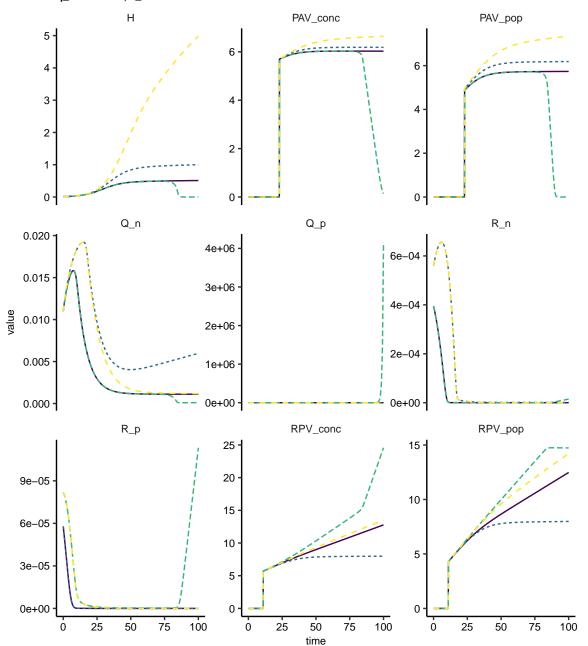
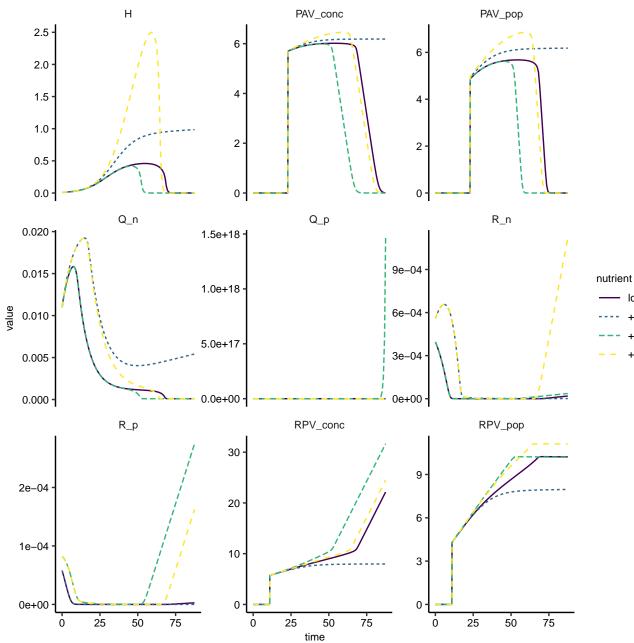
q_nc = 1e-04; z_nc = 1e-18



low

+N

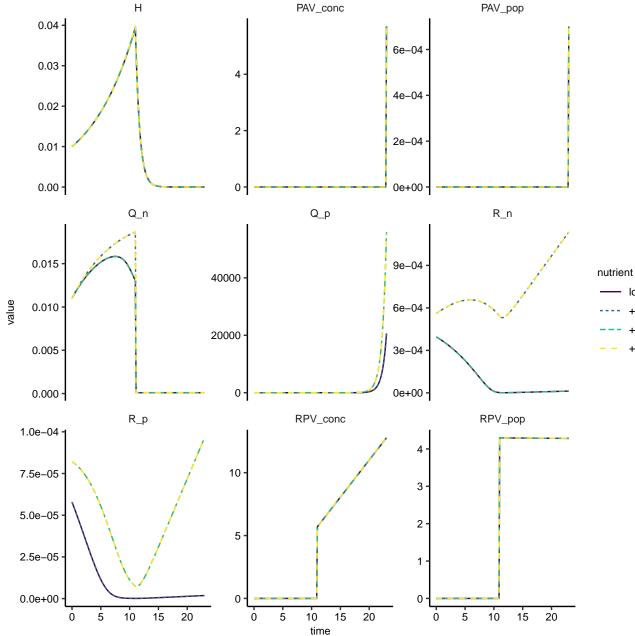
q_nc = 1e-04; z_nc = 3.16227766016838e-14



q_nc = 1e-04; z_nc = 1e-09 PAV_conc PAV_pop 6 7 5 0.20 4 0.15 4 3 0.10 2 · 2 0.05 1 0.00 Q_n Q_p R_n 0.0015 0.015 4e+15 · nutrient 0.0010 value 0.010 2e+15 -0.0005 +N+P 0.005 0.000 0e+00 -0.0000 -RPV_conc R_p RPV_pop 0.00025 25 0.00020 20 0.00015 15 · 0.00010 -10 2 0.00005 5 · 0.00000 30 10 20 30 40 50 Ö 10 20 40 50 0 10 20 30 40 50

time

q_nc = 1e-04; z_nc = 3.16227766016838e-05

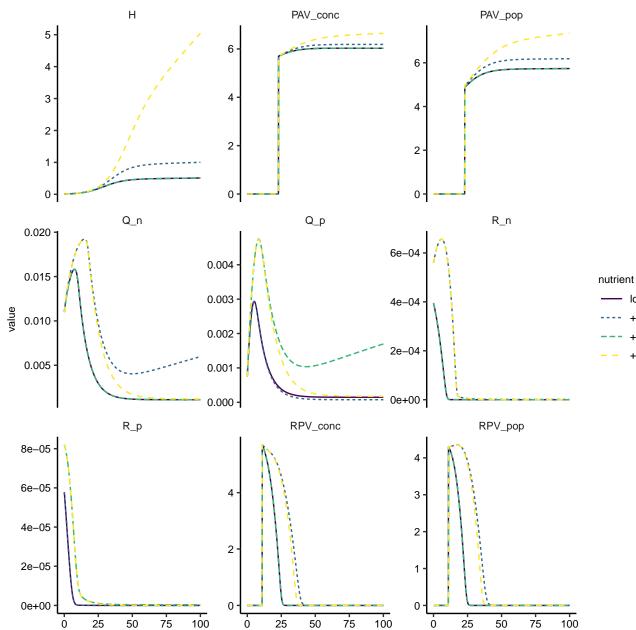


+N

q_nc = 1e-04; z_nc = 1 Н PAV_conc PAV_pop 8 -6 9 -6 4 6 -4 2 3 -2 0 Q_n Q_p R_n 0e+00 6e-04 0.004 -1e+09 nutrient -2e+09 -0.003 low 4e-04 +N 0.002 -3e+09 2e-04 +N+P 0.001 -4e+09 0e+00 0.000 -5e+09 **-**RPV_pop R_p RPV_conc 10.0 8e-05 9 7.5 -6e-05 -6 5.0 4e-05 -3 2.5 -2e-05 -0e+00 0.0 25 100 25 50 75 25 50 . 75 100 50 75 0 100 Ö

time

q_nc = 0.0177827941003892; z_nc = 1e-18

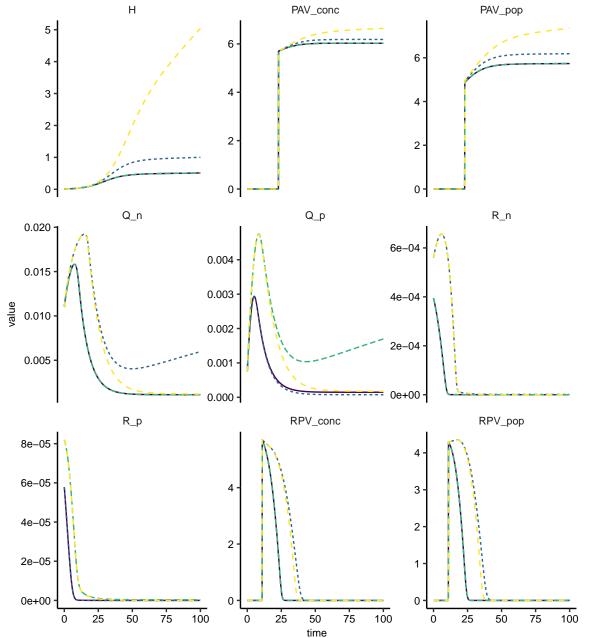


time

low

+N

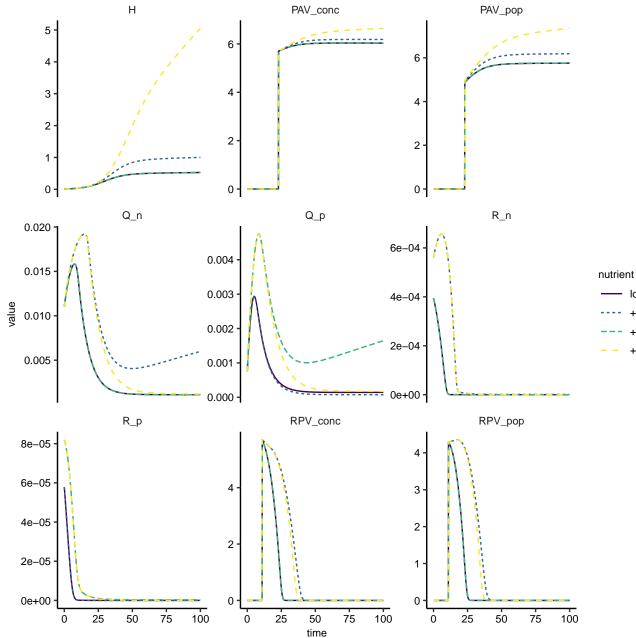
q_nc = 0.0177827941003892; z_nc = 3.16227766016838e-14



low

+N

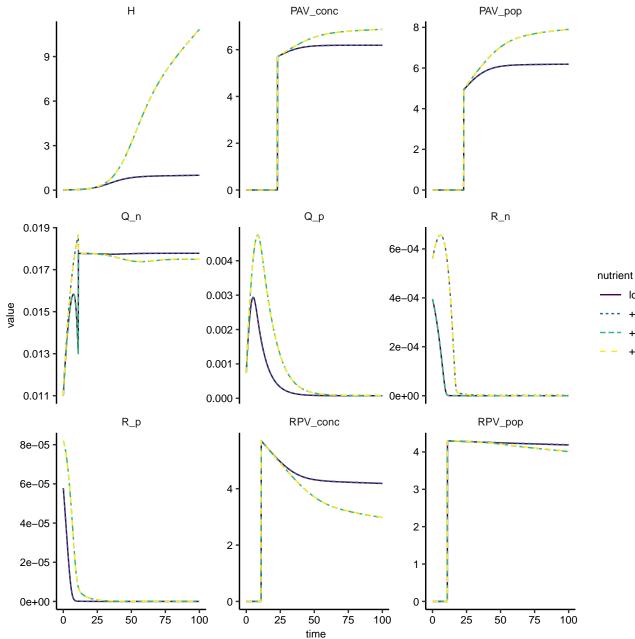
q_nc = 0.0177827941003892; z_nc = 1e-09



low

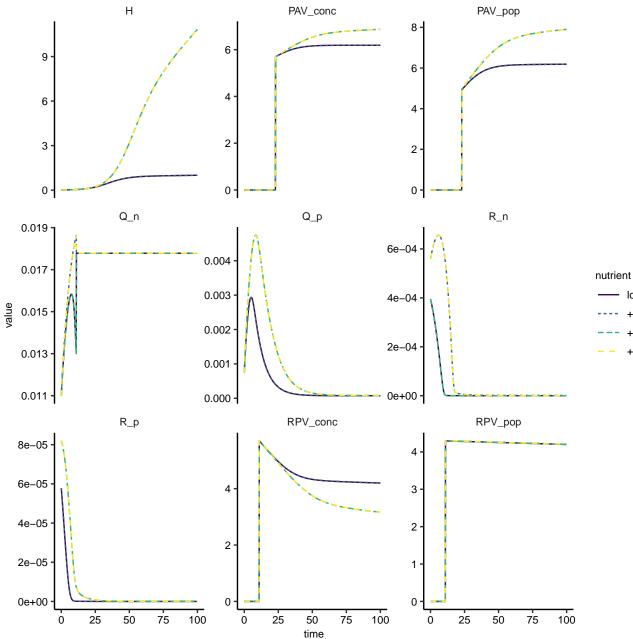
+N

q_nc = 0.0177827941003892; z_nc = 3.16227766016838e-05



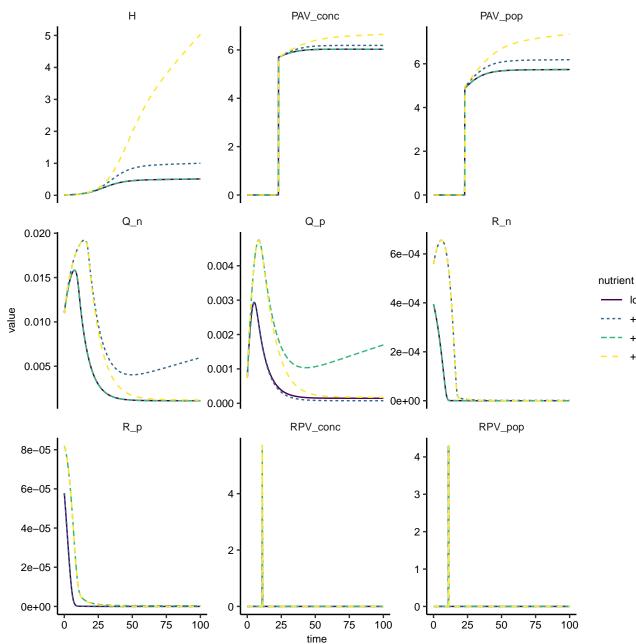
+N

q_nc = 0.0177827941003892; z_nc = 1



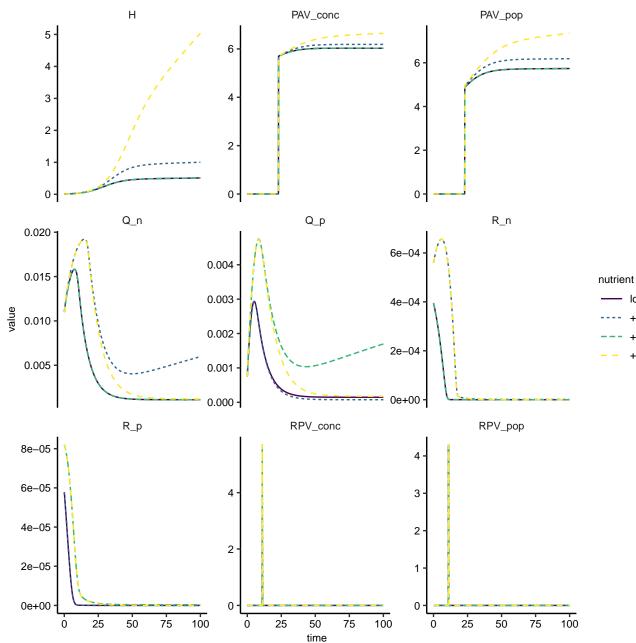
+N

q_nc = 3.16227766016838; z_nc = 1e-18



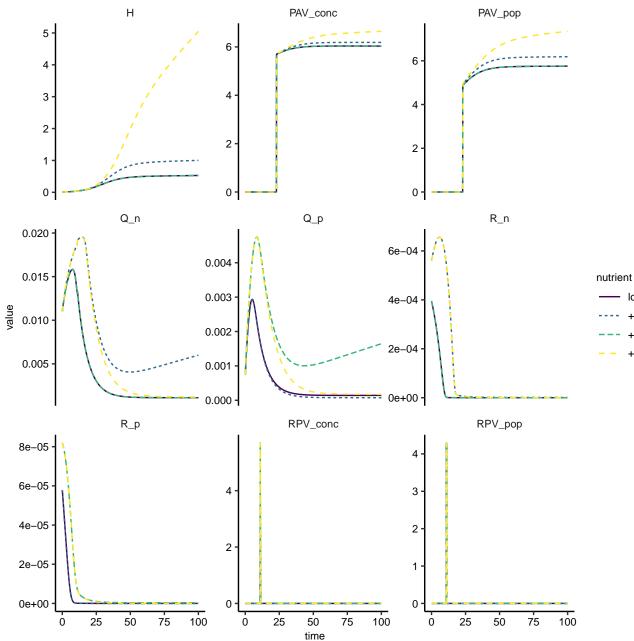
+N

q_nc = 3.16227766016838; z_nc = 3.16227766016838e-14



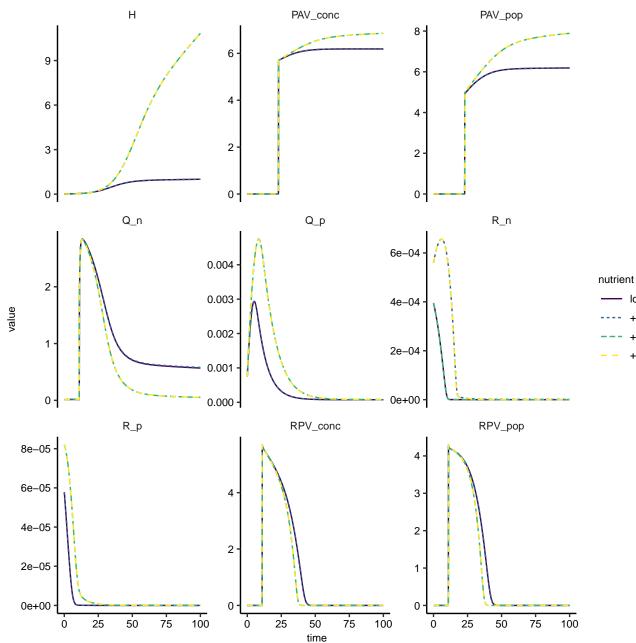
+N

q_nc = 3.16227766016838; z_nc = 1e-09



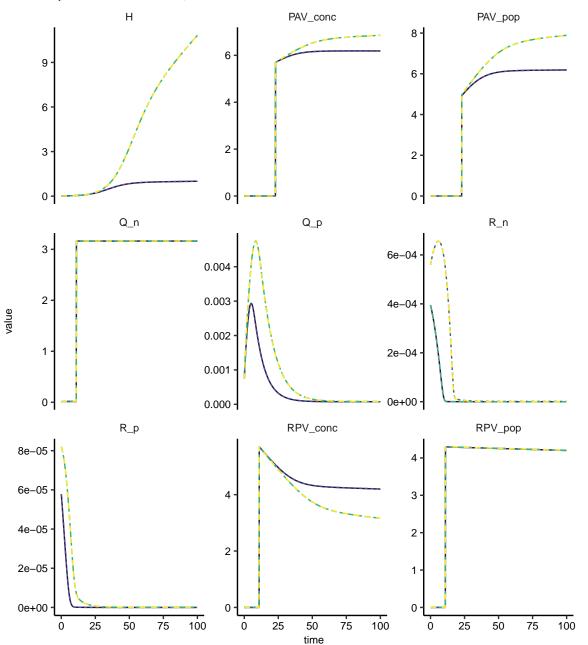
+N

q_nc = 3.16227766016838; z_nc = 3.16227766016838e-05



+N

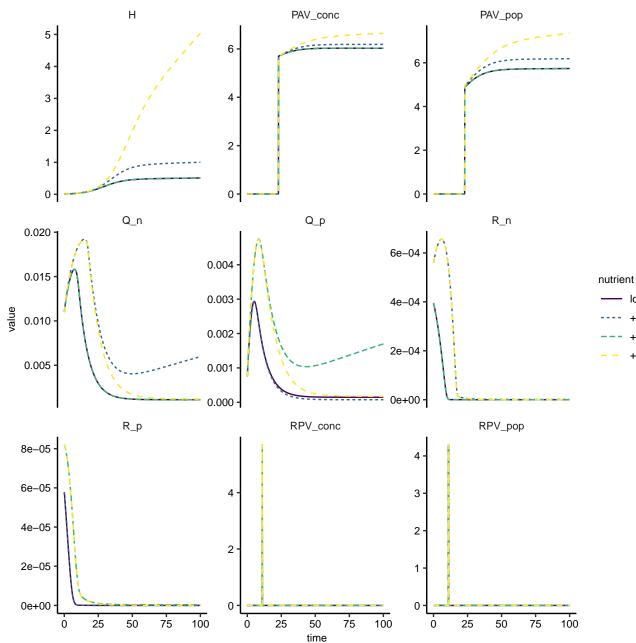
q_nc = 3.16227766016838; z_nc = 1



low

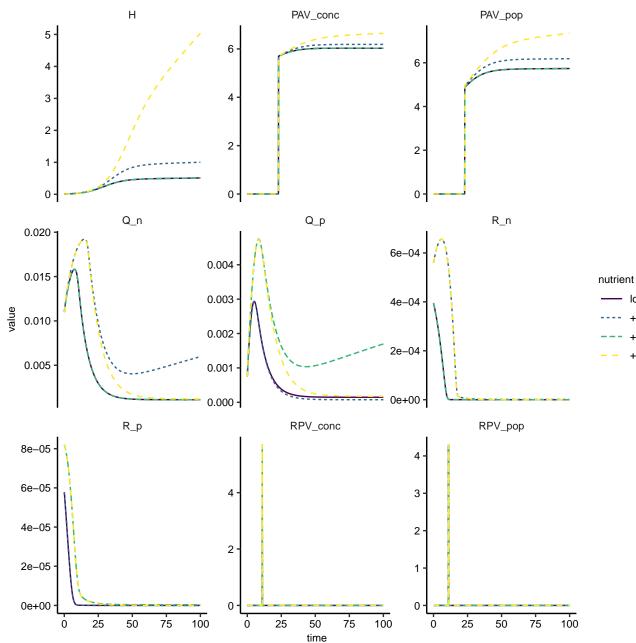
+N

q_nc = 562.341325190349; z_nc = 1e-18



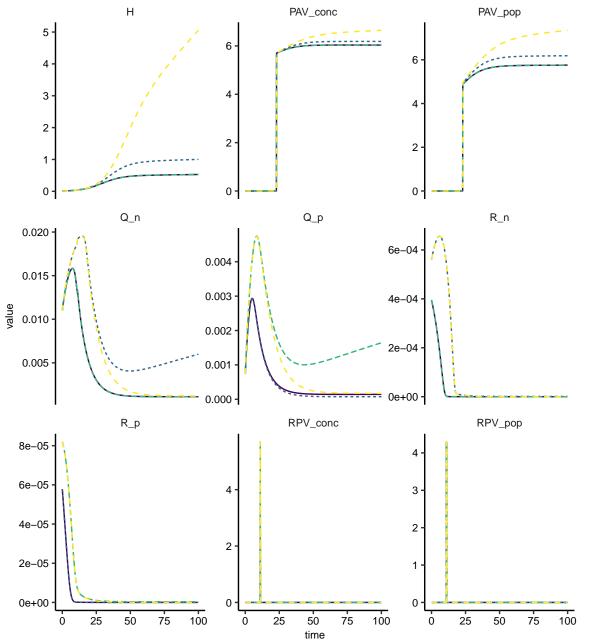
+N

q_nc = 562.341325190349; z_nc = 3.16227766016838e-14



+N

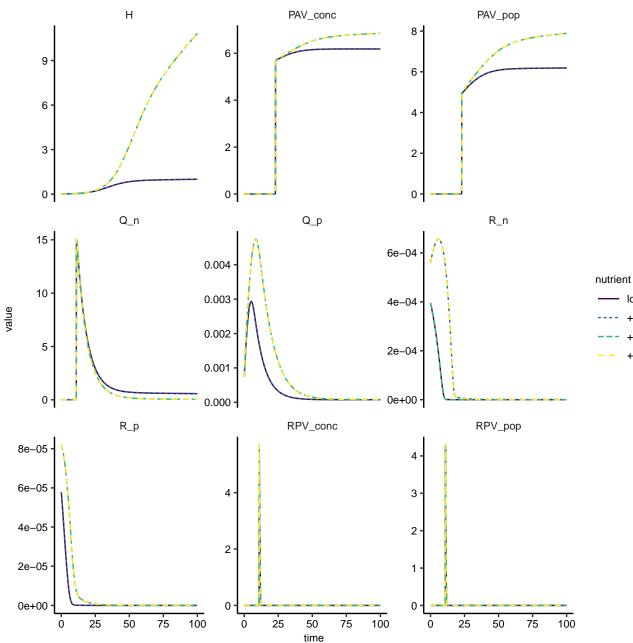
q_nc = 562.341325190349; z_nc = 1e-09



low

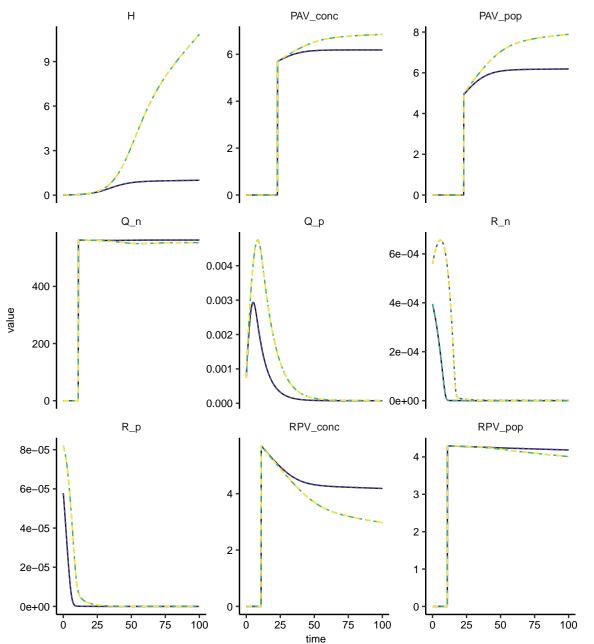
+N

q_nc = 562.341325190349; z_nc = 3.16227766016838e-05



+N

q_nc = 562.341325190349; z_nc = 1



low

+N

q_nc = 1e+05; z_nc = 1e-18 Н PAV_conc PAV_pop 5 -6 6 4 3 4 2 2 2 1 0 -Q_n Q_p R_n 0.020 -0.004 0.015 nutrient 0.003 low 4e-04 en 0.010 -+N 0.002 2e-04 +N+P 0.005 0.001 0e+00 0.000 -R_p RPV_conc RPV_pop 8e-05 6e-05 3 4 4e-05 2 2

1

Ö

25

50

. 75 100

2e-05

0e+00

0

50

. 25 75

100

25

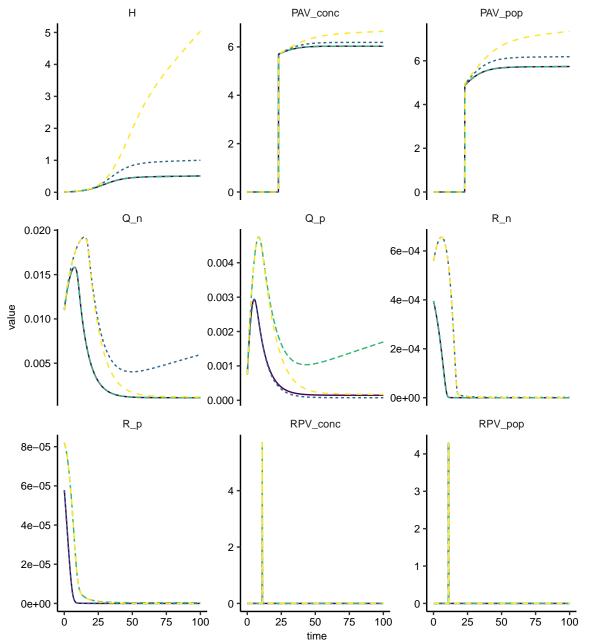
50

time

75

100

q_nc = 1e+05; z_nc = 3.16227766016838e-14



low

+N

q_nc = 1e+05; z_nc = 1e-09 Н PAV_conc PAV_pop 5 6 6 4 3 4 2 2 2 1 0 -Q_n Q_p R_n 0.020 -0.004 0.015 nutrient 0.003 low 4e-04 0.010 value +N 0.002 2e-04 +N+P 0.005 0.001 0e+00 0.000 -R_p RPV_conc RPV_pop 8e-05 6e-05 3 4 4e-05 2

1

Ö

25

50

. 75 100

2

25

50

time

75

100

2e-05

0e+00

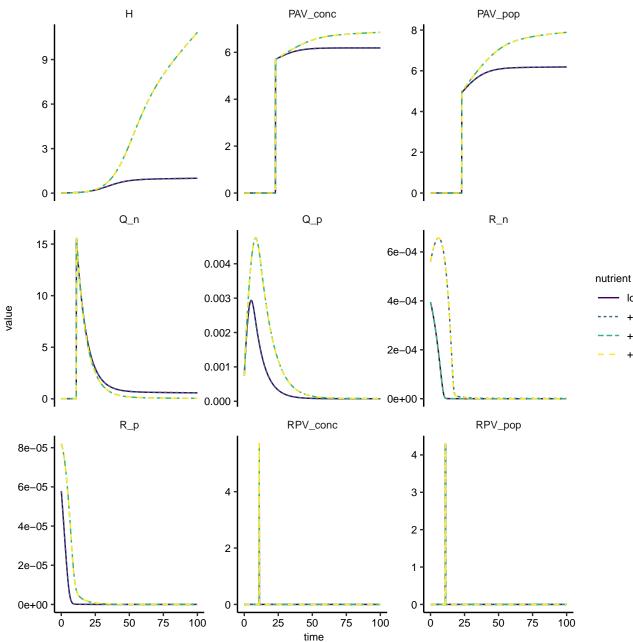
0

50

. 25 75

100

q_nc = 1e+05; z_nc = 3.16227766016838e-05



+N

q_nc = 1e+05; z_nc = 1 Н PAV_conc PAV_pop 8 -6 9 6 4 6 4 2 3 2 0 -Q_n Q_p R_n 6e-04 0.004 75000 nutrient 0.003 low 4e-04 50000 salne +N 0.002 2e-04 25000 +N+P 0.001 0 -0e+00 0.000 -RPV_conc RPV_pop R_p 8e-05 6e-05 3 4 4e-05 2 2 2e-05 1 0e+00 100 25 75 25

50

time

Ö

100

Ö

50

100

. 75

25

0

50

75