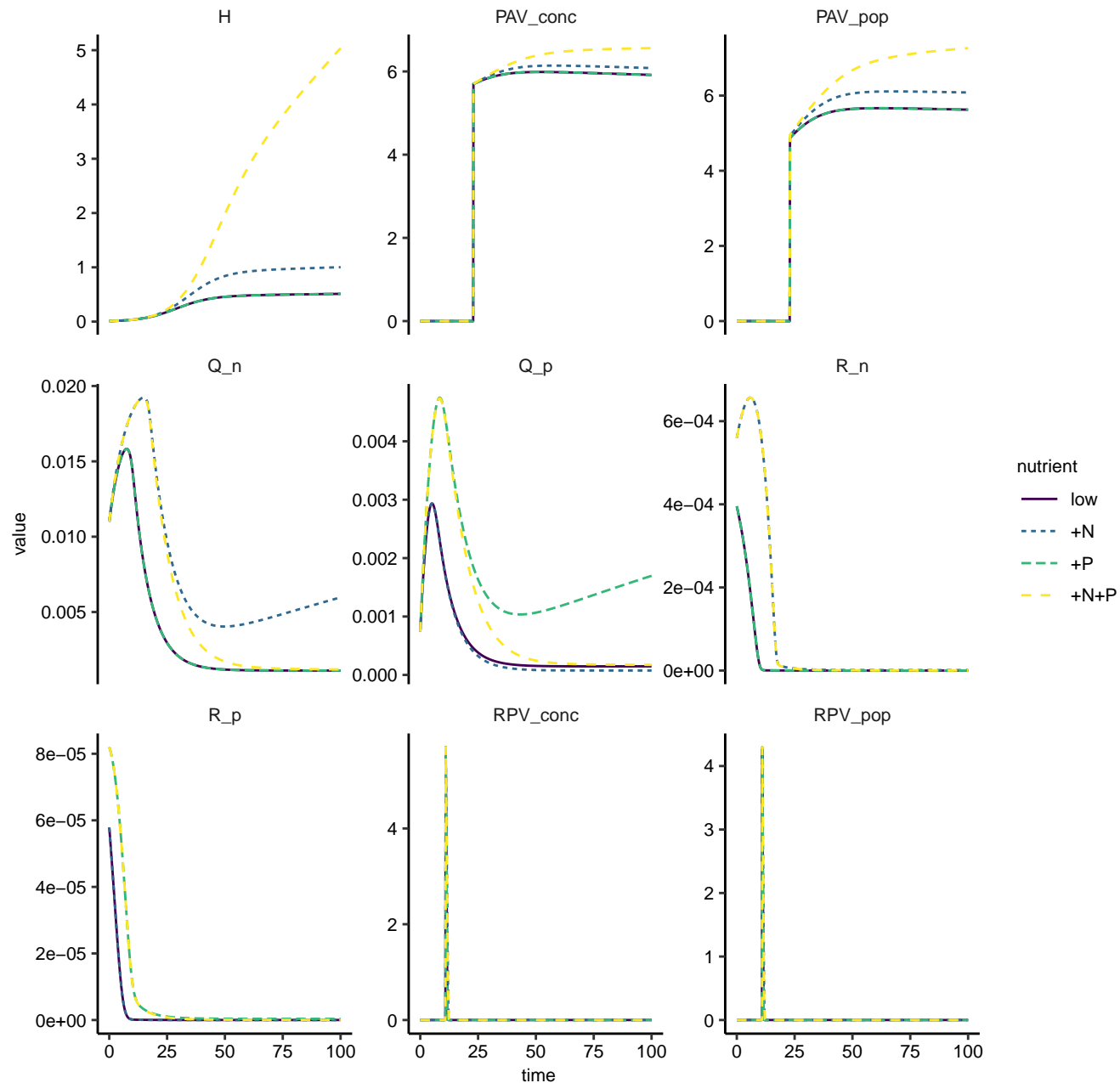
$q_{nc} = 1$; $z_{nc} = 1e-18$



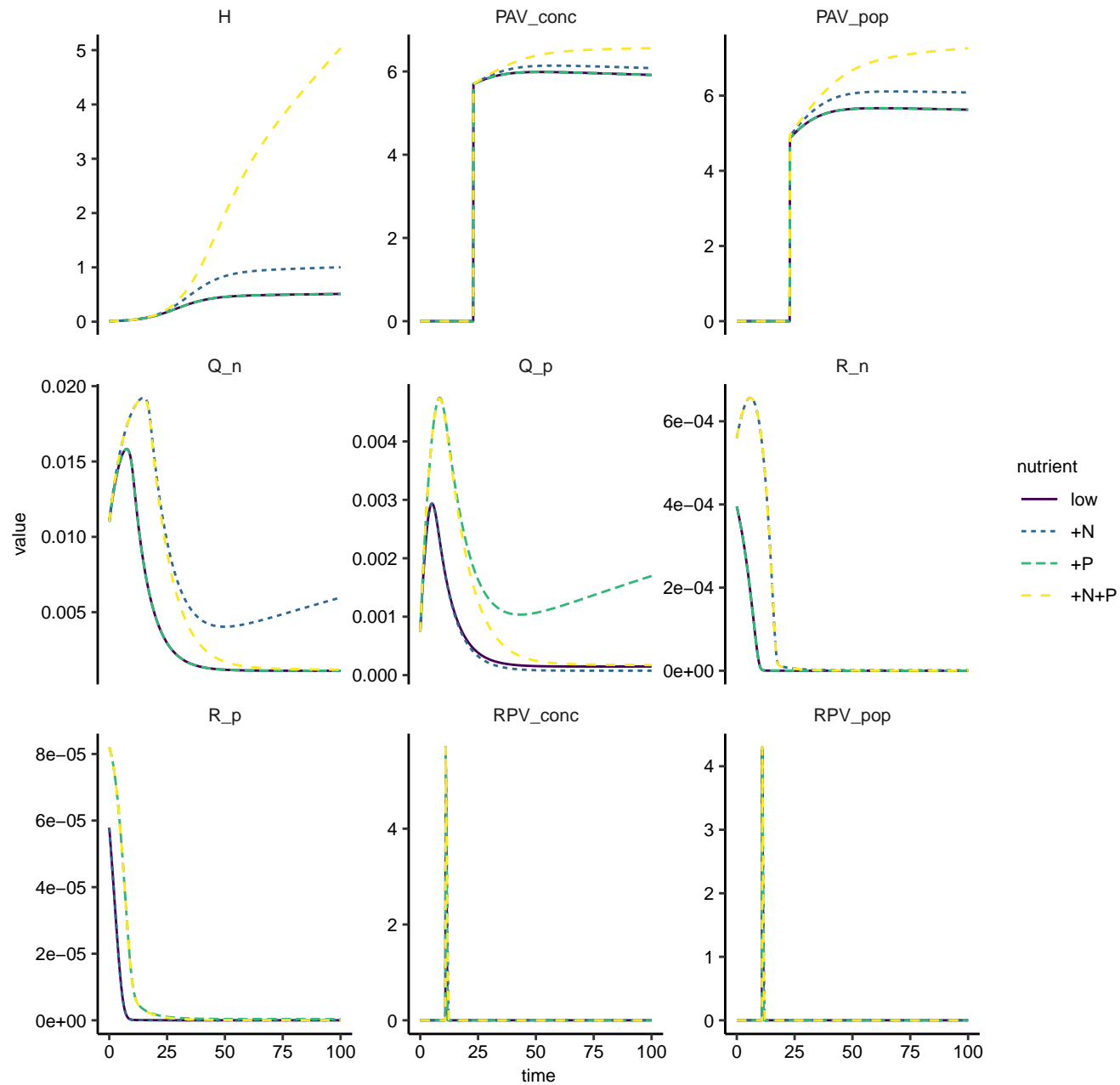
$q_{nc} = 1$; $z_{nc} = 1e-16$



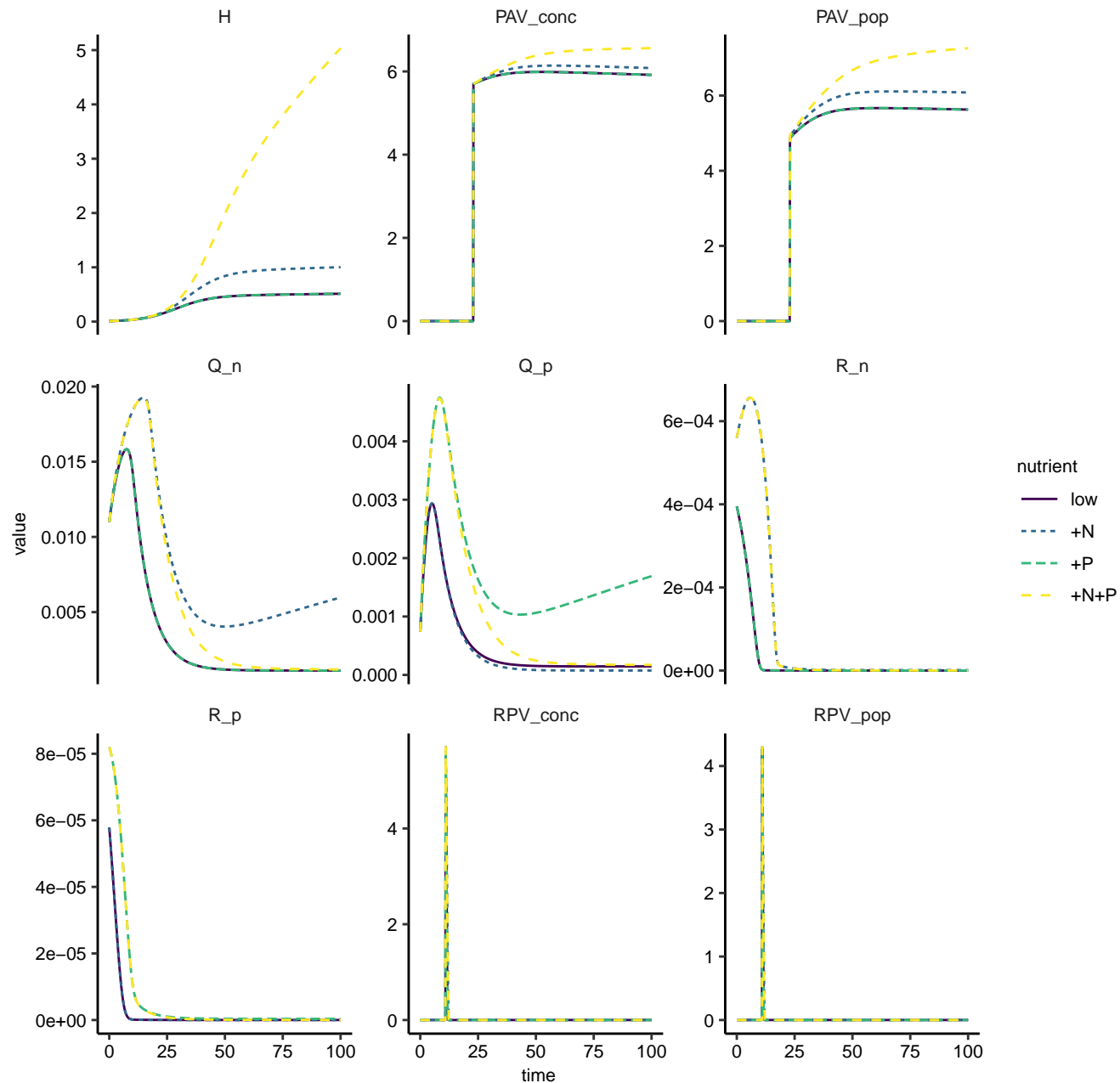
$q_{nc} = 1$; $z_{nc} = 1e-14$



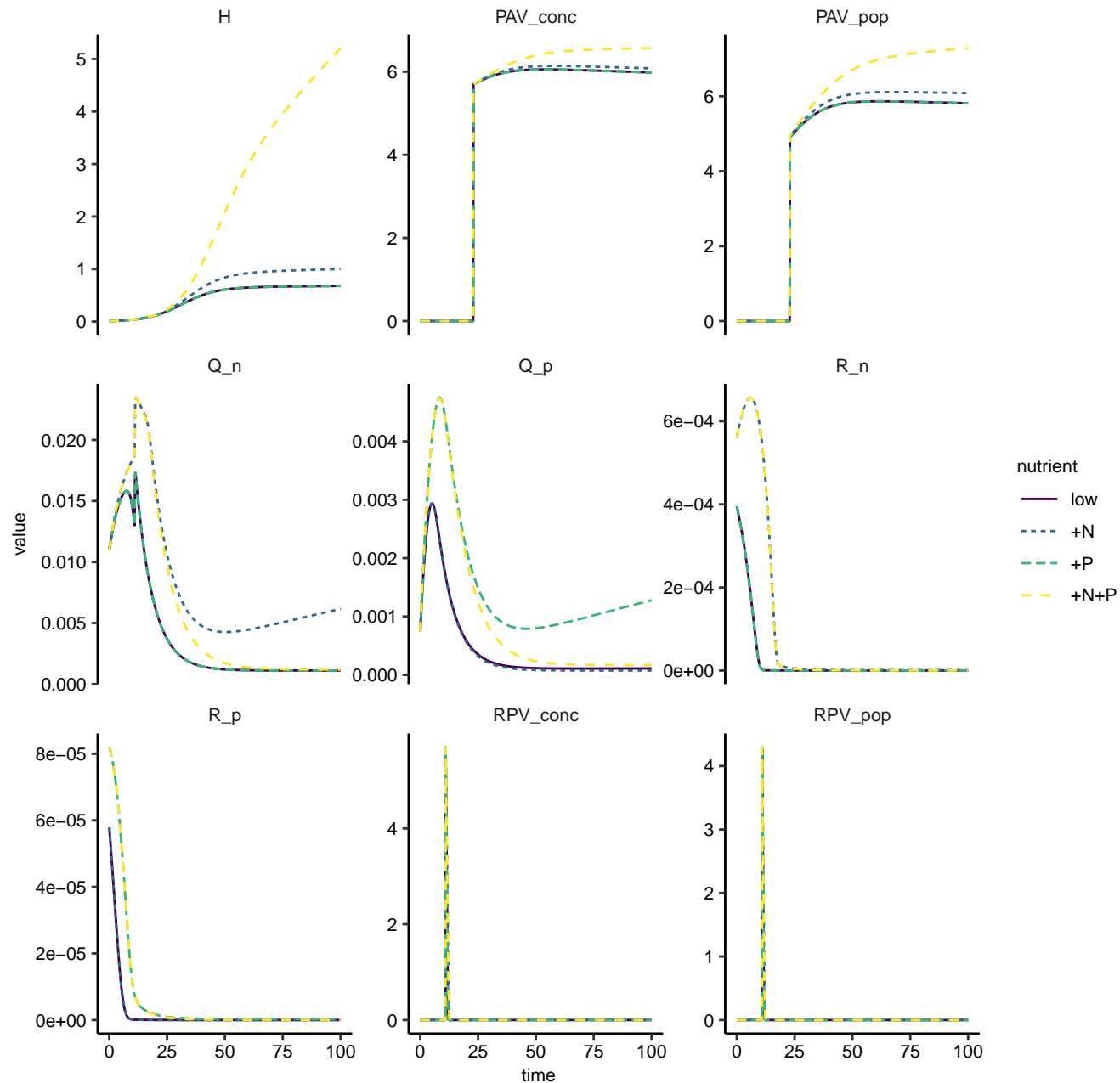
$q_{nc} = 1$; $z_{nc} = 1e-12$



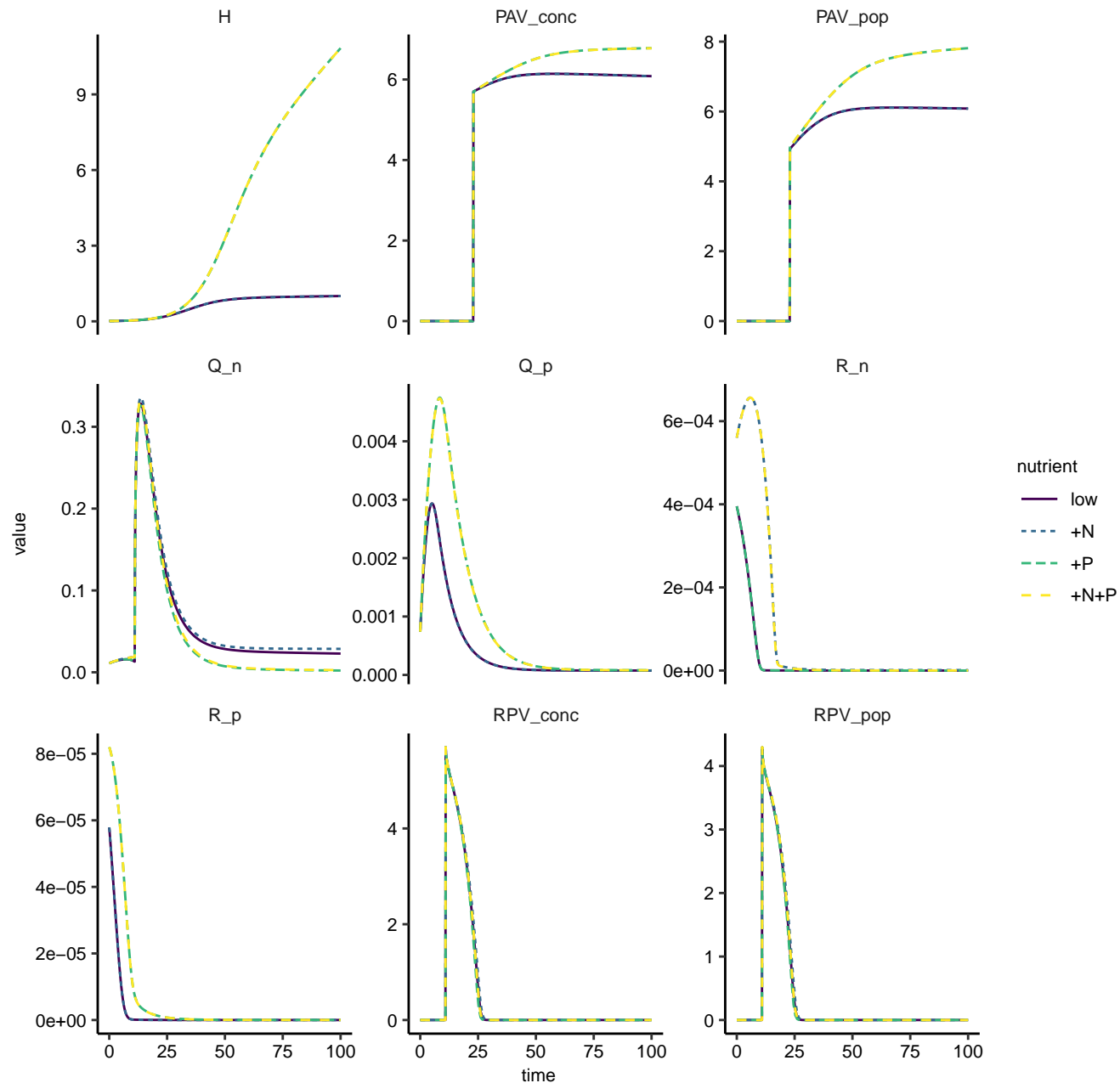
$q_{nc} = 1$; $z_{nc} = 1e-10$



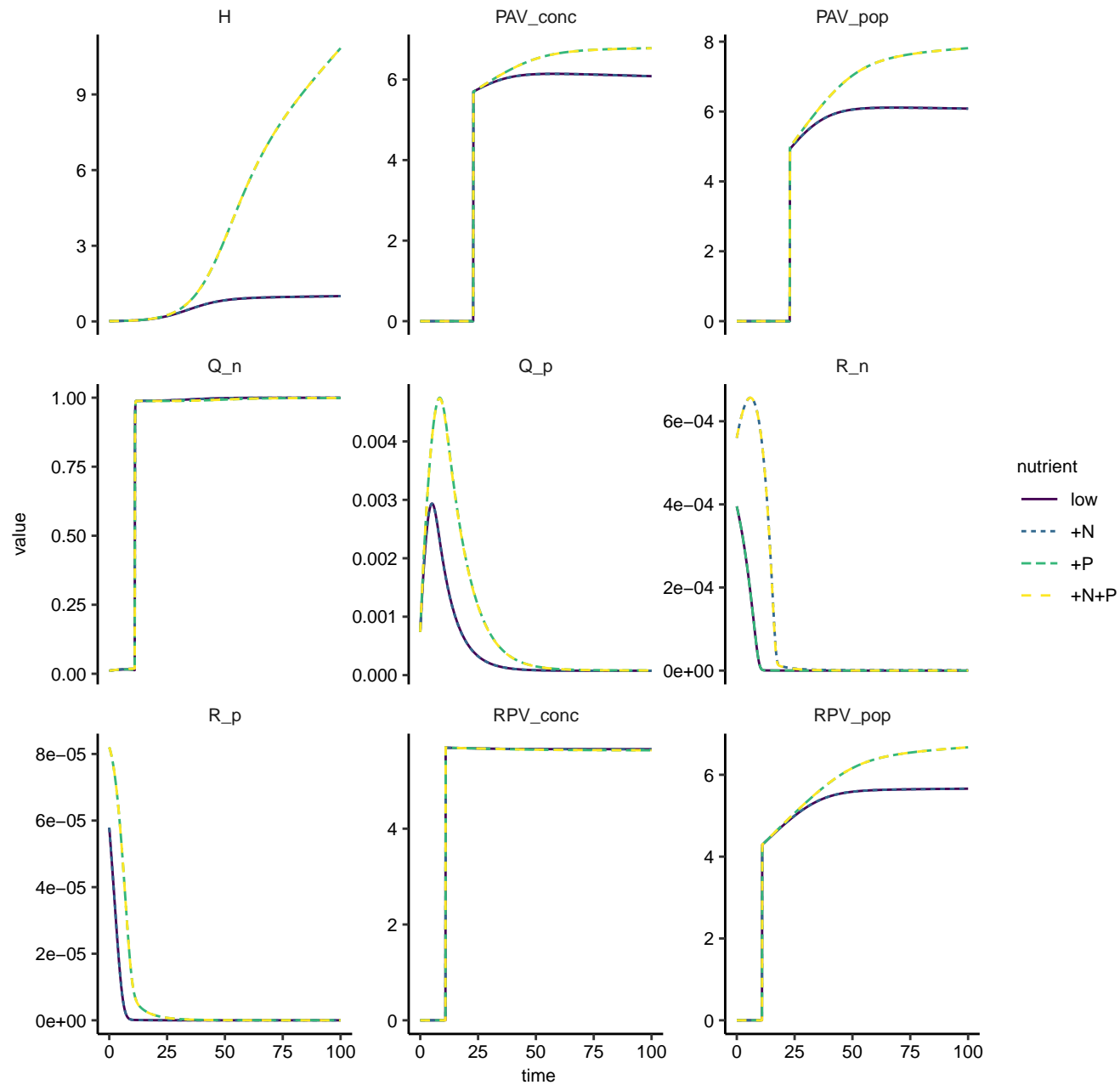
$q_{nc} = 1$; $z_{nc} = 1e-08$



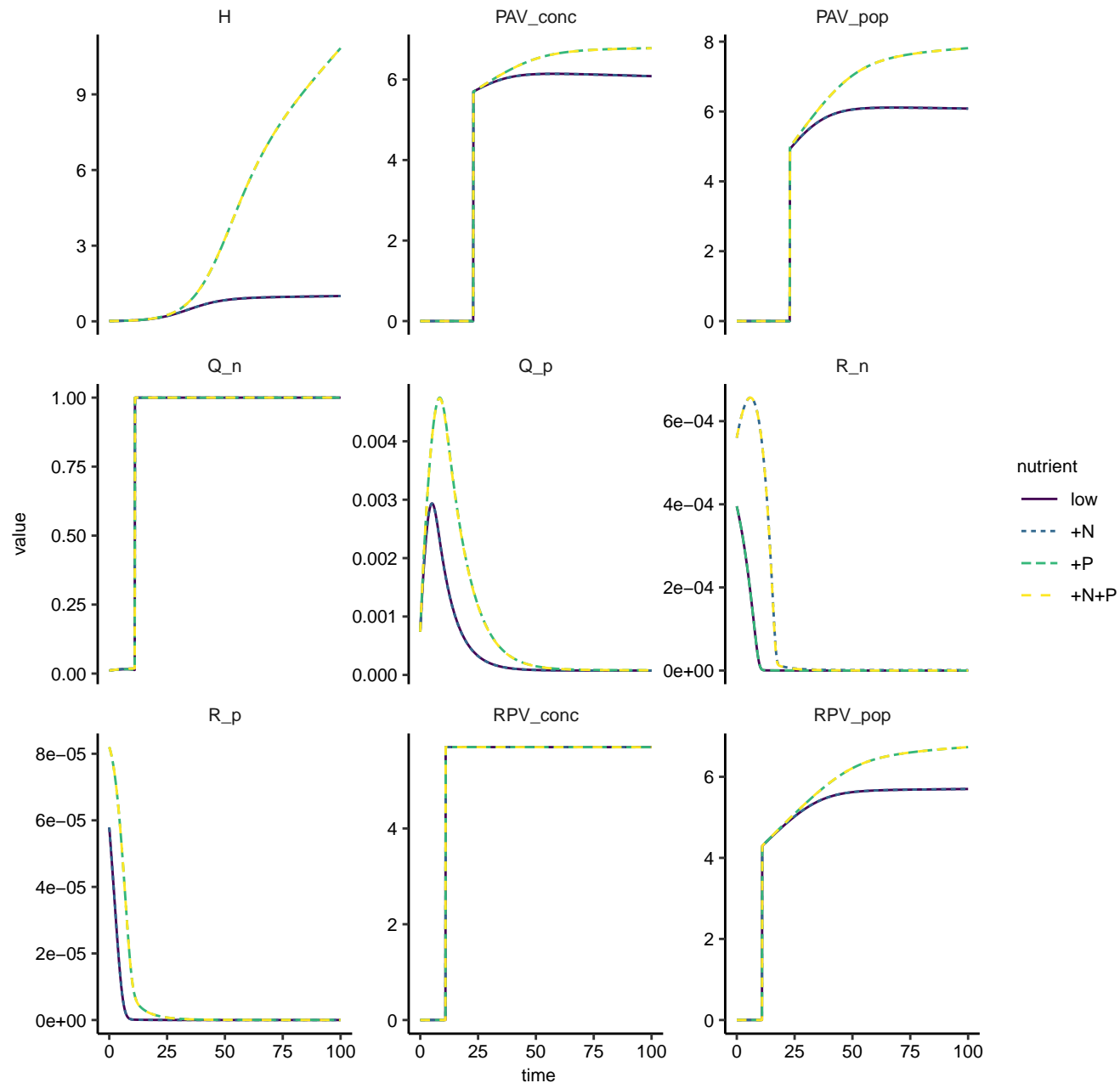
$q_{nc} = 1$; $z_{nc} = 1e-06$



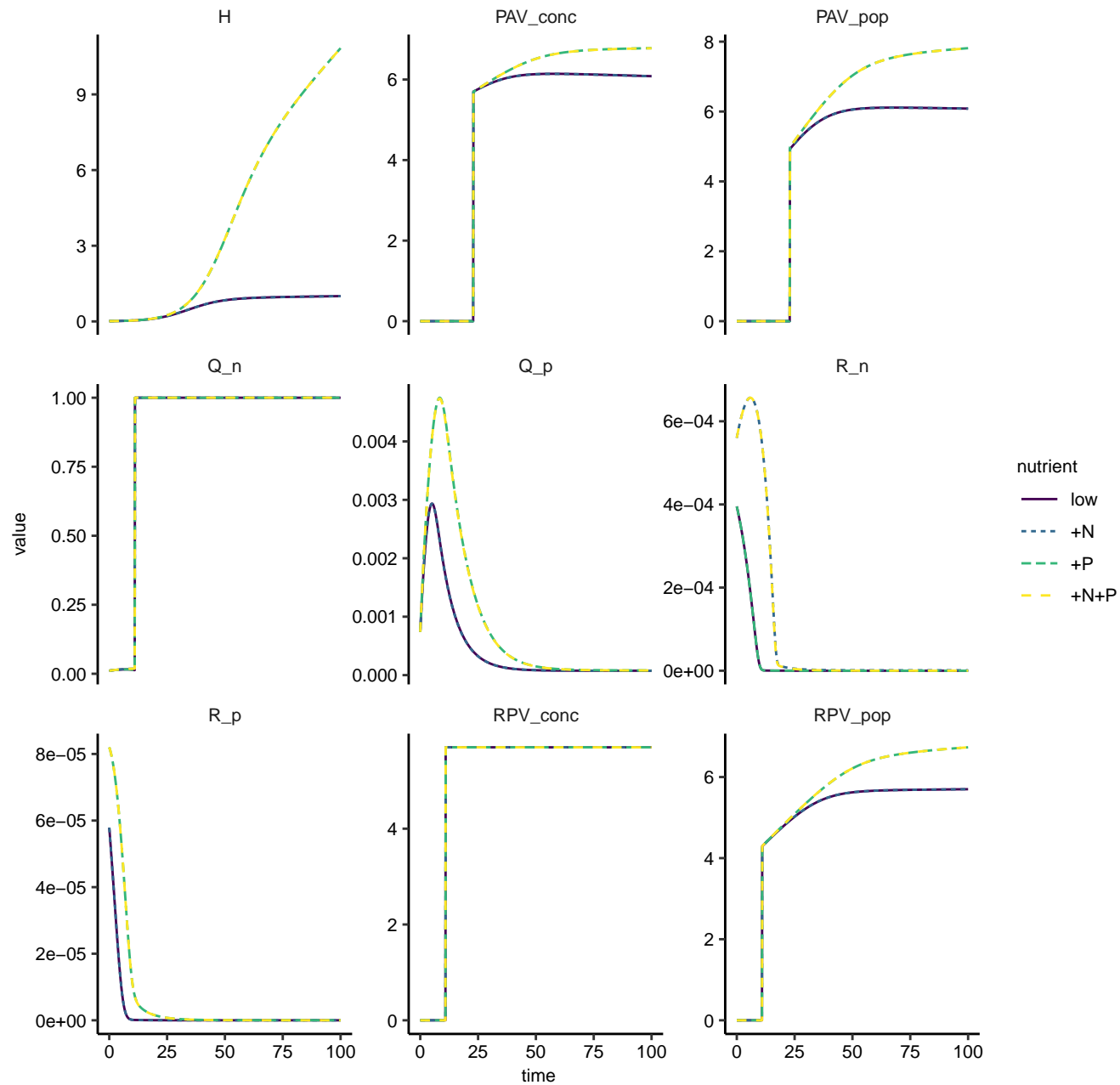
$q_{nc} = 1$; $z_{nc} = 1e-04$



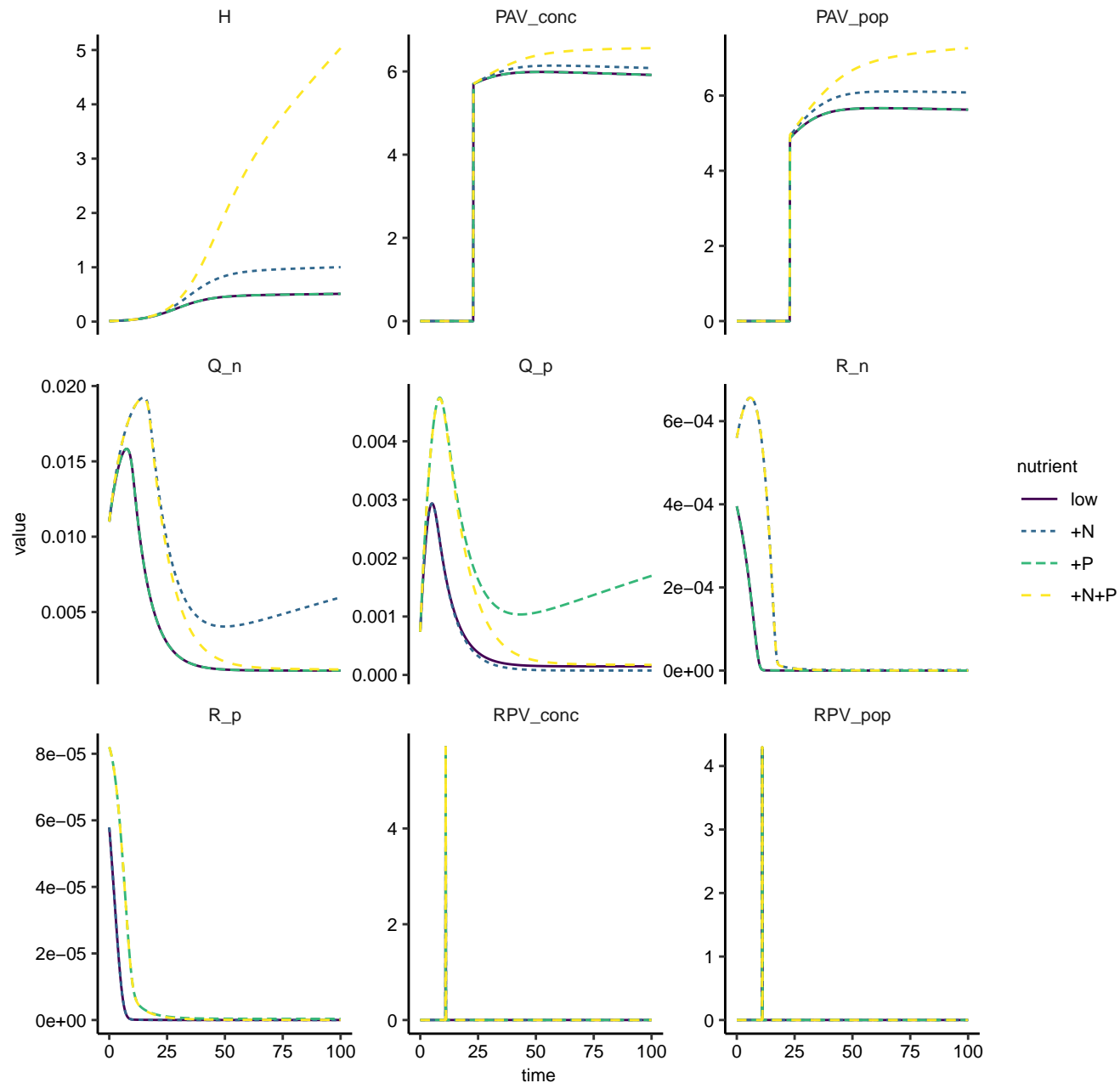
$q_{nc} = 1; z_{nc} = 0.01$



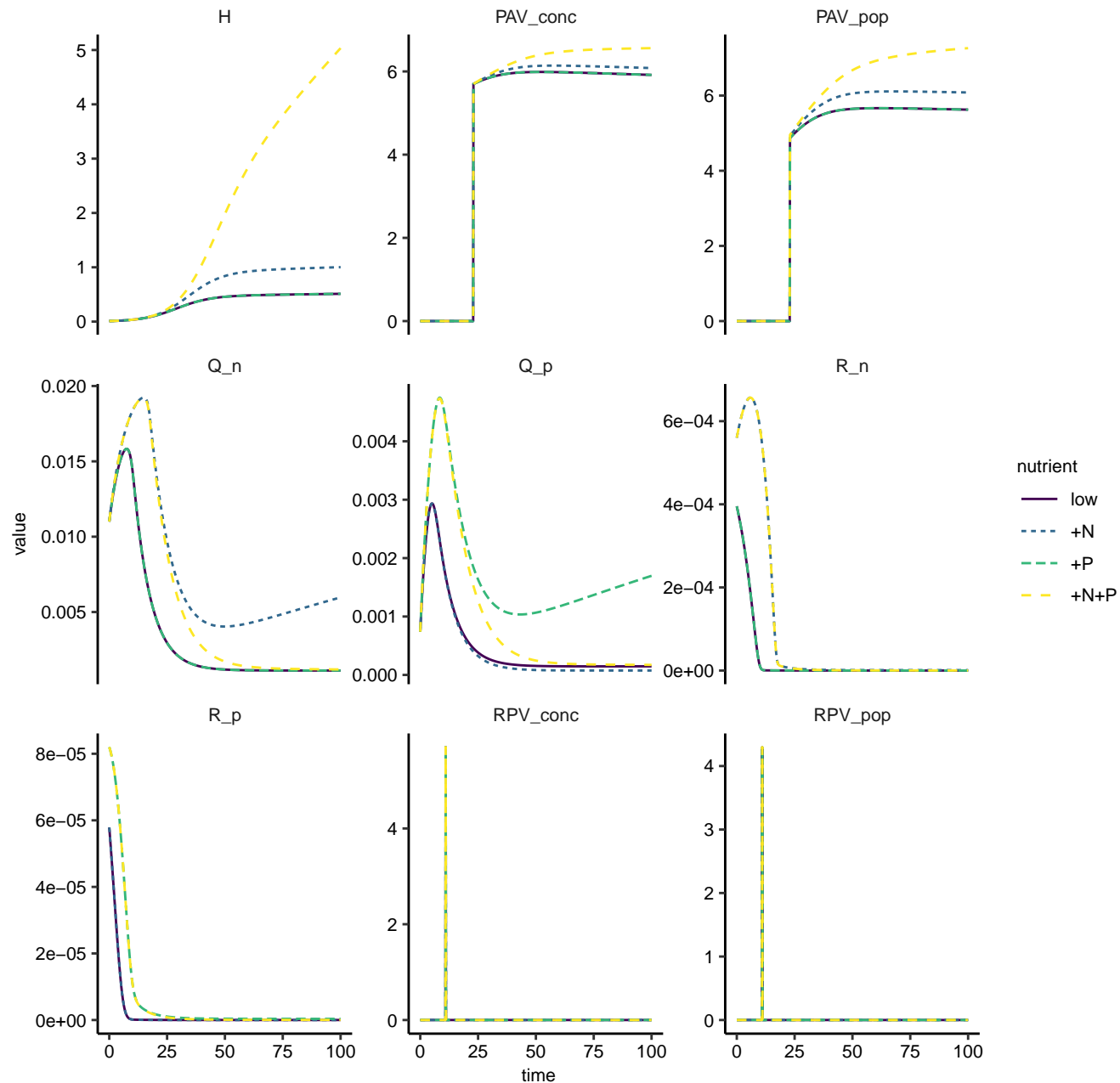
q_nc = 1; z_nc = 1



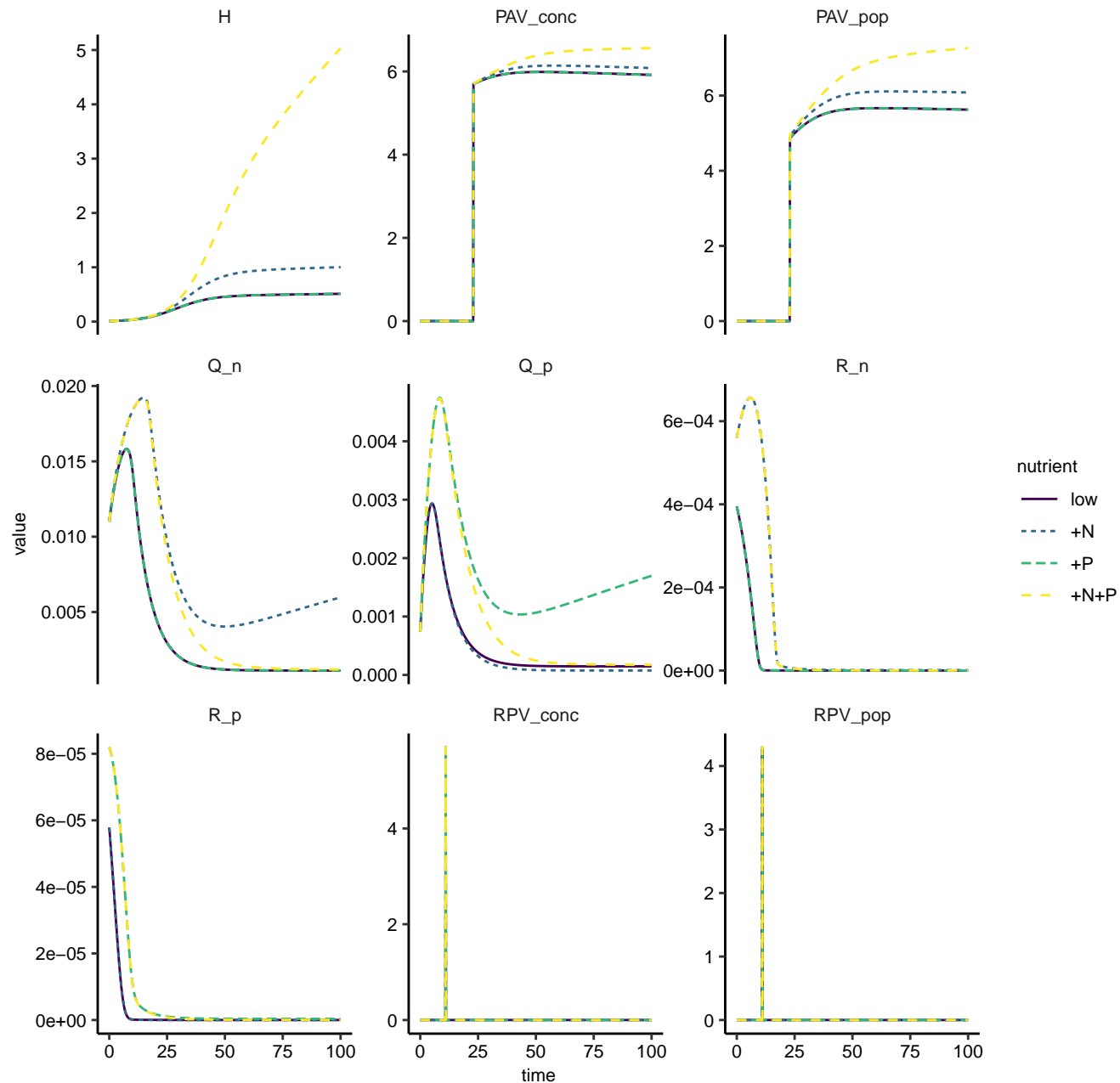
$q_{nc} = 10$; $z_{nc} = 1e-18$



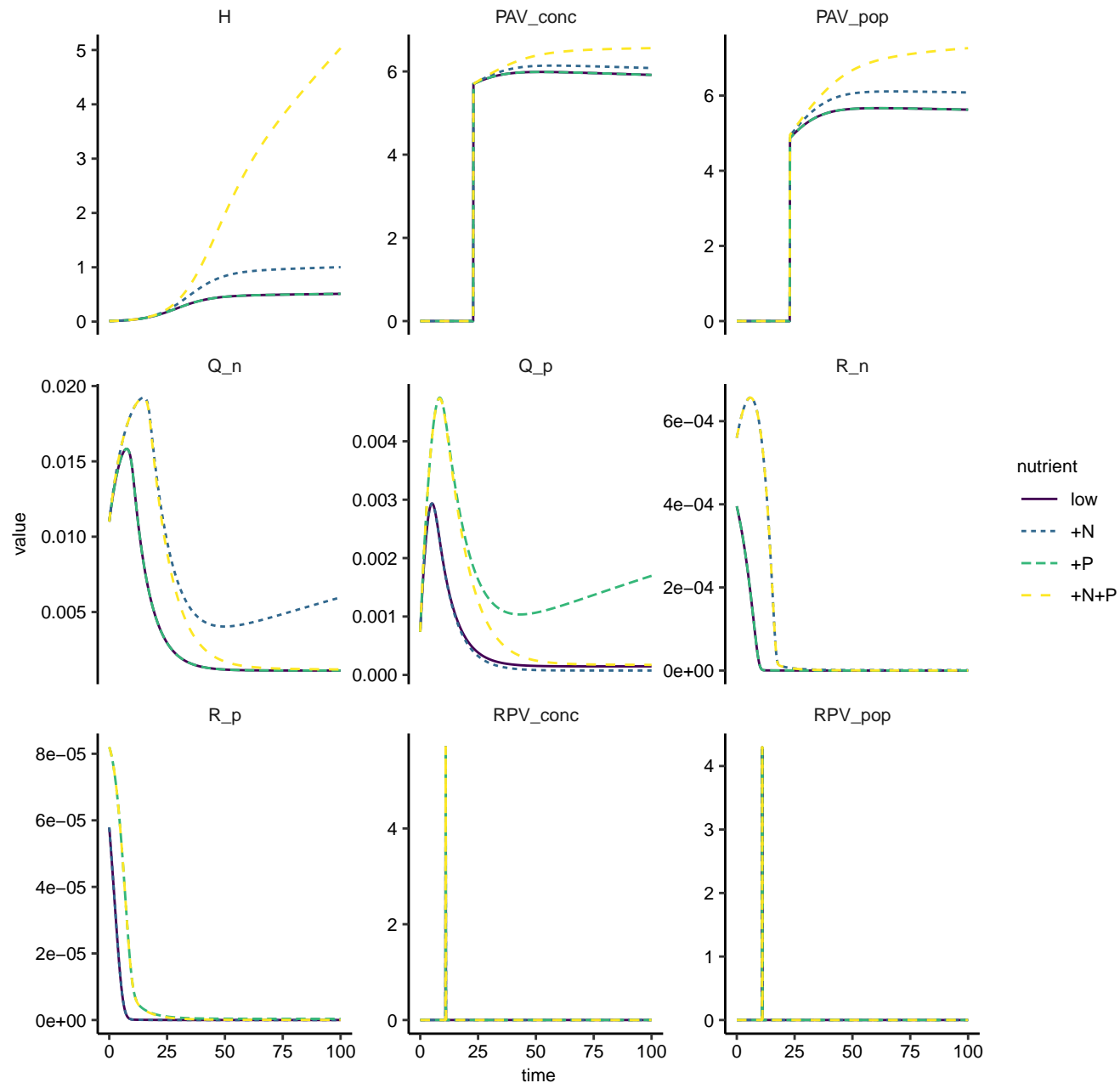
$q_{nc} = 10$; $z_{nc} = 1e-16$



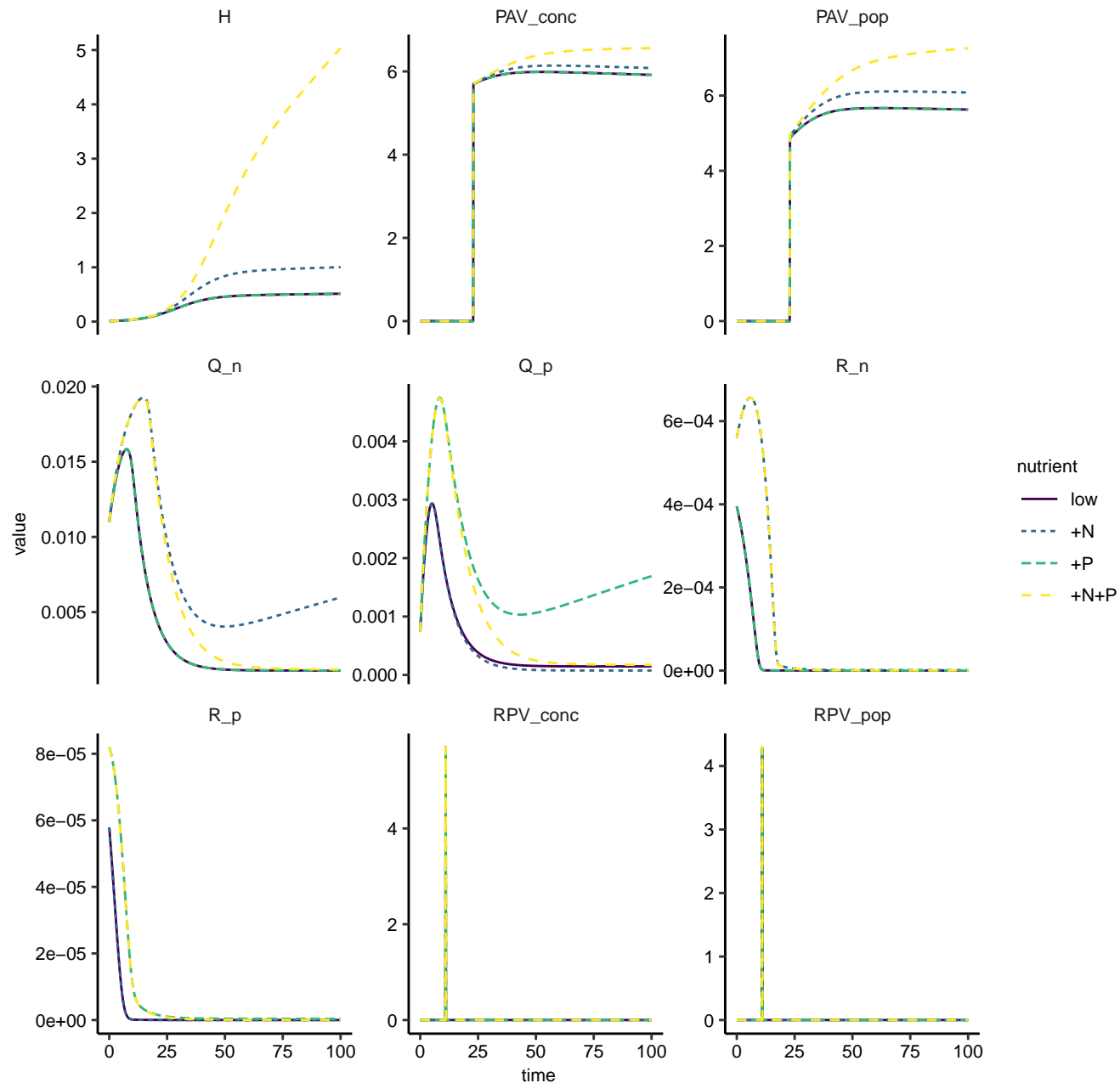
$q_{nc} = 10$; $z_{nc} = 1e-14$



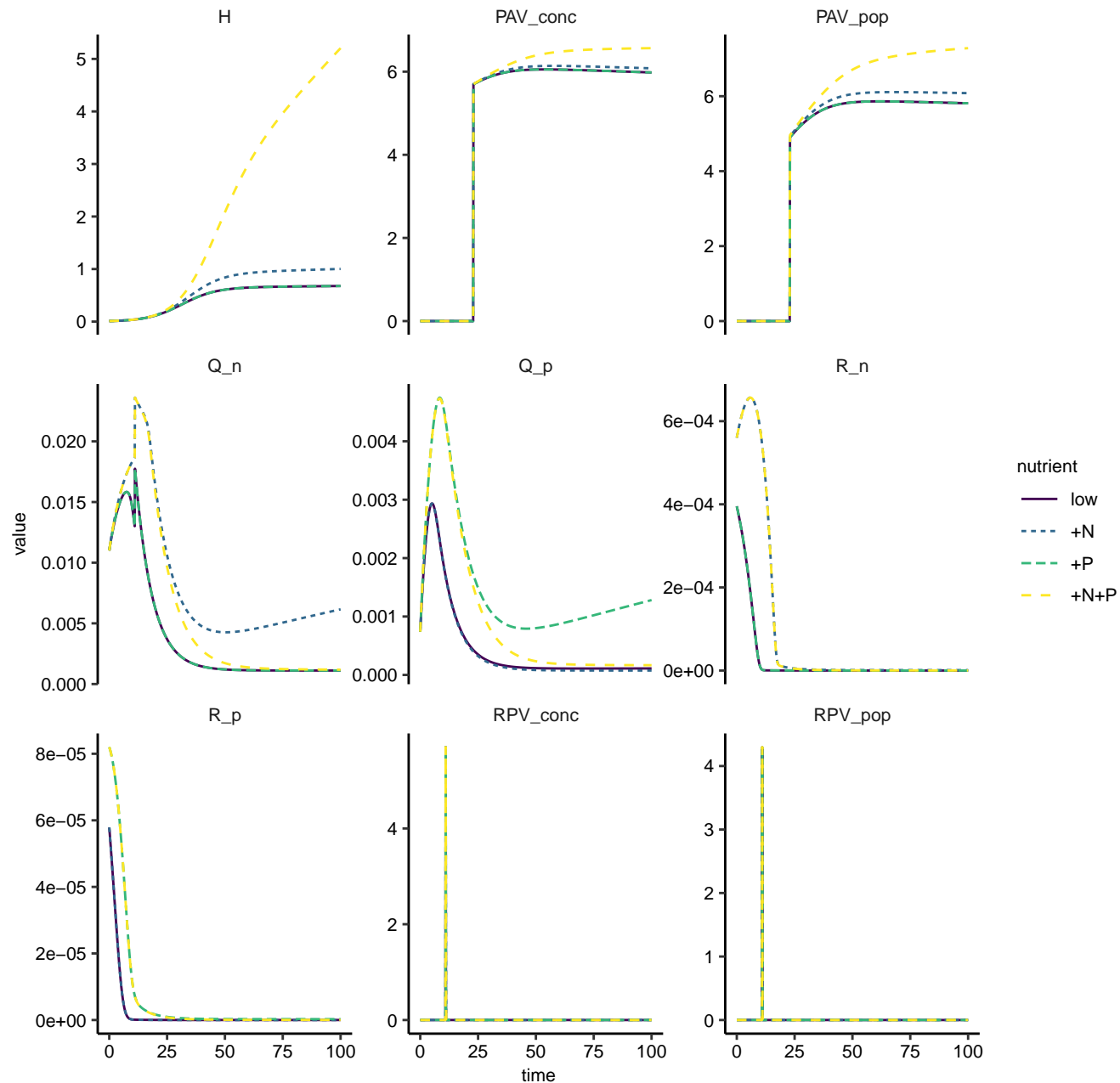
$q_{nc} = 10$; $z_{nc} = 1e-12$



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



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



$q_{nc} = 10$; $z_{nc} = 1e-06$

H

PAV_conc

PAV_pop

Q_n

Q_p

R_n

R_p

RPV_conc

RPV_pop

nutrient

low

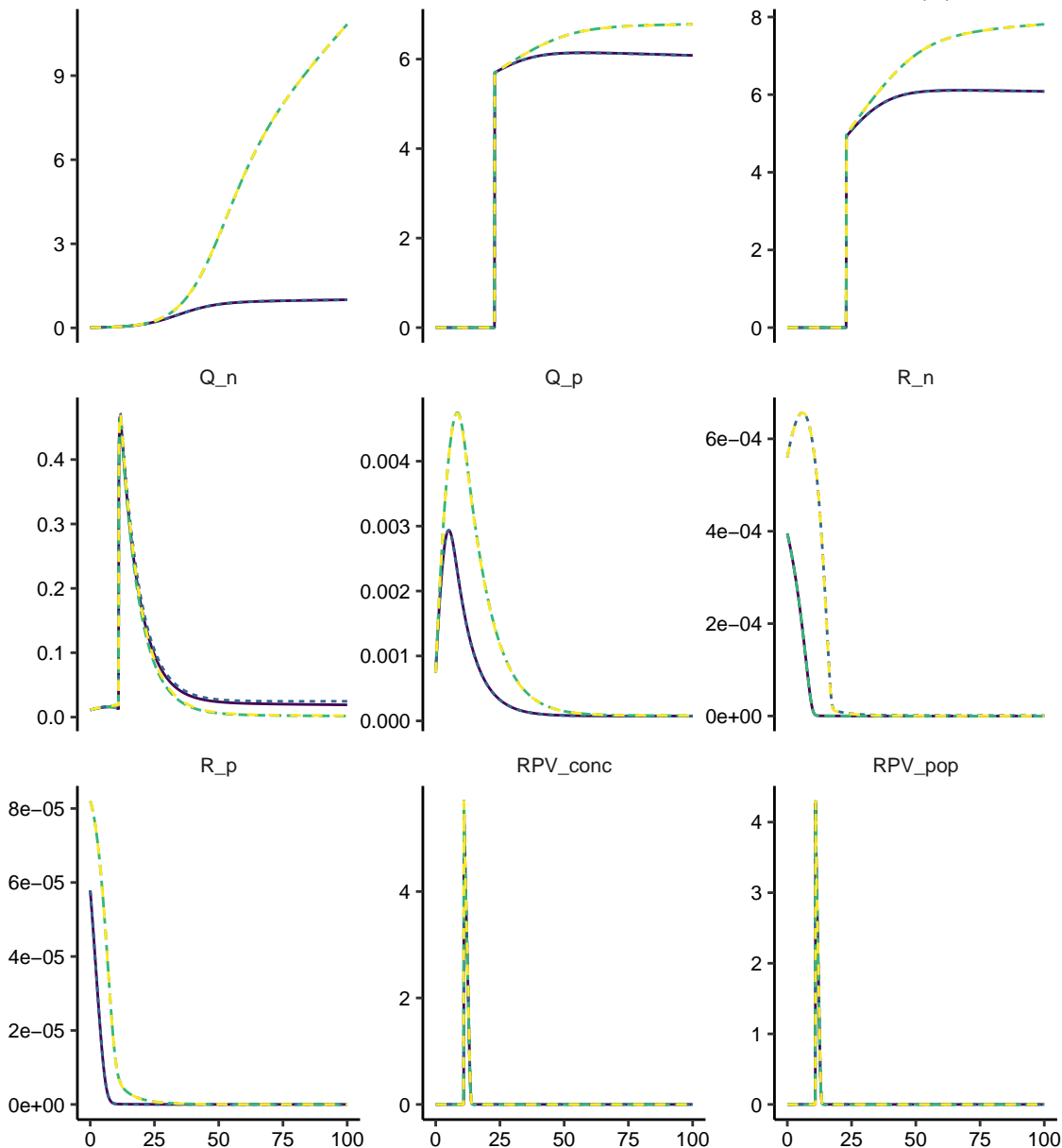
+N

+P

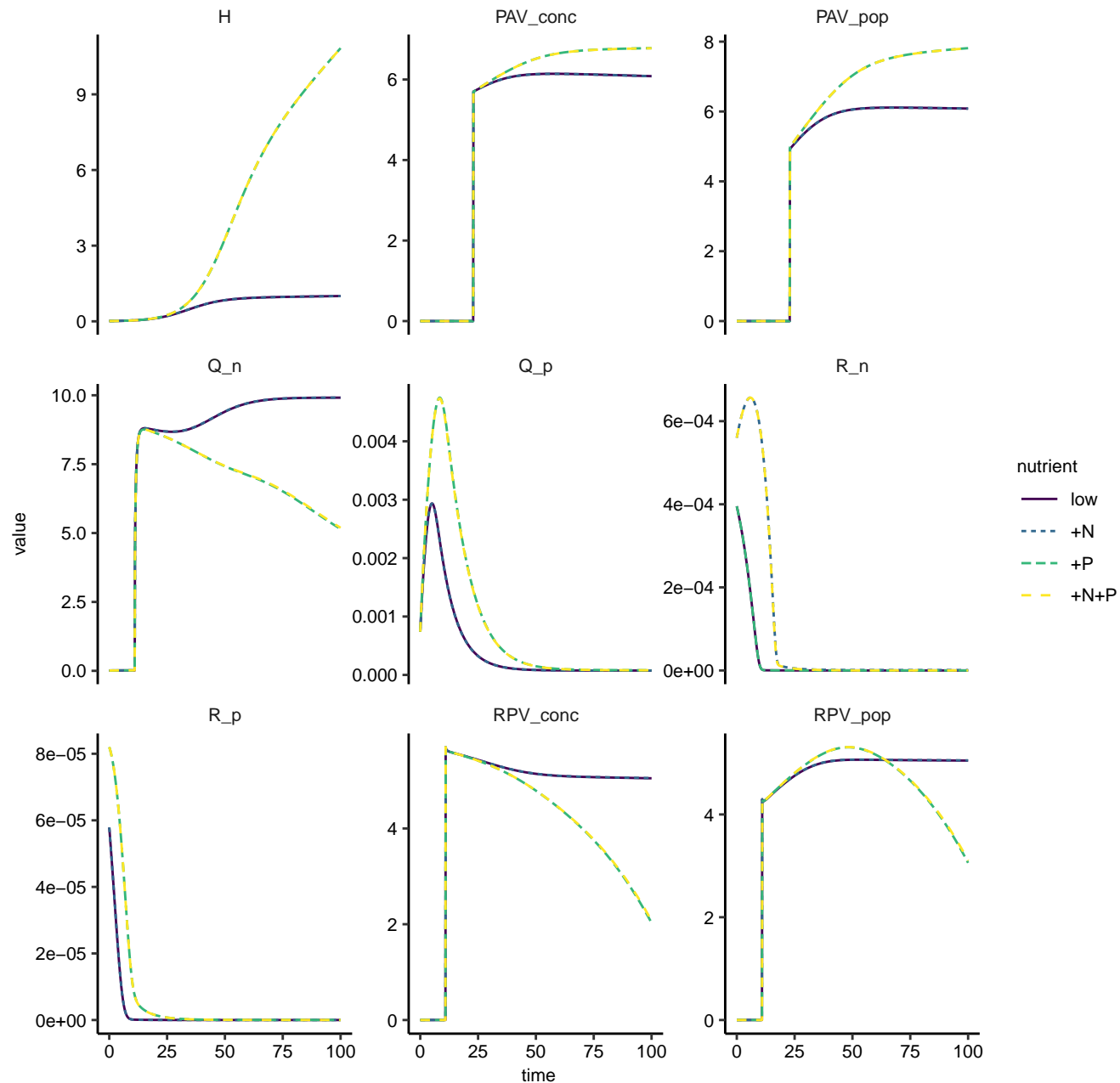
+N+P

value

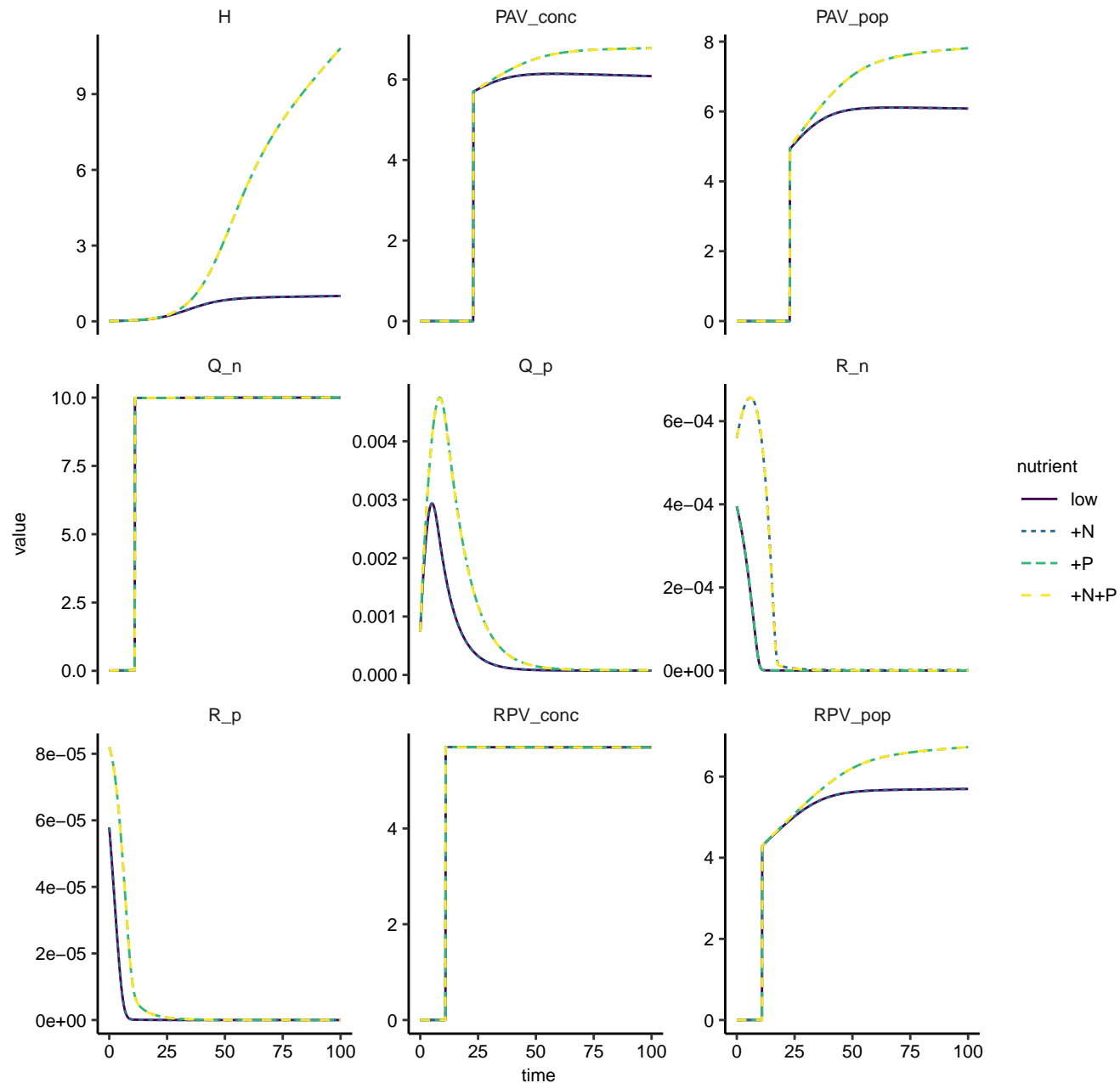
time



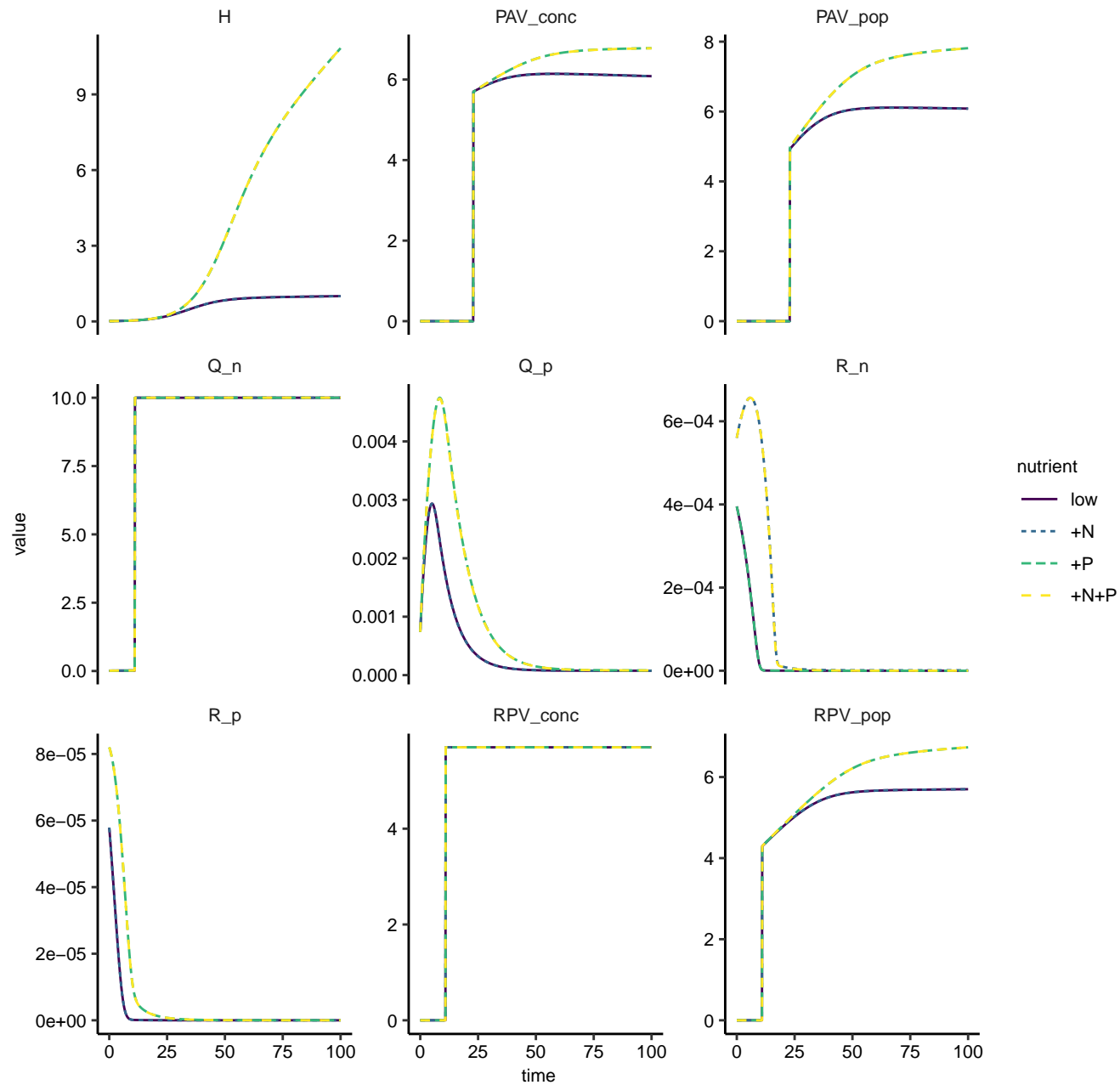
$q_{nc} = 10$; $z_{nc} = 1e-04$



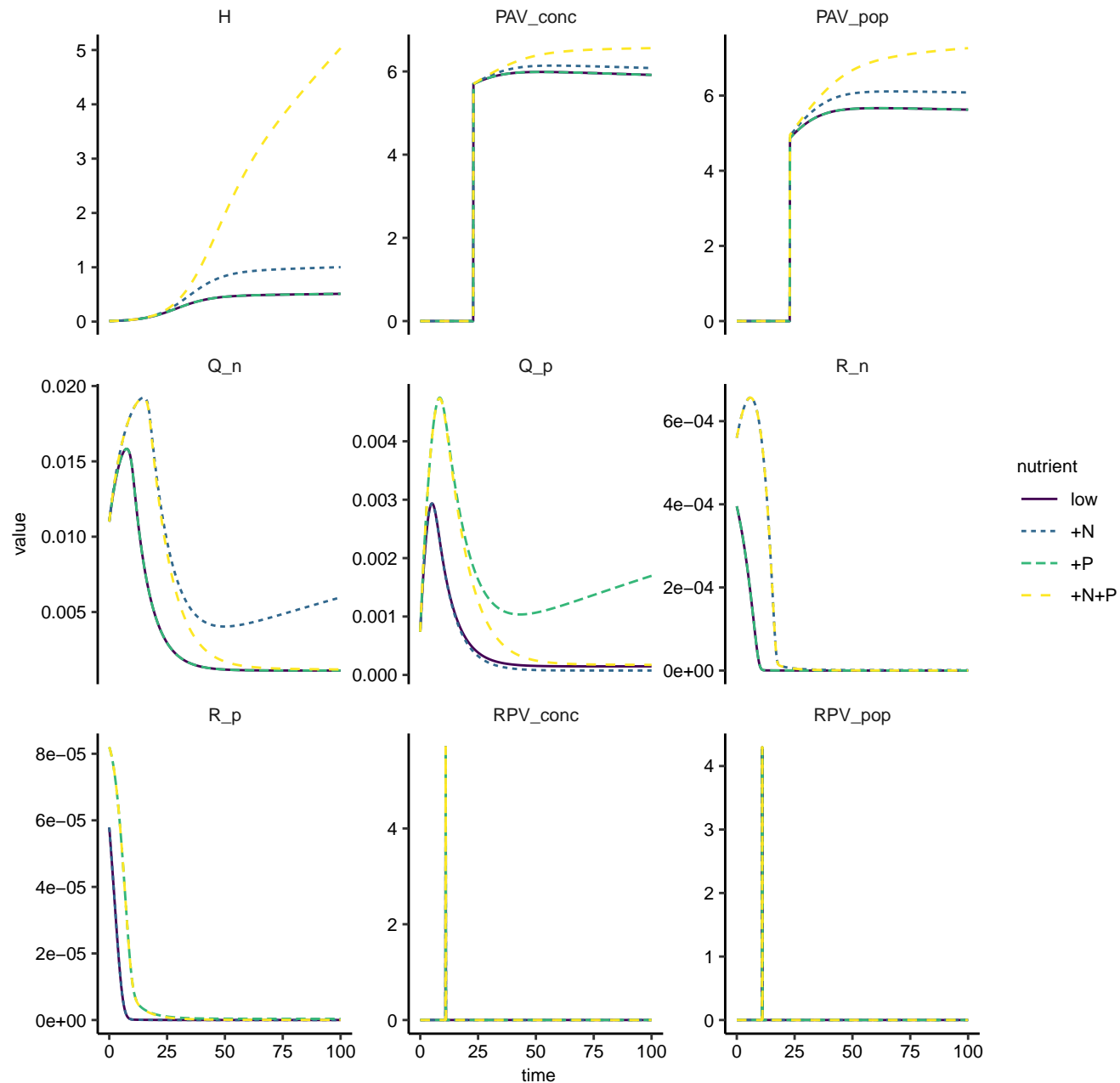
$q_{nc} = 10$; $z_{nc} = 0.01$



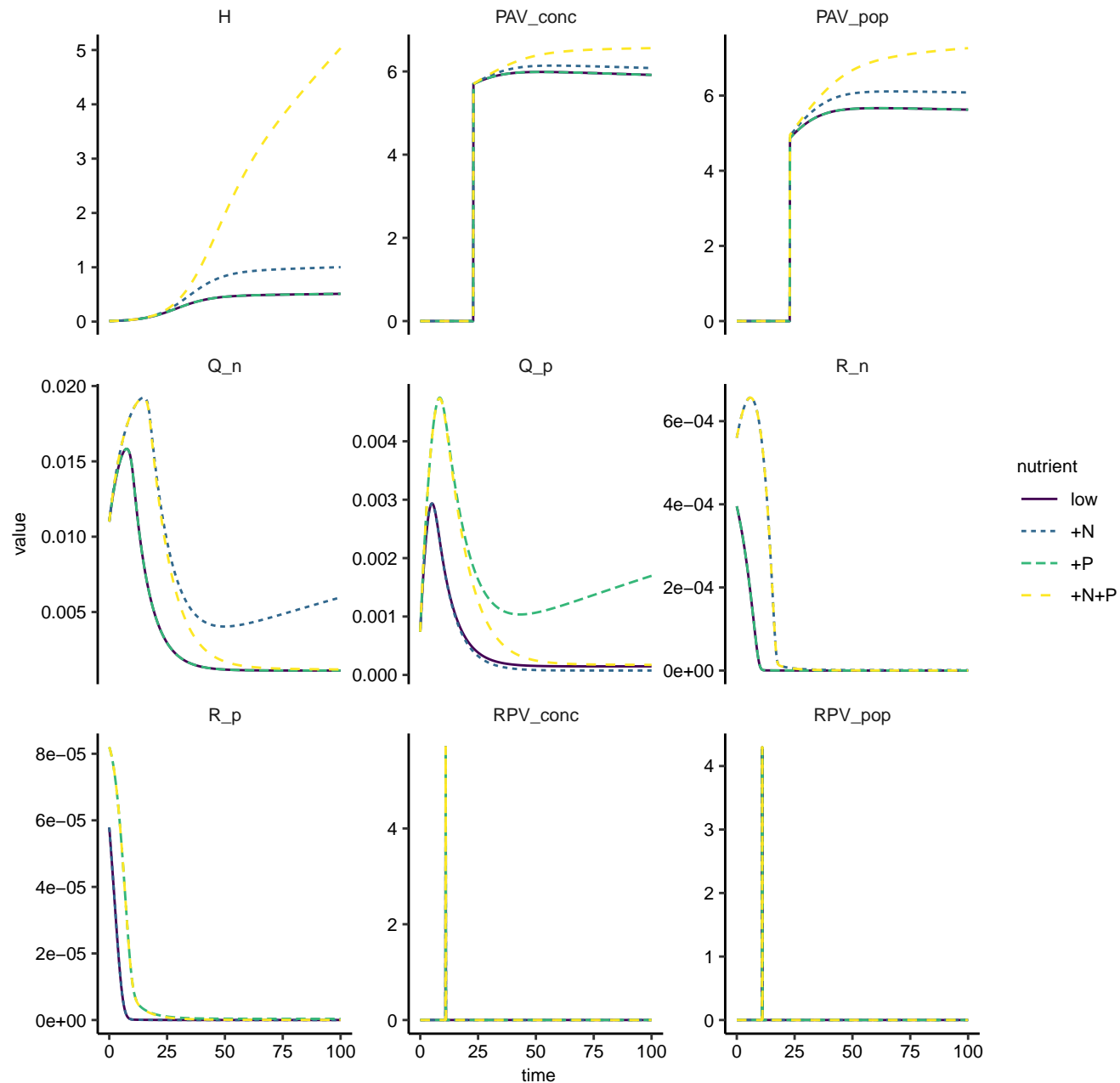
q_nc = 10; z_nc = 1



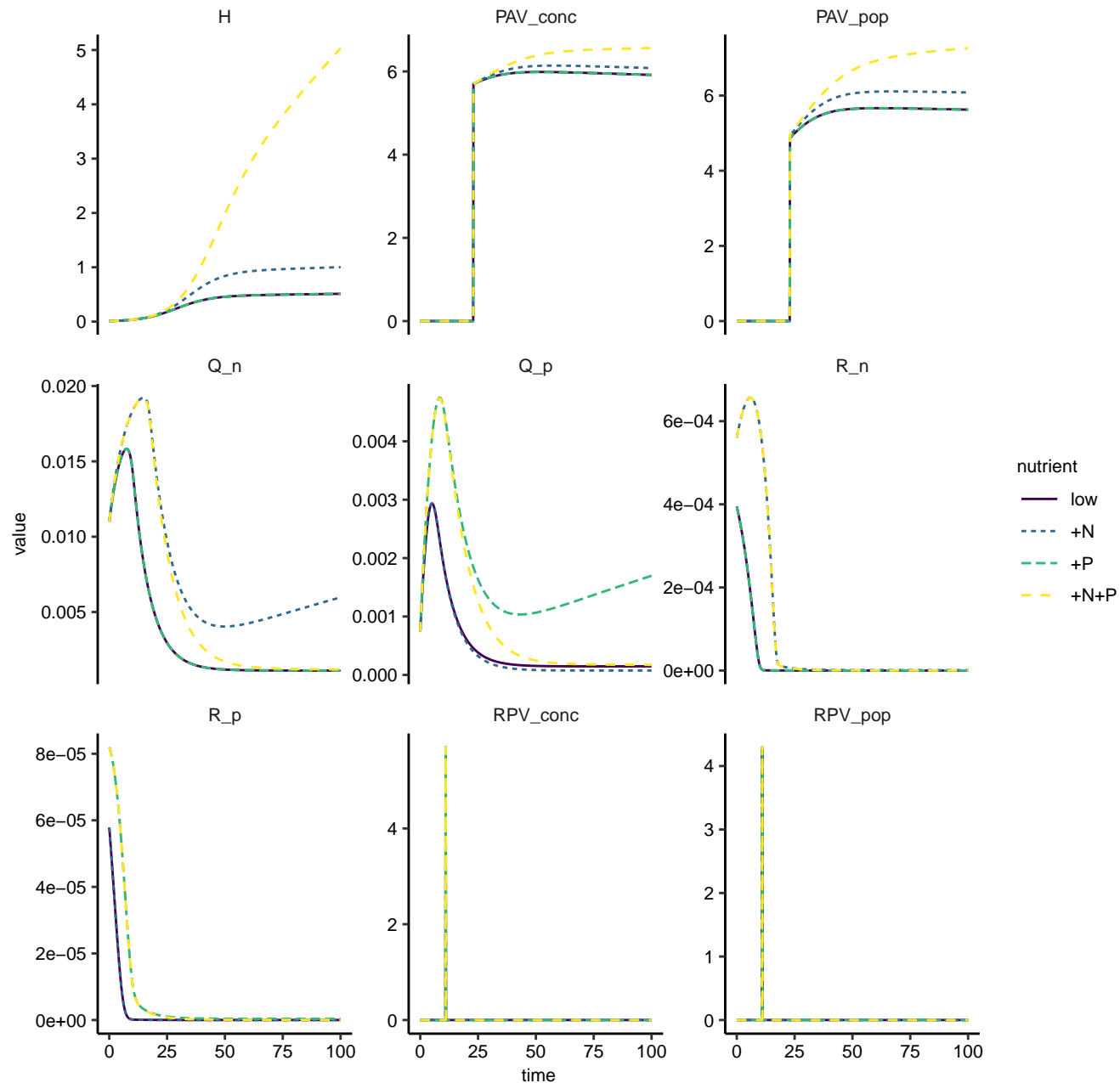
$q_{nc} = 100$; $z_{nc} = 1e-18$



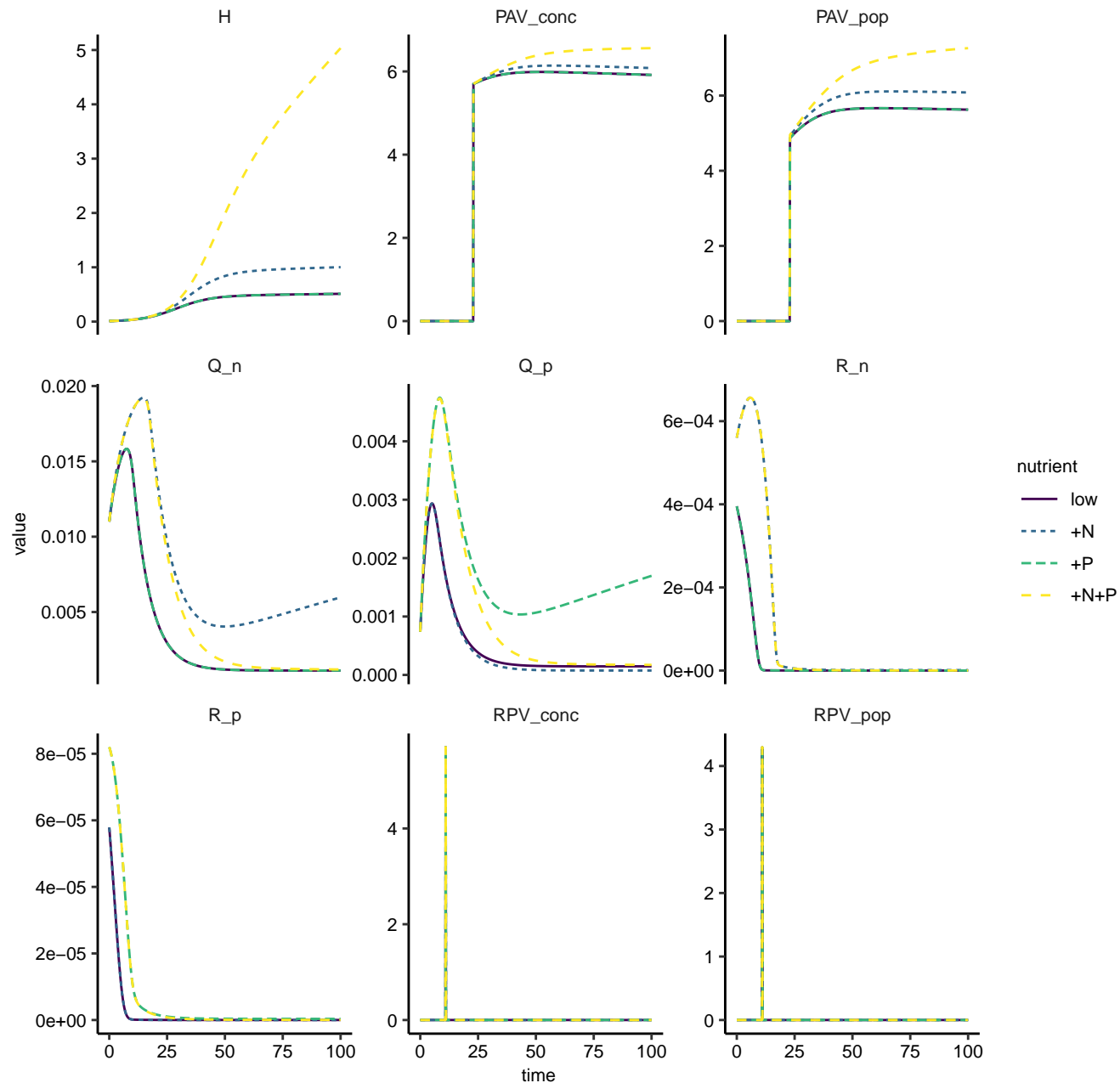
$q_{nc} = 100$; $z_{nc} = 1e-16$



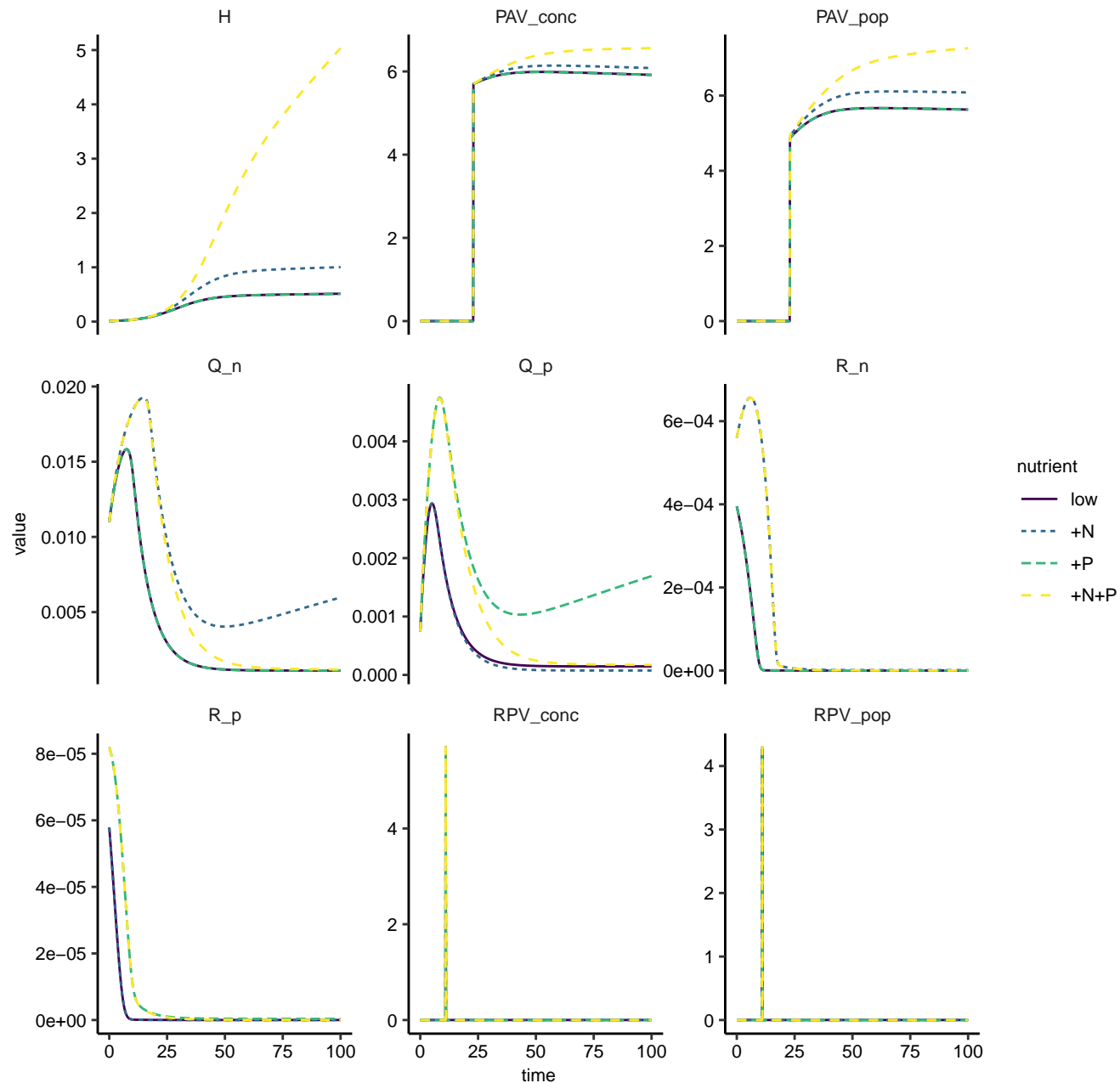
$q_{nc} = 100$; $z_{nc} = 1e-14$



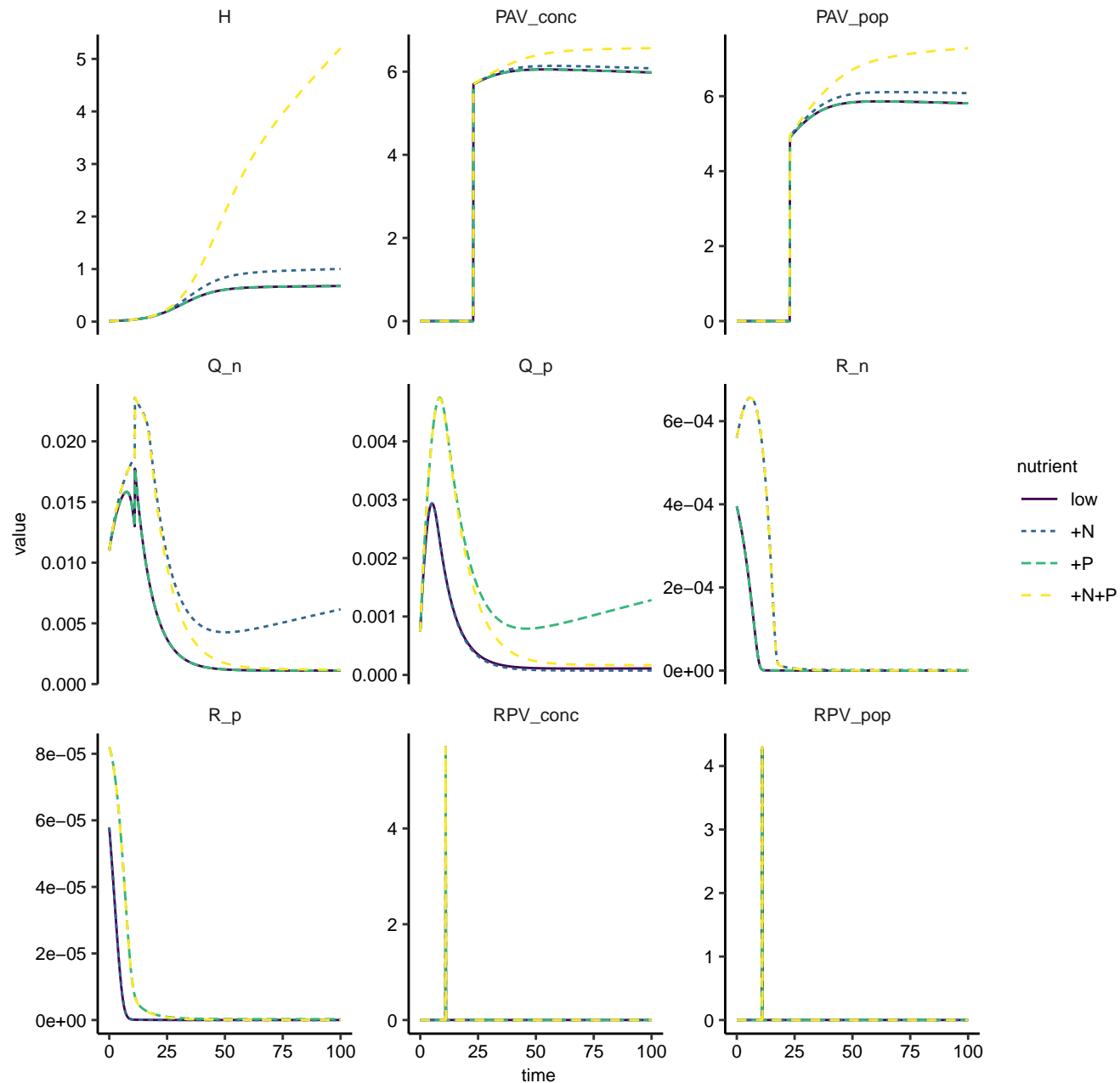
$q_{nc} = 100$; $z_{nc} = 1e-12$



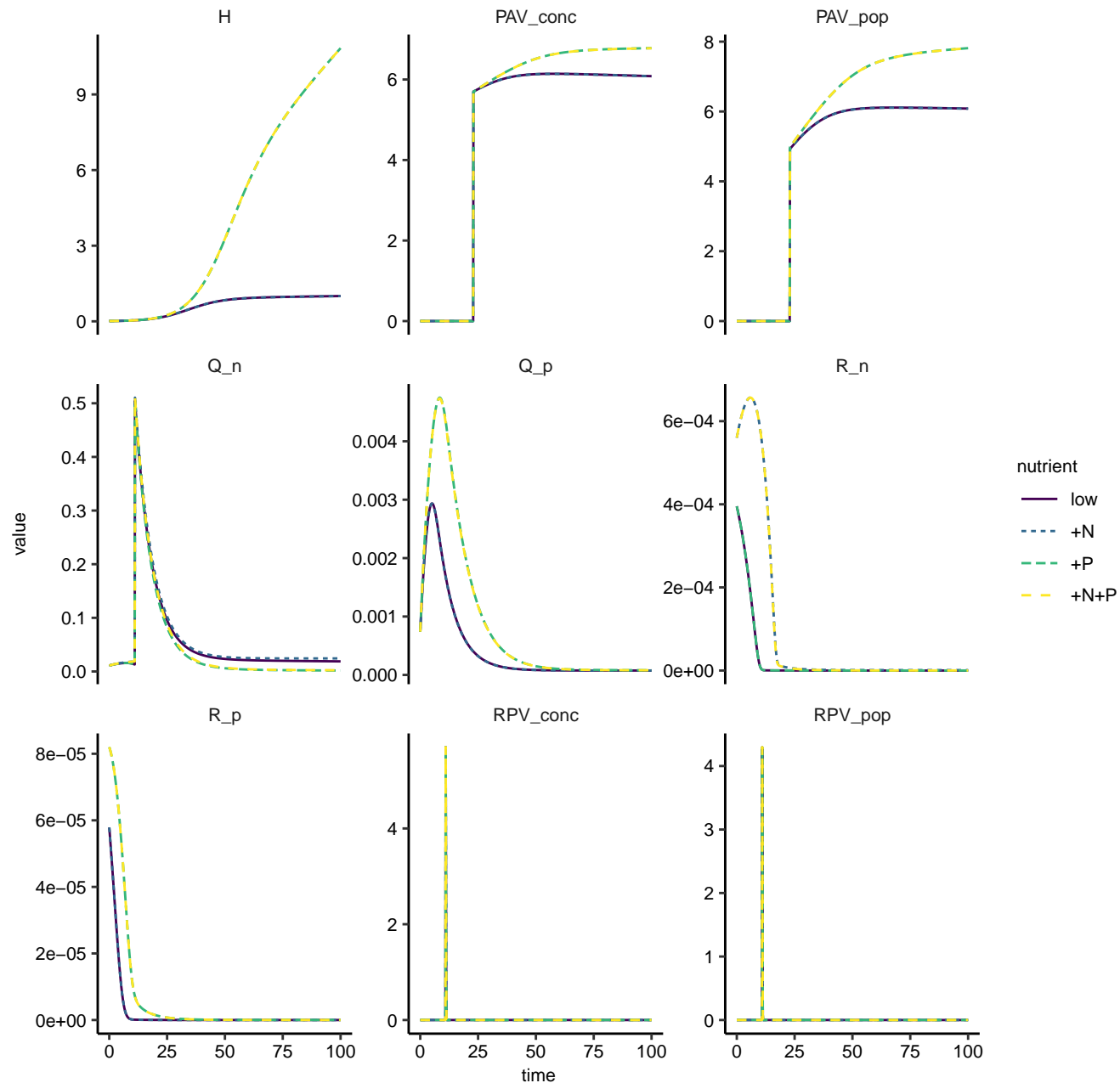
$q_{nc} = 100$; $z_{nc} = 1e-10$



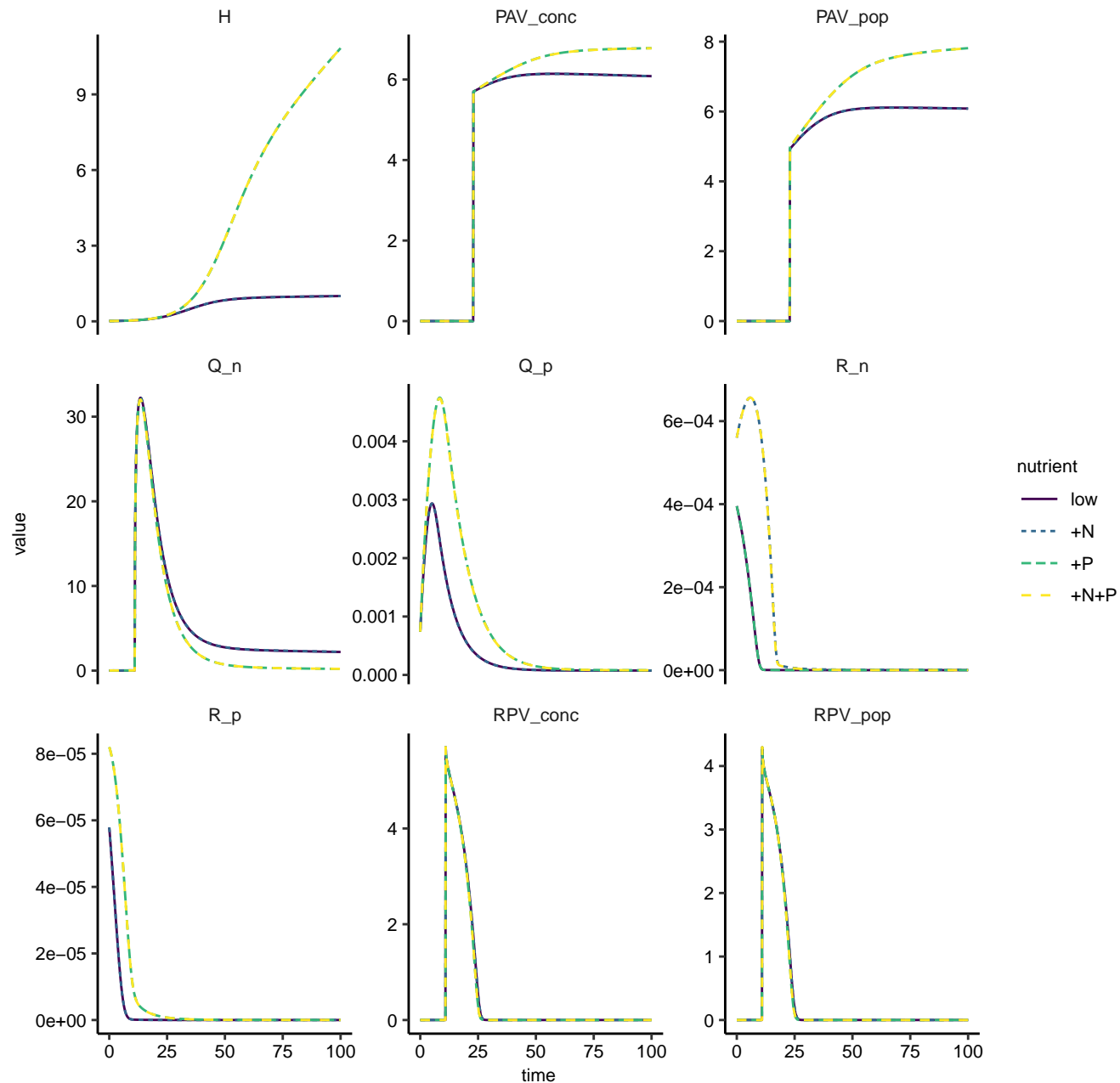
$q_{nc} = 100$; $z_{nc} = 1e-08$



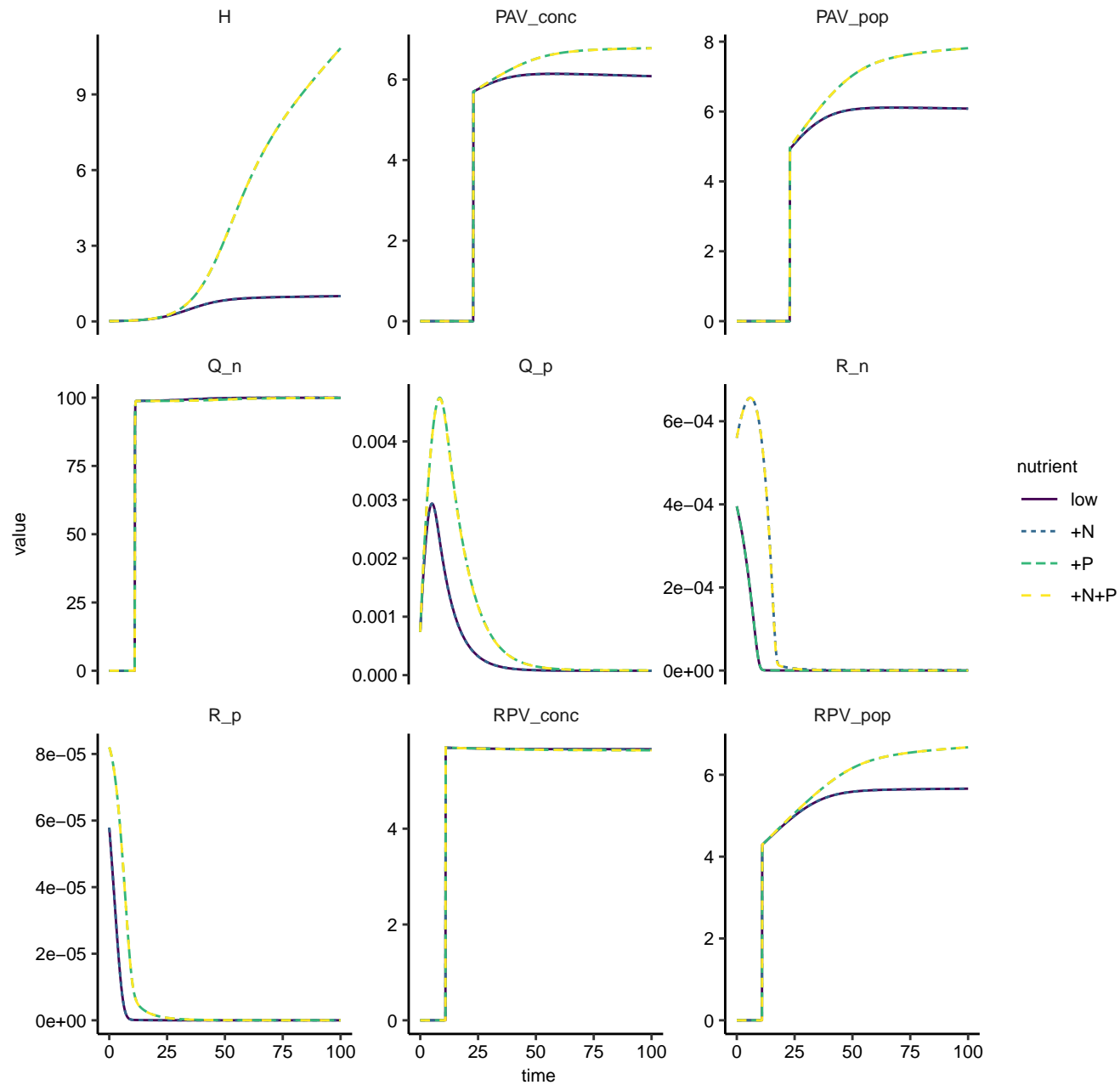
$q_{nc} = 100$; $z_{nc} = 1e-06$



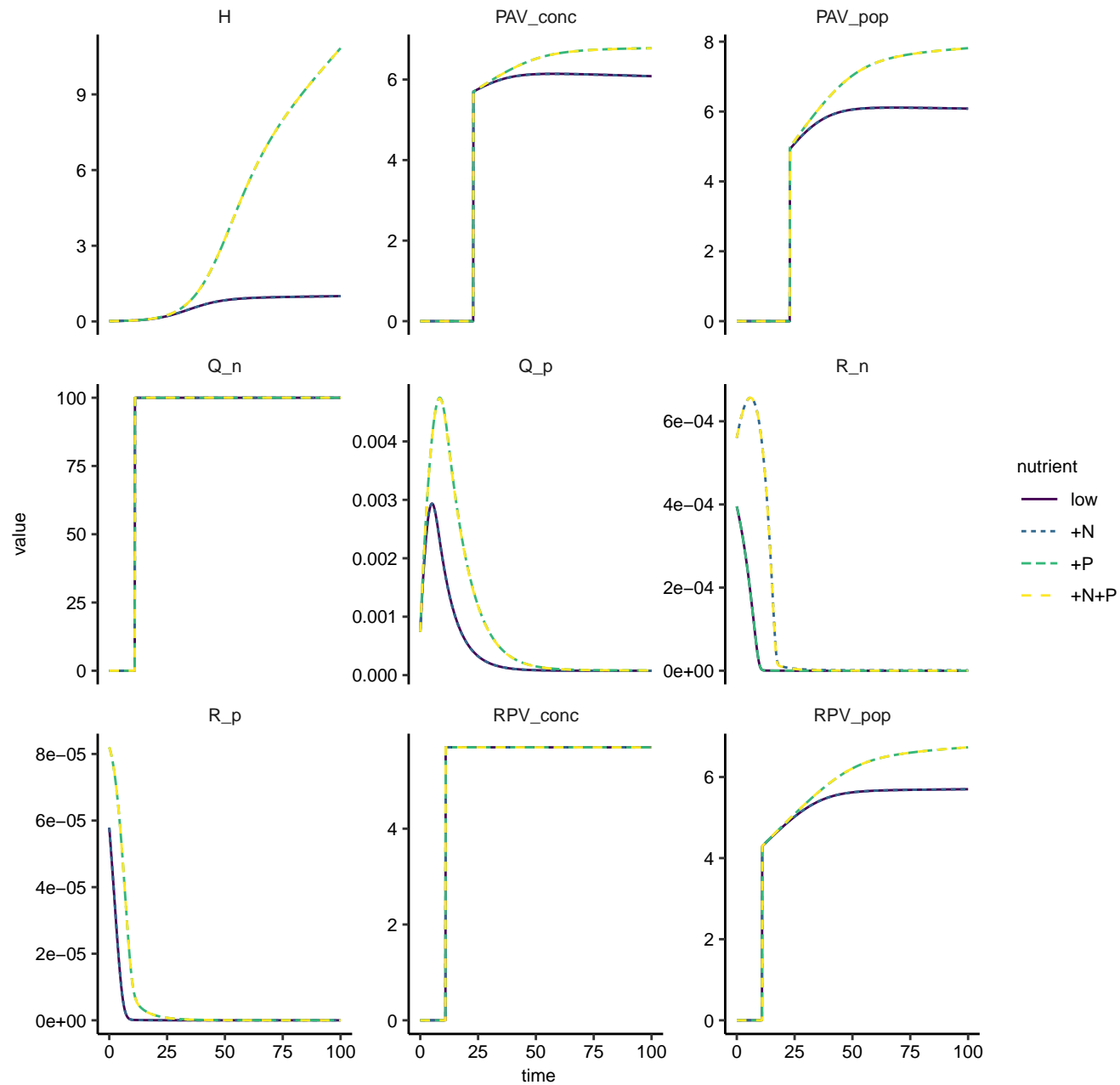
$q_{nc} = 100$; $z_{nc} = 1e-04$



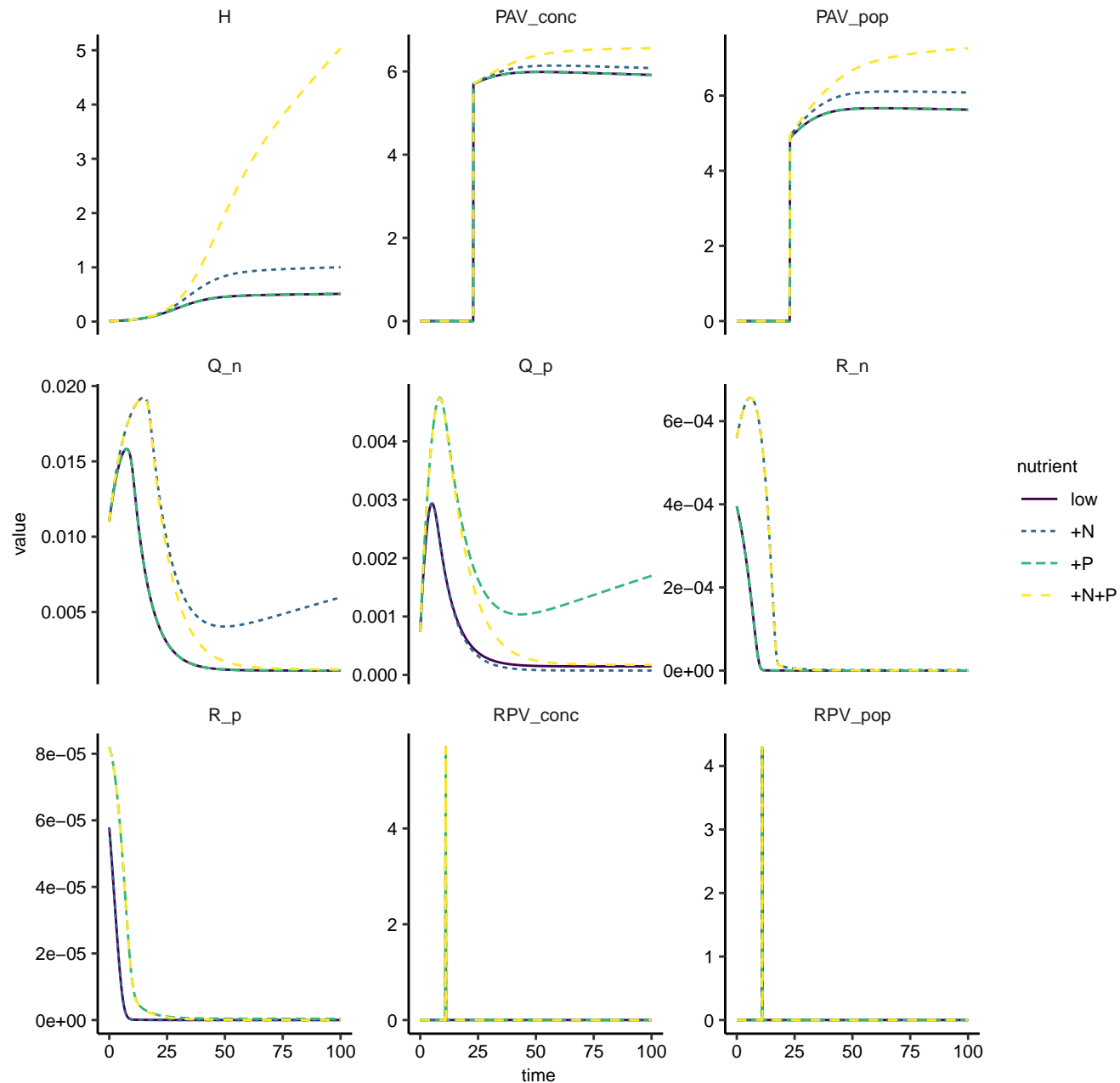
q_nc = 100; z_nc = 0.01



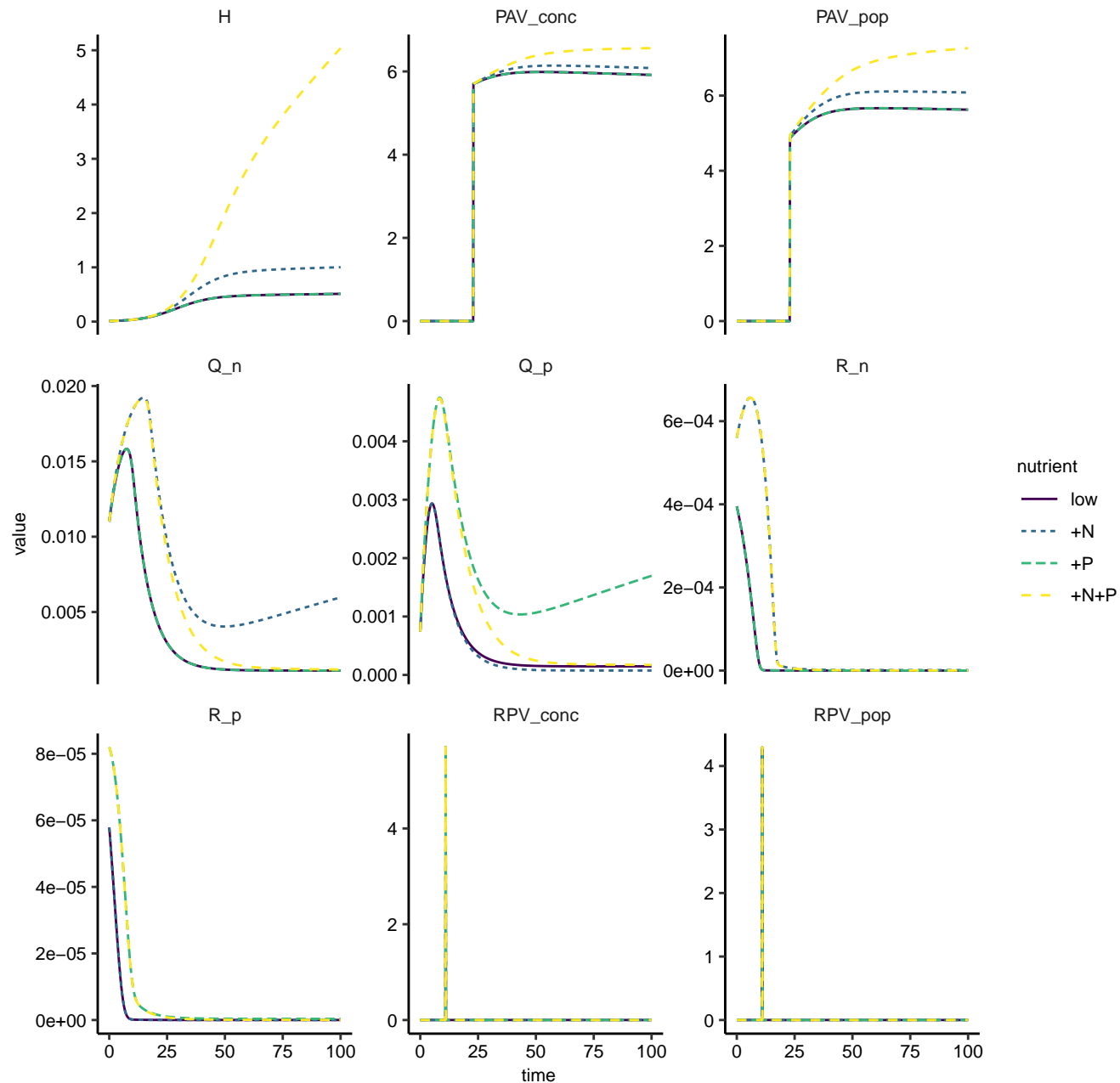
q_nc = 100; z_nc = 1



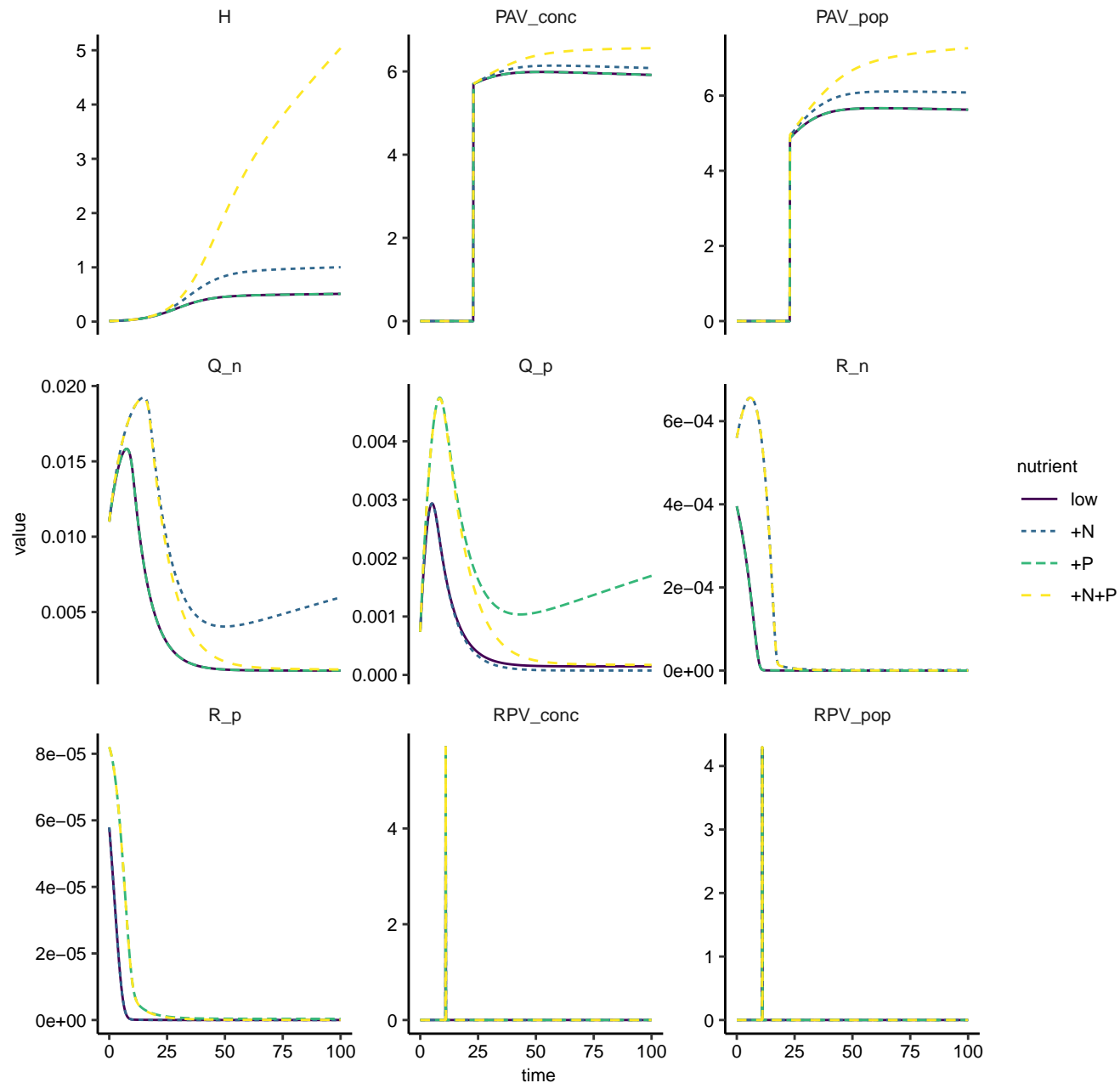
q_nc = 1000; z_nc = 1e-18



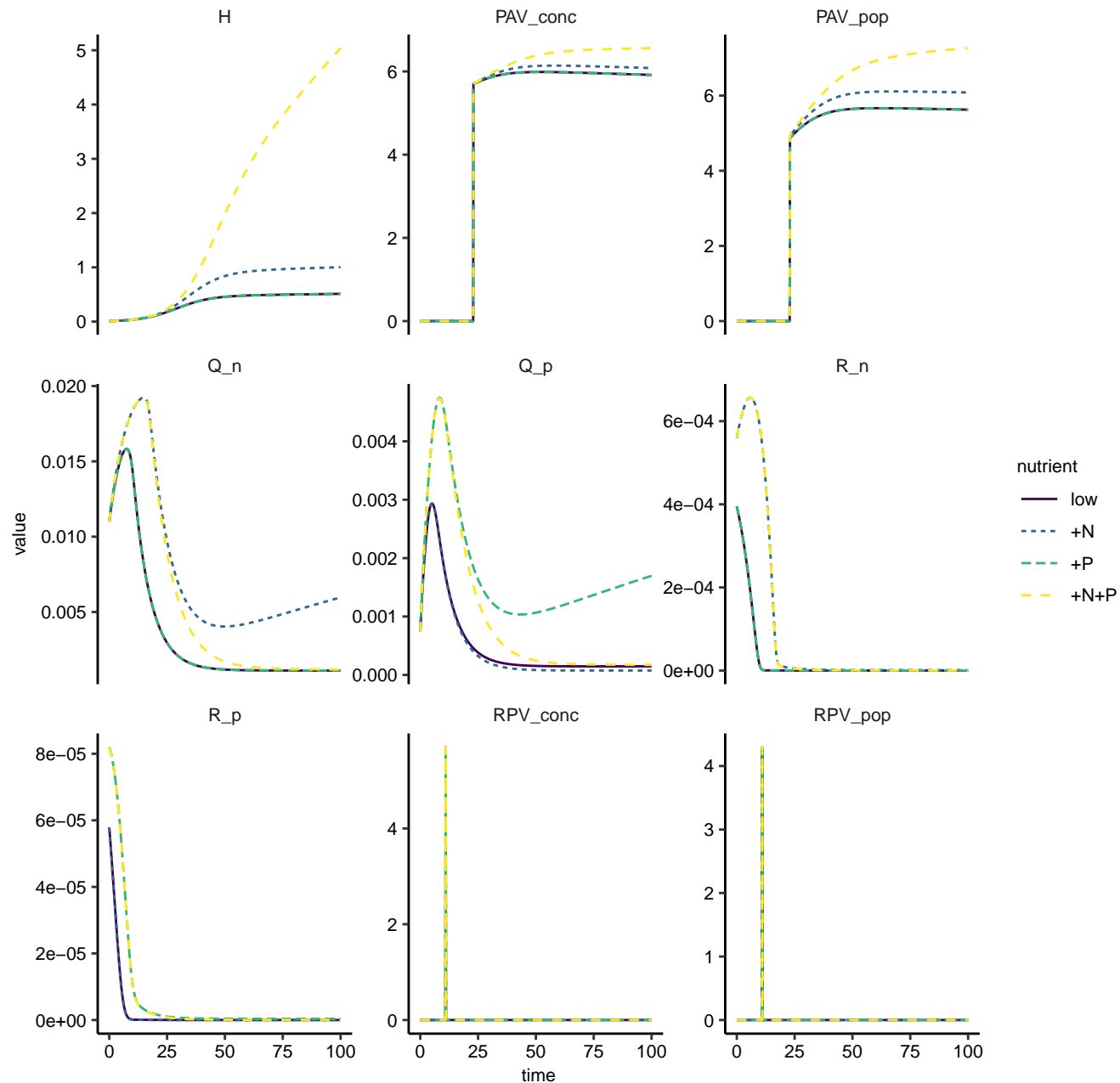
q_nc = 1000; z_nc = 1e-16



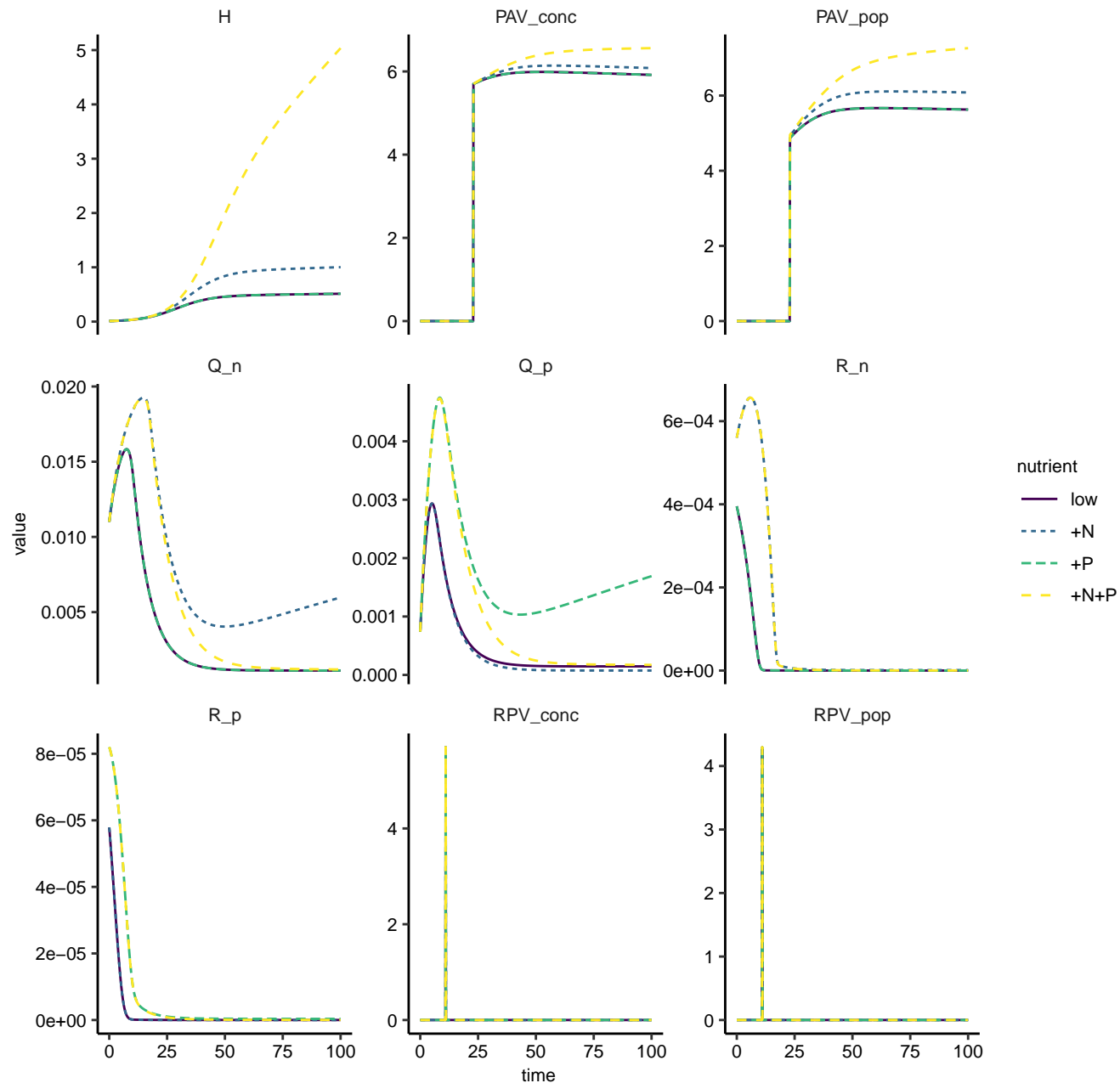
q_nc = 1000; z_nc = 1e-14



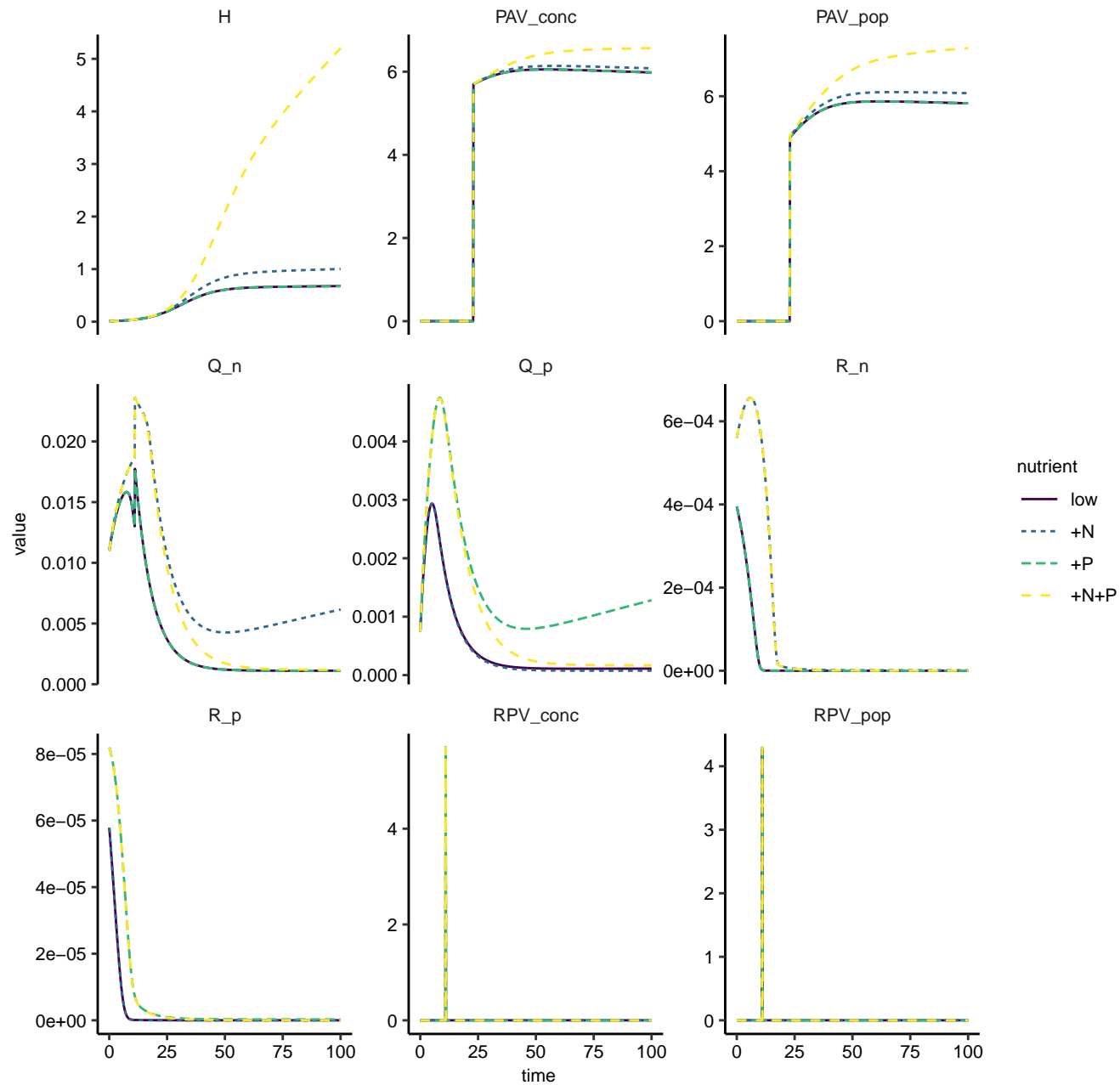
$q_{nc} = 1000$; $z_{nc} = 1e-12$



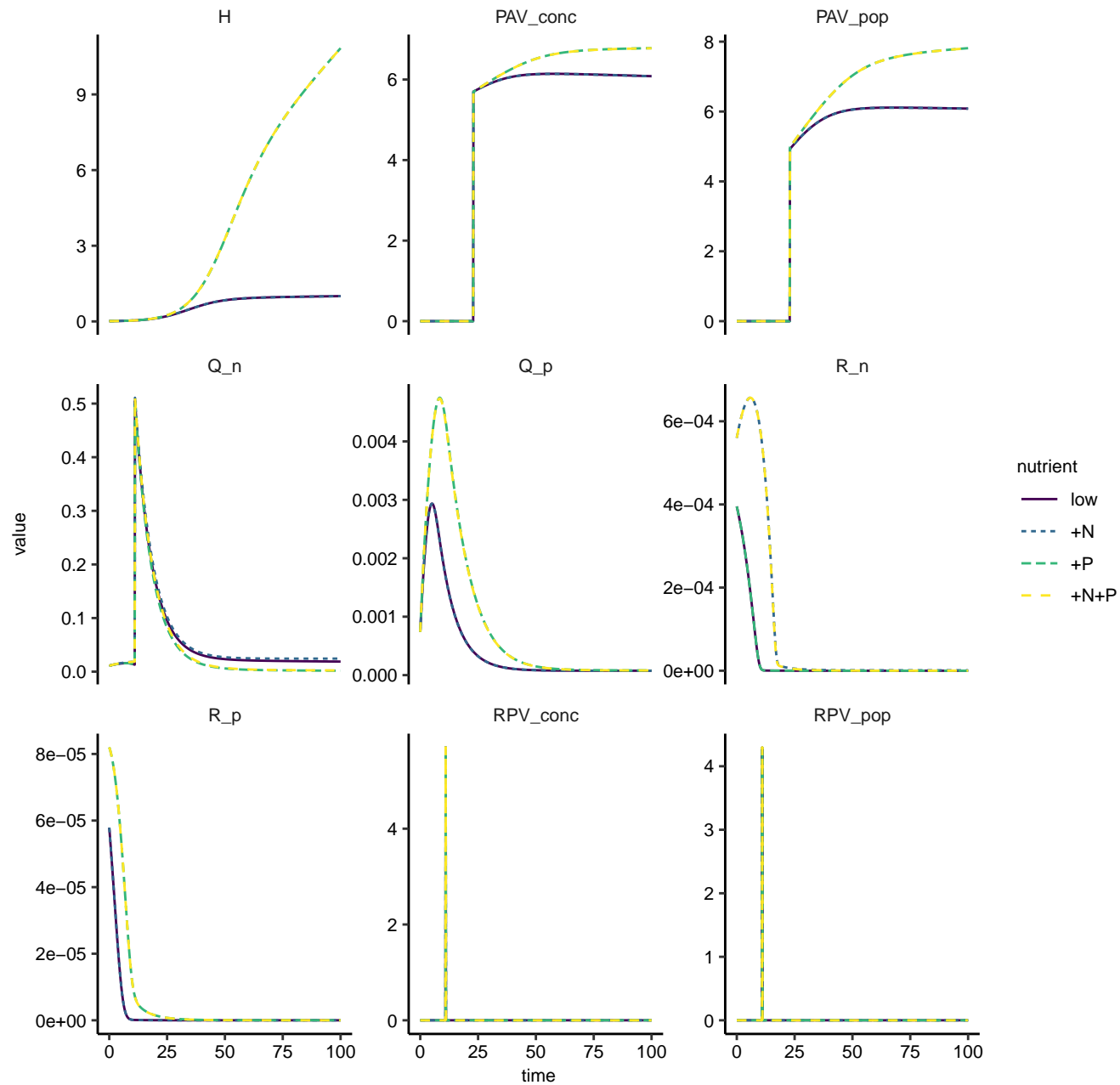
$q_{nc} = 1000$; $z_{nc} = 1e-10$



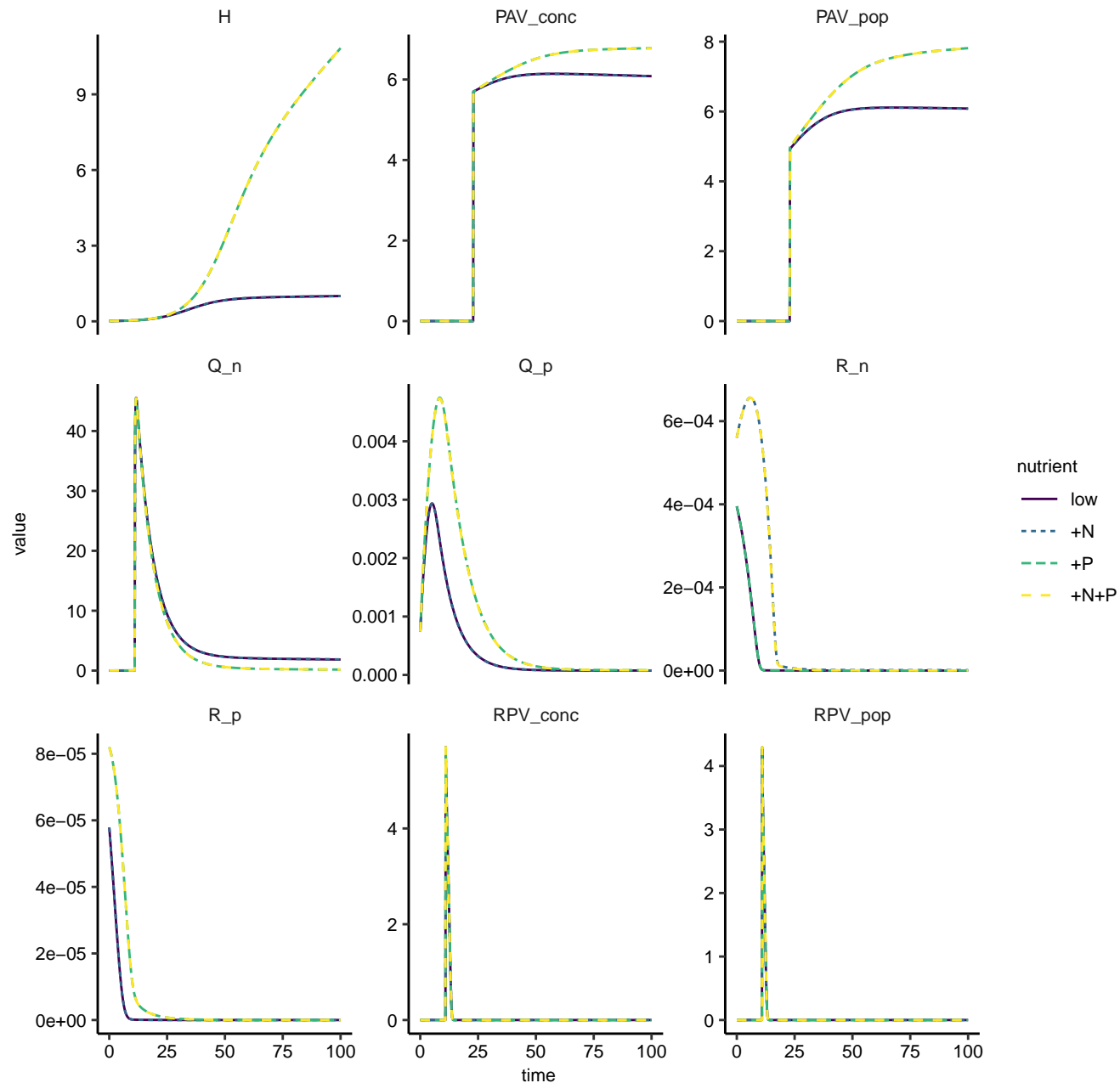
q_nc = 1000; z_nc = 1e-08



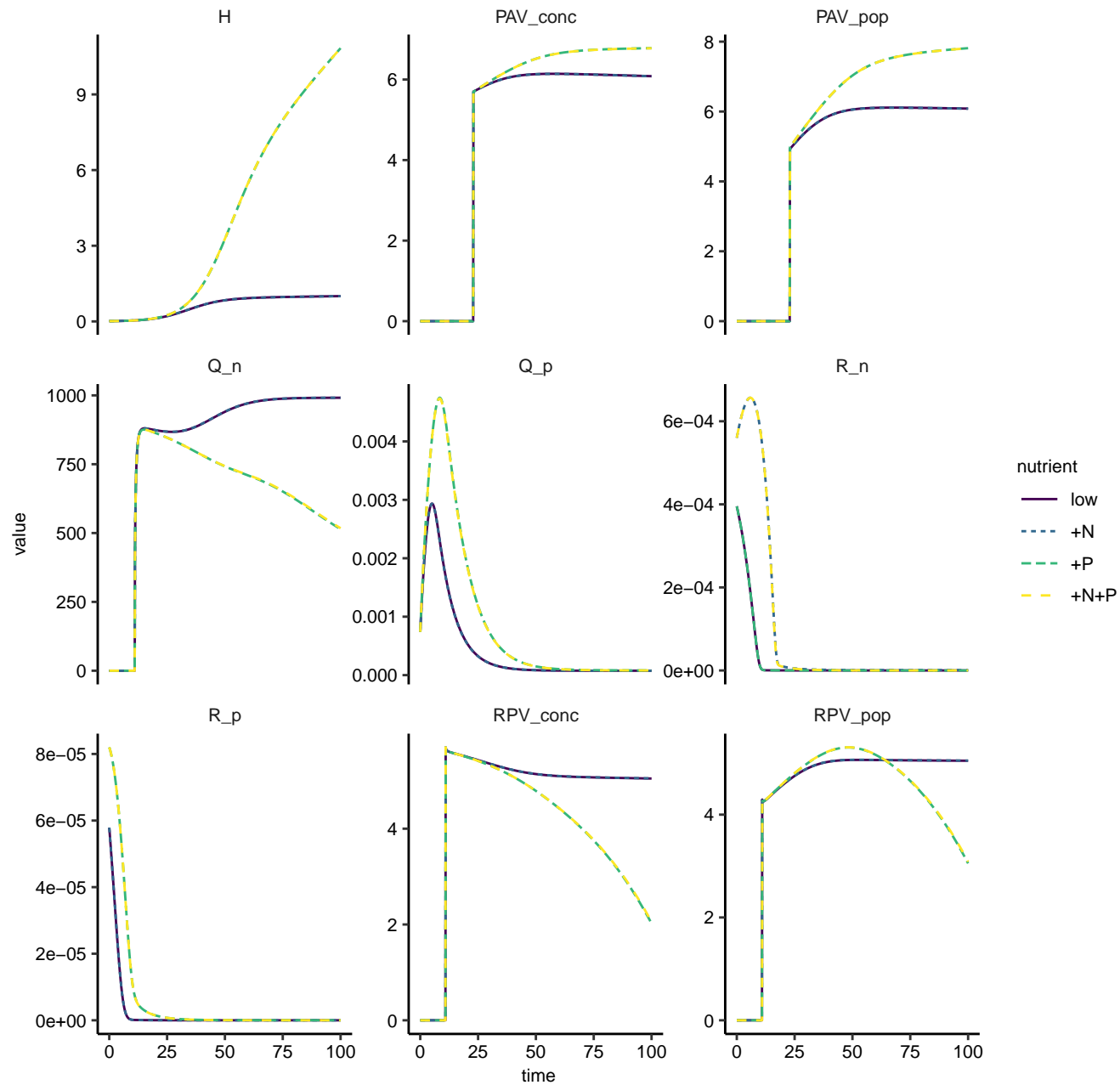
q_nc = 1000; z_nc = 1e-06



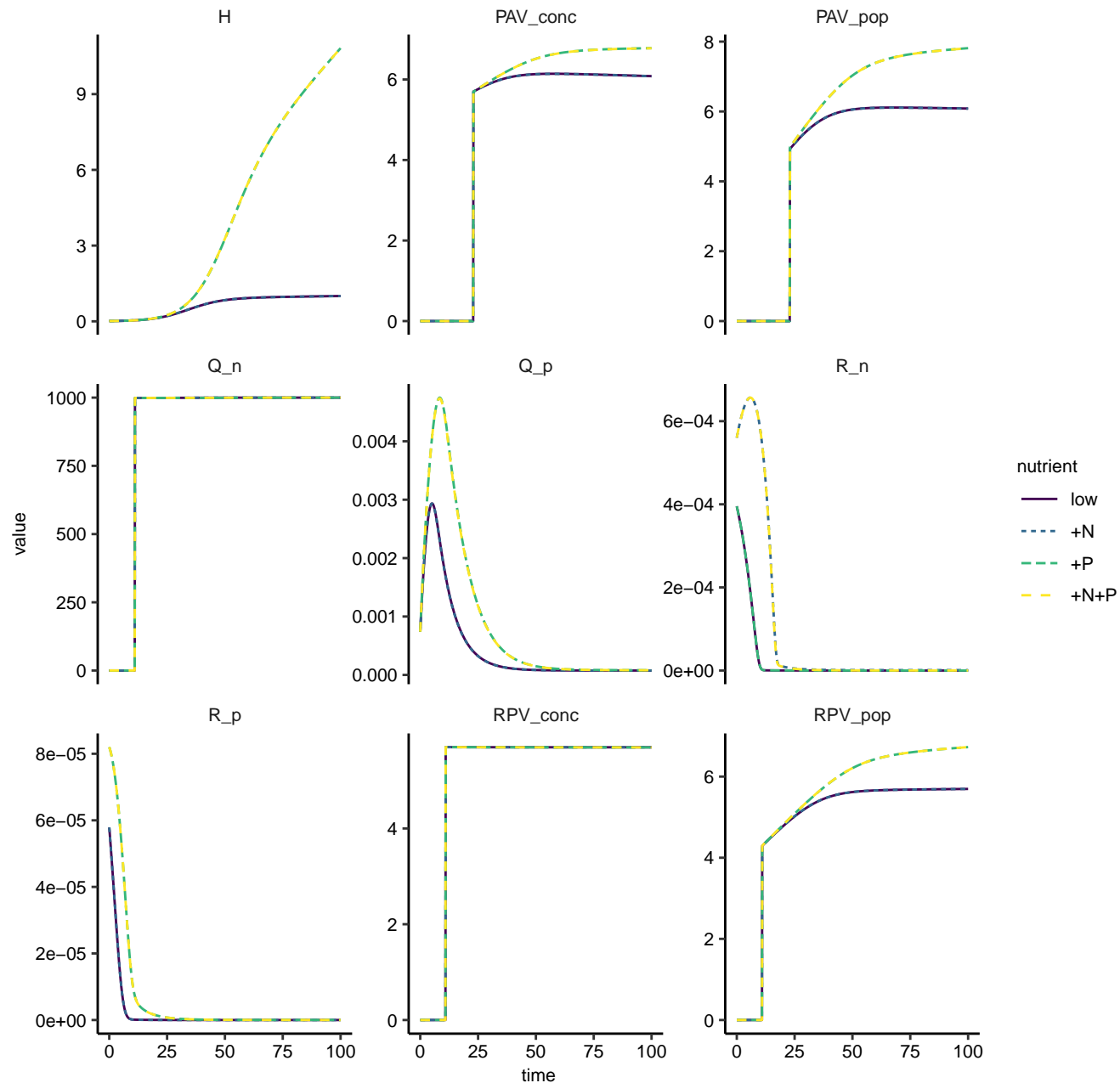
$q_{nc} = 1000$; $z_{nc} = 1e-04$



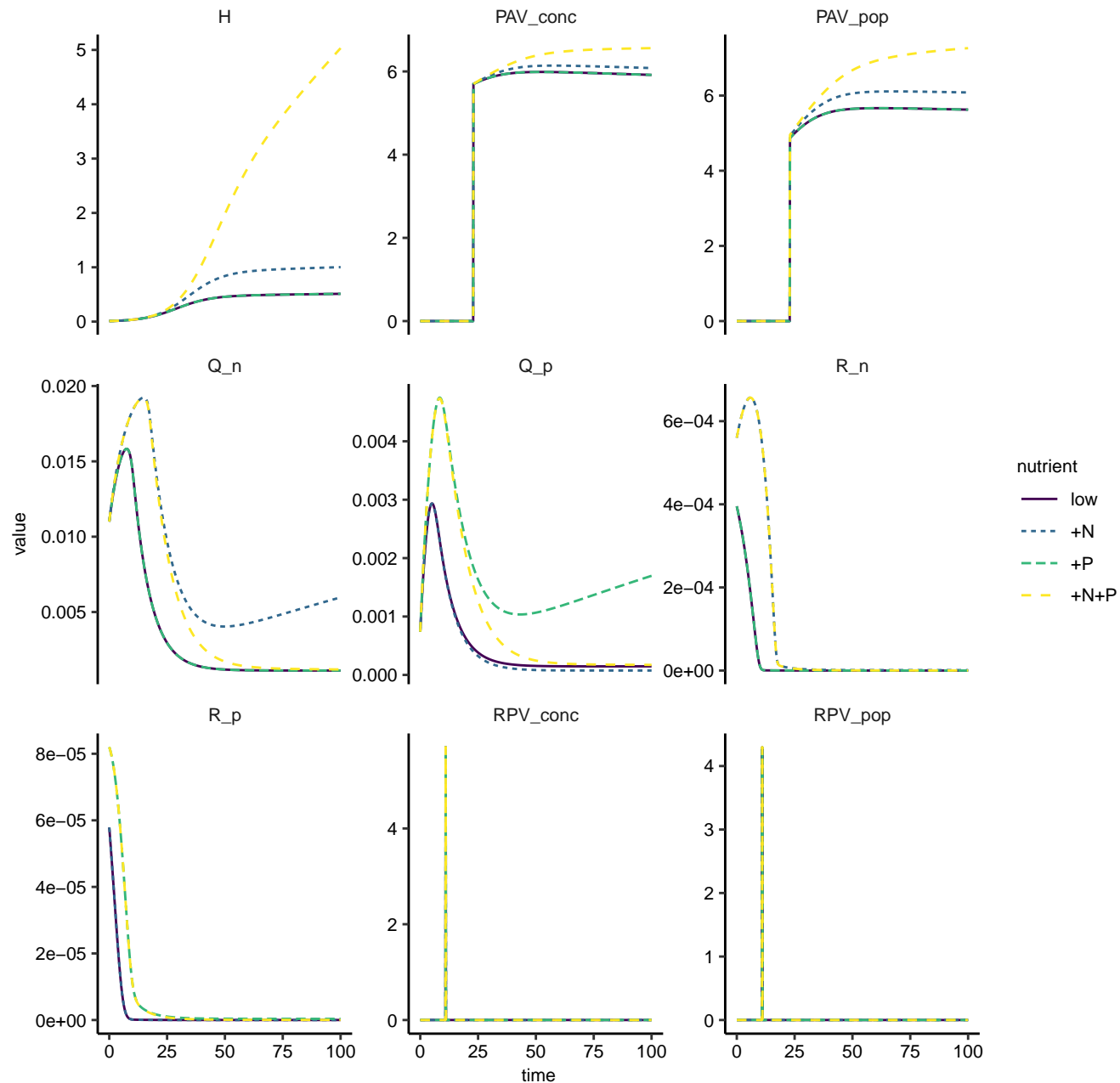
q_nc = 1000; z_nc = 0.01



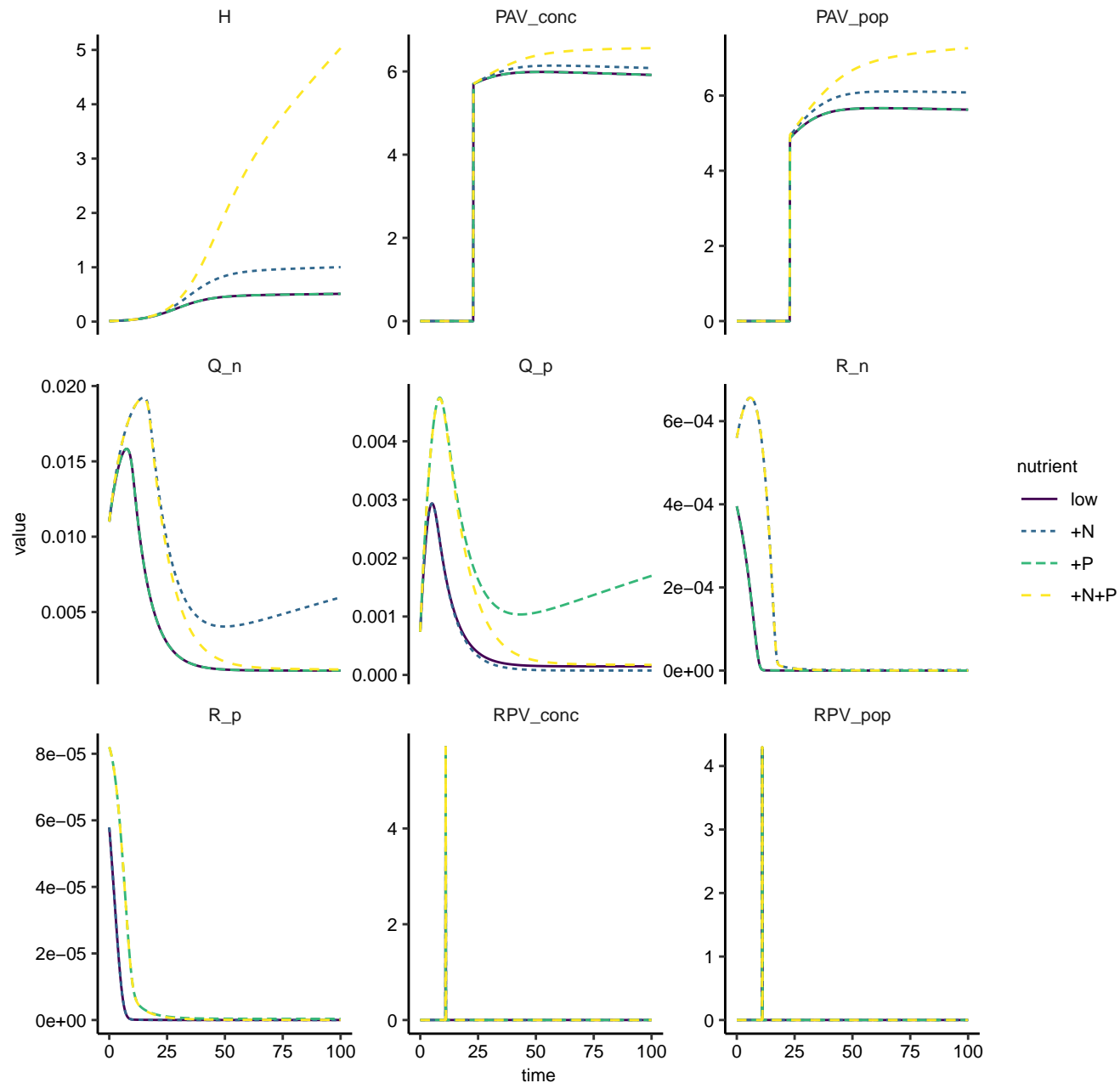
q_nc = 1000; z_nc = 1



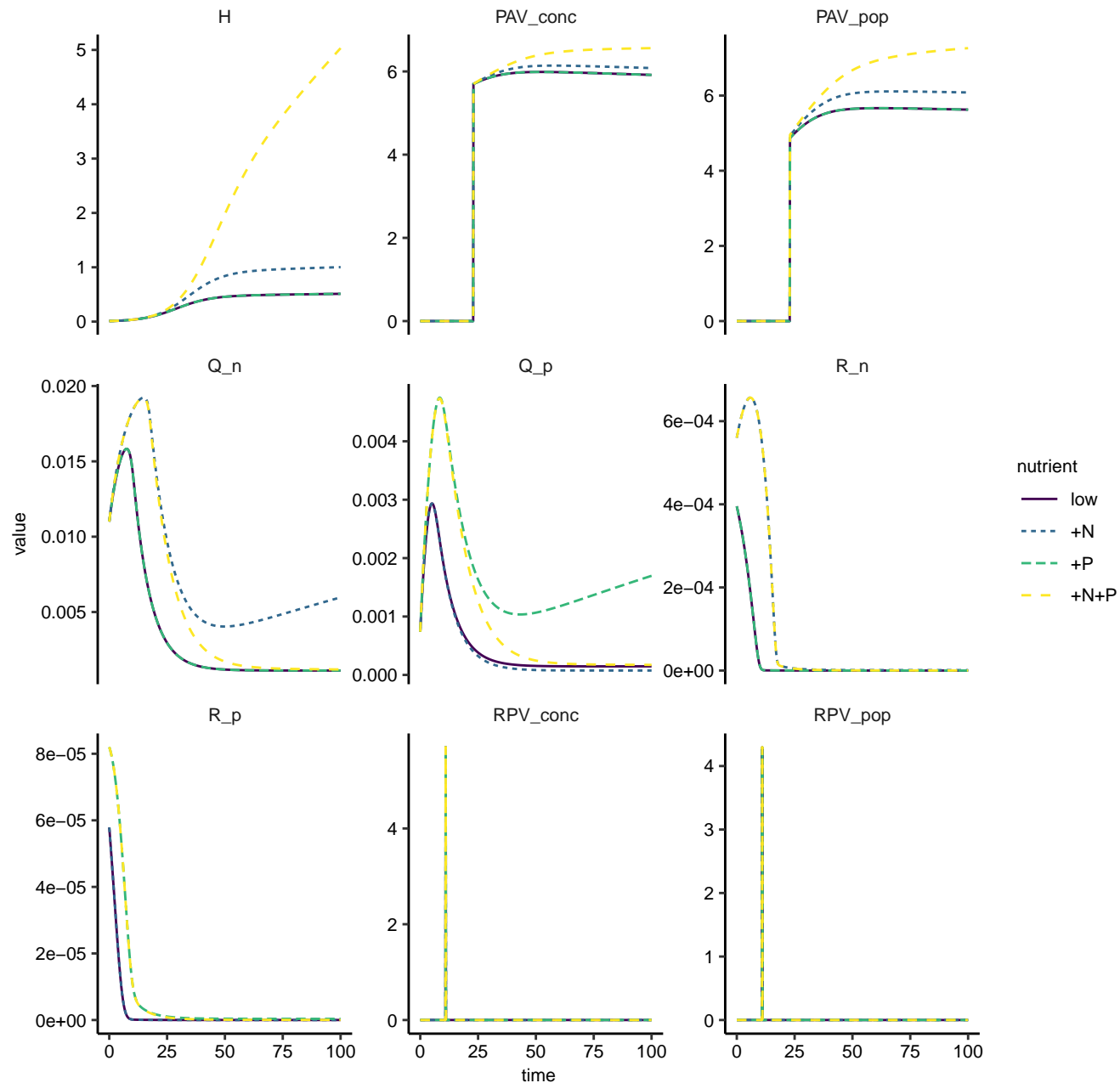
$q_{nc} = 10000$; $z_{nc} = 1e-18$



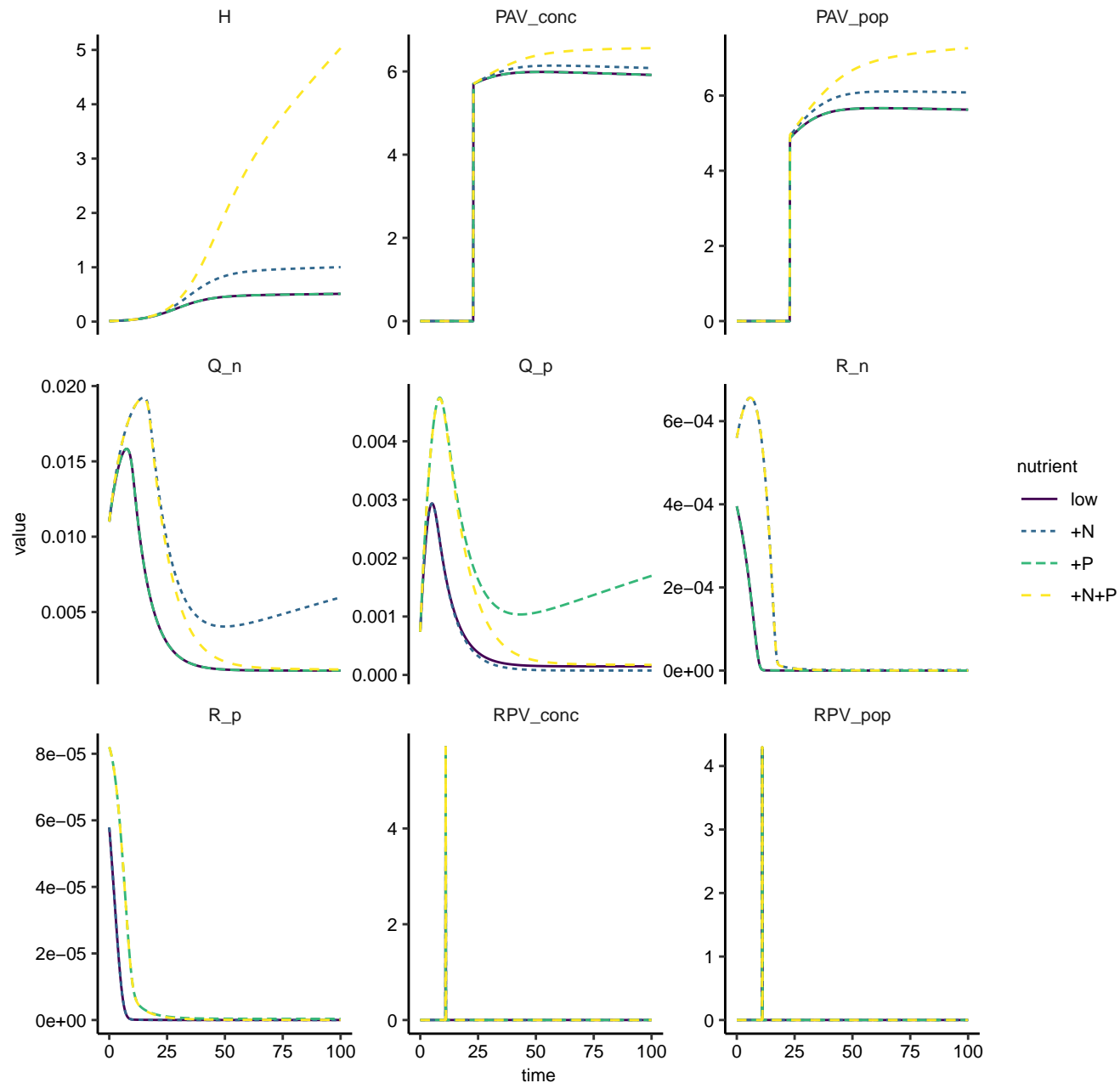
$q_{nc} = 10000$; $z_{nc} = 1e-16$



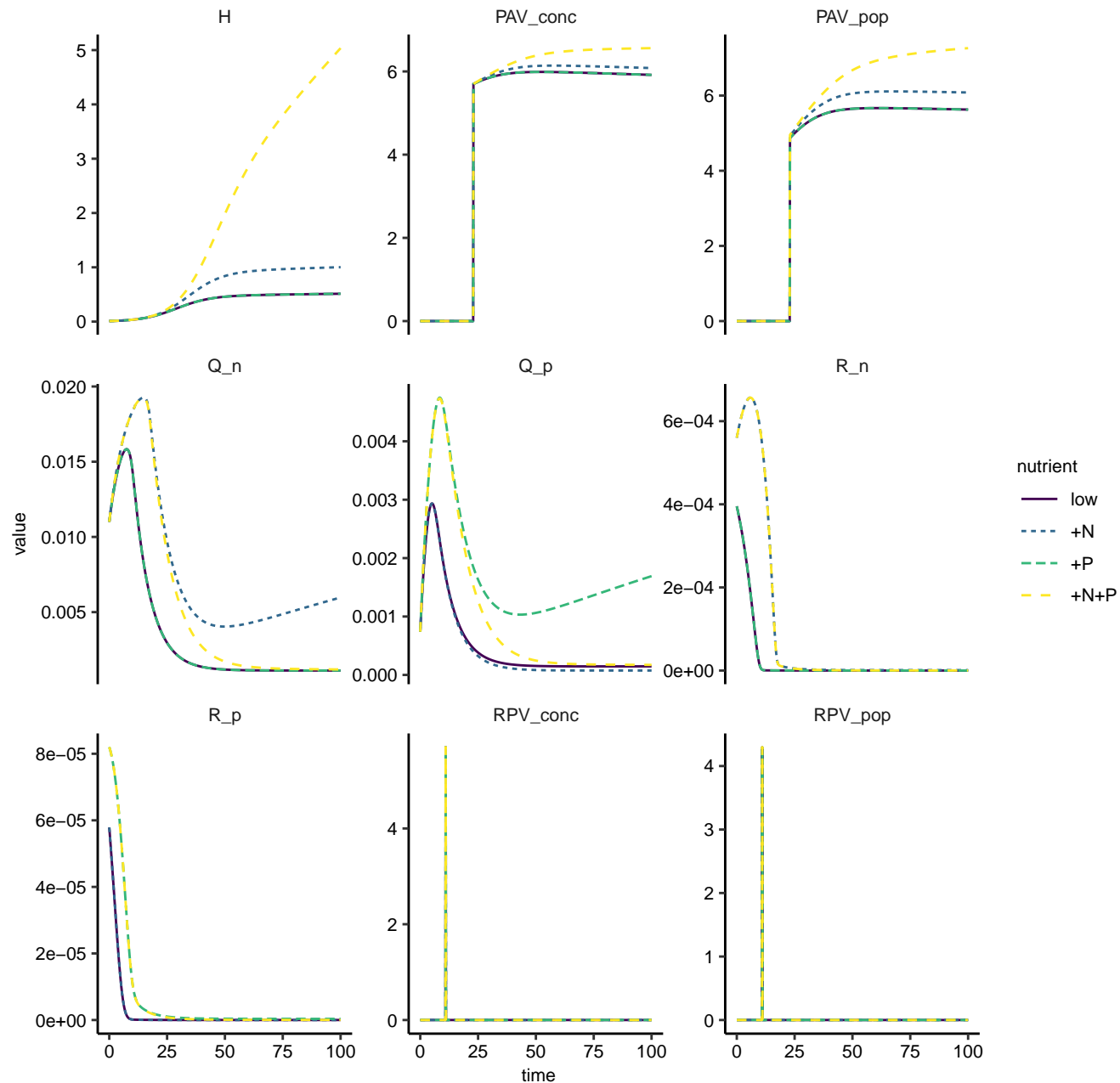
$q_{nc} = 10000$; $z_{nc} = 1e-14$



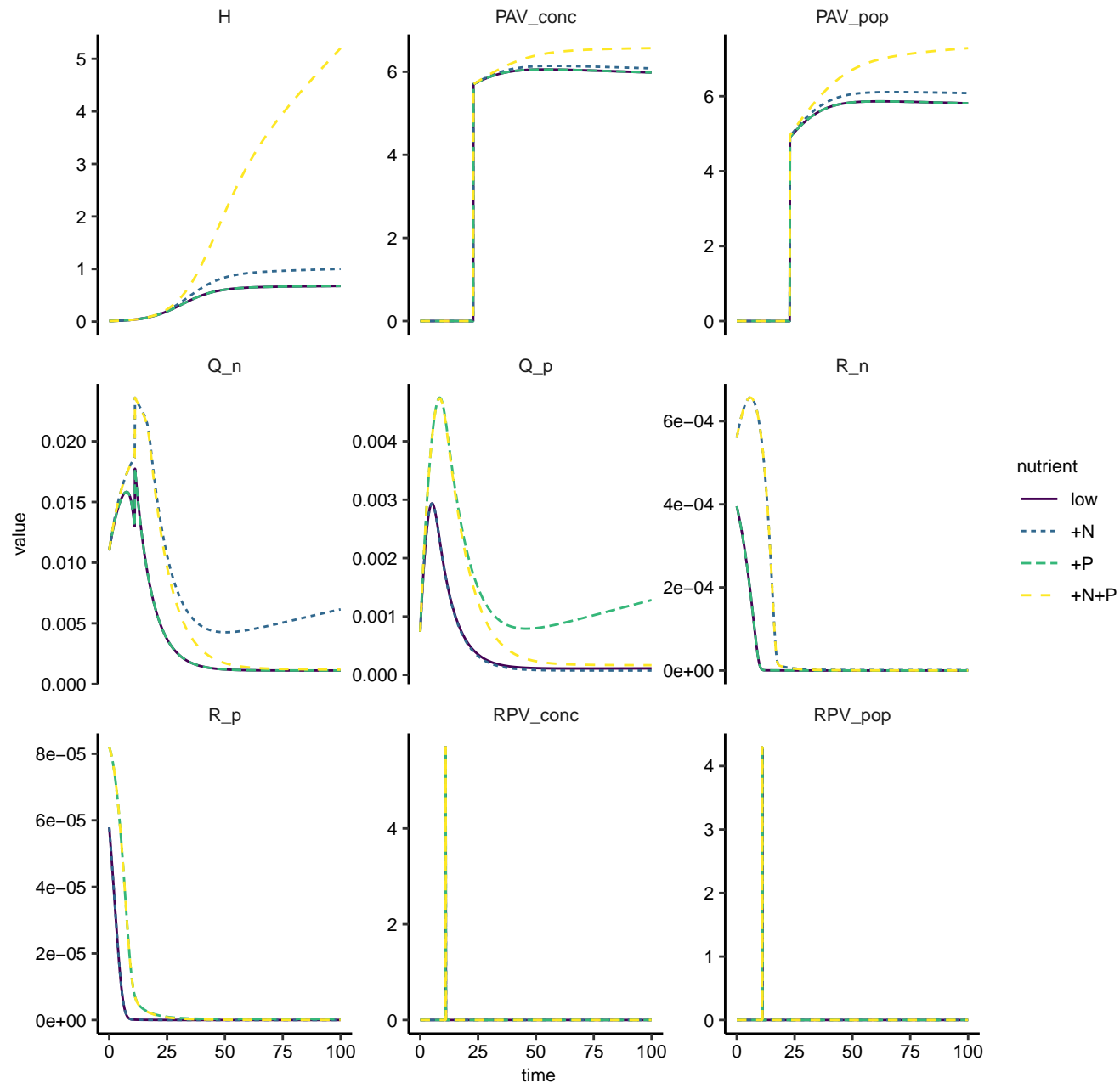
$q_{nc} = 10000$; $z_{nc} = 1e-12$



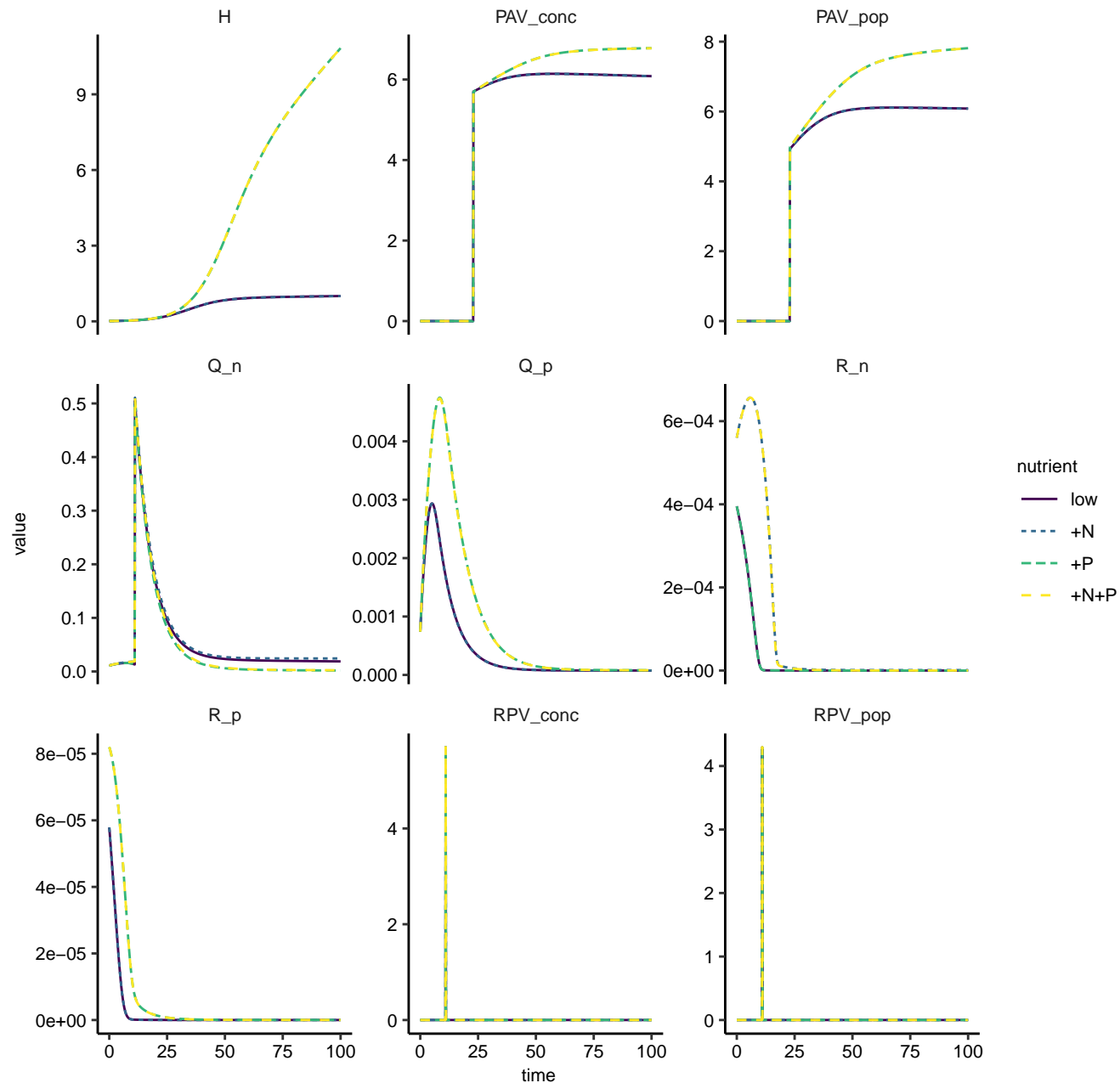
$q_{nc} = 10000$; $z_{nc} = 1e-10$



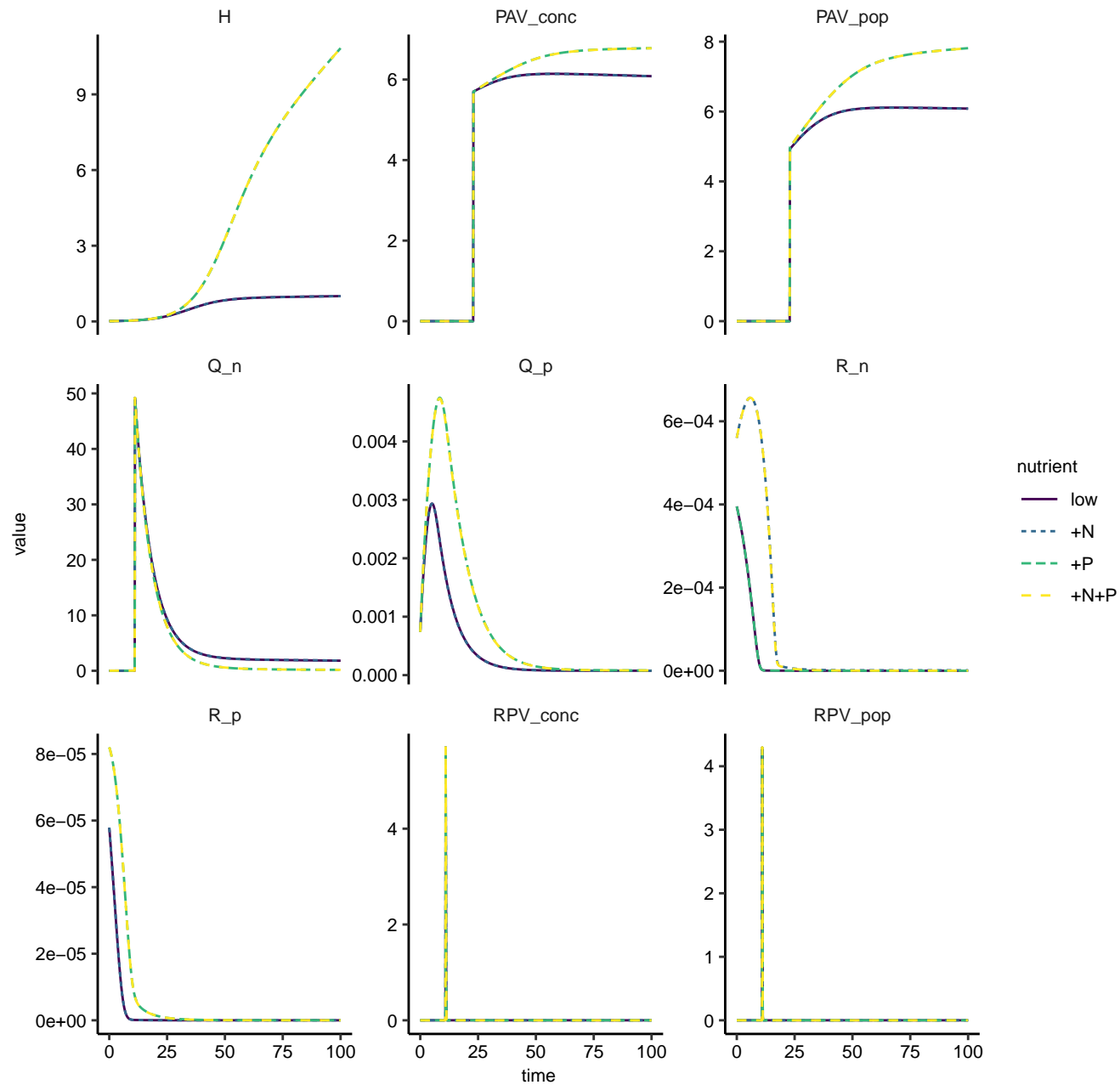
$q_{nc} = 10000$; $z_{nc} = 1e-08$



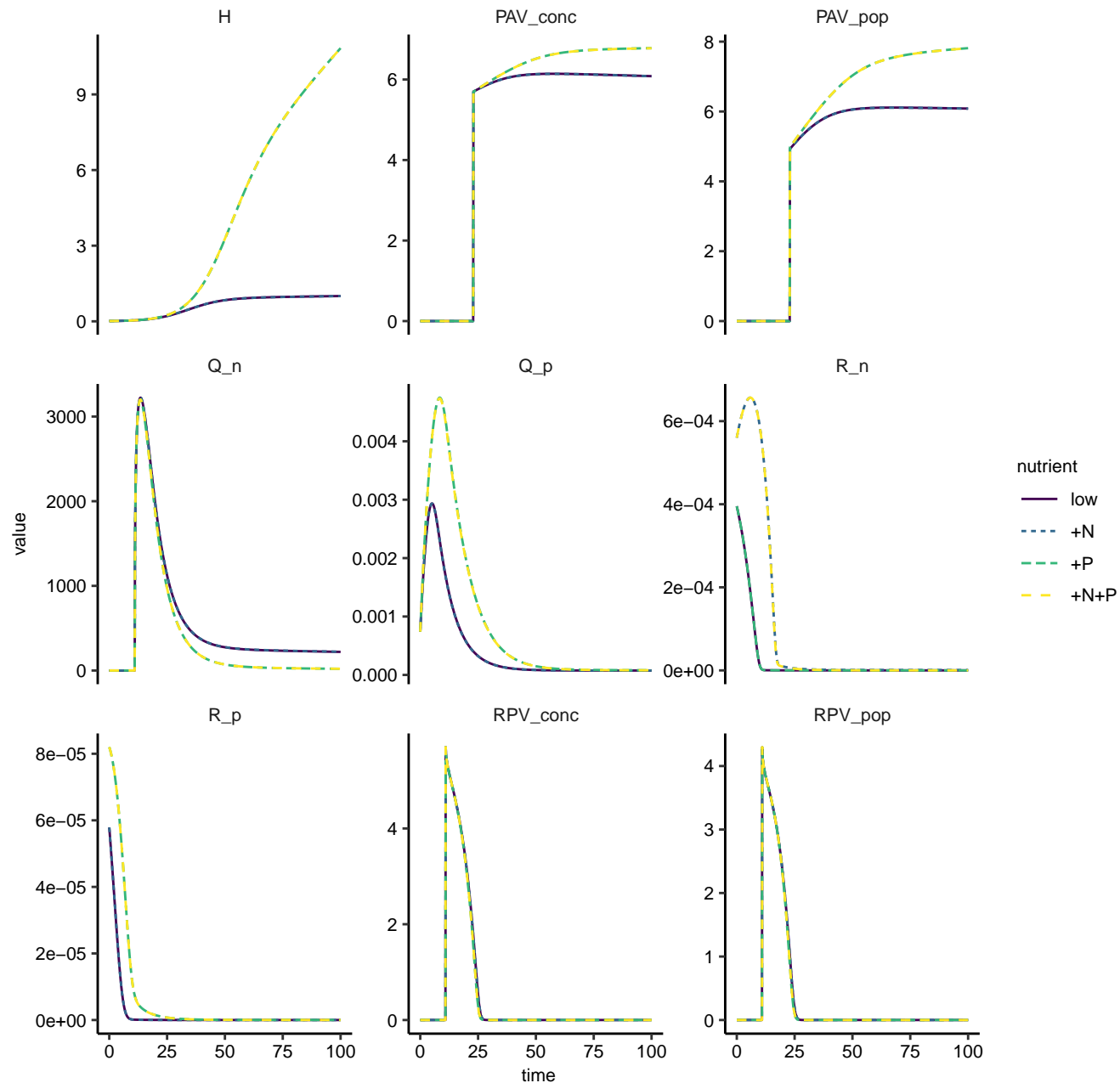
$q_{nc} = 10000$; $z_{nc} = 1e-06$



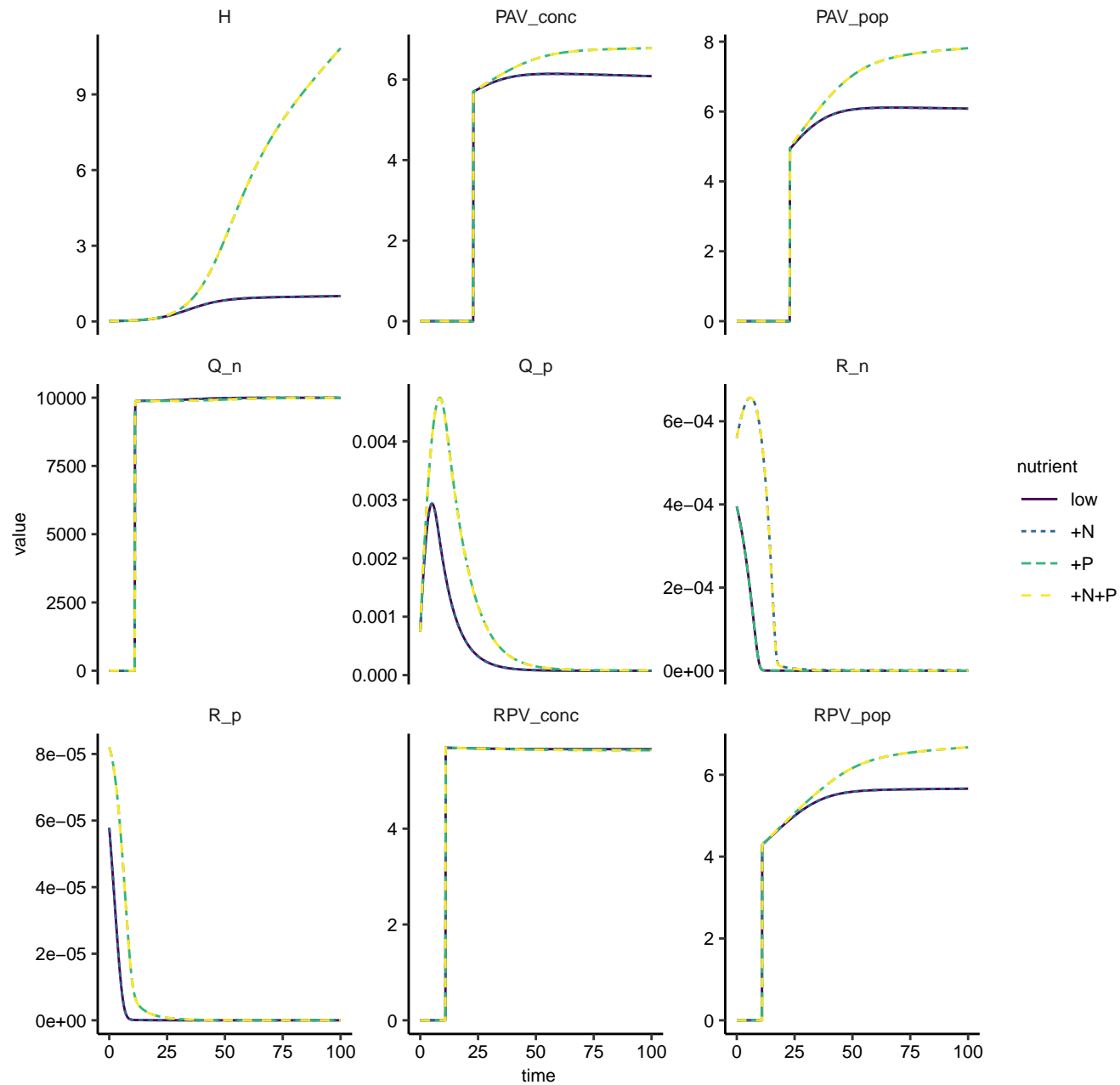
$q_{nc} = 10000$; $z_{nc} = 1e-04$



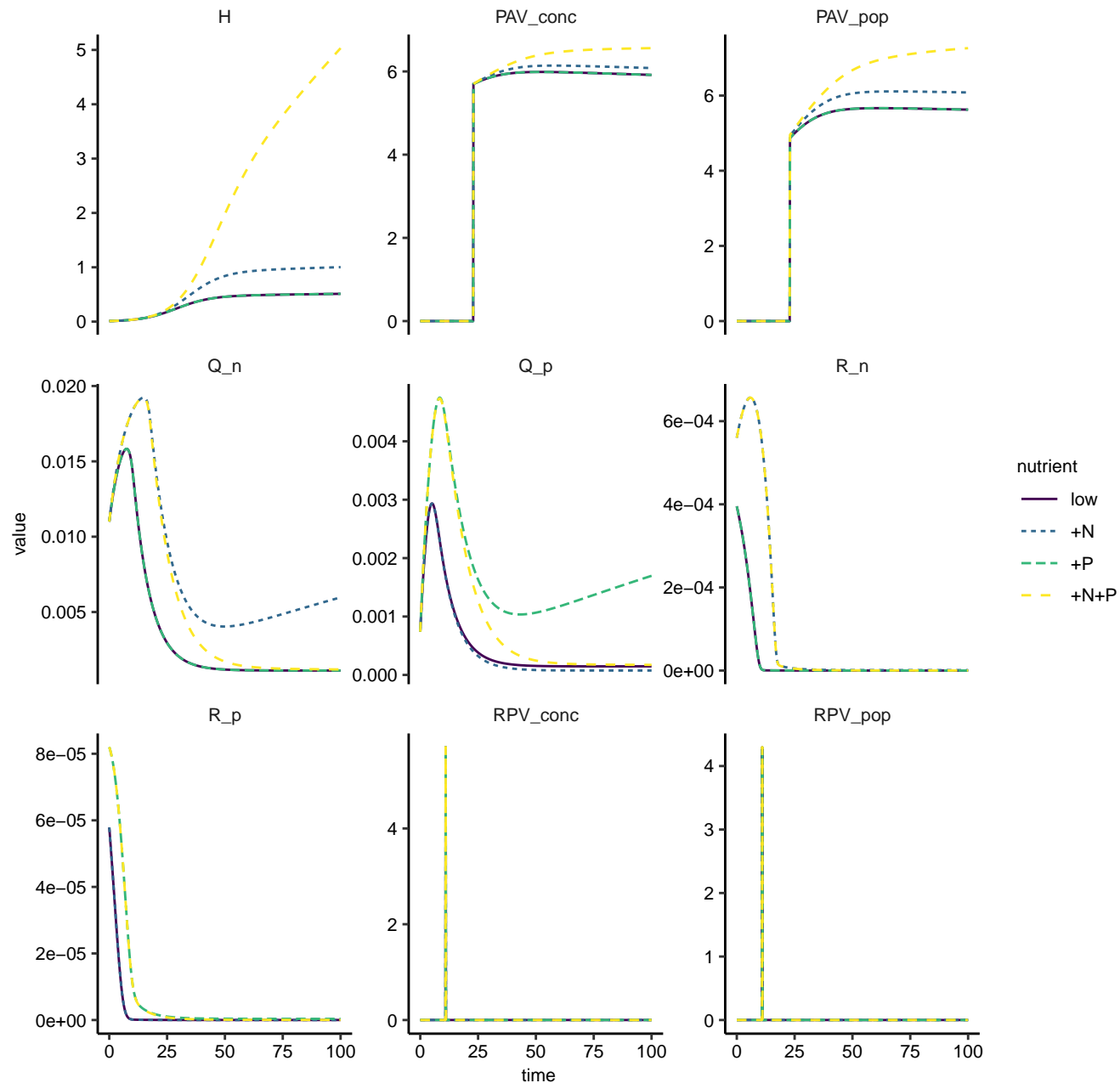
$q_{nc} = 10000$; $z_{nc} = 0.01$



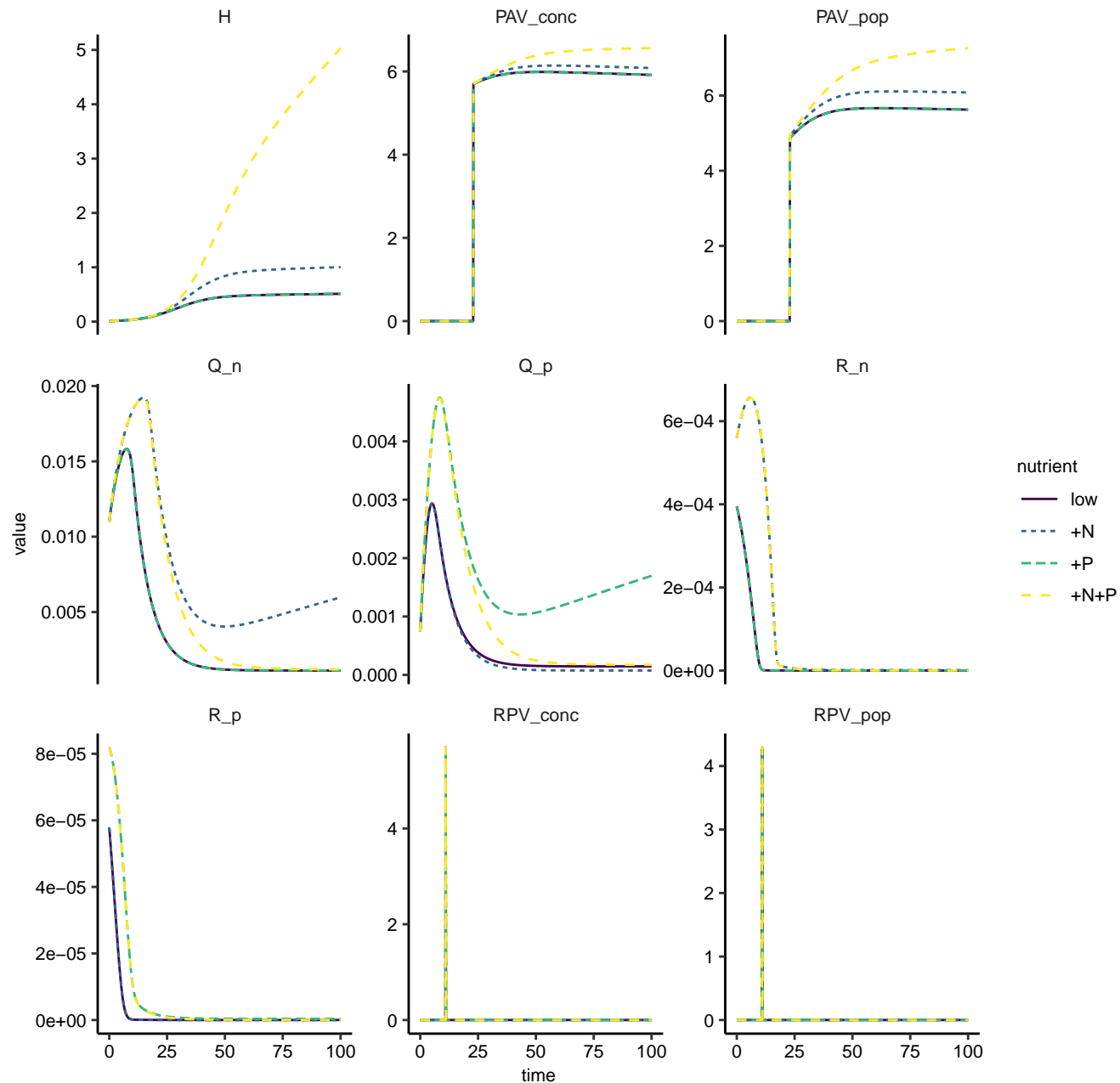
q_nc = 10000; z_nc = 1



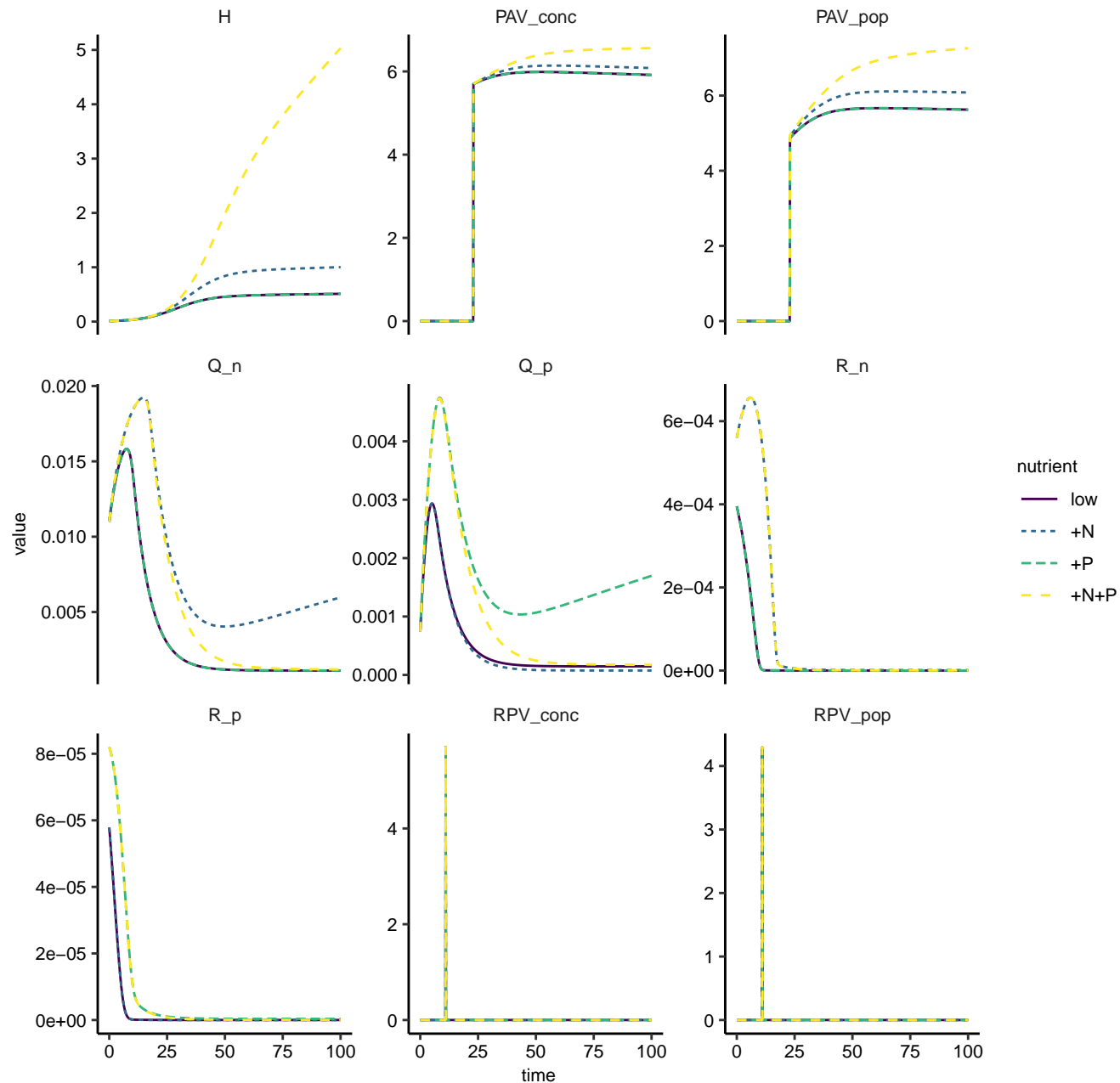
$q_{nc} = 1e+05$; $z_{nc} = 1e-18$



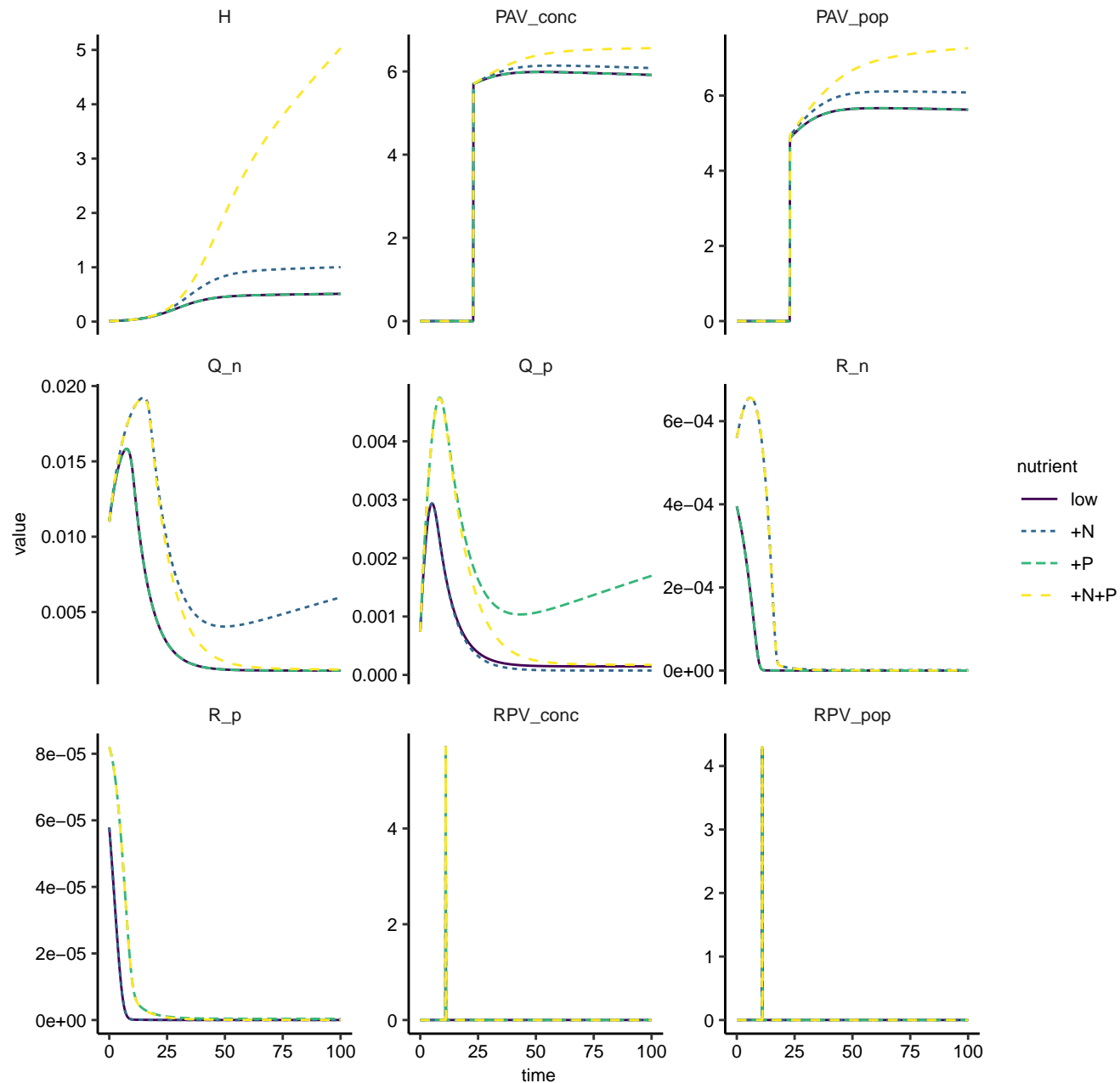
$q_{nc} = 1e+05$; $z_{nc} = 1e-16$



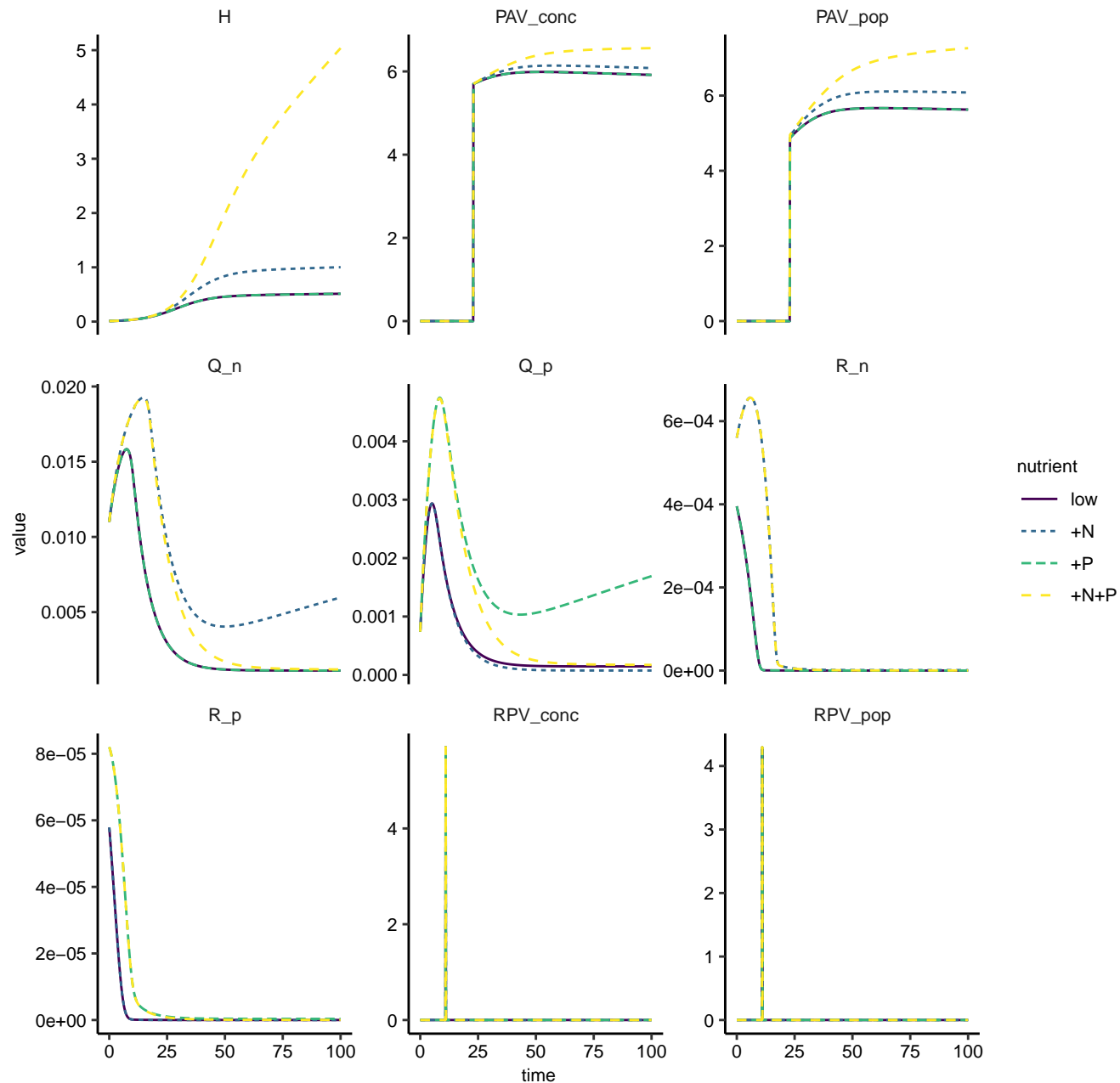
$q_{nc} = 1e+05$; $z_{nc} = 1e-14$



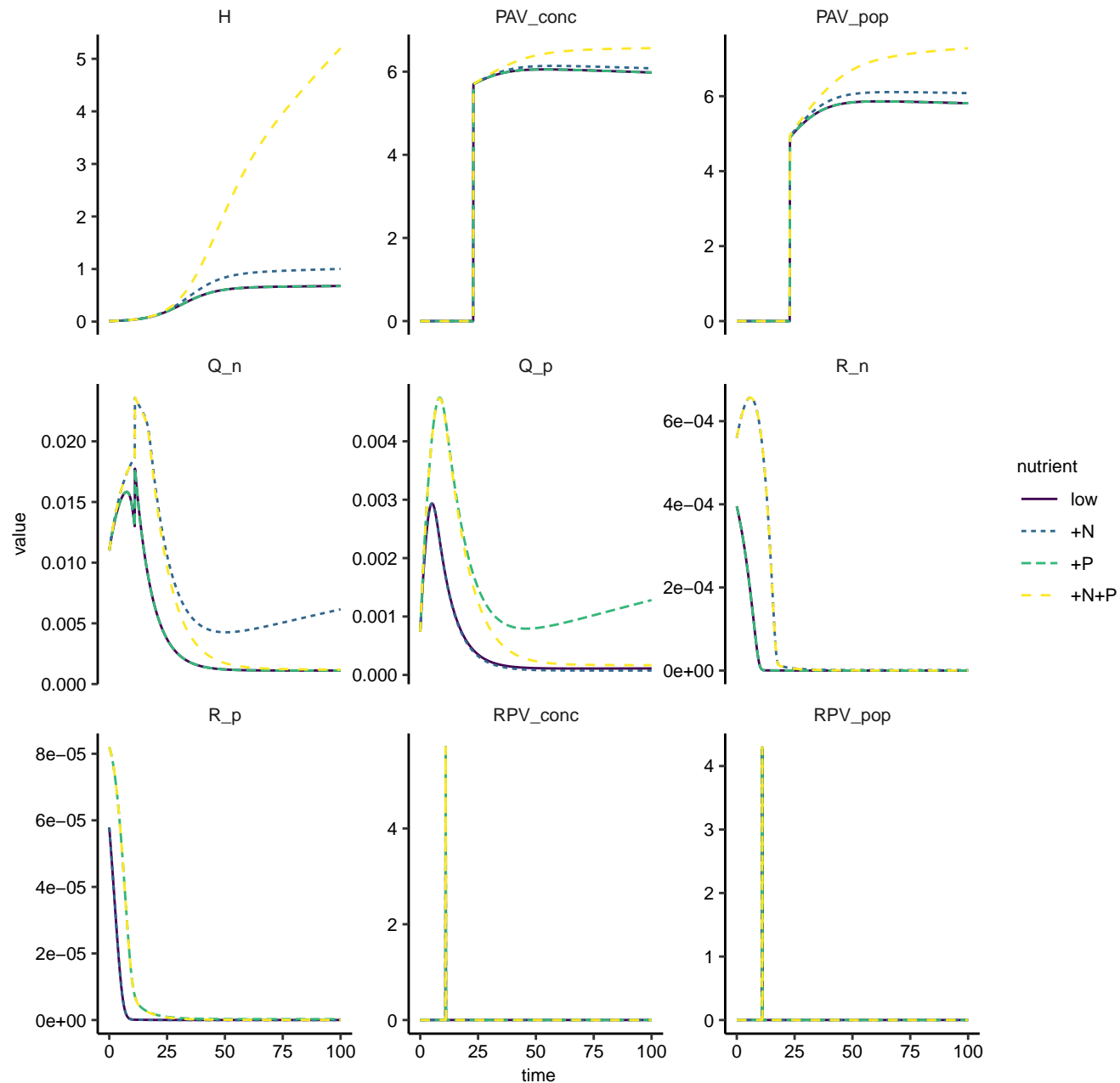
$q_{nc} = 1e+05$; $z_{nc} = 1e-12$



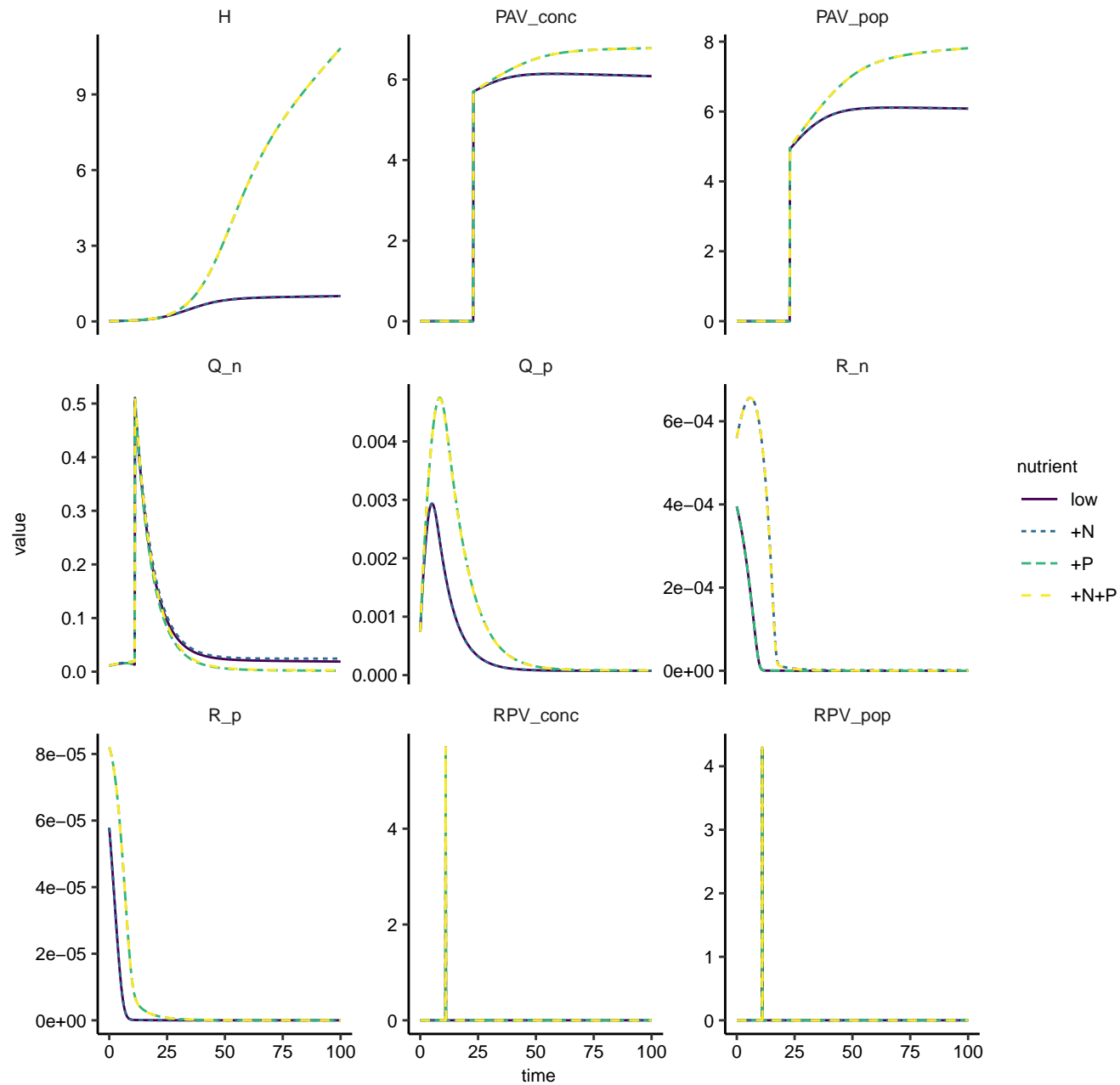
$q_{nc} = 1e+05$; $z_{nc} = 1e-10$



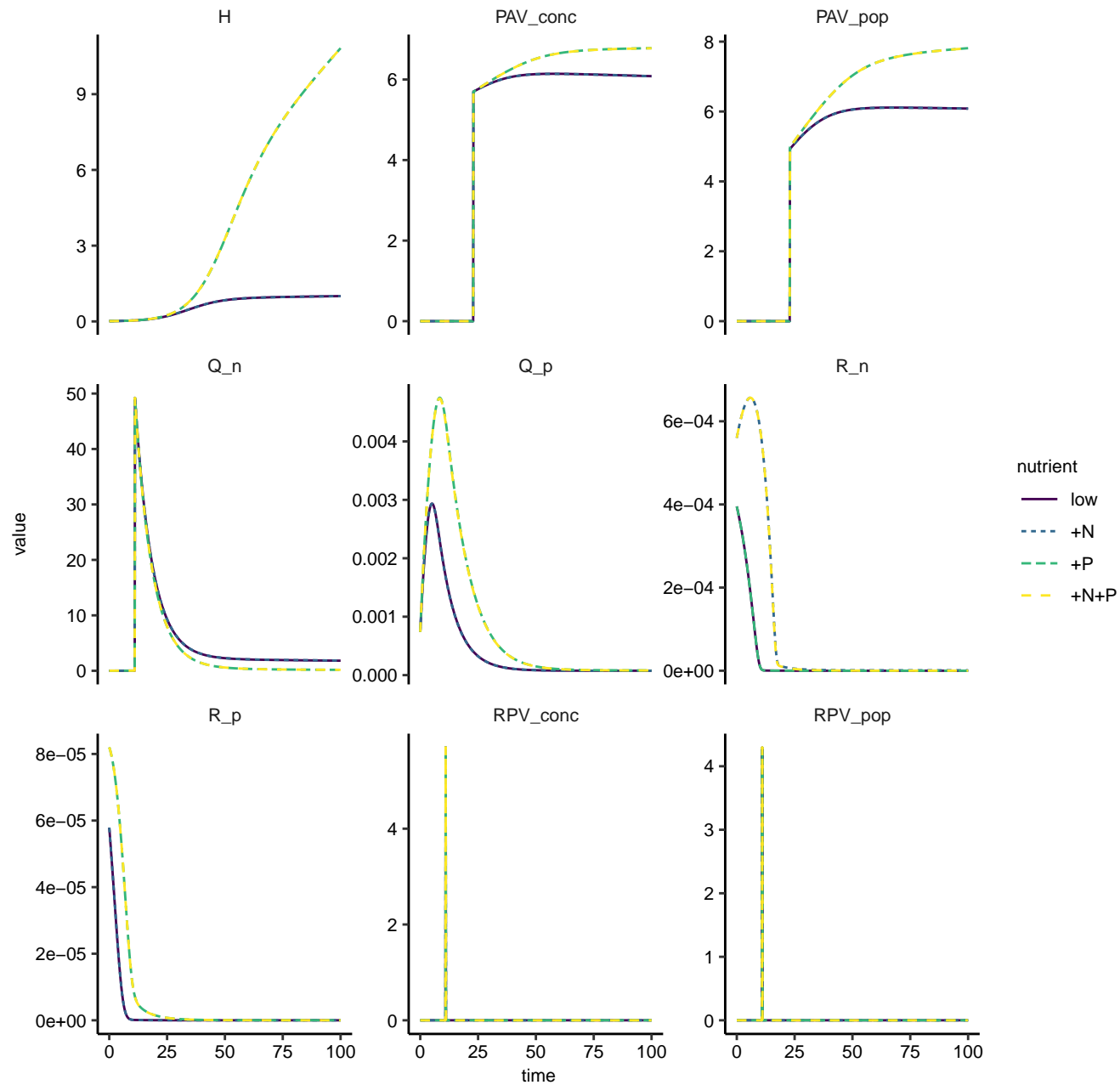
$q_{nc} = 1e+05$; $z_{nc} = 1e-08$



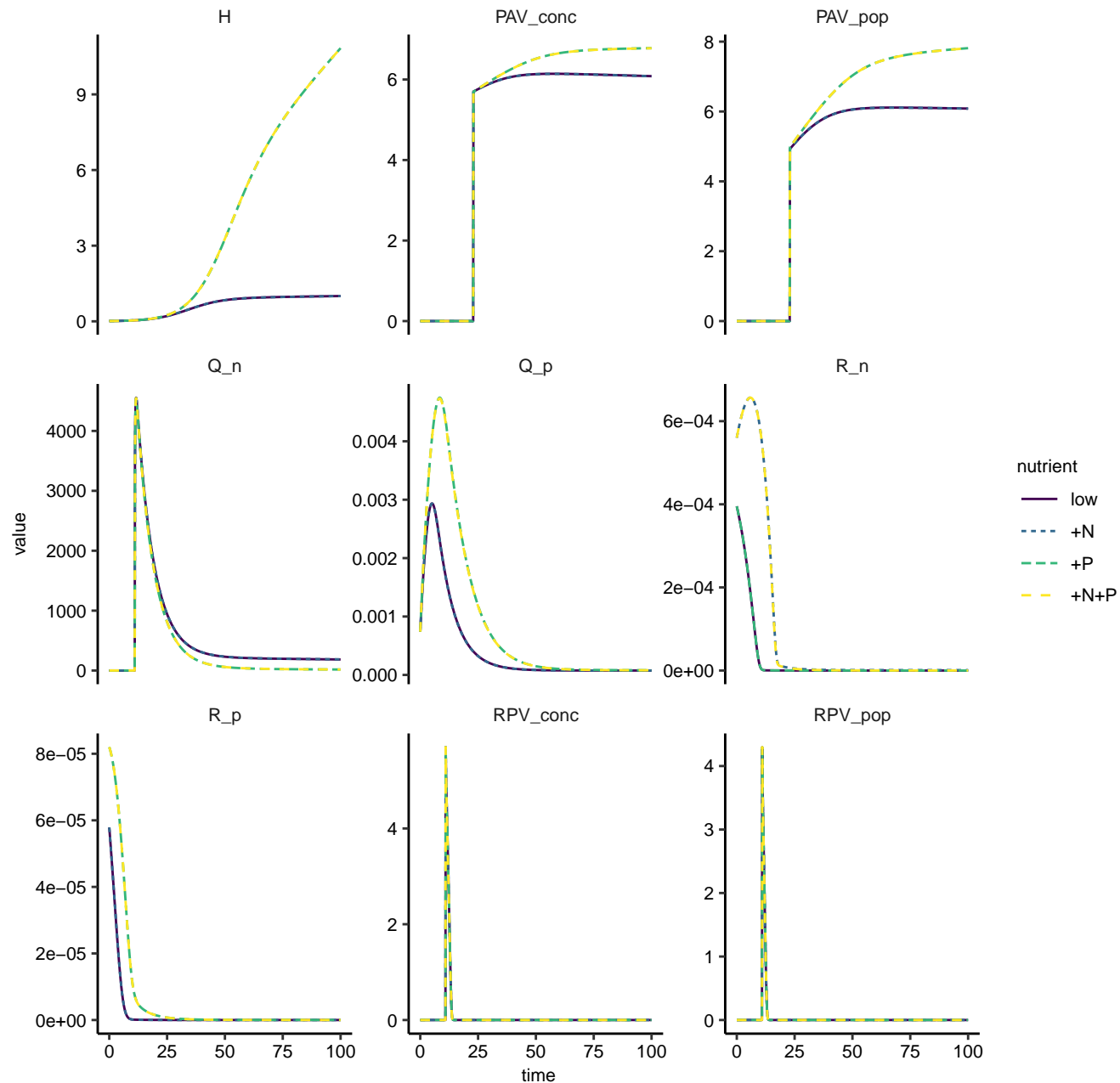
$q_{nc} = 1e+05$; $z_{nc} = 1e-06$



$q_{nc} = 1e+05$; $z_{nc} = 1e-04$



$q_{nc} = 1e+05$; $z_{nc} = 0.01$



$q_{nc} = 1e+05$; $z_{nc} = 1$

