q_nc = 1e-06; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 0.9 0.025 0.025 0.6 0.000 0.000 0.3 -0.025 -0.025 0.0 -0.050 -0.050 Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 0.002 4e-04 value2 0.004 +N 0.001 2e-04 0.002 +N+P 0.000 -0.000 -0e+00 -RPV_pop R_p RPV_conc 15 15 8e-05 6e-05 10 10 4e-05 5 -5 2e-05 0e+00

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time

Ö

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0

40

60

40

60

20

q_nc = 5e-06; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 0.9 0.025 0.025 0.6 0.000 0.000 0.3 -0.025 -0.025 0.0 -0.050 **-**-0.050 Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 0.002 4e-04 0.004 value2 +N 0.001 2e-04 0.002 +N+P 0.000 -0.000 -0e+00 -RPV_pop R_p RPV_conc 15 15 8e-05 6e-05 10 10 4e-05 5 -5 · 2e-05 0e+00

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time

Ö

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0

60

40

40

60

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q_nc = 1e-05; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 0.9 0.025 0.025 0.6 0.000 0.000 0.3 -0.025 -0.025 0.0 -0.050 -0.050 Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 0.002 4e-04 0.004 value2 +N 0.001 2e-04 0.002 +N+P 0.000 -0.000 -0e+00 -RPV_pop R_p RPV_conc 15 15 -8e-05 6e-05 10 10 4e-05 5 -5 · 2e-05 0e+00 60 60 20 40 20 20 40 60 40 Ö

time

q_nc = 2.5e-05; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 0.9 0.025 0.025 0.6 0.000 0.000 0.3 -0.025 -0.025 0.0 -0.050 **-**-0.050 Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 0.002 4e-04 0.004 value2 +N 0.001 2e-04 0.002 +N+P 0.000 -0.000 ----- 0e+00 -RPV_pop R_p RPV_conc 15 -15 8e-05 6e-05 10 10 4e-05 5 -5 · 2e-05

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time

Ö

40

60

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40

0e+00

0

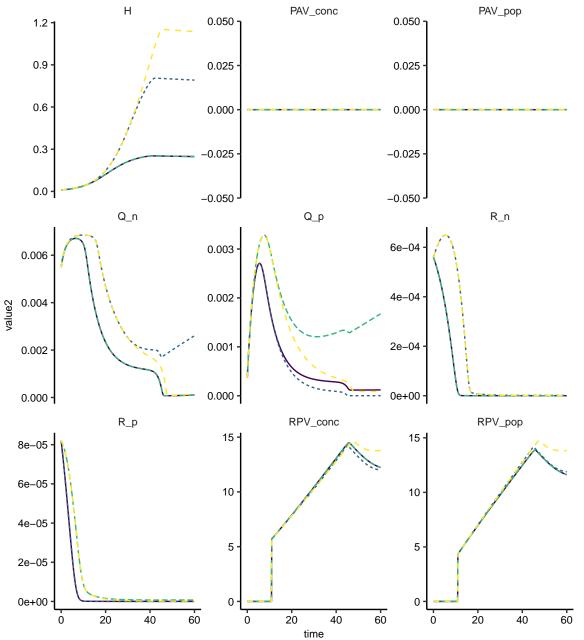
20

60

q_nc = 5e-05; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 0.9 0.025 0.025 0.6 0.000 0.000 0.3 -0.025 -0.025 0.0 -0.050 -0.050 Q_n Q_p R_n 6e-04 0.003 0.006 nutrient 4e-04 low 0.002 0.004 value2 +N 0.001 2e-04 0.002 +N+P 0.000 -0.000 ---- 0e+00 -RPV_pop R_p RPV_conc 15 -15 8e-05 6e-05 10 10 4e-05 5 5 2e-05 0e+00 60 60 20 40 20 20 60 40 0 40 Ö

time

q_nc = 7.4e-05; q_pc = 1e-06 H

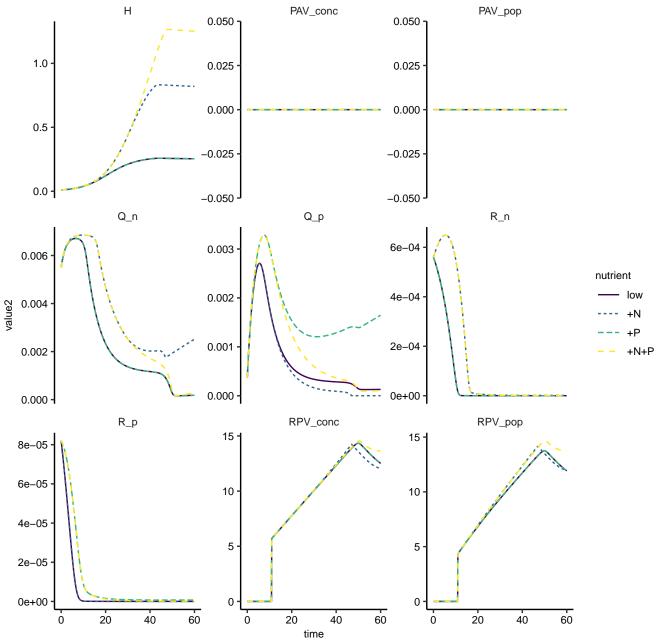


nutrient

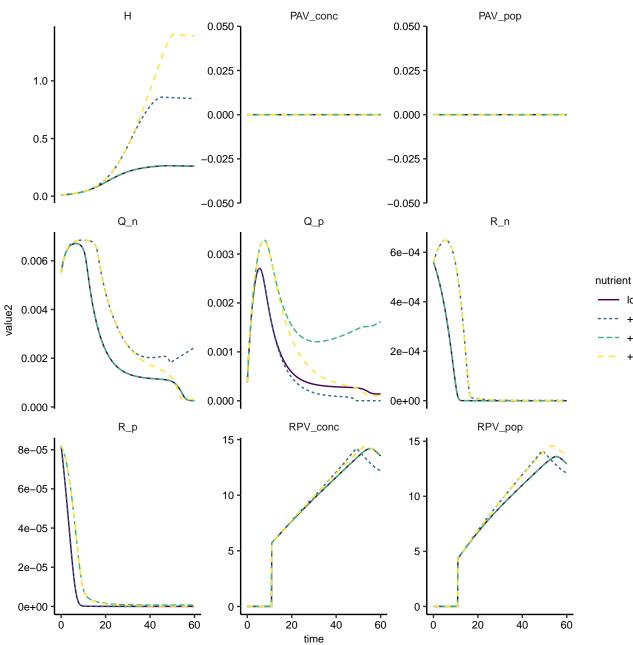
low

+N

q_nc = 0.000158986144067704; q_pc = 1e-06



q_nc = 0.000240318387091076; q_pc = 1e-06



low

+N

q_nc = 3e-04; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 1.5 -0.025 0.025 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 **-**-0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 0.002 4e-04 value2 0.004 +N 0.001 2e-04 +N+P 0.002 0.000 -0e+00 -RPV_pop R_p RPV_conc 15 ¬ 15 + 8e-05 6e-05 10 -10 4e-05 5 5 2e-05 0e+00

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time

Ö

20

0

40

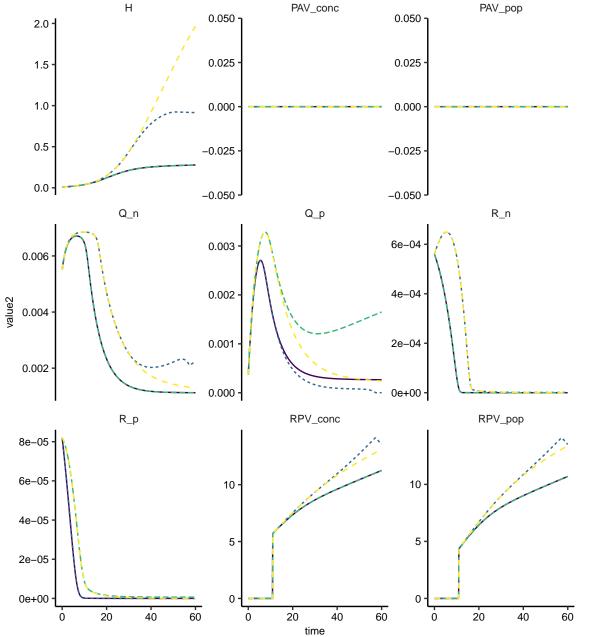
60

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60

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q_nc = 0.000469694614921487; q_pc = 1e-06



nutrient

low

+N

q_nc = 6e-04; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 0.000 1.0 0.000 0.5 -0.025 -0.025 0.0 --0.050 **-**-0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 RPV_pop R_p RPV_conc 8e-05 10 10 6e-05 4e-05 5 -5 -2e-05

20

time

40

60

20

40

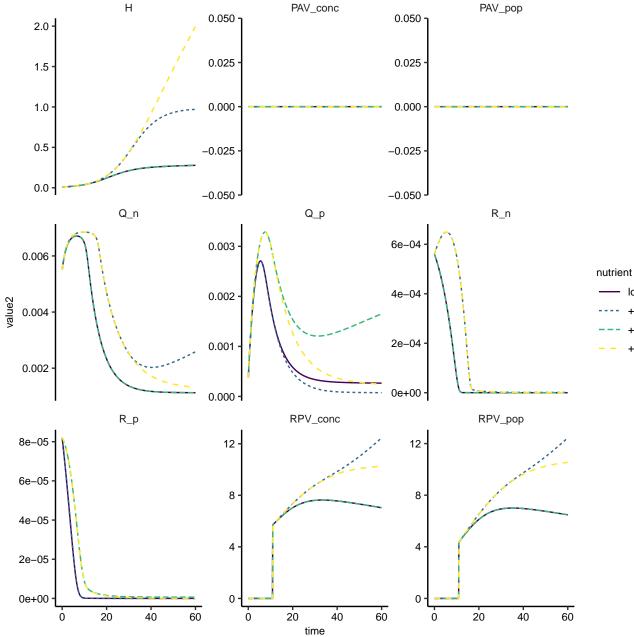
0e+00

Ö

20

40

q_nc = 0.000703148462103179; q_pc = 1e−06 H



low

+N

q_nc = 9e-04; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 0.000 1.0 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_pop R_p RPV_conc 8e-05 10.0 10.0 6e-05 7.5 7.5 4e-05 5.0 5.0 2e-05 2.5 2.5 0.0 0e+00 0.0

20

time

Ö

40

20

Ö

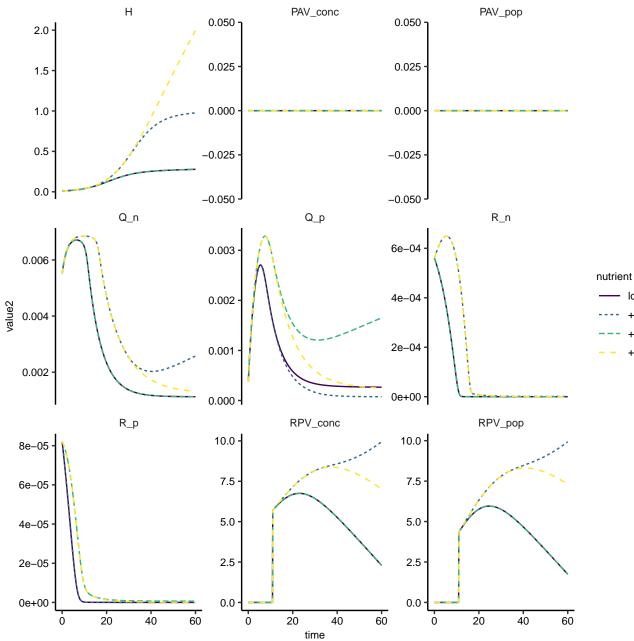
40

60

60

20

q_nc = 0.000966058960551902; q_pc = 1e-06



low

+N

q_nc = 0.0011; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 0.000 1.0 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_conc RPV_pop R_p 8e-05 7.5 -7.5 6e-05 5.0 5.0 4e-05

2.5

0.0

Ö

60

20

time

40

2e-05

0e+00

0

20

40

2.5

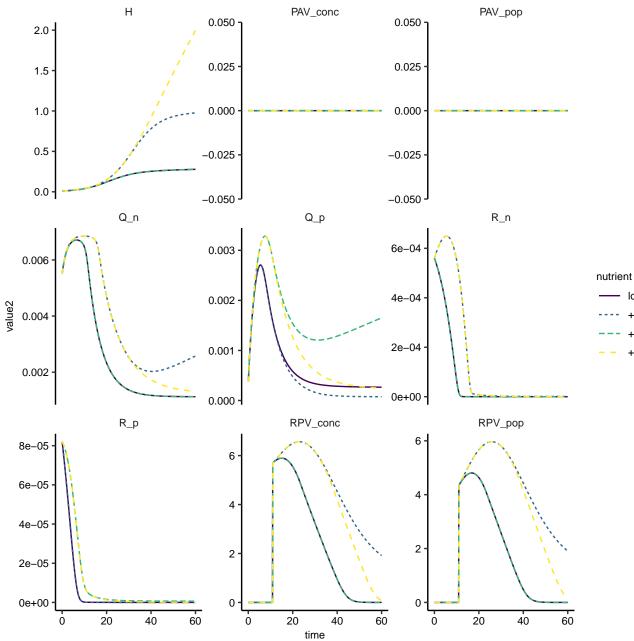
0.0

20

40

60

q_nc = 0.00180559574567843; q_pc = 1e-06



low

+N

q_nc = 0.003; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_conc RPV_pop R_p 5 -6 7 8e-05 4 6e-05 4 3 4e-05 2 . 2 ·

time

Ö

40

60

1

0

20

60

40

2e-05

0e+00

Ö

20

40

q_nc = 0.005; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_conc RPV_pop R_p 8e-05 4 6e-05 4 3 4e-05 2 · 2 -

time

Ö

40

60

1

0

20

40

60

2e-05

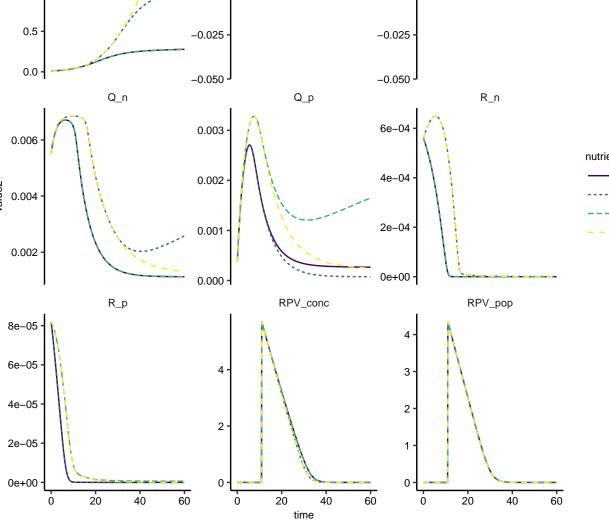
0e+00

Ö

20

40

q_nc = 0.007; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_pop R_p RPV_conc 8e-05 4 6e-05 4 3



q_nc = 0.01; q_pc = 1e-06 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_pop R_p RPV_conc 8e-05 4 6e-05 4 3 4e-05 2 · 2 -2e-05 1

Ö

40

time

60

20

0

60

40

0e+00

0

20

40

q_nc = 1e-06; q_pc = 5e-06 Н PAV_conc PAV_pop 0.050 0.050 0.9 0.025 0.025 0.6 0.000 0.000 0.3 -0.025 -0.025 0.0 -0.050 -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 0.002 4e-04 value2 0.004 +N 0.001 2e-04 0.002 +N+P 0.000 -0.000 -0e+00 -RPV_pop R_p RPV_conc 15 15 -8e-05 6e-05 10 10 4e-05 5 -5 . 2e-05 0e+00 60 60 20 40 20 20 40 60 40 0 Ö

time

q_nc = 1e-06; q_pc = 1e-05 Н PAV_conc PAV_pop 0.050 0.050 0.9 0.025 0.025 0.6 0.000 0.000 0.3 -0.025 -0.025 0.0 -0.050 -0.050 Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 0.002 4e-04 value2 0.004 +N 0.001 2e-04 0.002 +N+P 0.000 -0.000 -0e+00 -RPV_pop R_p RPV_conc 15 -15 8e-05 6e-05 10 10 4e-05 5 · 5 2e-05 0e+00

20

time

Ö

20

0

60

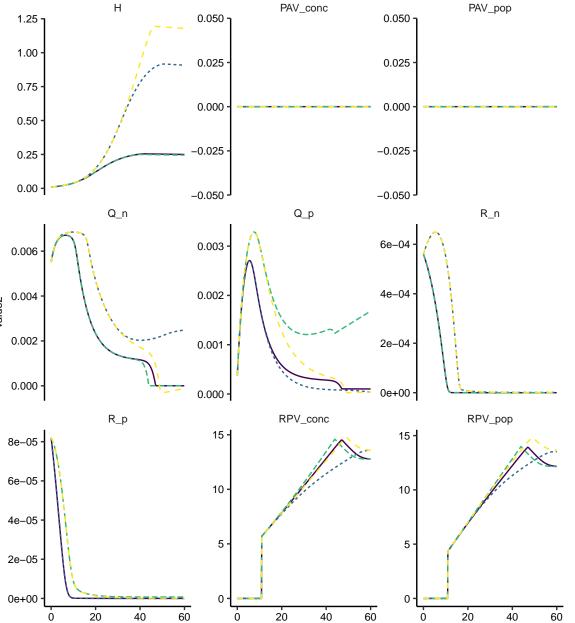
40

40

60

20

q_nc = 1e-06; q_pc = 2.5e-05 Н 1.25 -



time

nutrient

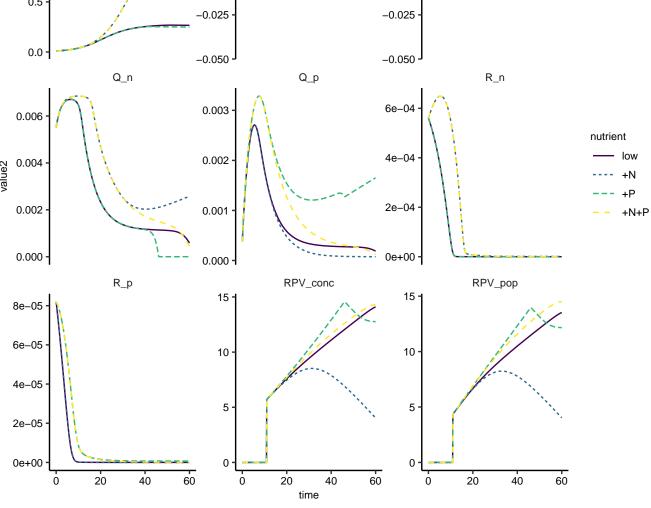
low

+N

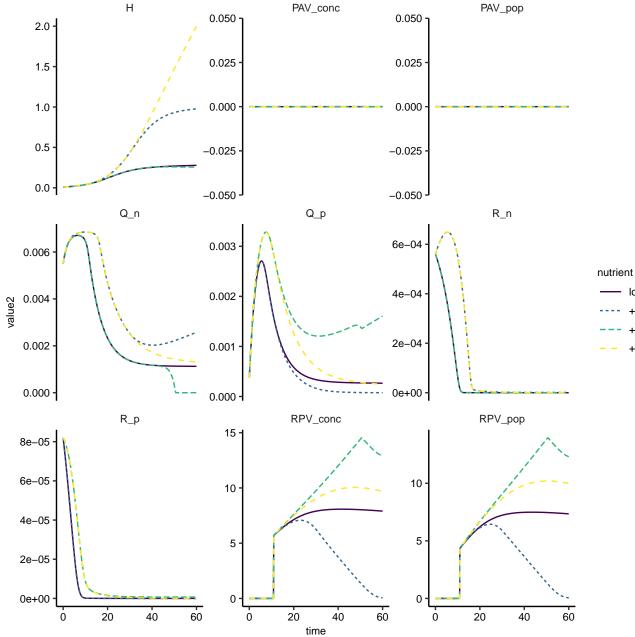
q_nc = 1e-06; q_pc = 5e-05 Н PAV_conc PAV_pop 0.050 0.050 0.025 0.025 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 0.004 value2 +N 2e-04 0.002 0.001 +N+P 0.000 -0e+00 -0.000 RPV_pop R_p RPV_conc 15 **-**15 -8e-05 6e-05 10 10 4e-05 5 5 -2e-05 0e+00 60 60 20 40 20 20 60 40 0 40 Ö

time

q_nc = 1e-06; q_pc = 7.4e-05 Н PAV_conc PAV_pop 0.050 0.050 1.5 0.025 0.025 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 **-**-0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.002 0.001 +N+P 0.000 -0e+00 -0.000 -RPV_pop R_p RPV_conc 15 + 15 **-**8e-05 6e-05 10 10 -



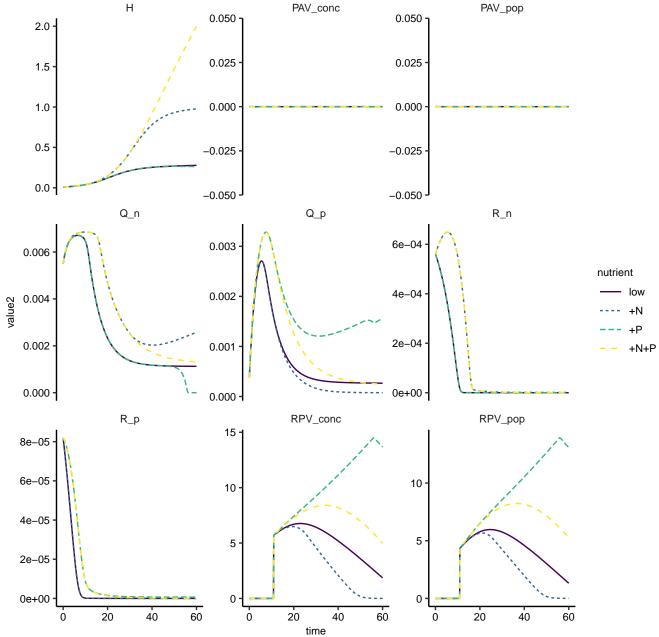
q_nc = 1e-06; q_pc = 0.000158986144067704



low

+N

q_nc = 1e-06; q_pc = 0.000240318387091076



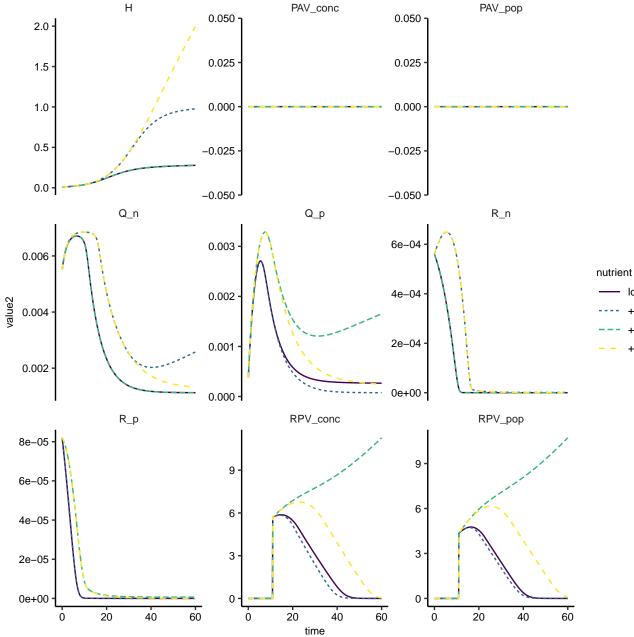
q_nc = 1e-06; q_pc = 3e-04 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 0.000 1.0 0.000 0.5 -0.025 -0.025 0.0 --0.050 **-**-0.050 Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_conc RPV_pop R_p 15 7 8e-05 6e-05 10 10 -4e-05 5 5 2e-05 0e+00 20 20 60 20 40 60 40 60 40

Ö

time

Ö

q_nc = 1e-06; q_pc = 0.000469694614921487



low

+N

q_nc = 1e-06; q_pc = 6e-04 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 0.000 1.0 0.000 0.5 -0.025 -0.025 0.0 --0.050 -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_conc RPV_pop R_p 8e-05 8 7.5 6e-05 6 5.0 4e-05 4 2.5 -2e-05 2 -

0.0

Ö

60

20

time

40

60

20

0

40

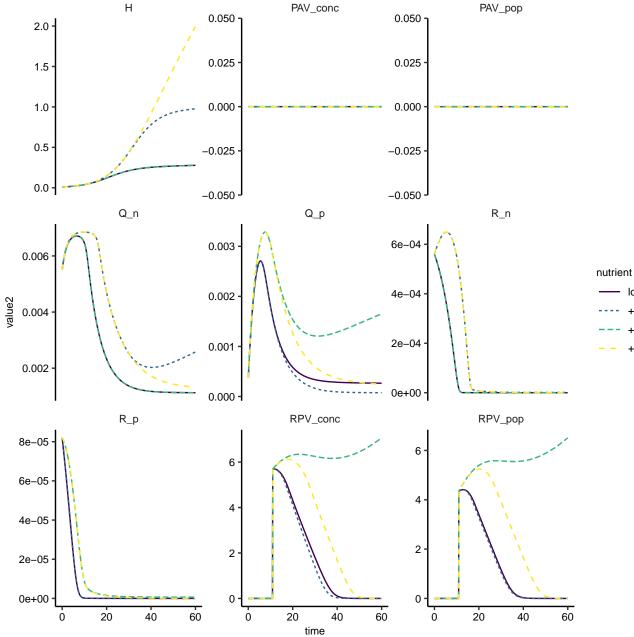
60

0e+00

Ö

20

q_nc = 1e-06; q_pc = 0.000703148462103179



low

+N

q_nc = 1e-06; q_pc = 9e-04 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 **-**-0.050 Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_pop R_p RPV_conc 5 -6 -8e-05 4 6e-05 4 3 4e-05 2 · 2 -2e-05

Ö

40

time

60

0e+00

Ö

20

40

60

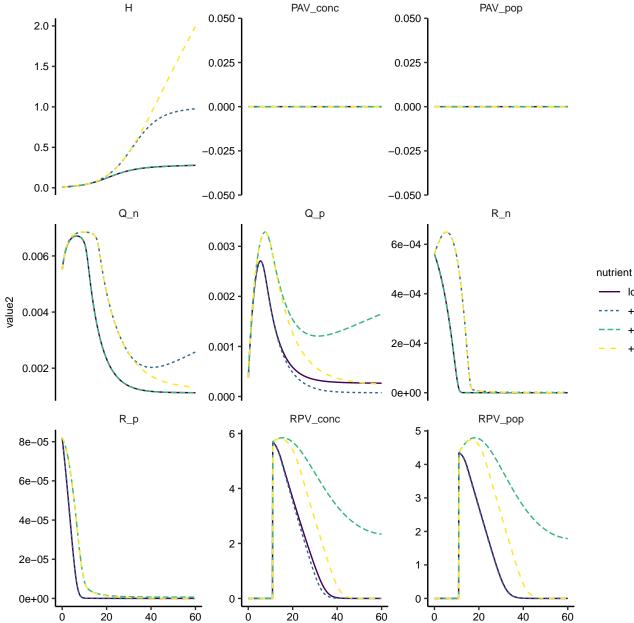
1

0

20

60

q_nc = 1e-06; q_pc = 0.000966058960551902 H



time

low

+N

q_nc = 1e-06; q_pc = 0.0011 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_conc RPV_pop R_p 6 8e-05 4 6e-05 4 3 -4e-05 2 -2 · 2e-05 1

time

Ö

40

60

20

0

40

60

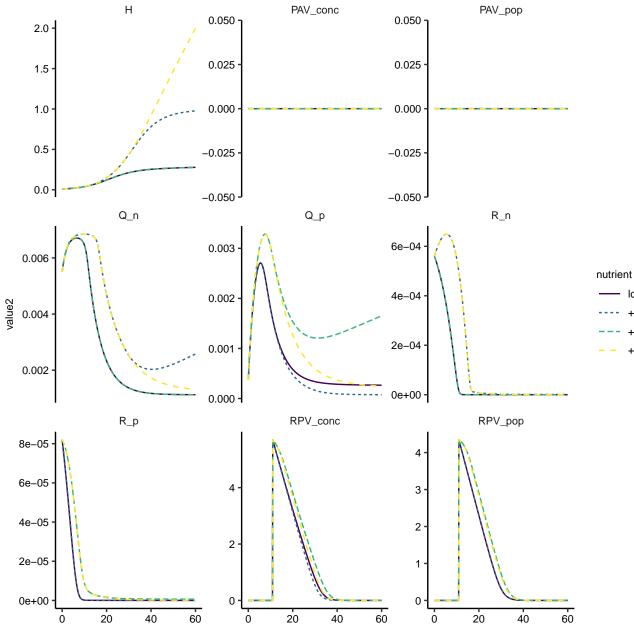
0e+00

Ö

20

40

q_nc = 1e-06; q_pc = 0.00180559574567843 H

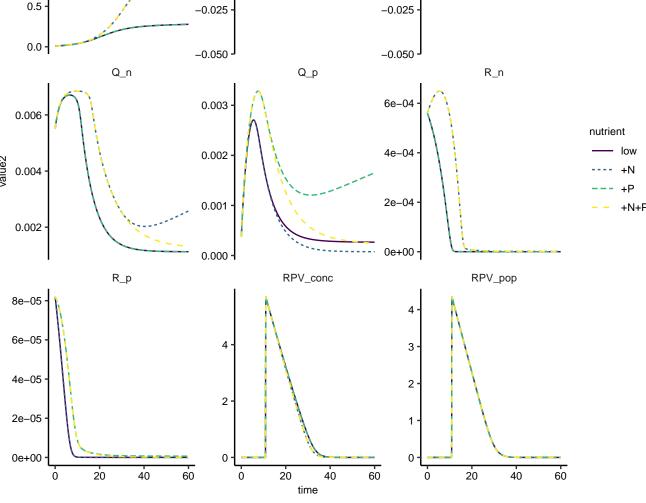


time

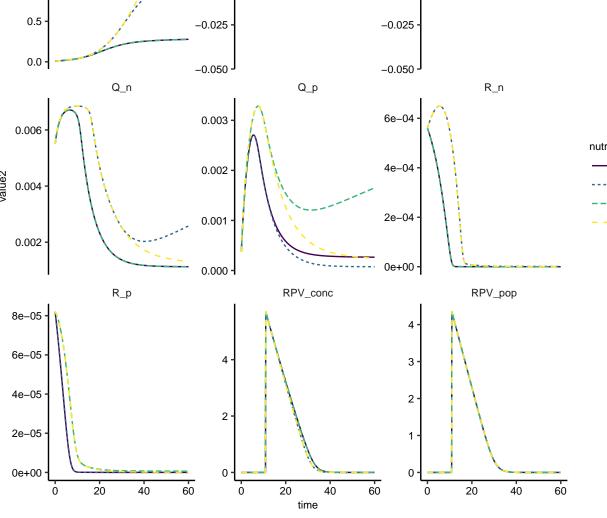
low

+N

q_nc = 1e-06; q_pc = 0.003 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_pop R_p RPV_conc 8e-05 4 6e-05 4 3



q_nc = 1e-06; q_pc = 0.005 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_pop R_p RPV_conc 8e-05 4 6e-05 4 3



q_nc = 1e-06; q_pc = 0.007 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_pop R_p RPV_conc 8e-05 4 6e-05 4 3 4e-05 2 · 2 · 2e-05 1

Ö

40

time

60

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0

60

40

0e+00

Ö

20

40

q_nc = 1e-06; q_pc = 0.01 Н PAV_conc PAV_pop 0.050 0.050 2.0 -0.025 0.025 1.5 1.0 0.000 0.000 0.5 -0.025 -0.025 0.0 --0.050 J -0.050 -Q_n Q_p R_n 6e-04 0.003 0.006 nutrient low 4e-04 0.002 value2 0.004 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -RPV_pop R_p RPV_conc 8e-05 4 6e-05 4 3 4e-05 2 ·

