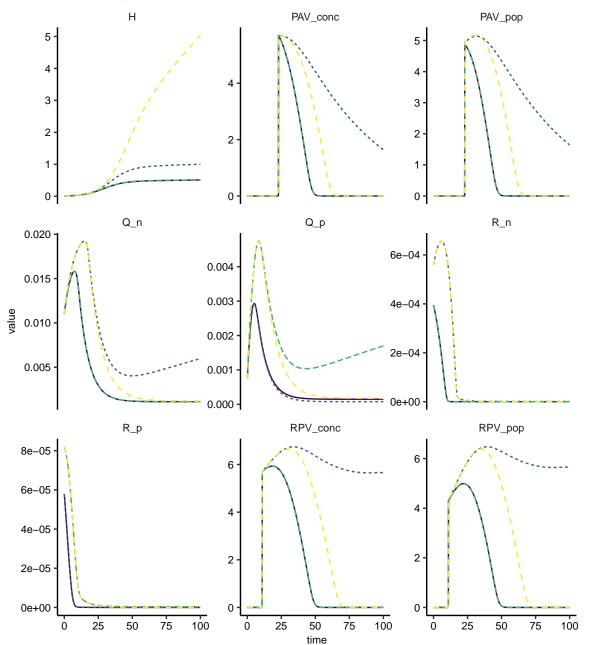
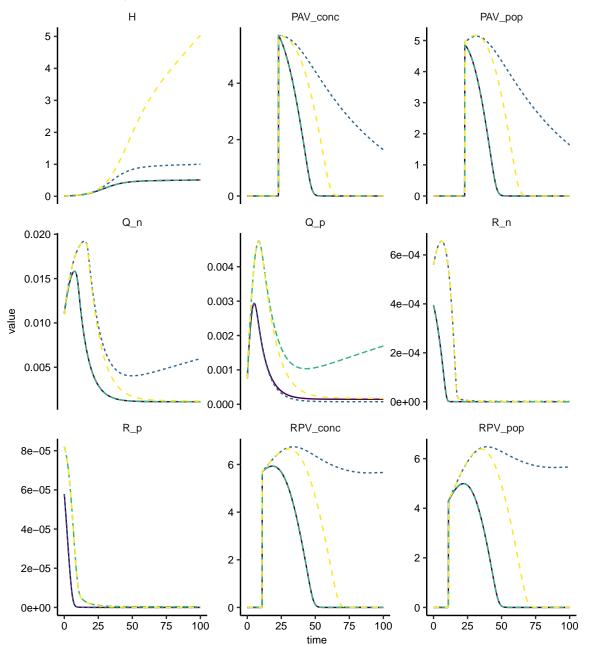
z_nb = 1e-18; z_nc = 1e-18



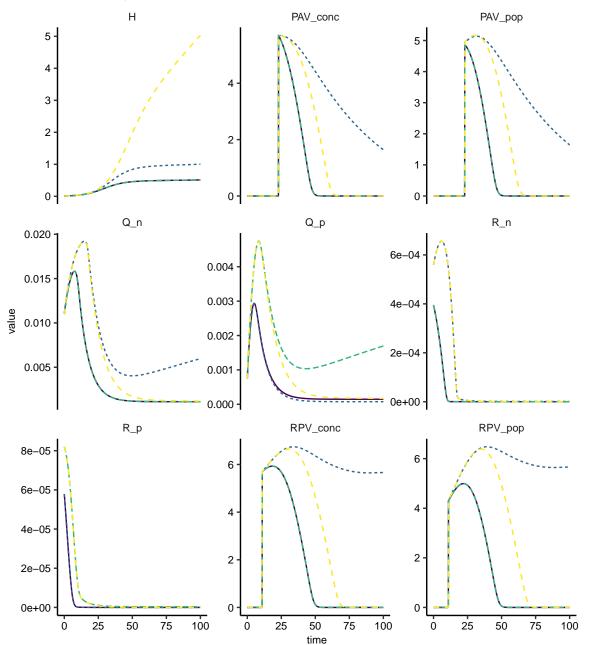
low

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



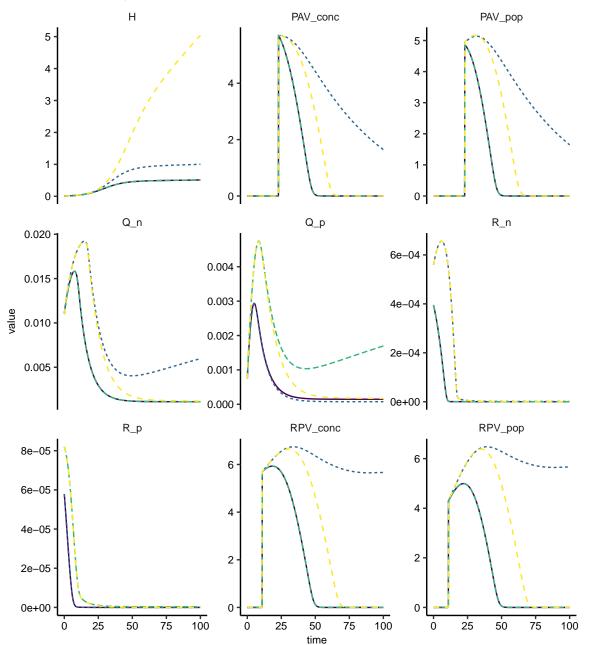
low

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



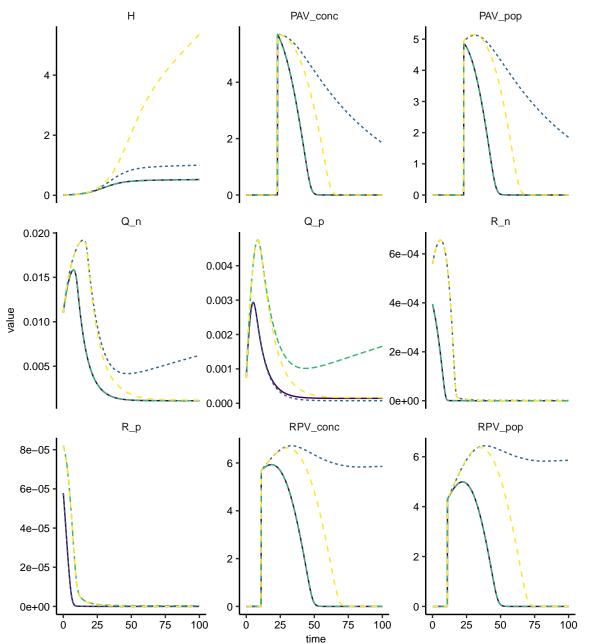
low

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



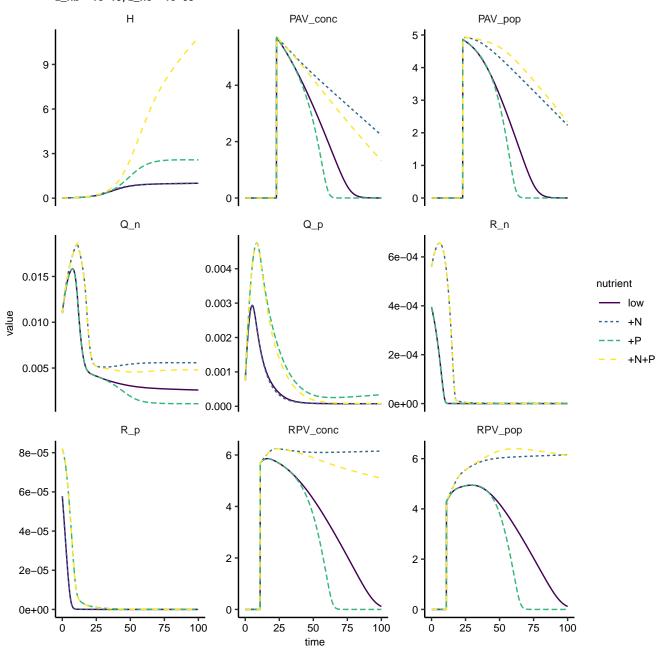
low

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

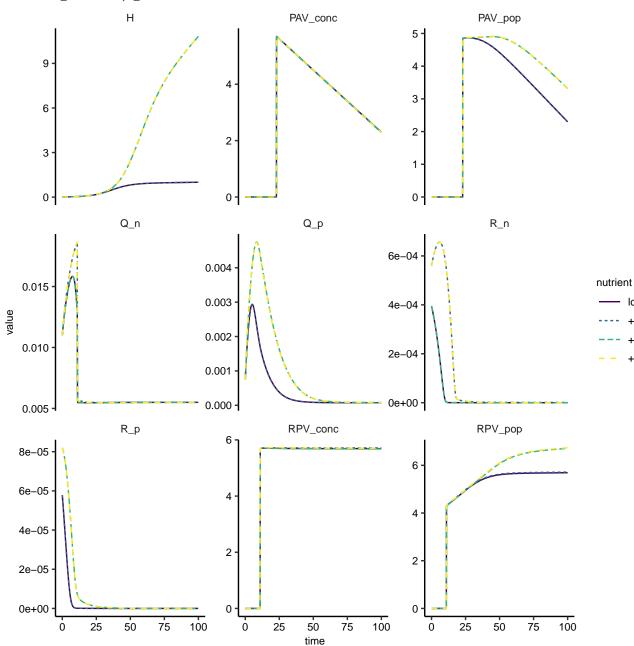


low

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



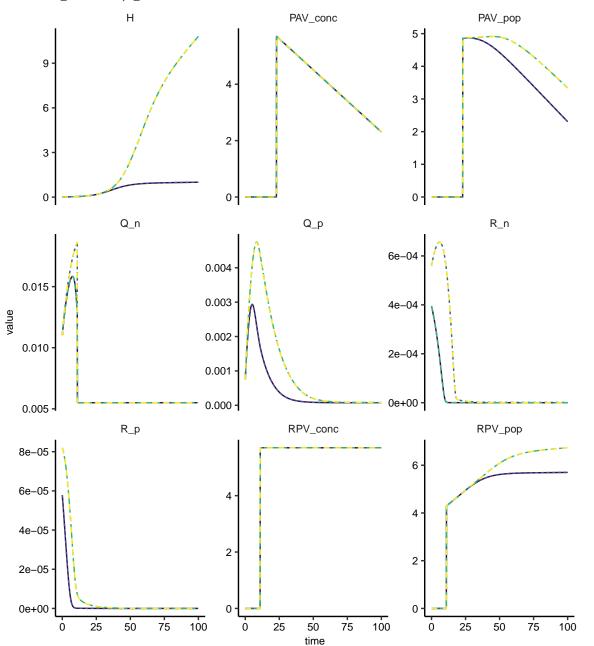
z_nb = 1e-18; z_nc = 1e-06



low

+N

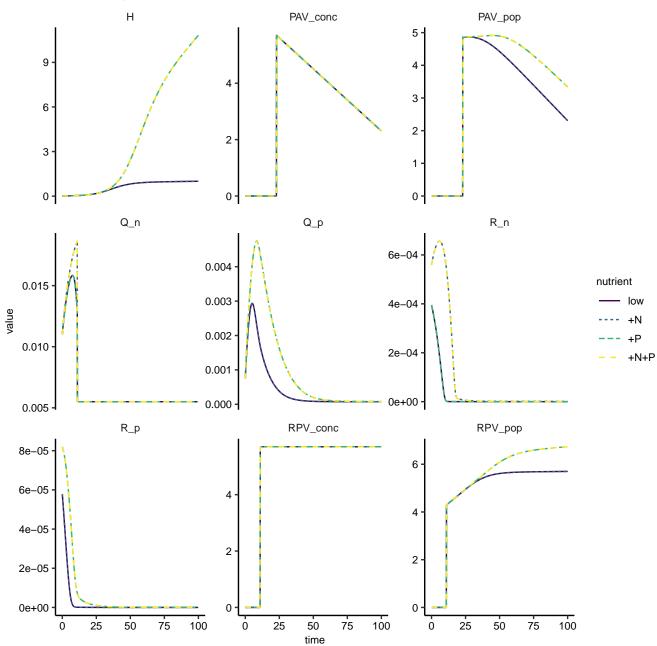
z_nb = 1e-18; z_nc = 1e-04



low

+N

z_nb = 1e-18; z_nc = 0.01



z_nb = 1e-18; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05

75

100

25

50

25

50

time

100

75

0e+00

0

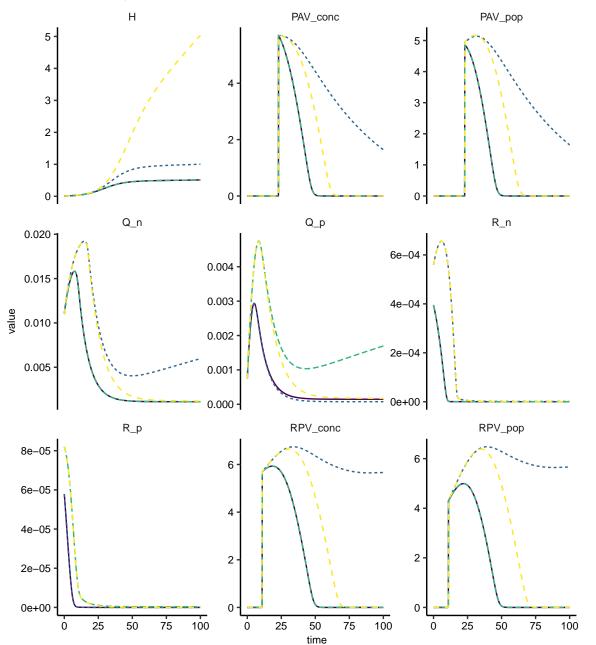
25

50

75

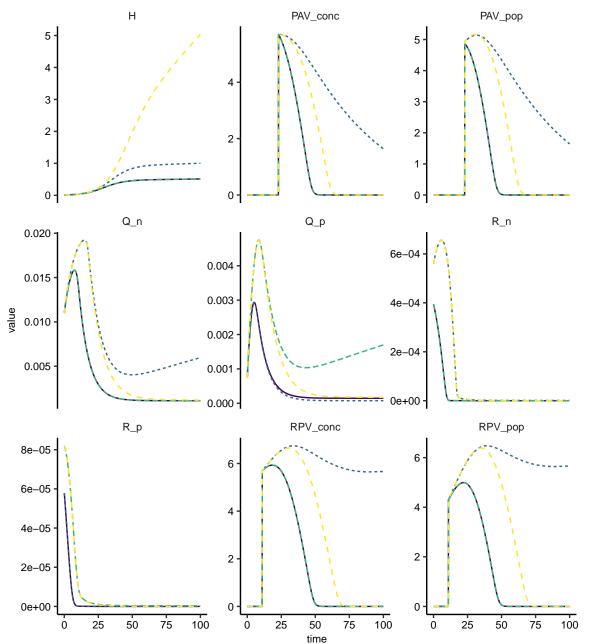
100

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



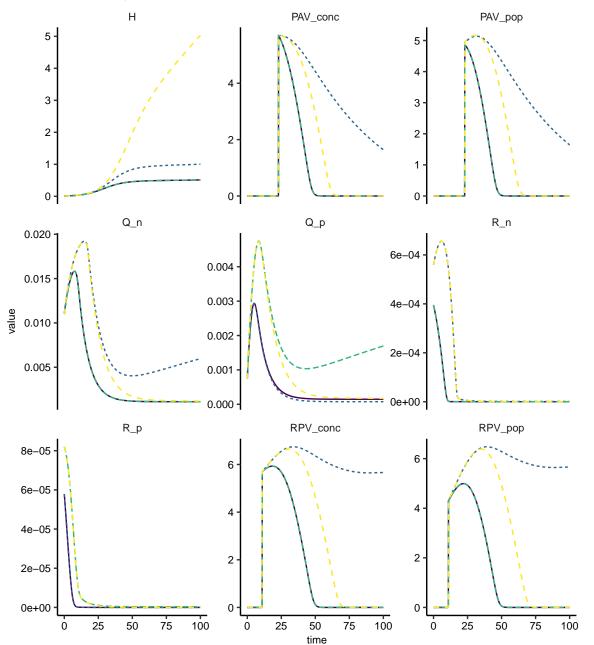
low

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



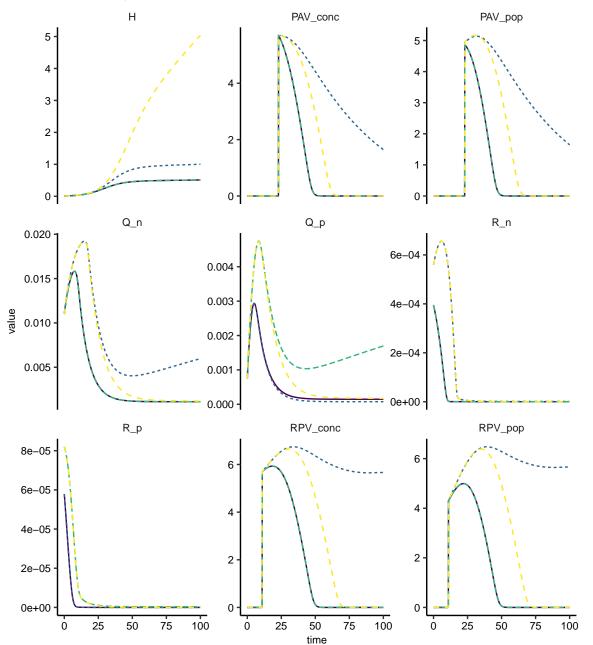
low

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



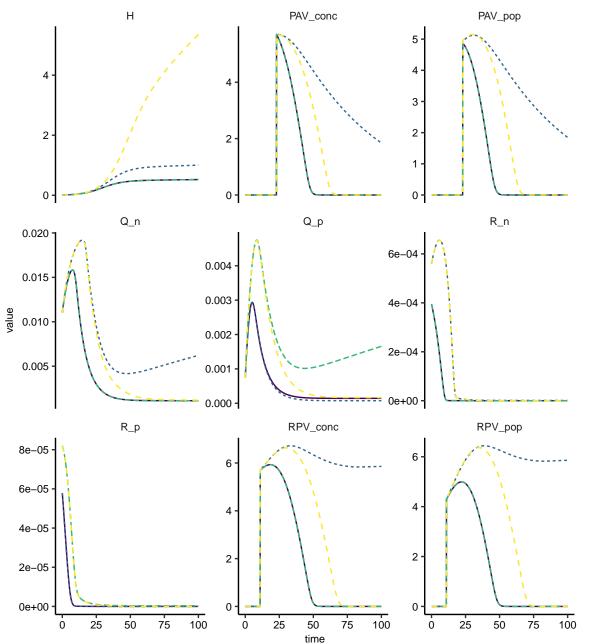
low

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



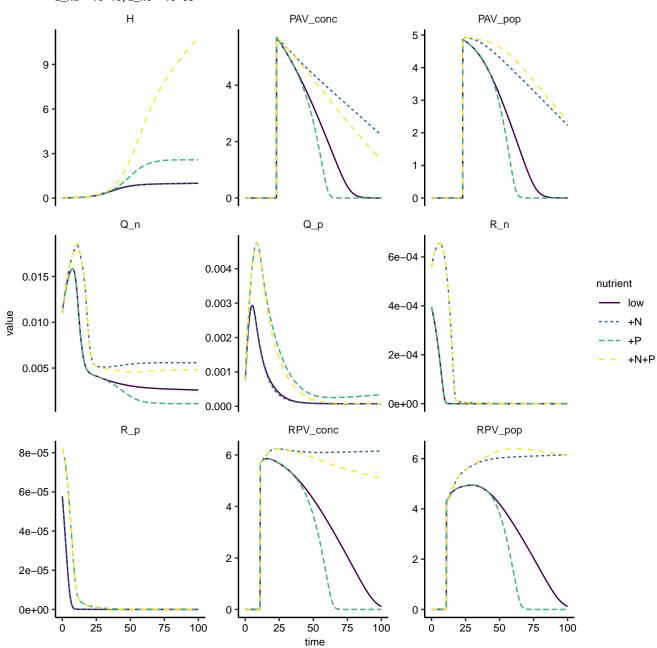
low

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

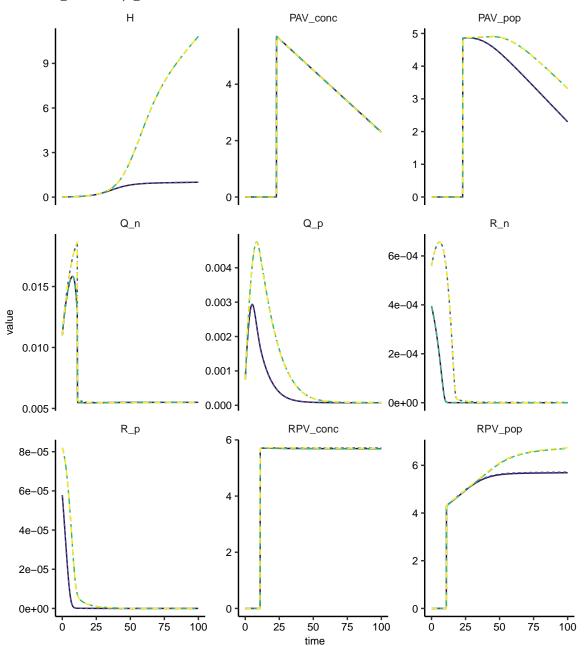


low

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



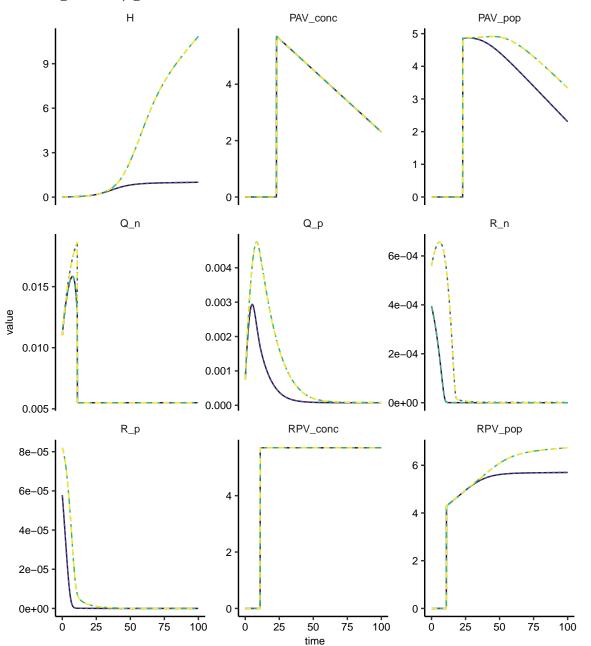
z_nb = 1e-16; z_nc = 1e-06



low

+N

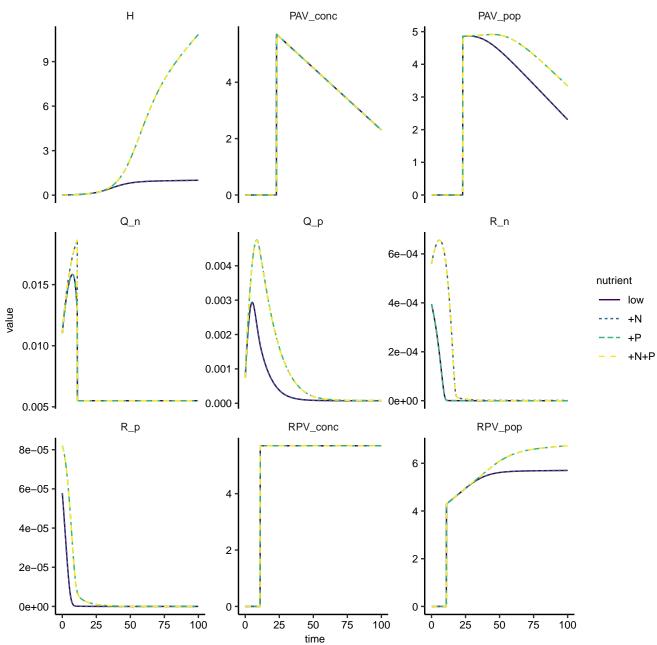
z_nb = 1e-16; z_nc = 1e-04



low

+N

z_nb = 1e-16; z_nc = 0.01



z_nb = 1e-16; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05

75

100

25

50

25

50

time

100

75

0e+00

0

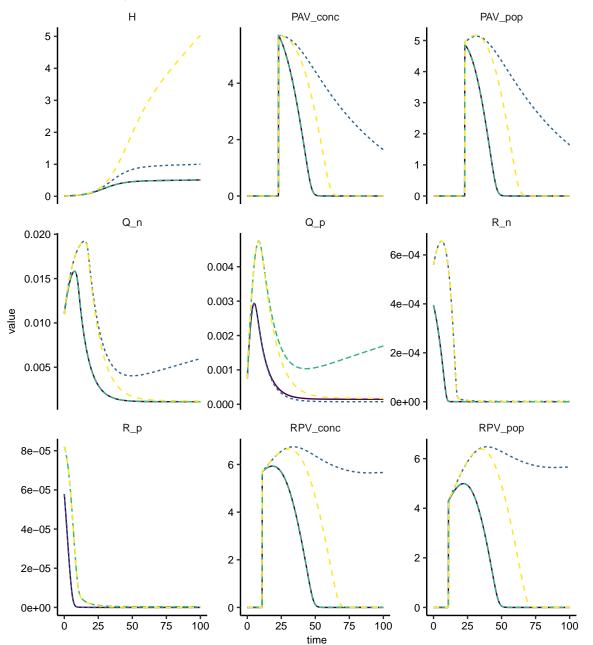
25

50

75

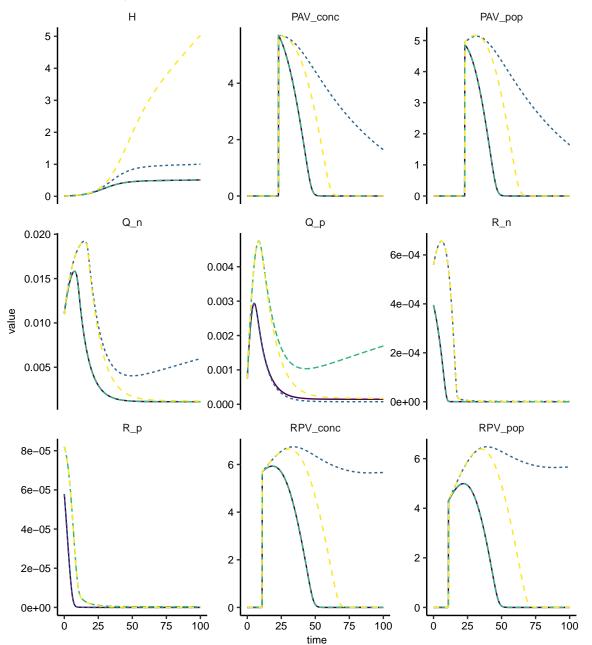
100

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



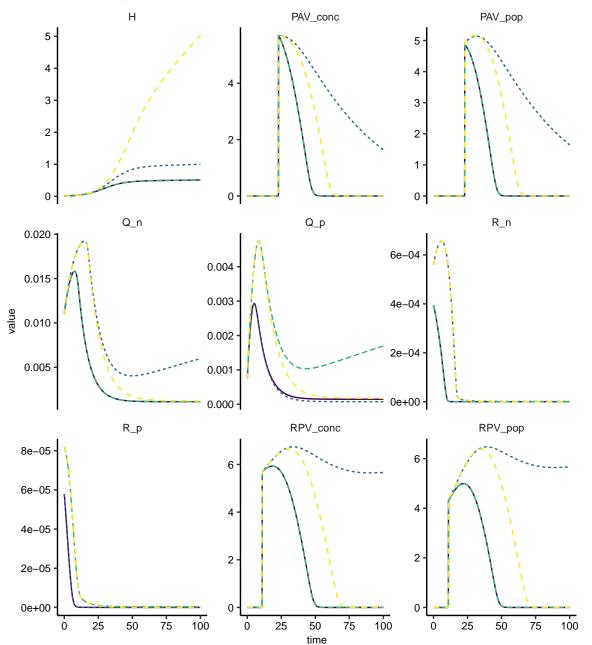
low

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



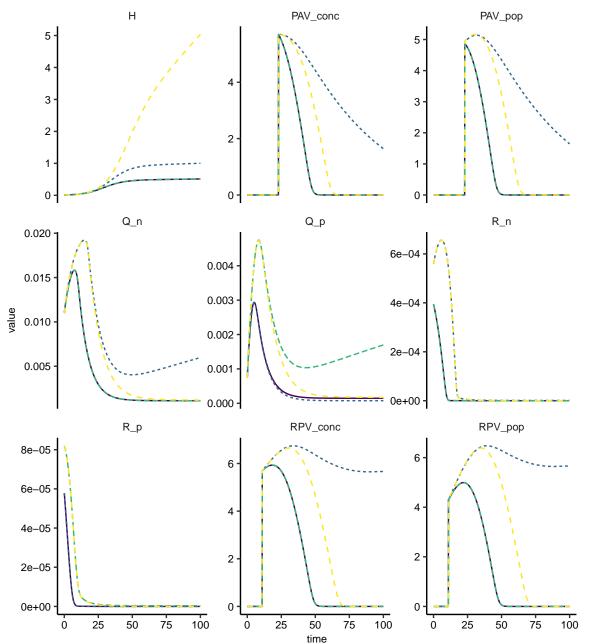
low

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



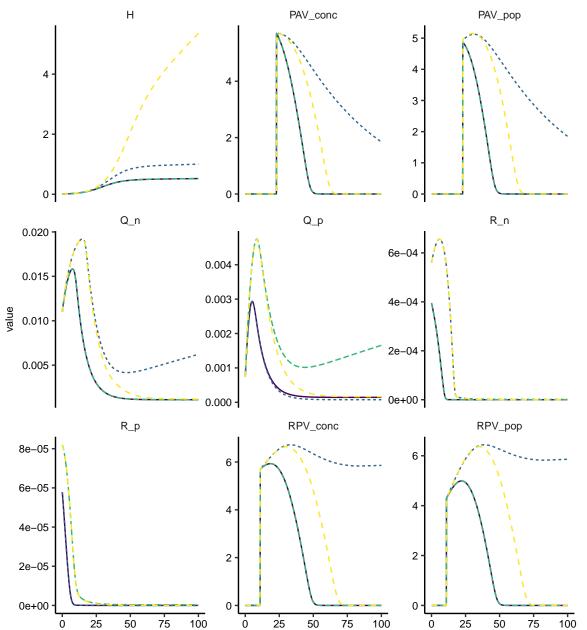
low

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



low

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



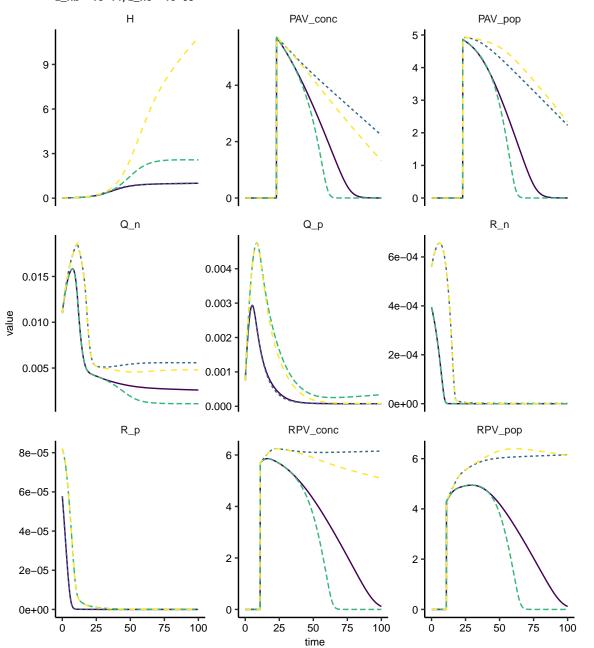
time

nutrient

low

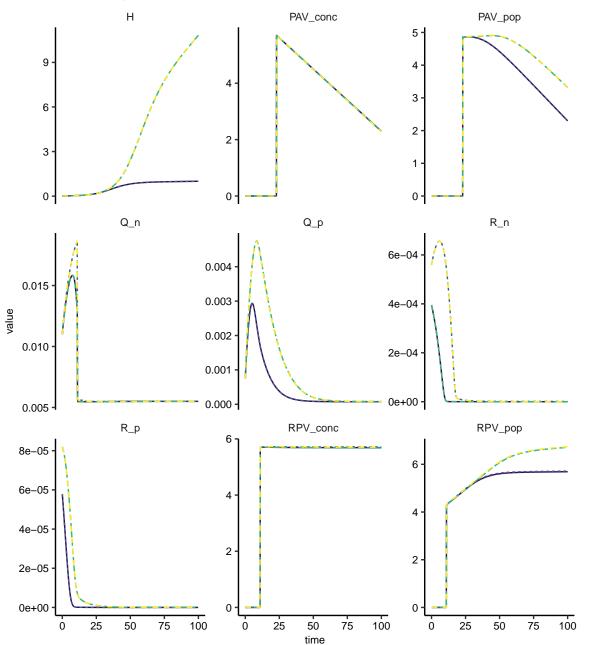
+N

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



low

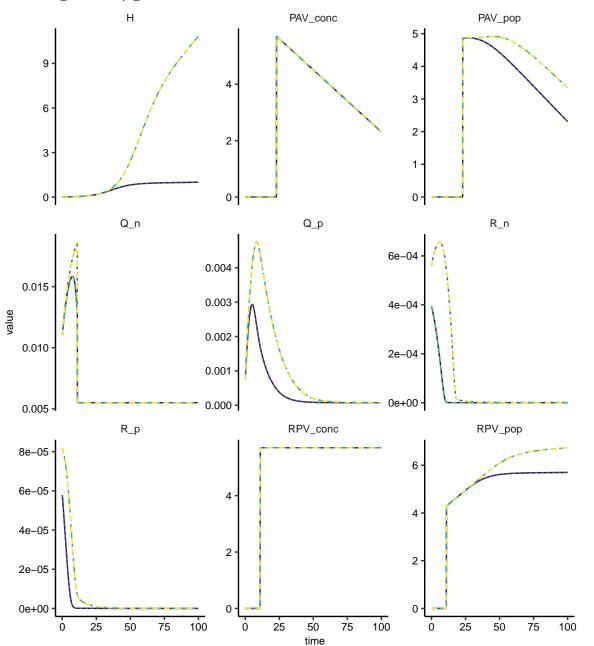
z_nb = 1e-14; z_nc = 1e-06



low

+N

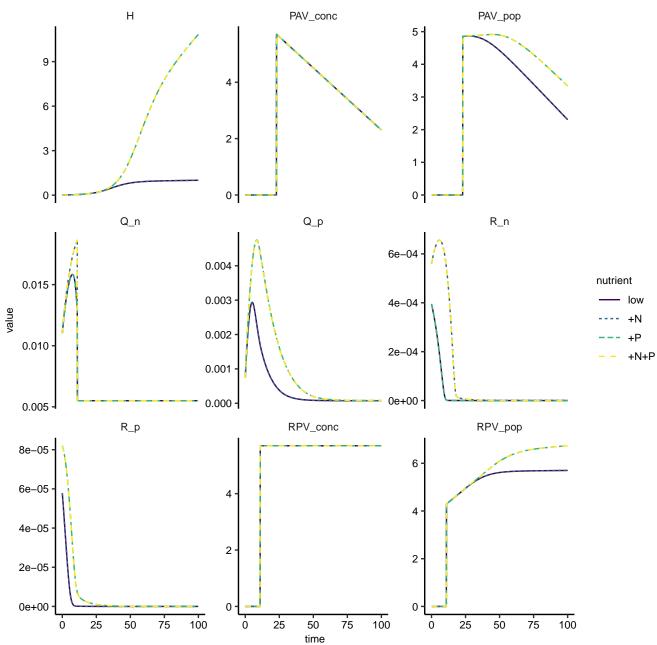
z_nb = 1e-14; z_nc = 1e-04



low

+N

z_nb = 1e-14; z_nc = 0.01



z_nb = 1e-14; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05

75

100

25

50

25

50

time

100

75

0e+00

0

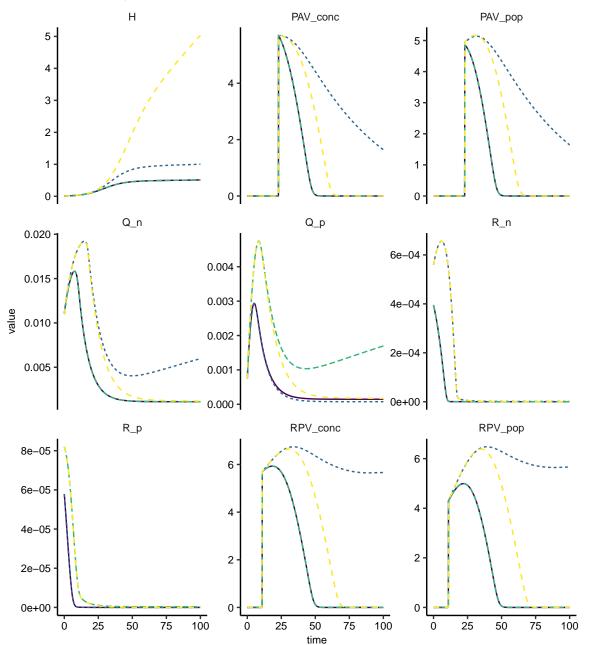
25

50

75

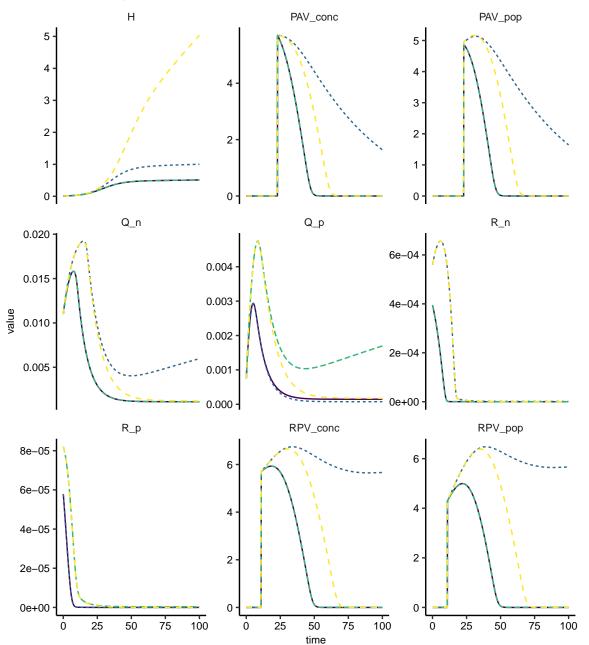
100

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



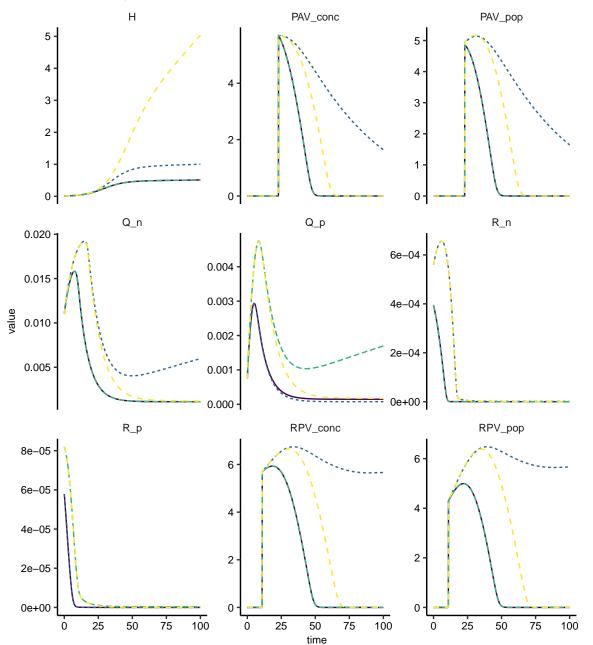
low

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



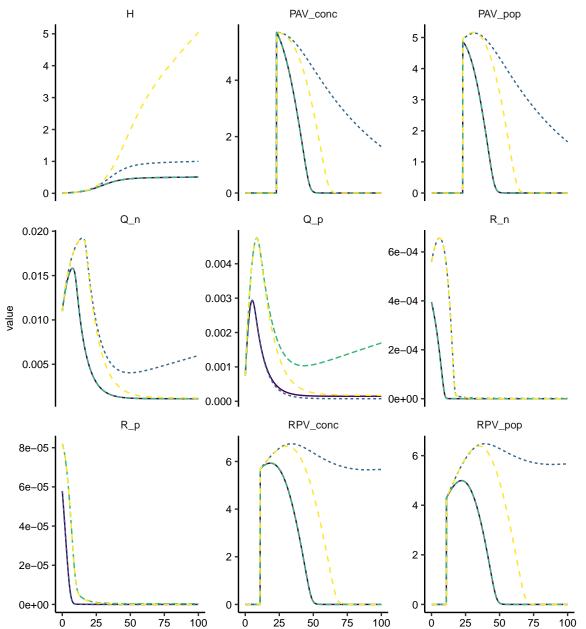
low

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



low

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

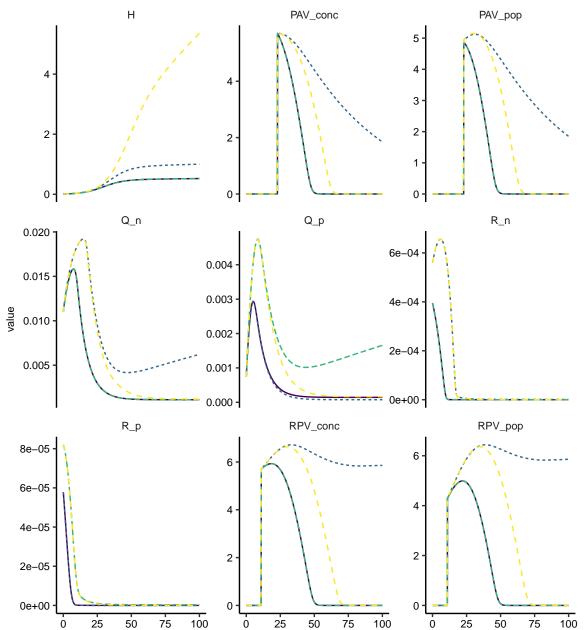


time

nutrient

low

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

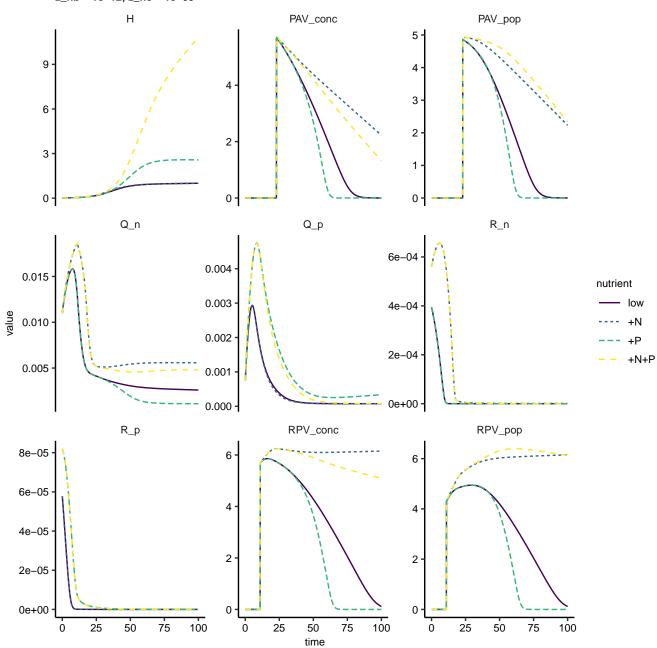


time

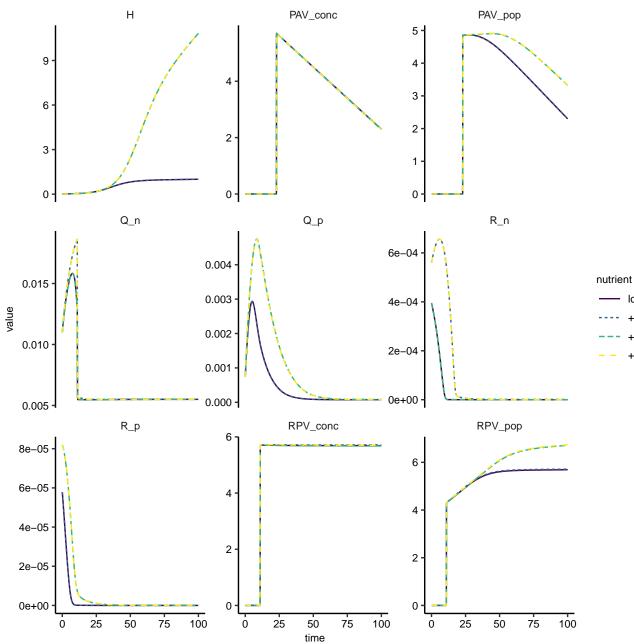
nutrient

low

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



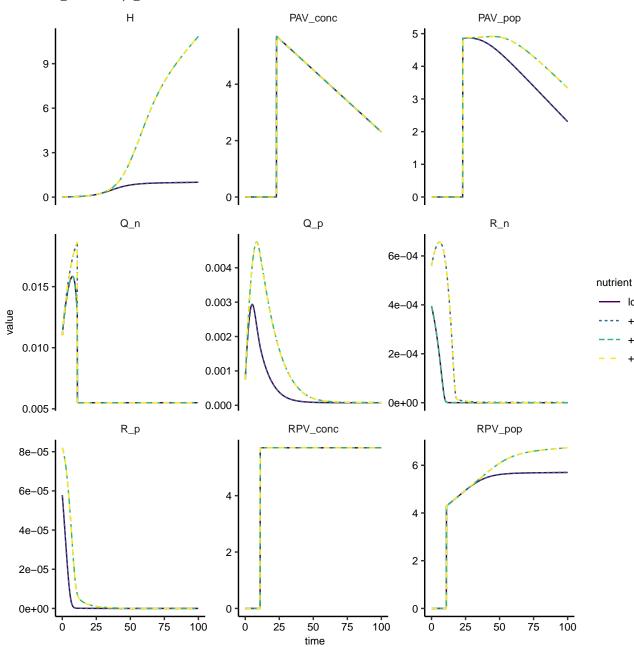
z_nb = 1e-12; z_nc = 1e-06



low

+N

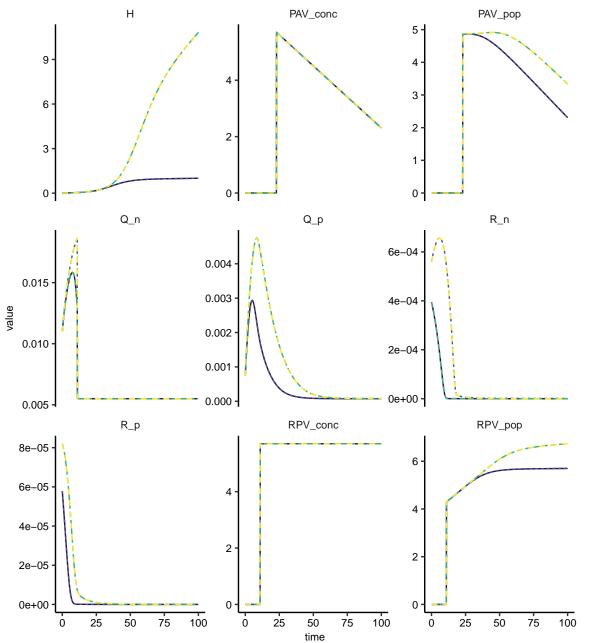
z_nb = 1e-12; z_nc = 1e-04



low

+N

z_nb = 1e-12; z_nc = 0.01



nutrient

low

+N

z_nb = 1e-12; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05 0e+00

75

100

25

50

25

50

time

75

25

0

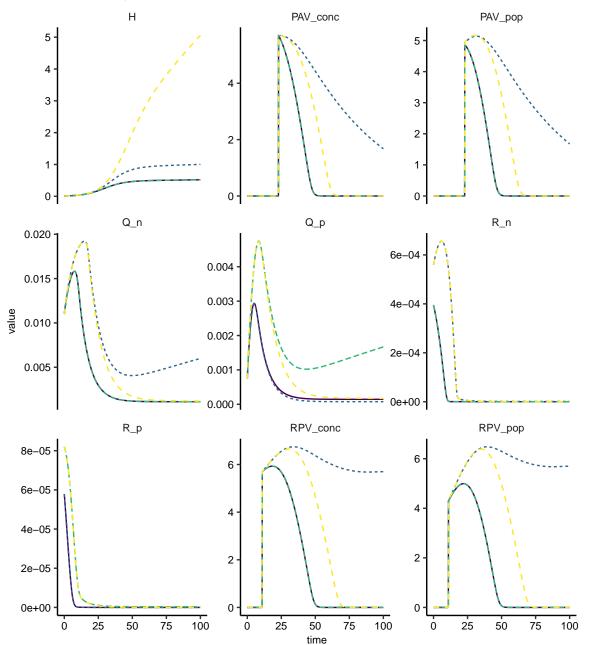
50

100

100

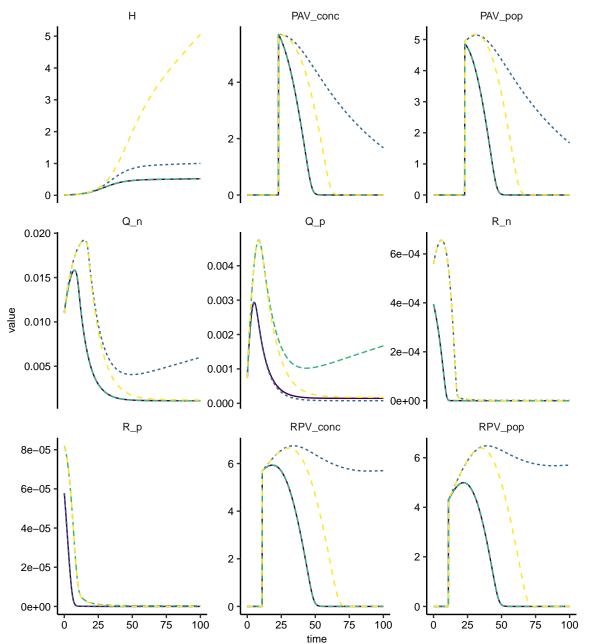
75

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



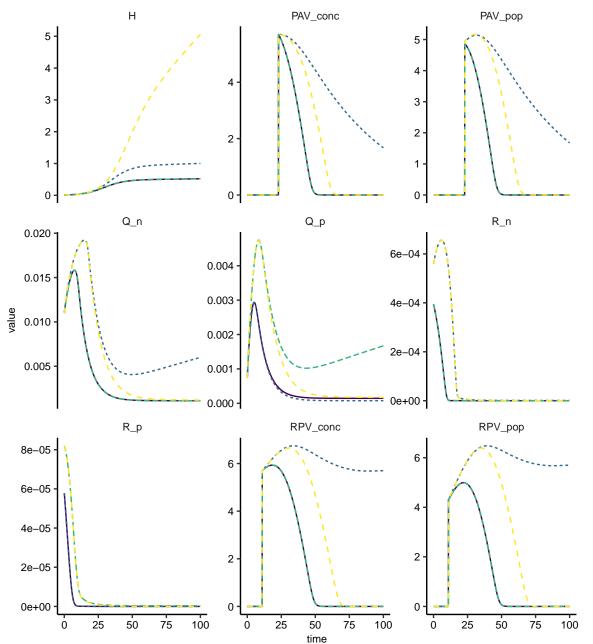
low

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



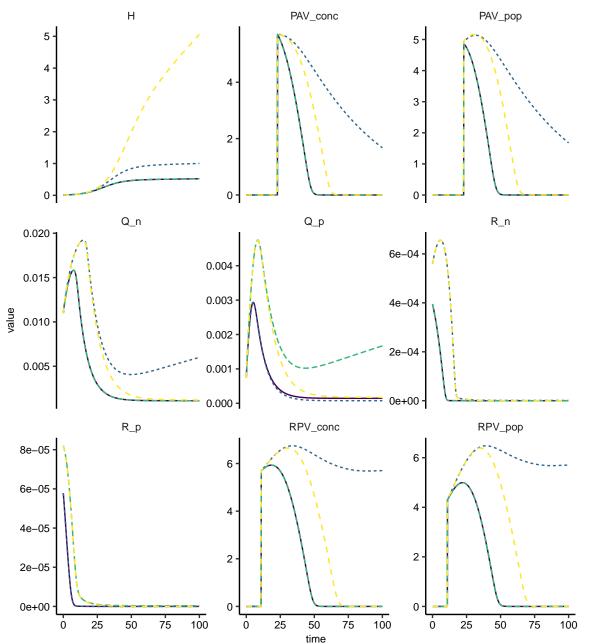
low

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



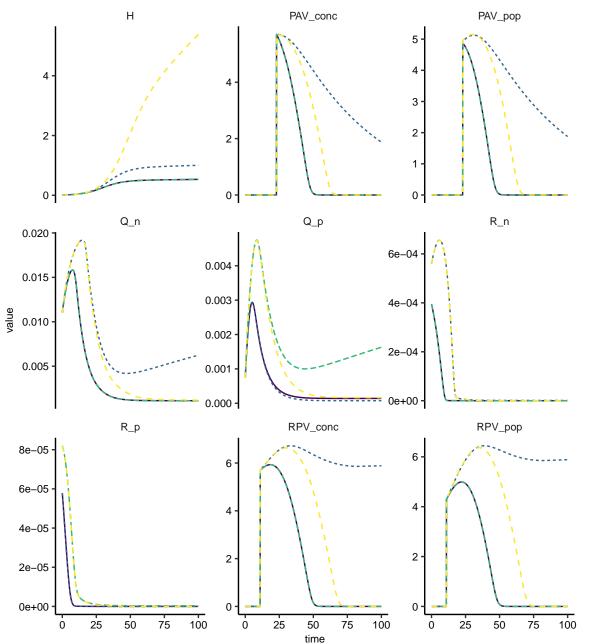
low

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



low

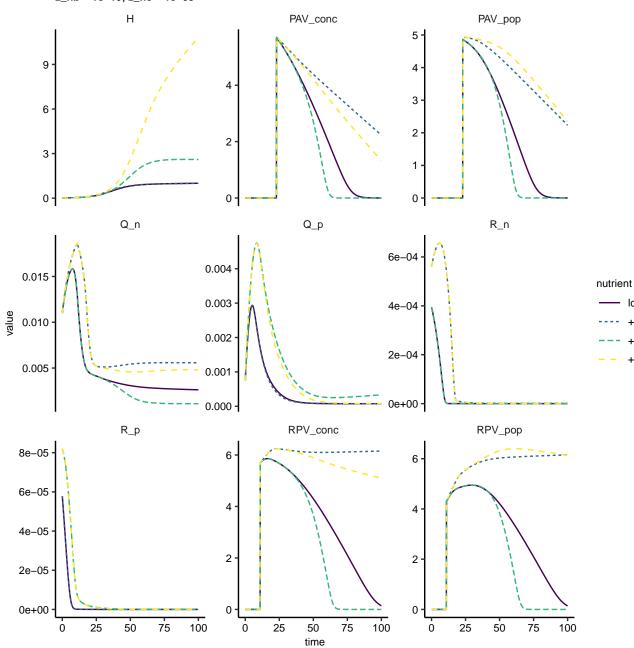
z_nb = 1e-10; z_nc = 1e-10



low

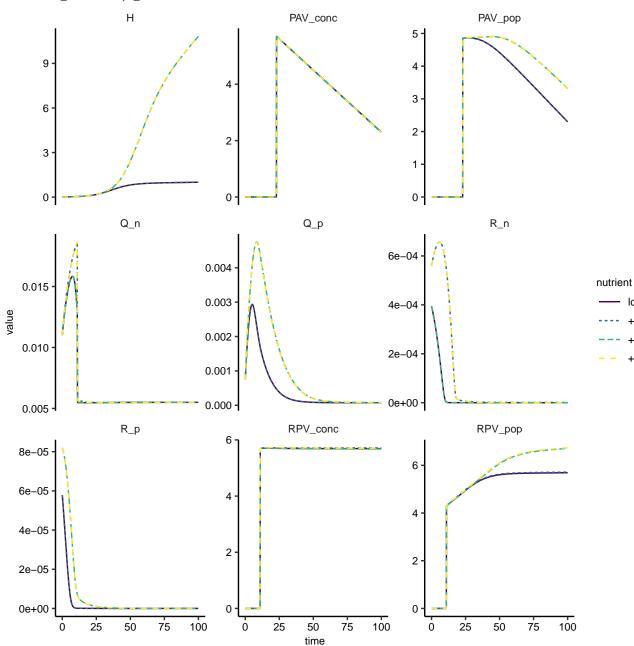
+N

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



low

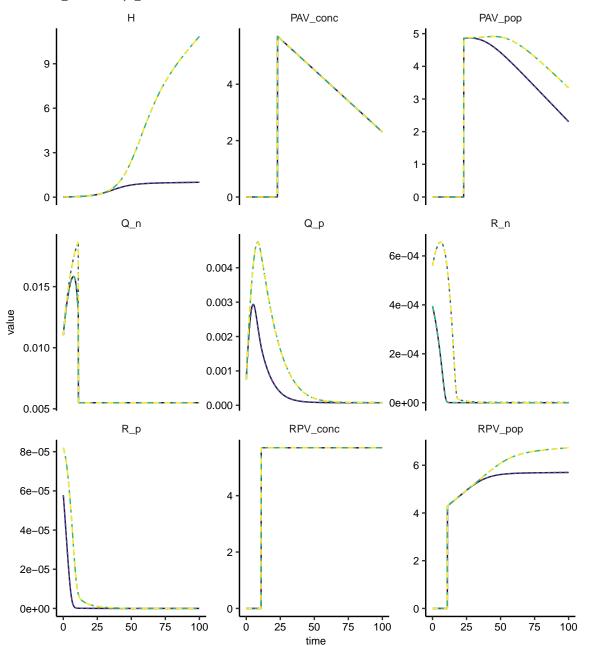
z_nb = 1e-10; z_nc = 1e-06



low

+N

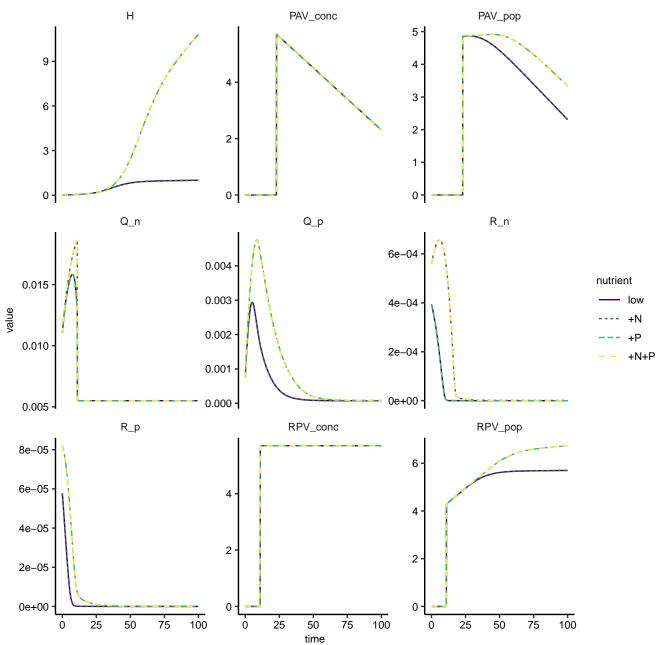
z_nb = 1e-10; z_nc = 1e-04



low

+N

z_nb = 1e-10; z_nc = 0.01



z_nb = 1e-10; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05

75

100

25

50

25

50

time

100

75

0e+00

0

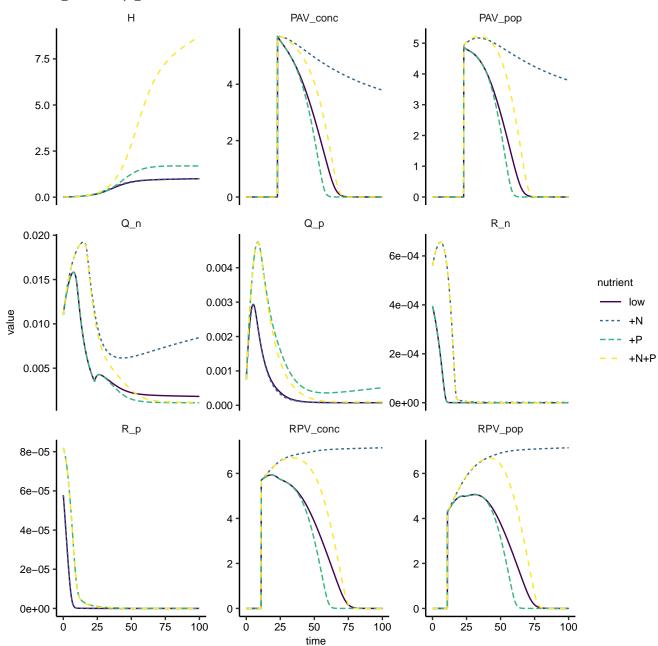
25

50

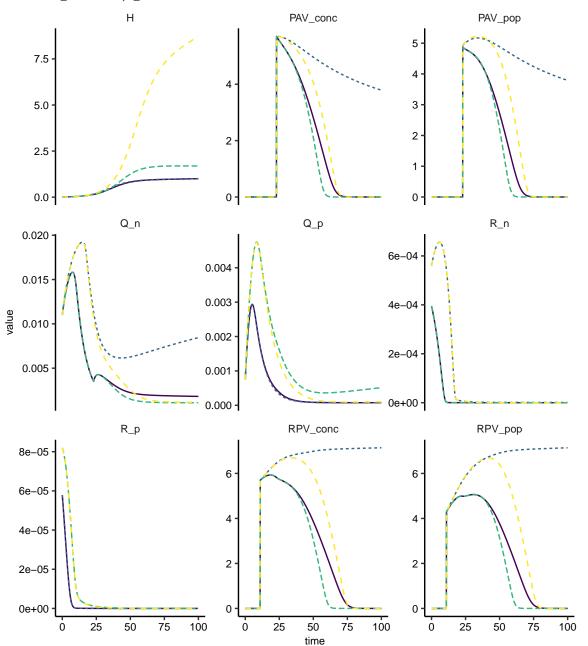
75

100

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



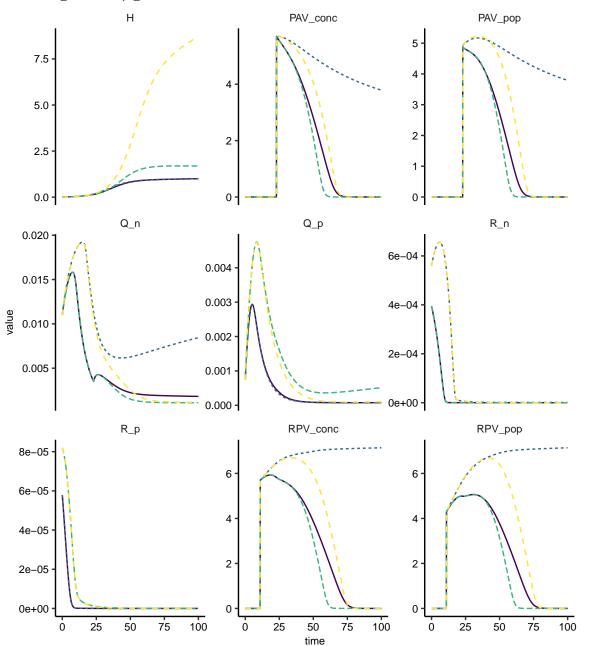
z_nb = 1e-08; z_nc = 1e-16



low

+N

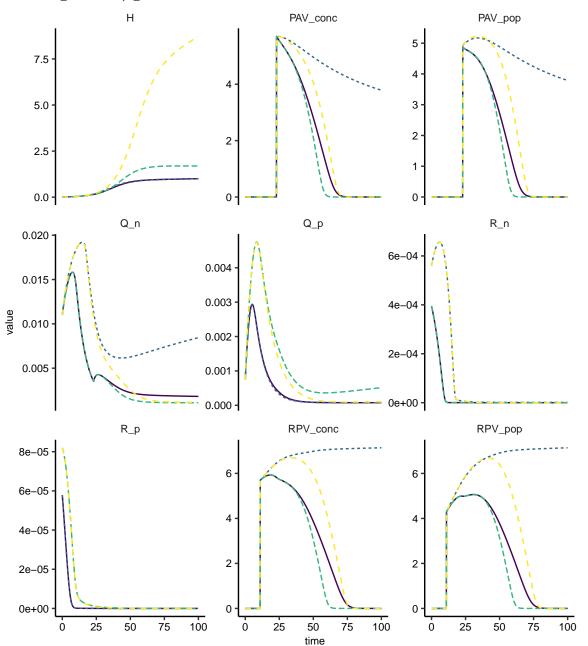
z_nb = 1e-08; z_nc = 1e-14



low

+N

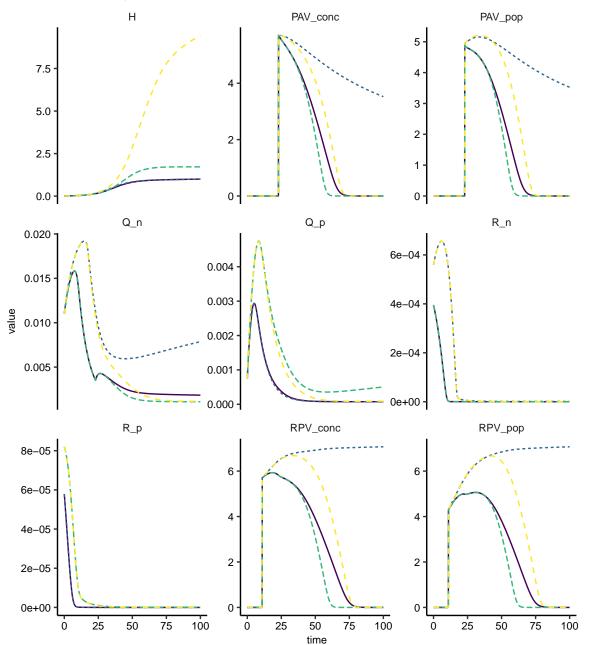
z_nb = 1e-08; z_nc = 1e-12



low

+N

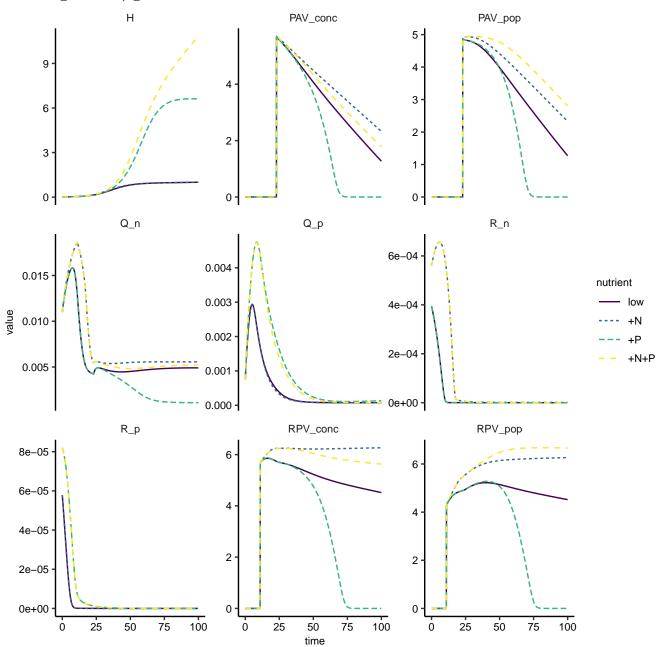
z_nb = 1e-08; z_nc = 1e-10



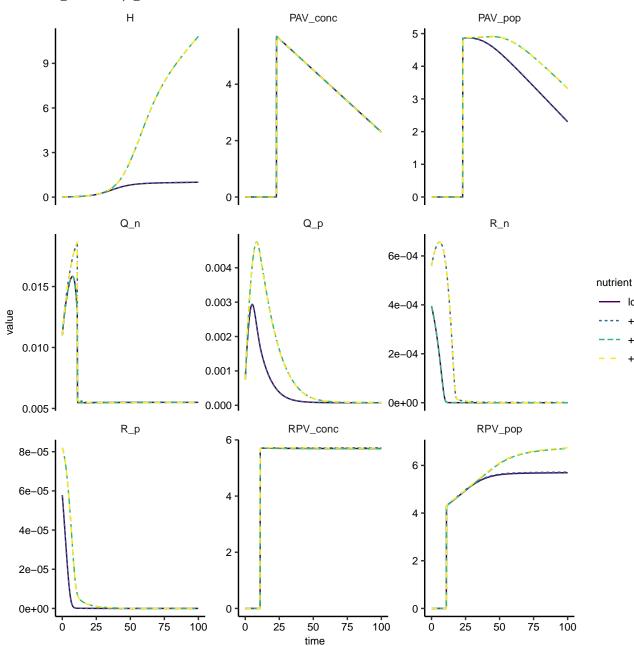
low

+N

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



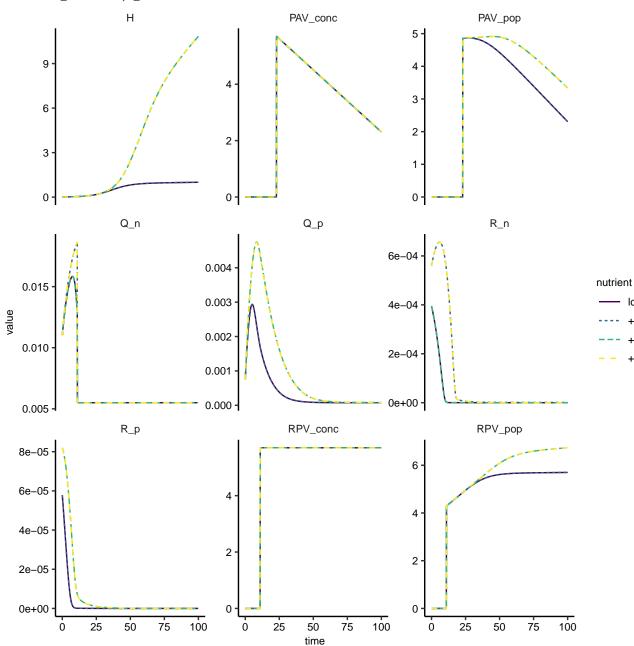
z_nb = 1e-08; z_nc = 1e-06



low

+N

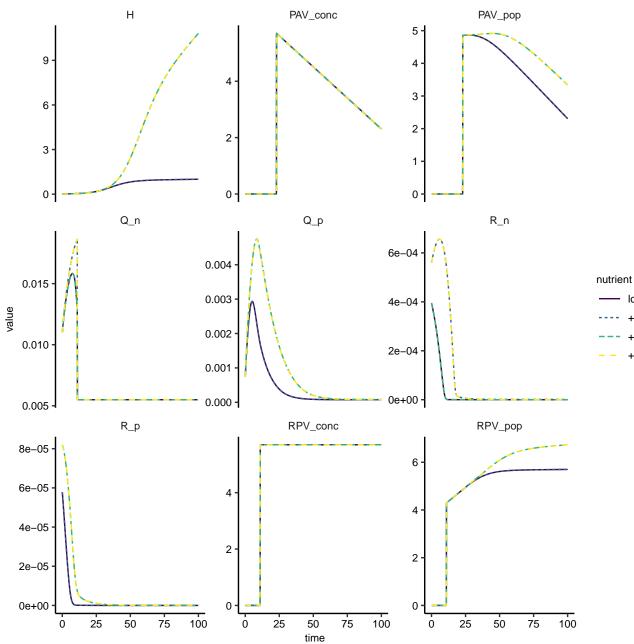
z_nb = 1e-08; z_nc = 1e-04



low

+N

z_nb = 1e-08; z_nc = 0.01



low

+N

z_nb = 1e-08; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05

75

100

25

50

25

50

time

100

75

0e+00

0

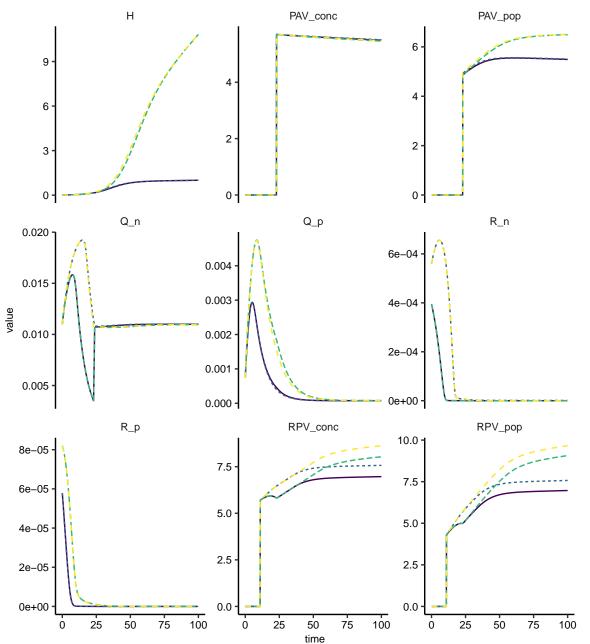
25

50

75

100

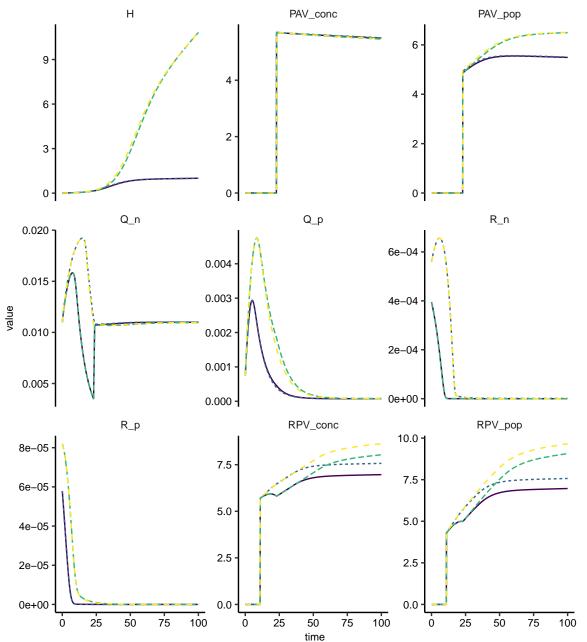
z_nb = 1e-06; z_nc = 1e-18



low

+N

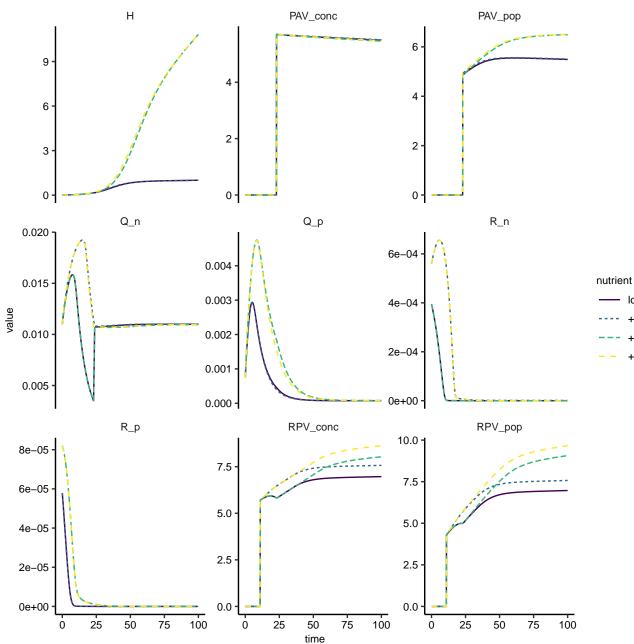
z_nb = 1e-06; z_nc = 1e-16



low

+N

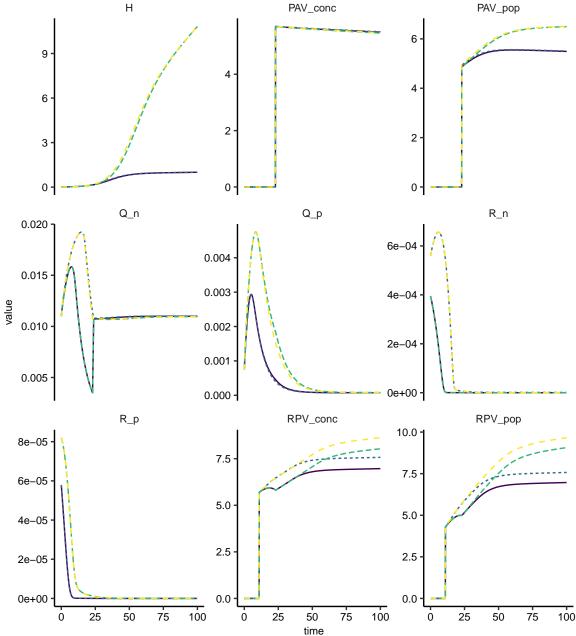
z_nb = 1e-06; z_nc = 1e-14



low

+N

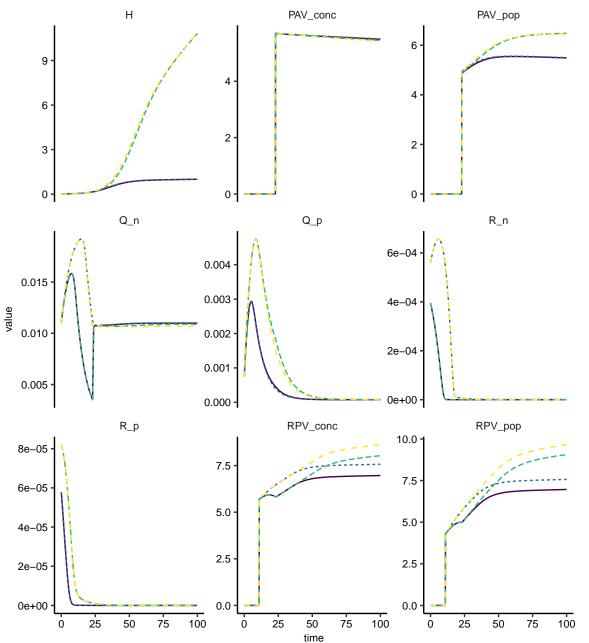
z_nb = 1e-06; z_nc = 1e-12 Н PAV_conc 9 4 6 2 3 0 -Q_n Q_p 0.020 -0.004 0.015 0.003 value 0.010 0.002



low

+N

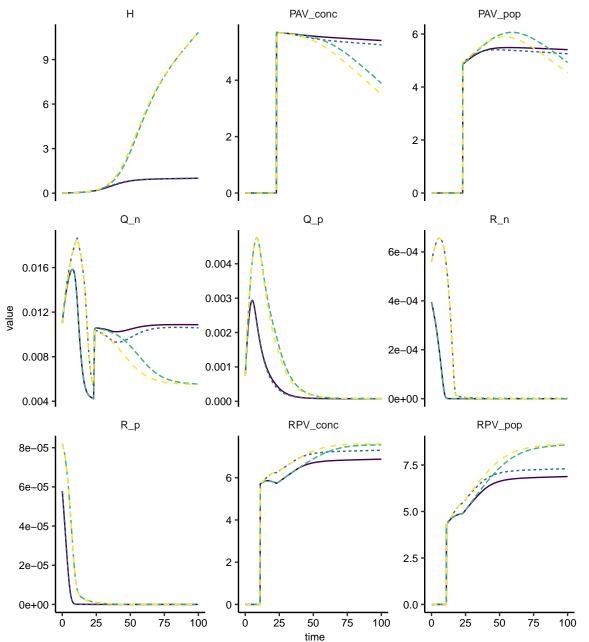
z_nb = 1e-06; z_nc = 1e-10 Н



low

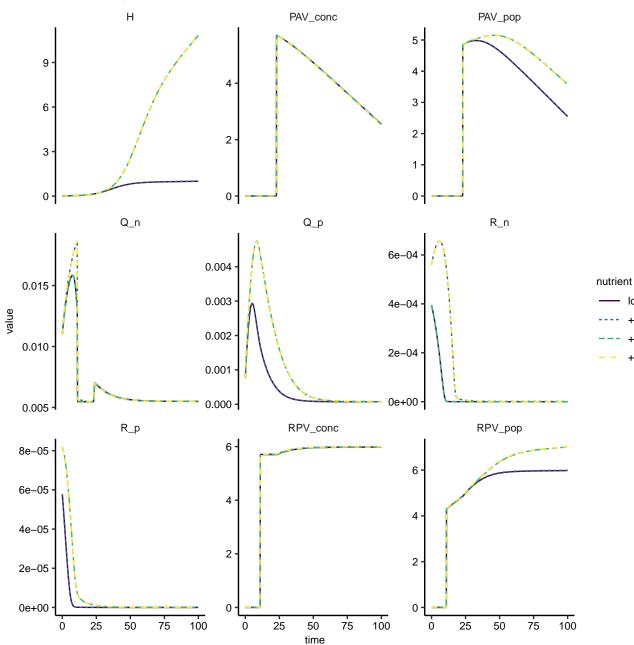
+N

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



low

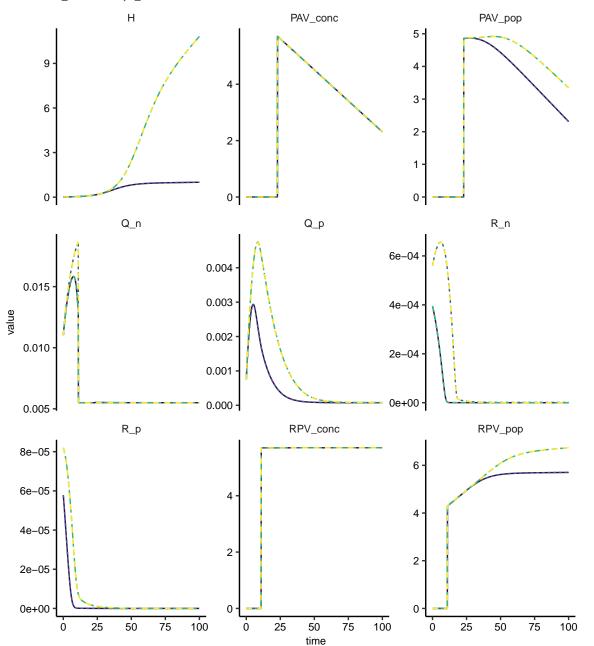
z_nb = 1e-06; z_nc = 1e-06



low

+N

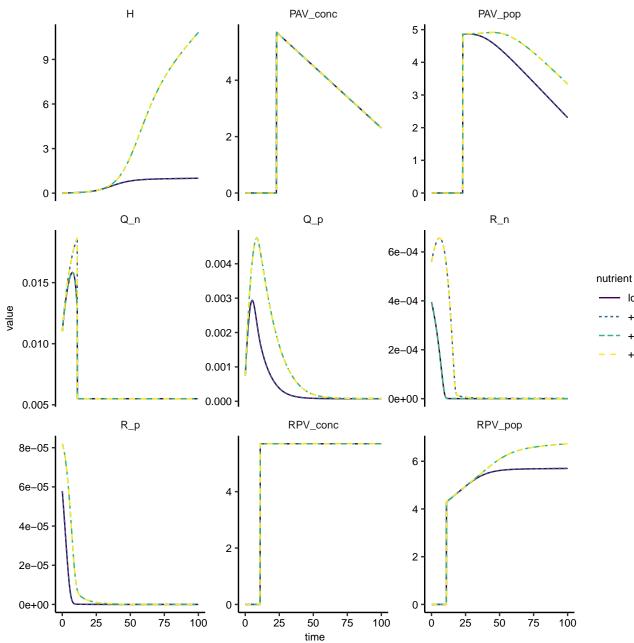
z_nb = 1e-06; z_nc = 1e-04



low

+N

z_nb = 1e-06; z_nc = 0.01



low

+N

z_nb = 1e-06; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05

75

100

25

50

25

50

time

100

75

0e+00

0

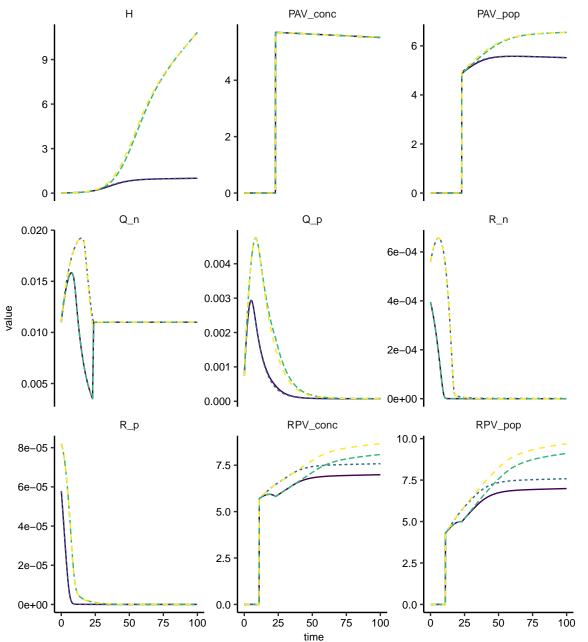
25

50

75

100

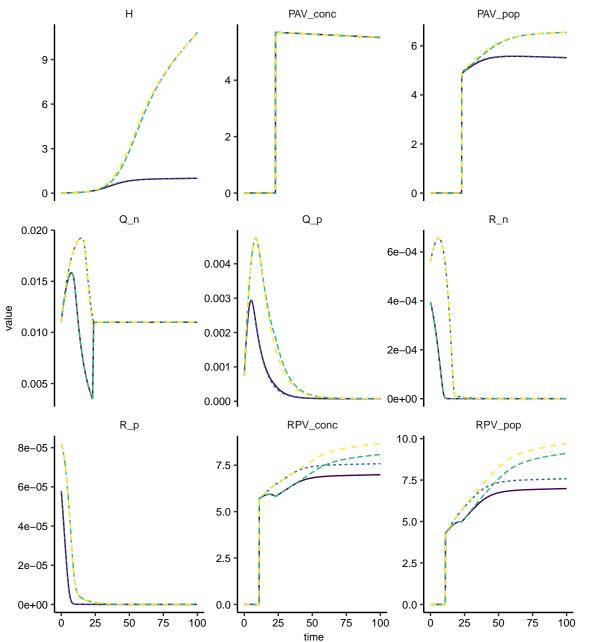
z_nb = 1e-04; z_nc = 1e-18



low

+N

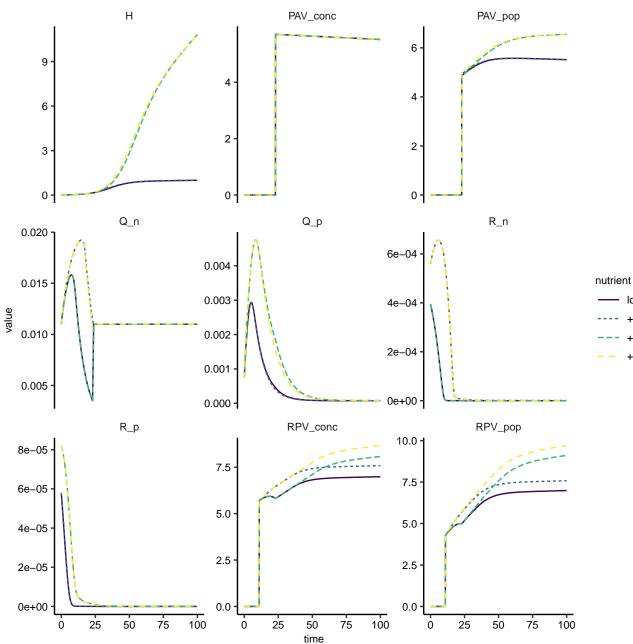
z_nb = 1e-04; z_nc = 1e-16



low

+N

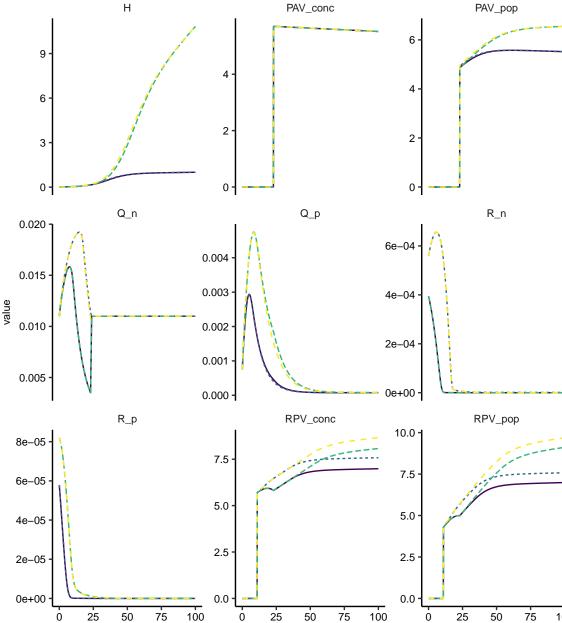
z_nb = 1e-04; z_nc = 1e-14



low

+N

z_nb = 1e-04; z_nc = 1e-12 Н PAV_conc 9 4 6 2 3 0 -Q_n Q_p 0.020 -0.004 0.015 0.003 value 0.010 0.002



time

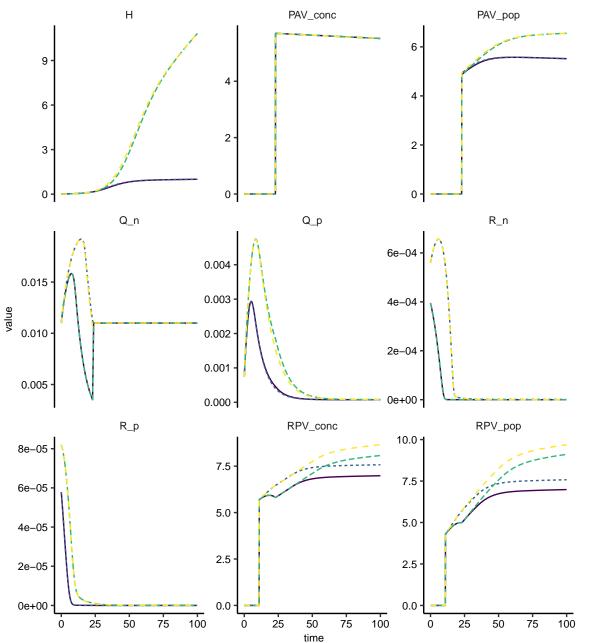


nutrient

low

+N

z_nb = 1e-04; z_nc = 1e-10 Н

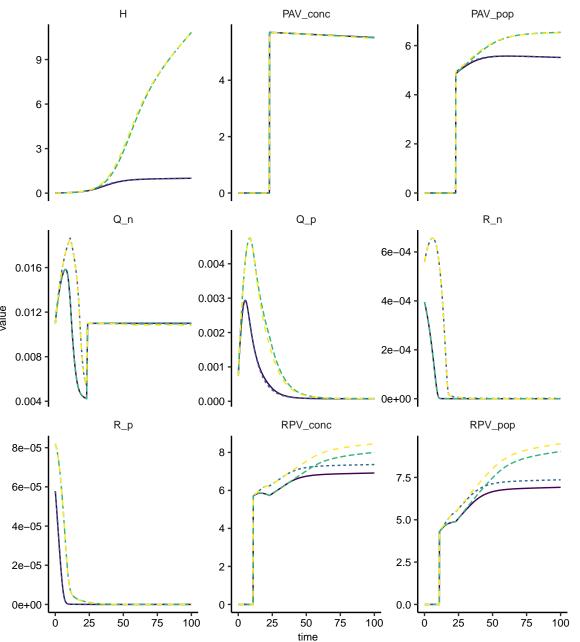


nutrient

low

+N

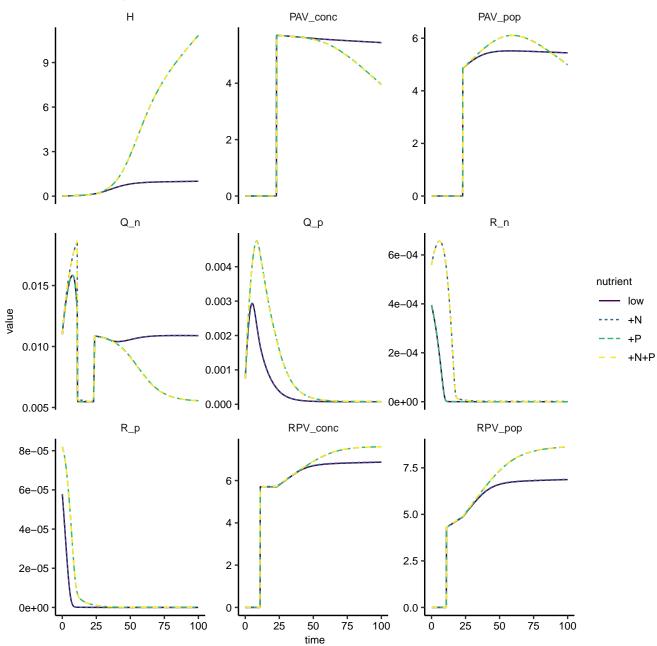
z_nb = 1e-04; z_nc = 1e-08 Н



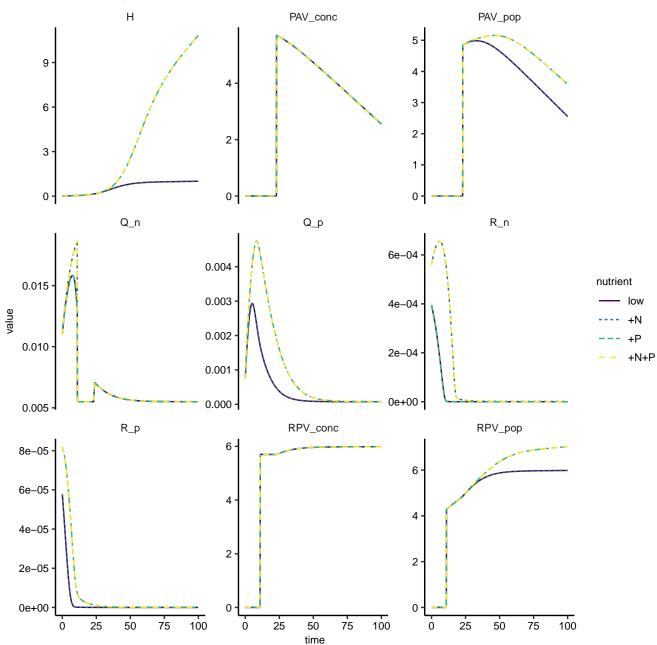
nutrient

low

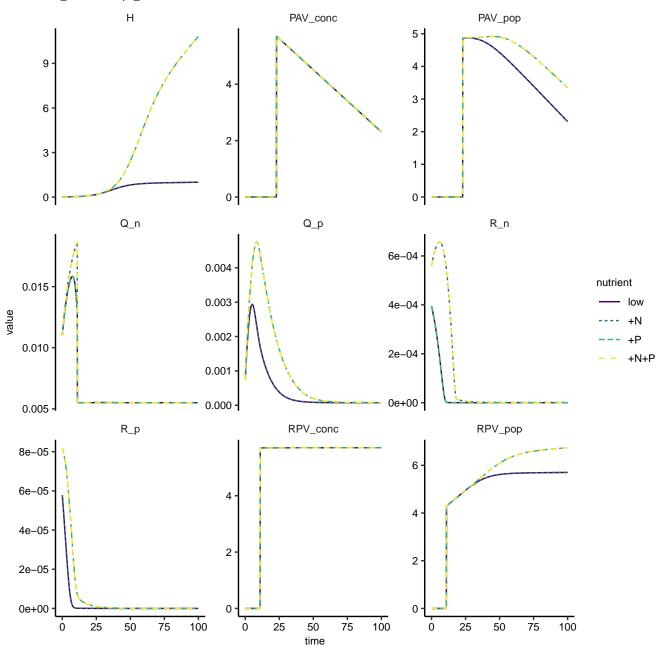
z_nb = 1e-04; z_nc = 1e-06



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



z_nb = 1e-04; z_nc = 0.01



z_nb = 1e-04; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05

100

25

50

25

50

time

100

75

0e+00

0

25

50

75

z_nb = 0.01; z_nc = 1e-18 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.020 -0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0

0.0

25

50

time

100

4e-05

2e-05

0e+00

0

25

50

75

5.0

2.5

0.0

25

50

100

100

75

z_nb = 0.01; z_nc = 1e-16 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.020 -0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05

0.0

25

50

100

100

75

75

2.5

0.0

25

50

time

100

2e-05

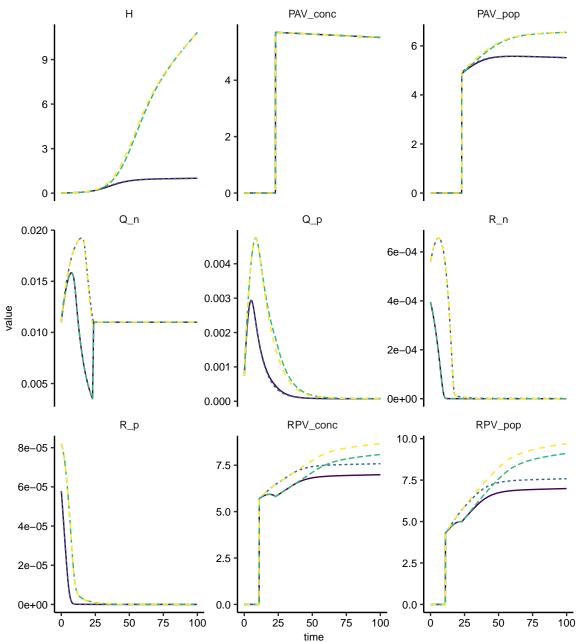
0e+00

0

25

50

z_nb = 0.01; z_nc = 1e-14 Н 9



nutrient

low

z_nb = 0.01; z_nc = 1e-12 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.020 -0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5

25

50

100

100

75

75

0.0

25

50

time

100

2e-05

0e+00

0

25

50

z_nb = 0.01; z_nc = 1e-10 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5 2e-05

25

50

100

100

75

75

0.0

25

50

time

100

0e+00

0

25

50

z_nb = 0.01; z_nc = 1e-08 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.004 0.016 nutrient 0.003 low 4e-04 0.012 0.002 2e-04 +N+P 0.008 0.001 0e+00 0.004 -0.000 -RPV_pop R_p RPV_conc 8e-05 8 . 7.5 6e-05 6 5.0 4e-05 2.5

25

50

100

100

75

75

2

25

50

time

100

2e-05

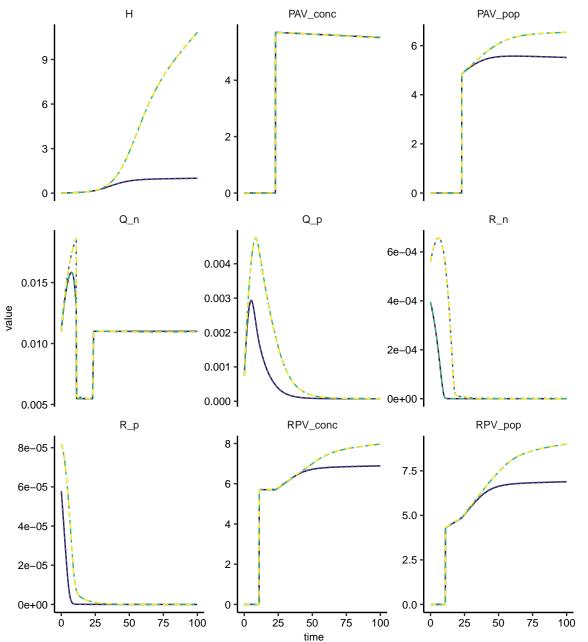
0e+00

0

25

50

z_nb = 0.01; z_nc = 1e-06 Н

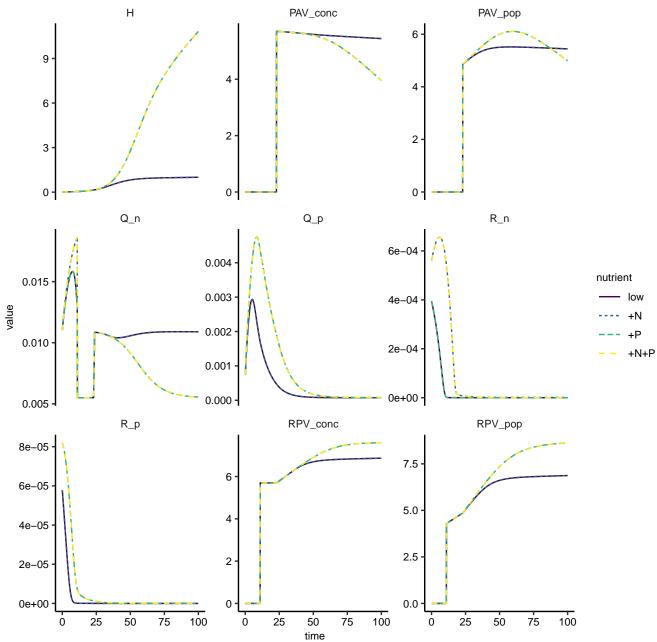


nutrient

low

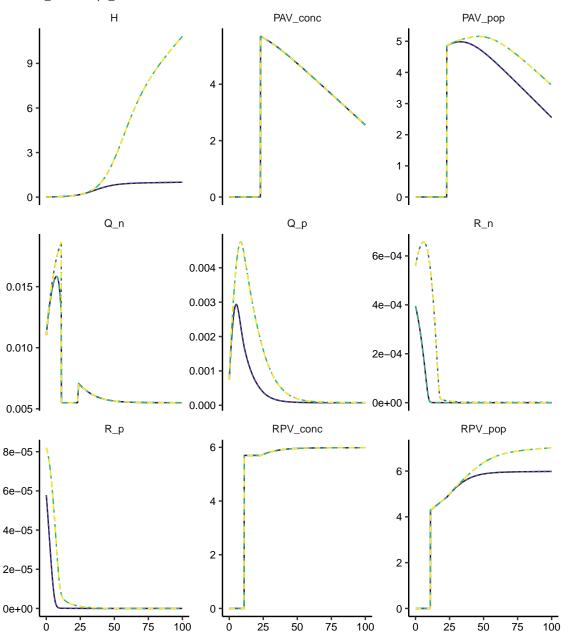
+N

z_nb = 0.01; z_nc = 1e-04



z_nb = 0.01; z_nc = 0.01 Н

value



time

nutrient

low

+N

z_nb = 0.01; z_nc = 1 Н PAV_conc PAV_pop 5 -9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 R_p RPV_conc RPV_pop 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05 0e+00

100

25

50

25

50

time

75

25

0

50

100

100

z_nb = 1; z_nc = 1e-18 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.020 -0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5 2e-05 0e+00 0.0 0.0

100

25

50

25

50

time

25

0

50

75

100

100

z_nb = 1; z_nc = 1e-16 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.020 -0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5 2e-05 0e+00 0.0 0.0

100

25

50

25

50

time

25

0

50

75

100

100

z_nb = 1; z_nc = 1e-14 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.020 -0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5 2e-05 0e+00 0.0 0.0

100

25

50

25

50

time

25

0

50

75

100

100

z_nb = 1; z_nc = 1e-12 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.020 -0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5 2e-05 0e+00 0.0 0.0 75 100

0

50

75

100

25

50

time

100

25

50

z_nb = 1; z_nc = 1e-10 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.004 nutrient 0.015 0.003 low 4e-04 value 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -0.000 -RPV_conc R_p RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5 2e-05 0e+00 0.0 0.0

100

25

50

25

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time

25

0

50

75

100

100

z_nb = 1; z_nc = 1e-08 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 0.004 0.016 nutrient 0.003 low 4e-04 0.012 0.002 2e-04 +N+P 0.008 0.001 0e+00 0.004 -0.000 -RPV_pop R_p RPV_conc 8e-05 8 . 7.5 6e-05 6 5.0 4e-05 2.5 2e-05 2 0e+00 0.0

100

25

50

25

50

time

100

75

100

25

0

50

z_nb = 1; z_nc = 1e-06 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 RPV_pop R_p RPV_conc 8 -8e-05 7.5 6 6e-05 5.0 4e-05 2.5 2e-05 2

25

50

100

100

75

75

25

50

time

0e+00

0

25

50

75

z_nb = 1; z_nc = 1e-04 Н PAV_conc PAV_pop 6 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 RPV_pop R_p RPV_conc 8e-05 7.5 6 6e-05 5.0 4e-05 2.5 2e-05 2

25

50

100

100

75

75

25

50

time

0e+00

0

25

50

75

z_nb = 1; z_nc = 0.01 Н PAV_conc PAV_pop 9 4 4 6 2 2 3 0 -Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 RPV_conc RPV_pop R_p 8e-05 7.5 6 6e-05 5.0 4e-05 2.5 2 2e-05

100

25

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75

25

50

time

100

75

0e+00

Ö

25

50

75

z_nb = 1; z_nc = 1 Н PAV_conc PAV_pop 5 9 4 4 3 6 2 2 3 1 0 -0 Q_n Q_p R_n 6e-04 0.004 nutrient 0.015 0.003 low 4e-04 value +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.000 -0.005 RPV_conc RPV_pop R_p 6 8e-05 6 6e-05 4 4 4e-05 2 2 2e-05 0e+00 75 100 75 100 25 50 25 50 100 25 50 75 0

time