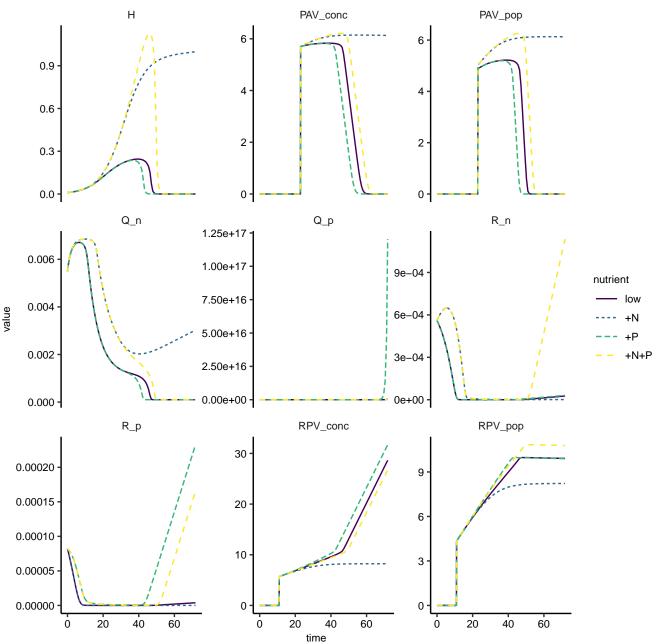
q\_nc = 1e-04; z\_nc = 1e-18 Н PAV\_conc PAV\_pop 6 6 2 · 4 4 1 2 2 0 -Q\_n Q\_p R\_n 6e-04 0.006 2.0e+15 nutrient 1.5e+15 low 4e-04 0.004 -+N 1.0e+15 2e-04 0.002 -+N+P 5.0e+14 0.0e+00 0e+00 · 0.000 RPV\_conc RPV\_pop R\_p 0.00020 15 30 0.00015 10 · 20 0.00010 5 10 -0.00005 0.00000 75 75 75 25 25 50 . 25 50 Ö 50

time

q\_nc = 1e-04; z\_nc = 3.16227766016838e-14



q\_nc = 1e-04; z\_nc = 1e-09 Н PAV\_conc PAV\_pop 0.125 0.100 -2 -4 0.075 0.050 1 2 0.025 0.000 Q\_n Q\_p R\_n 8e+15 **-**0.006 6e+15 1e-03 nutrient low 0.004 4e+15 · 5e-04 0.002 +N+P 2e+15 0e+00 -0e+00 0.000 RPV\_conc R\_p RPV\_pop 0.00020 20 0.00015 0.00010 -10 -2 · 0.00005

0

10

20

time

30

. 40 20

30

40

10

Ö

0.00000

0

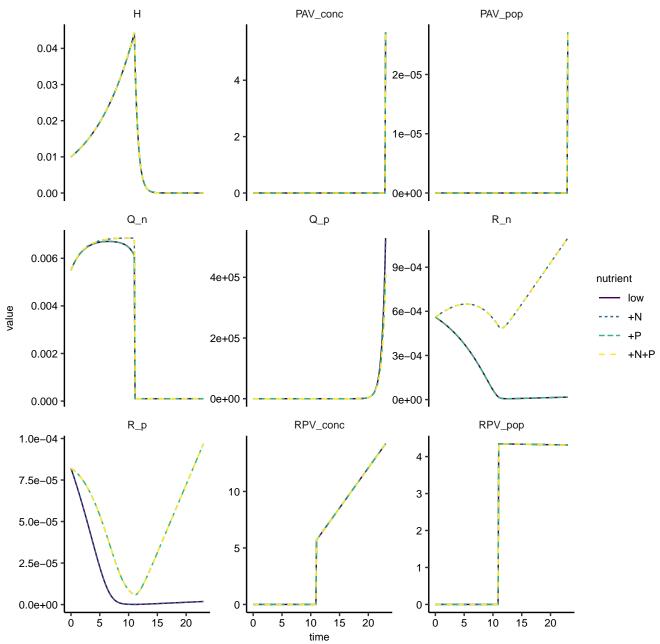
10

20

30

40

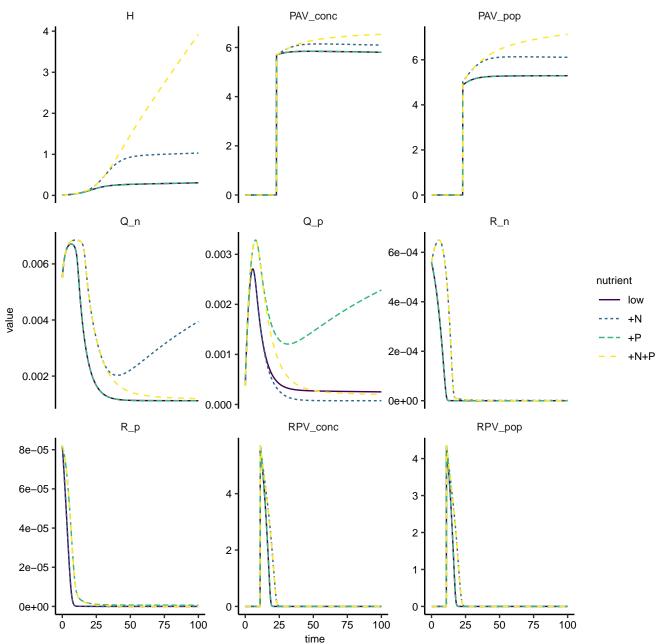
q\_nc = 1e-04; z\_nc = 3.16227766016838e-05



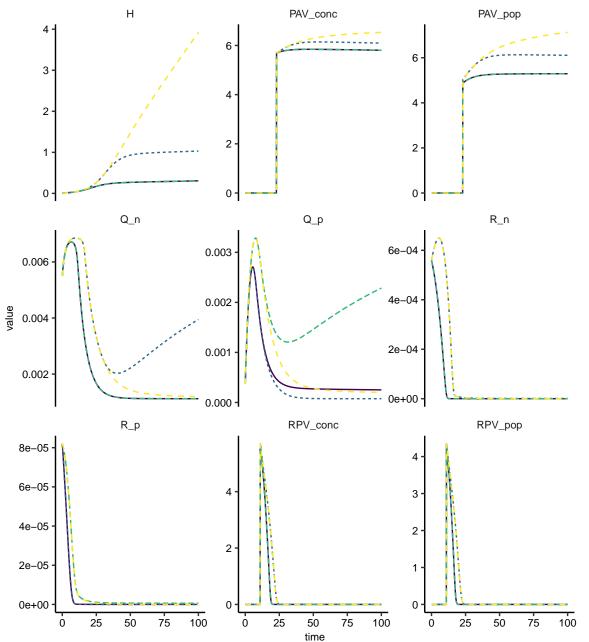
q\_nc = 1e-04; z\_nc = 1 Н PAV\_conc PAV\_pop 8 1 10.0 -6 6 7.5 4 4 5.0 2 2 2.5 0.0 Q\_n Q\_p R\_n 0e+00 6e-04 0.003 nutrient -2e+09 low 4e-04 0.002 value +N 2e-04 -4e+09 0.001 +N+P 0e+00 -0.000 -RPV\_conc RPV\_pop R\_p 10.0 8e-05 9 7.5 -6e-05 6 5.0 4e-05 3 2.5 2e-05 0e+00 0.0 25 100 25 25 50 . 75 100 50 75 0 50 . 75 100 Ö

time

q\_nc = 0.0177827941003892; z\_nc = 1e-18



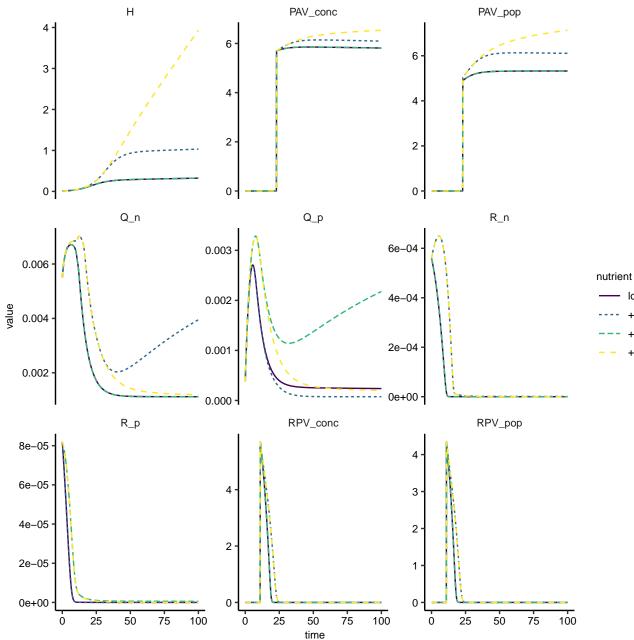
q\_nc = 0.0177827941003892; z\_nc = 3.16227766016838e-14



low

+N

q\_nc = 0.0177827941003892; z\_nc = 1e-09

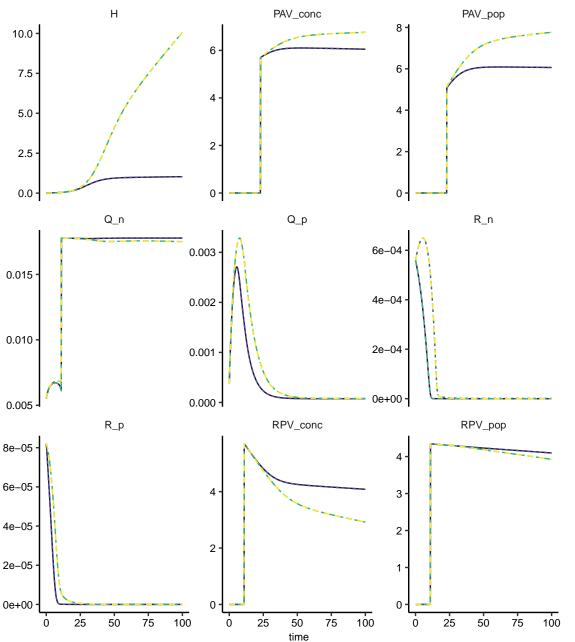


low

+N

q\_nc = 0.0177827941003892; z\_nc = 3.16227766016838e-05

value

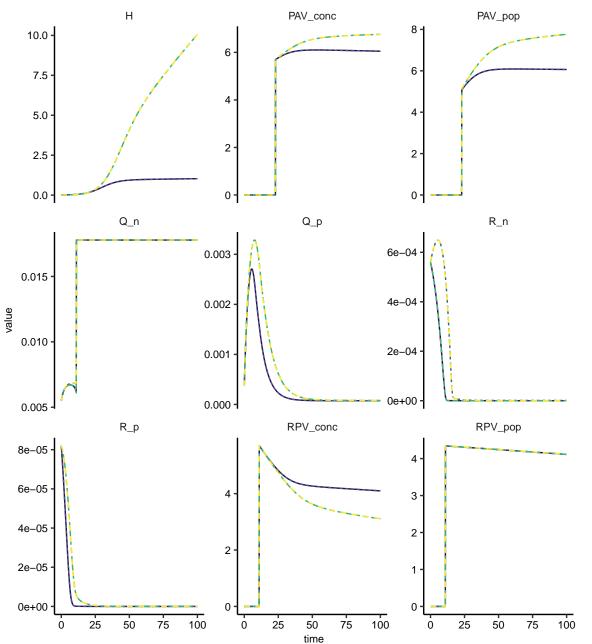


nutrient

low

+N

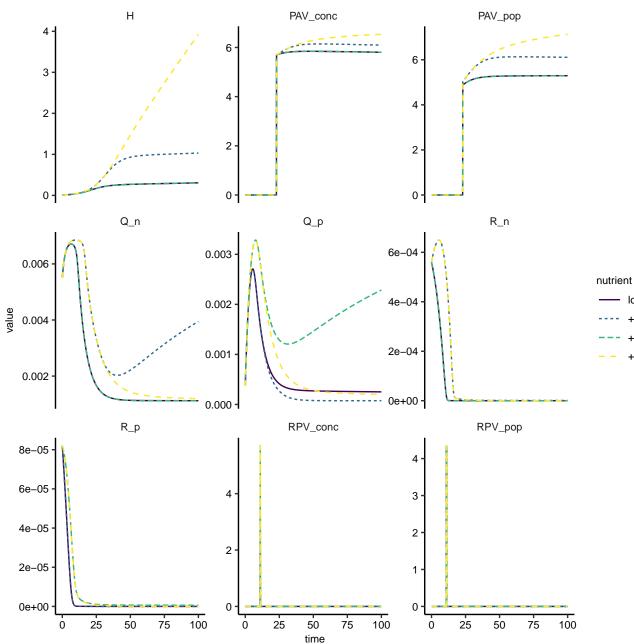
q\_nc = 0.0177827941003892; z\_nc = 1



low

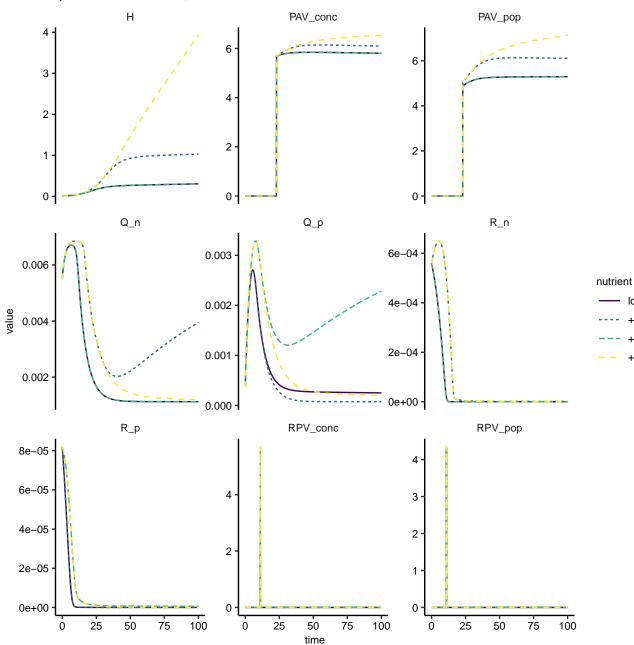
+N

q\_nc = 3.16227766016838; z\_nc = 1e-18



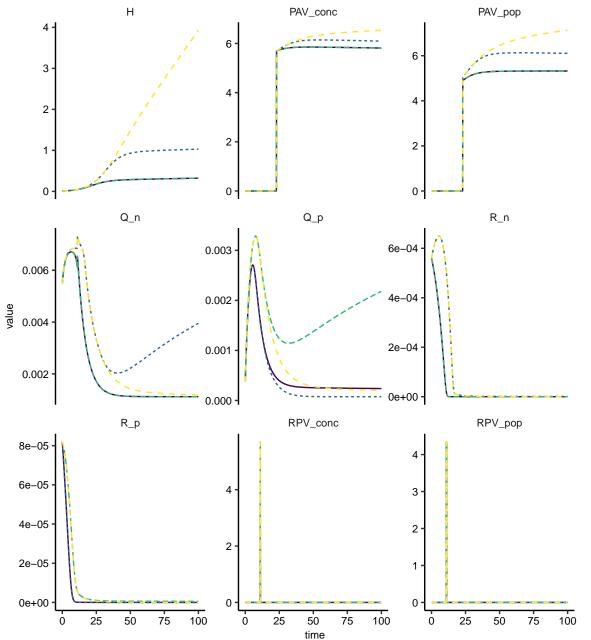
+N

q\_nc = 3.16227766016838; z\_nc = 3.16227766016838e-14



+N

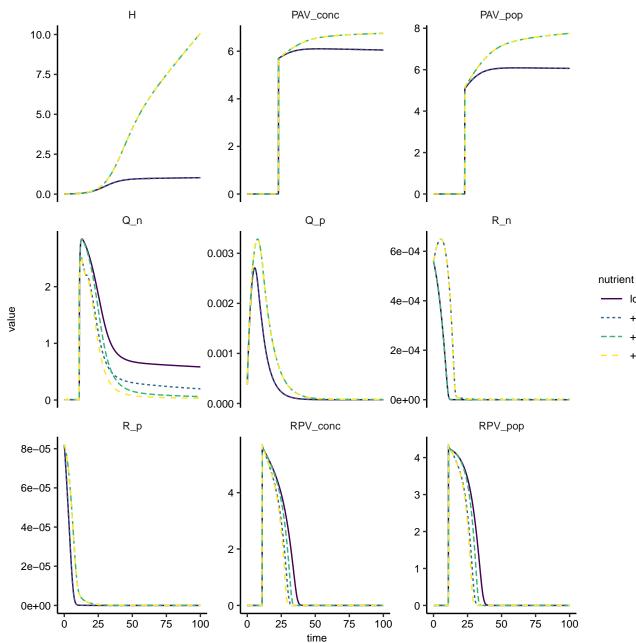
q\_nc = 3.16227766016838; z\_nc = 1e-09



low

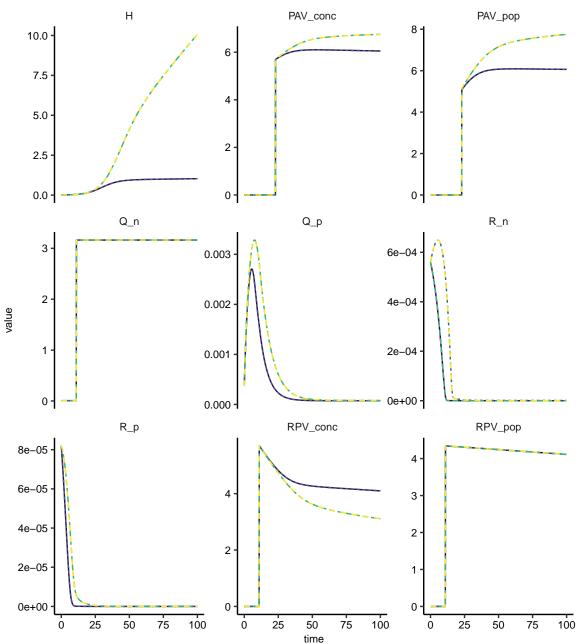
+N

q\_nc = 3.16227766016838; z\_nc = 3.16227766016838e-05



+N

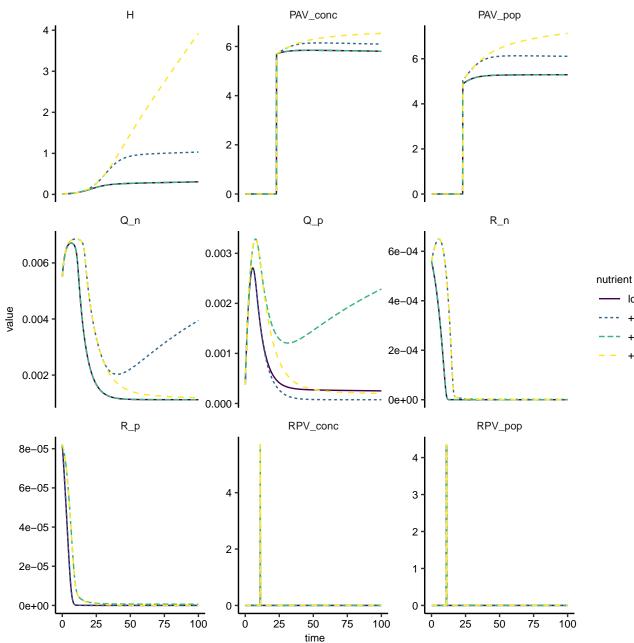
q\_nc = 3.16227766016838; z\_nc = 1



low

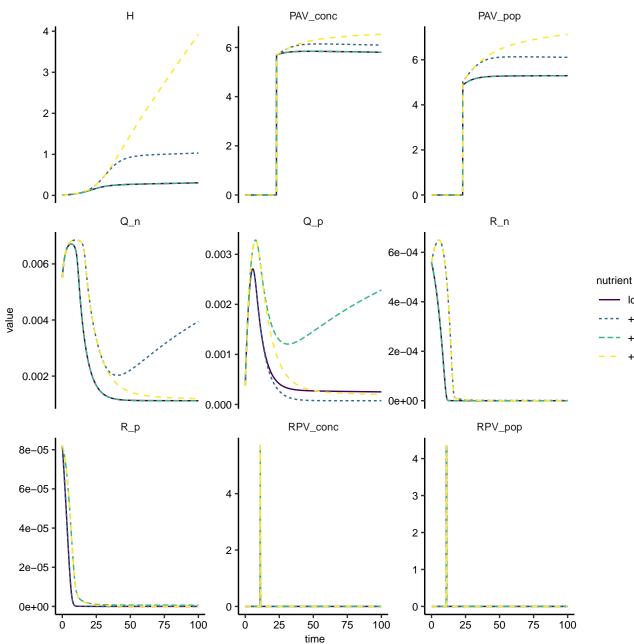
+N

q\_nc = 562.341325190349; z\_nc = 1e-18



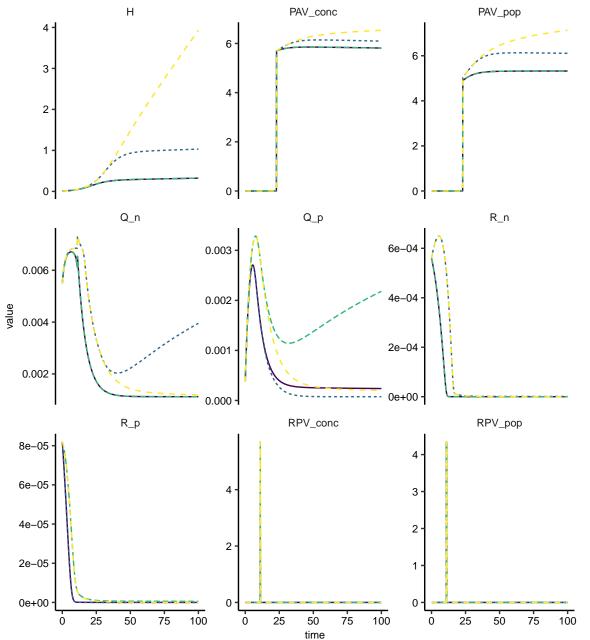
+N

q\_nc = 562.341325190349; z\_nc = 3.16227766016838e-14



+N

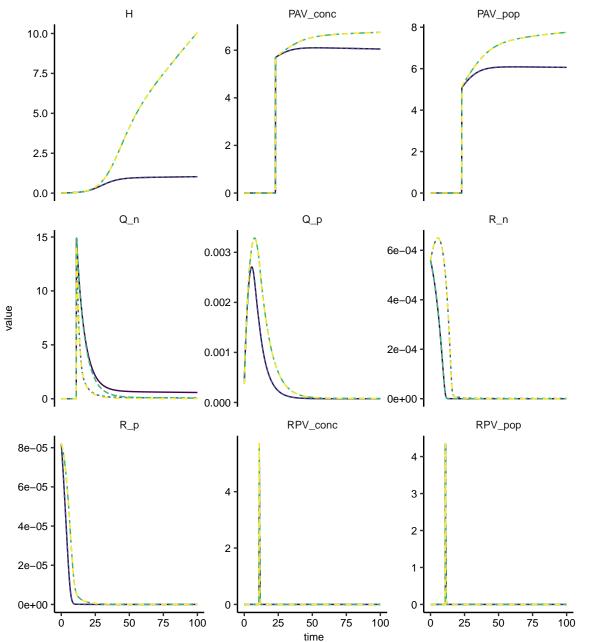
q\_nc = 562.341325190349; z\_nc = 1e-09



low

+N

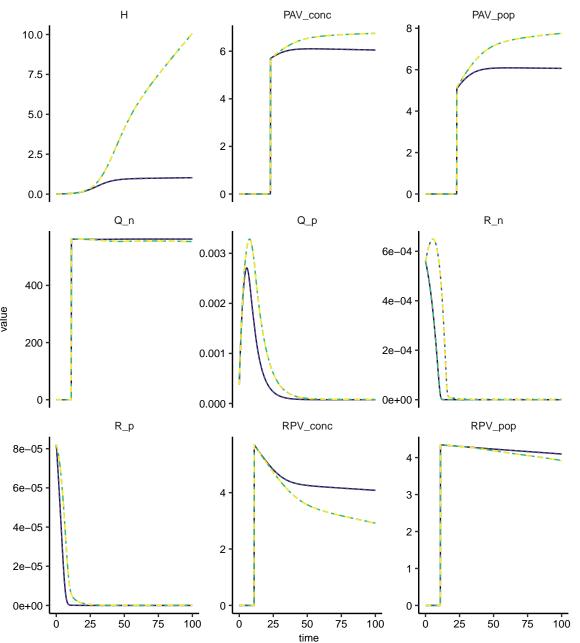
q\_nc = 562.341325190349; z\_nc = 3.16227766016838e-05



low

+N

q\_nc = 562.341325190349; z\_nc = 1



low

+N

q\_nc = 1e+05; z\_nc = 1e-18 Н PAV\_conc PAV\_pop 4 -6 6 3 4 4 2 2 2 1 0 -Q\_n Q\_p R\_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 0.004 kg +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 R\_p RPV\_conc RPV\_pop 8e-05 4 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00 100

25

50

time

75

100

25

50

Ö

100

. 75

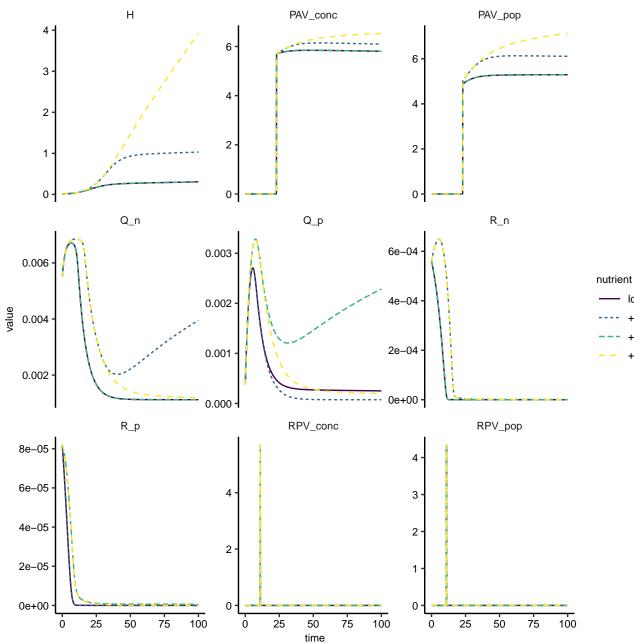
50

. 25

0

75

q\_nc = 1e+05; z\_nc = 3.16227766016838e-14



+N

q\_nc = 1e+05; z\_nc = 1e-09 Н PAV\_conc PAV\_pop 4 -6 6 3 4 4 2 2 2 1 0 -Q\_n Q\_p R\_n 6e-04 0.003 0.006 nutrient low 0.002 4e-04 <u>e</u> 200.04 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 R\_p RPV\_conc RPV\_pop 8e-05 4 6e-05 4 3 4e-05 2 . 2 2e-05 1 0e+00

100

25

50

time

75

100

25

50

. 75 100

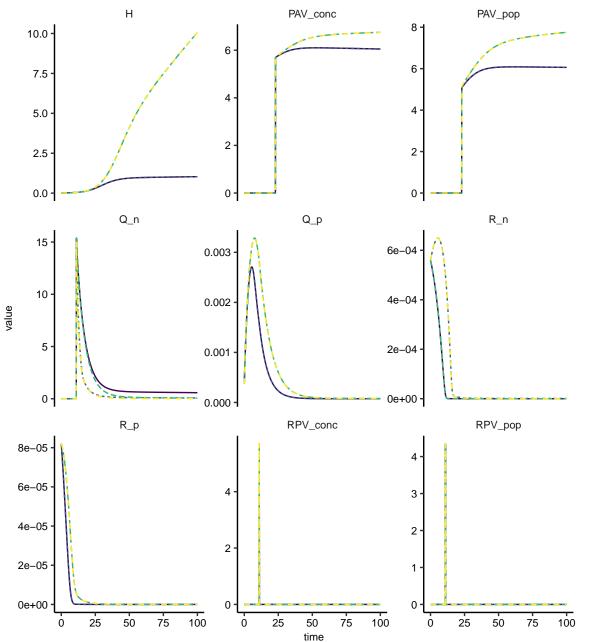
Ö

75

0

. 25 50

q\_nc = 1e+05; z\_nc = 3.16227766016838e-05



low

+N

q\_nc = 1e+05; z\_nc = 1 Н PAV\_conc PAV\_pop 8 1 10.0 -6 6 7.5 4 5.0 4 2 2 2.5 0.0 -0 Q\_n Q\_p R\_n 6e-04 0.003 75000 nutrient low 4e-04 0.002 9 50000 value +N 2e-04 0.001 25000 +N+P 0 -0e+00 0.000 4 RPV\_pop R\_p RPV\_conc 8e-05 4 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00 25 25 100 50 75 50 75 100 100 0 . 25 Ö Ö 50 . 75

time