q_nc = 1.1e-05; z_nc = 1.7e-18 Н PAV_conc PAV_pop 6 6 2 4 1 2 2 0 -Q_n Q_p R_n 0.003 0.006 nutrient low 4e-04 0.002 0.004 +N 2e-04 0.001 0.002 +N+P 0.000 -0e+00 0.000 RPV_conc R_p RPV_pop 15 -8e-05 15 -6e-05 10 10 4e-05 5 -5 2e-05 0e+00 100 75 100 75 25 50 100 25 50 75

0

. 25

q_nc = 1.1e-05; z_nc = 1.7e-12 Н PAV_conc PAV_pop 1.00 6 -6 0.75 4 0.50 2 2 0.25 0.00 -Q_n Q_p R_n 0.006 0.003 nutrient low 4e-04 0.004 0.002 +N 2e-04 0.002 +N+P 0.001 0.000 -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

0.0

25

50

100

100

75

0.0

Ö

25

50

time

75

100

75

0e+00

0

. 25

q_nc = 1.1e-05; z_nc = 1.7e-06 Н PAV_conc PAV_pop 4 0.04 4 3 0.03 2 2 0.02 1 0.01 0 -Q_n R_n Q_p 6e-04 0.006 0.0075 nutrient low 4e-04 0.004 0.0050 +N 2e-04 0.002 +N+P 0.0025 0.000 -0e+00 -0.0000 R_p RPV_pop RPV_conc 8e-05 4 6e-05 4 3 4e-05 2

25

50

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25

50 time 75

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2e-05

0e+00

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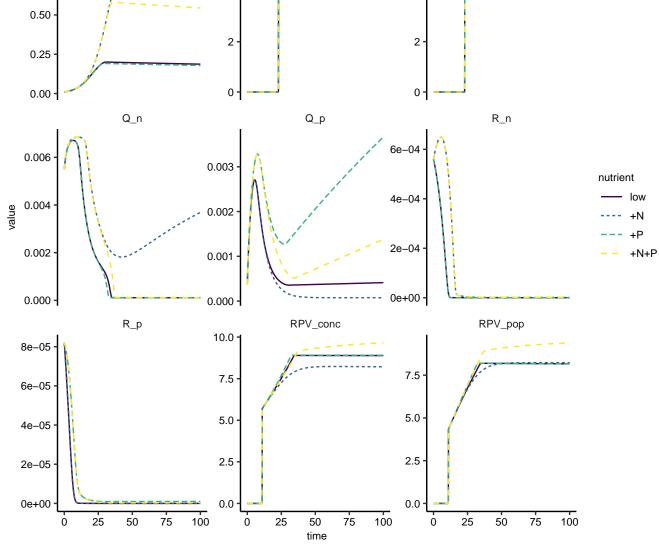
q_nc = 1.1e-05; z_nc = 0.17 Н PAV_conc PAV_pop 10.0 -8 6 7.5 6 4 5.0 4 2 · 2.5 2 0.0 0 Q_n Q_p R_n 0.0e+00 6e-04 0.003 nutrient -2.5e+08 low 4e-04 0.002 9 -5.0e+08 +N 2e-04 0.001 +N+P -7.5e+08 0e+00 0.000 4 -1.0e+09 **-**R_p RPV_conc RPV_pop 10.0 8e-05 -9 7.5 6e-05 6 5.0 4e-05 3 2.5 2e-05 0e+00 0.0 75 100 100 25 100 25 50 25 50 75 0 50 . 75 Ö Ö

q_nc = 0.00011; z_nc = 1.7e-18 Н PAV_conc PAV_pop 6 6 2 4 1 2 2 0 -Q_n Q_p R_n 0.003 0.006 nutrient low 4e-04 0.002 0.004 +N 2e-04 0.001 0.002 +N+P 0e+00 0.000 -0.000 RPV_conc RPV_pop R_p 15 -8e-05 15 -6e-05 10 10 4e-05 5 -5 2e-05 0e+00 100 75 100 75 25 50 100 25 50 75

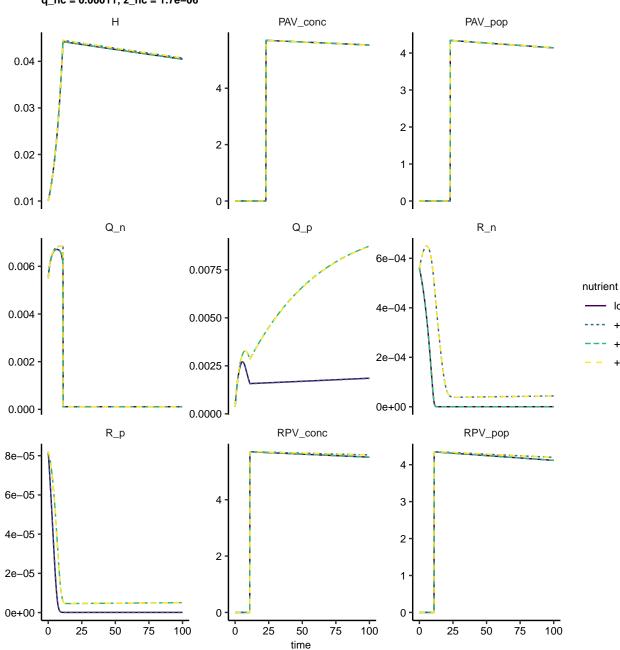
0

. 25

q_nc = 0.00011; z_nc = 1.7e-12 Н PAV_conc PAV_pop 1.00 6 -6 0.75 4 0.50 2 2 0.25 0.00 -Q_n Q_p R_n 0.006 0.003 nutrient 4e-04 0.004 0.002 2e-04 0.002 0.001 0e+00 0.000 -0.000 -RPV_conc R_p RPV_pop 10.0 8e-05 7.5 7.5 6e-05



q_nc = 0.00011; z_nc = 1.7e-06



low

+N

+N+P

q_nc = 0.00011; z_nc = 0.17 Н PAV_conc PAV_pop 4 0.04 4 3 0.03 2 2 0.02 1 0.01 0 -Q_n Q_p R_n 6e-04 0.006 0.0075 nutrient low 4e-04 0.004 0.0050 +N 2e-04 0.002 +N+P 0.0025 0e+00 -0.000 -0.0000 R_p RPV_pop RPV_conc 8e-05 4 6e-05 4 3 4e-05 2 2 · 2e-05 1

50

time

75

100

100

25

50

75

0e+00

0

25

50

75

q_nc = 0.0011; z_nc = 1.7e-18 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -Q_n Q_p R_n 0.003 0.006 nutrient low 4e-04 0.002 value 0.004 +N 2e-04 0.001 +N+P 0.002 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

0.0

25

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time

100

50

. 25

75

2e-05

0e+00

0

2.5

0.0

25

50

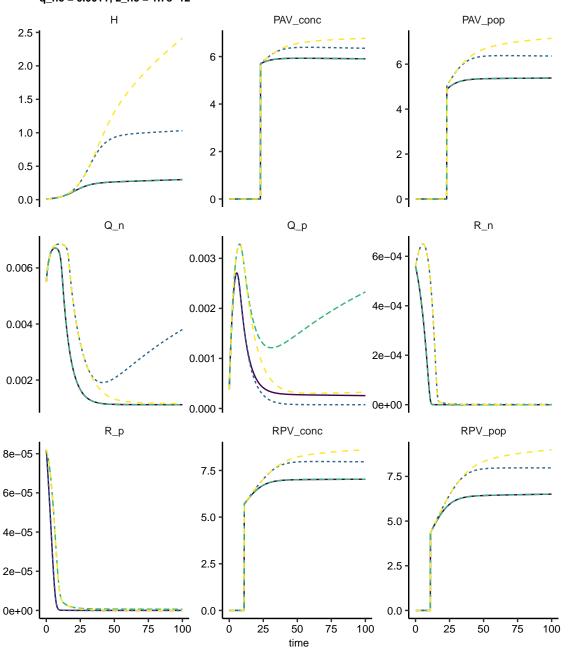
100

100

75

q_nc = 0.0011; z_nc = 1.7e-12 Н 2.5

value



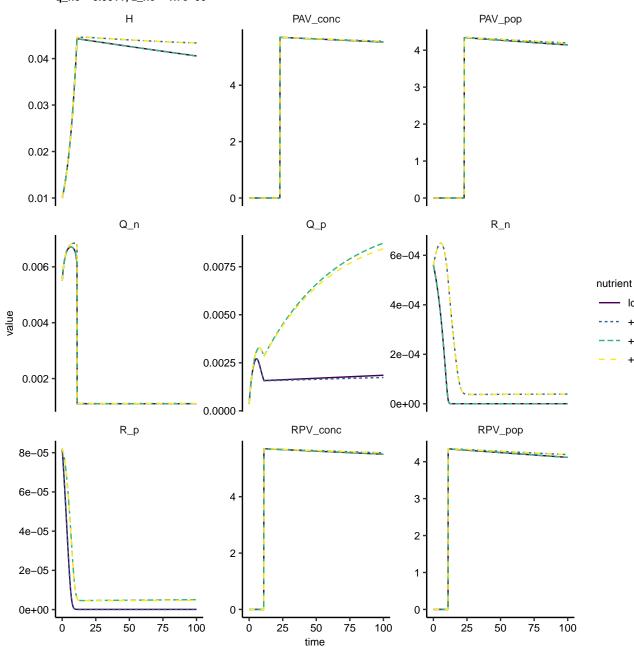
nutrient

low

+N

+N+P

q_nc = 0.0011; z_nc = 1.7e-06



low

+N

+N+P

q_nc = 0.0011; z_nc = 0.17 Н PAV_conc PAV_pop 4 0.04 4 3 0.03 2 2 0.02 1 0.01 0 -Q_n Q_p R_n 6e-04 0.0075 0.006 nutrient low 4e-04 value 0.0050 0.004 +N 2e-04 +N+P 0.0025 0.002 0e+00 -0.0000 R_p RPV_pop RPV_conc 8e-05 4 6e-05 4 3 4e-05 2 2 · 2e-05 1 0e+00

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time

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100

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100

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q_nc = 0.011; z_nc = 1.7e-18 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -Q_n Q_p R_n 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 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00

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0

q_nc = 0.011; z_nc = 1.7e-12 Н PAV_conc PAV_pop 4 -6 6 3 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 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00

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time

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0

q_nc = 0.011; z_nc = 1.7e-06 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -Q_n Q_p R_n 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 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00

100

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time

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100

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. 25

0

q_nc = 0.011; z_nc = 0.17 Н PAV_conc PAV_pop 4 -6 6 3 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 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00 100 75 100 50 75 25 50 100 25 50 75 0 . 25

q_nc = 0.11; z_nc = 1.7e-18 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -Q_n Q_p R_n 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 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00 100 75 100 75 25 50 100 25 75 0 . 25 50 50

q_nc = 0.11; z_nc = 1.7e-12 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -Q_n Q_p R_n 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 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00 100 75 100 75 25 50 100 25 75 0 . 25 50 50

q_nc = 0.11; z_nc = 1.7e-06 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -Q_n Q_p R_n 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 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00 100 75 100 50 75 25 50 100 25 75

50

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. 25

q_nc = 0.11; z_nc = 0.17 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -Q_n Q_p R_n 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 6e-05 4 3 4e-05 2 2 2e-05 1 0e+00 100 75 100 50 75 25 50 100 25 75 0 . 25 50