NA = NA; NA = NAН PAV_conc PAV_pop 6 + 0.014 -0.013 3 4 · 0.012 2 2 -0.011 1 0.010 -0 -R_n Q_n Q_p 0.011 0.010 0.00060 nutrient 0.009 0.002 low value2 0.00055 +N 0.008 0.007 +N+P 0.001 0.00050 0.006 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 7e-05 0.000 0.000 6e-05

-0.025

2

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time

-0.025

-0.050

2

5e-05

NA = NA; NA = NAН PAV_conc PAV_pop 6 + 3 0.014 4 2 · 0.012 2 -1 0.010 -0 -Q_p R_n Q_n 0.00065 -0.012 -0.003 0.00060 nutrient 0.010 low value2 0.00055 0.002 +N 0.008 0.00050 +N+P 0.001 0.00045 0.006 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 7e-05 6e-05 0.000 0.000 5e-05 -0.025 -0.025 4e-05 -0.050 3 2 0 2 2 3 time

NA = NA; NA = NAН PAV_conc PAV_pop 0.018 -4 0.016 3 0.014 2 2 -0.012 1 0.010 -0 -Q_n Q_p R_n 0.004 0.012 6e-04 0.003 nutrient low 0.010 +N 0.002 5e-04 0.008 +N+P 0.001 0.006 4e-04 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 -0.025 -0.025

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-0.050

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time

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NA = NA; NA = NAН PAV_conc PAV_pop 0.0200 -0.0175 3 -4 0.0150 2 2 0.0125 1 0.0100 -0 -Q_p R_n Q_n 0.004 0.0125 6e-04 nutrient 0.003 low value2 +N 5e-04 0.002 +N+P 0.0075 4e-04 0.001 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 -0.025 -0.025 2e-05 -0.050 6 6 2 2 Ö 4 2

NA = NA; NA = NAН PAV_conc PAV_pop 0.020 3 4 0.016 2 2 · 1 0.012 0 -Q_n Q_p R_n 0.0150 -0.004 6e-04 nutrient 0.0125 0.003 low value 0.0100 · 5e-04 +N 0.002 4e-04 +N+P 0.0075 0.001 3e-04 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 -0.025 -0.025 2e-05 -0.050 -0.050 2 6 ö 2 4 6 4 2 6 time

NA = NA; NA = NAН PAV_conc PAV_pop 0.025 3 4 0.020 2 2 0.015 1 0.010 -0 -Q_n Q_p R_n 0.005 -0.0150 6e-04 0.004 nutrient 0.0125 low 5e-04 0.003 value2 0010.0 +N 4e-04 0.002 +N+P 0.0075 0.001 3e-04 0.0050 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 -0.025 -0.025 2e-05 0e+00 -0.050

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time

NA = NA; NA = NA Н PAV_conc PAV_pop 6 0.025 3 4 0.020 2 2 0.015 1 0.010 -0 -Q_p R_n Q_n 0.005 -6e-04 0.0150 0.004 nutrient 5e-04 value 7 value low 0.003 +N 4e-04 0.002 +N+P 3e-04 0.0075 0.001 2e-04 0.0050 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 · 0.000 0.000 4e-05 2e-05 -0.025 -0.025 0e+00 -0.050 -0.050 0.0 7.5 2.5 5.0 7.5 2.5 5.0 0.0 7.5 0.0 2.5 5.0

NA = NA; NA = NAН PAV_conc PAV_pop 6 0.030 0.025 3 4 0.020 2 2 0.015 1 0.010 -0 -Q_p R_n Q_n 0.005 -0.0175 -6e-04 0.004 0.0150 nutrient 5e-04 low value 2 0.003 4e-04 +N 0.0100 0.002 3e-04 +N+P 0.0075 2e-04 0.001 1e-04 -0.0050 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 0.0 2.5 7.5 0.0 2.5 5.0 7.5 10.0 5.0 10.0 0.0 2.5 5.0 7.5 10.0

NA = NA; NA = NAН PAV_conc PAV_pop 6 0.03 4 3 2 · 0.02 2 -1 0.01 -0 -Q_n Q_p R_n 0.005 6e-04 0.004 0.015 nutrient low 0.003 value2 4e-04 +N 0.002 0.010 +N+P 2e-04 0.001 0.005 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 0.050 -0.050 9 9 0 3 6 Ö 3 6 Ö 3 6 9 time

NA = NA; NA = NAН PAV_conc PAV_pop 6 -0.04 4 4 3 0.03 2 2 -0.02 1 0.01 -0 -Q_p R_n Q_n 0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 -0.005 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025

10.0 12.5

0.0 2.5

5.0

7.5 10.0 12.5

0e+00

0.0

2.5

5.0 7.5

0.0

2.5

5.0

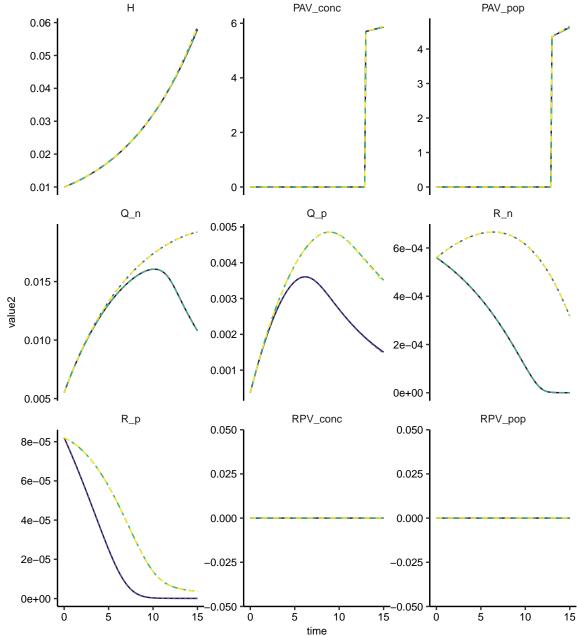
time

7.5

NA = NA; NA = NAН PAV_conc PAV_pop 6 4 0.04 4 3 0.03 2 · 2 -0.02 1 0.01 -0 -Q_n Q_p R_n 0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 -0.005 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 10 10 5 10 5 5 0 Ö time

NA = NA; NA = NAН PAV_conc PAV_pop 6 0.05 4 0.04 4 3 0.03 2 2 -0.02 1 0.01 -0 -Q_n Q_p R_n 0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.005 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 10 10 10 5 5 0 Ö 5

NA = NA; NA = NAН 0.06 -6 0.05 4 0.04 0.03 2 · 0.02 0.01 -0 -Q_n 0.005 0.004



nutrient

low

+N

+N+P

NA = NA; NA = NAН PAV_conc PAV_pop 6 0.06 4 0.05 4 3 0.04 2 0.03 2 · 1 0.02 0.01 -0 -Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.005 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 · 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00

-0.050

Ö

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time

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NA = NA; NA = NAН PAV_conc PAV_pop 5 7 6 4 0.06 4 3 0.04 2 2 -1 0.02 0 -Q_n Q_p R_n 0.020 0.005 6e-04 0.004 nutrient 0.015 low 0.003 4e-04 value2 +N 0.002 -0.010 2e-04 +N+P 0.001 0e+00 0.005 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 · 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 0.050 -0.050 5 10 5 15 15 10 10 15 0 Ö Ö 5 time

NA = NA; NA = NAН PAV_conc PAV_pop 5 -6 0.08 4 4 0.06 3 2 0.04 2 · 1 0.02 0 -Q_n Q_p R_n 0.020 0.005 6e-04 0.004 nutrient 0.015 low 0.003 4e-04 value2 +N 0.002 -0.010 2e-04 +N+P 0.001 0e+00 0.005 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 · 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 0.050 -0.050 15 15 5 10 10 15 0 Ö 5 Ö 5 10

NA = NA; NA = NAН PAV_conc PAV_pop 5 -6 4 0.075 4 3 0.050 2 2 -1 0.025 0 -0 Q_n Q_p R_n 0.020 0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.002 -0.010 2e-04 +N+P 0.001 0e+00 -0.005 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 0.050 -0.050 15 5 10 15 10 15 0 Ö 5 Ö 5 10

NA = NA; NA = NAН PAV_conc PAV_pop 6 5 -0.09 4 4 3 0.06 2 2 -0.03 1 0 -0 Q_n Q_p R_n 0.020 0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.002 -0.010 2e-04 +N+P 0.001 0e+00 -0.005 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050

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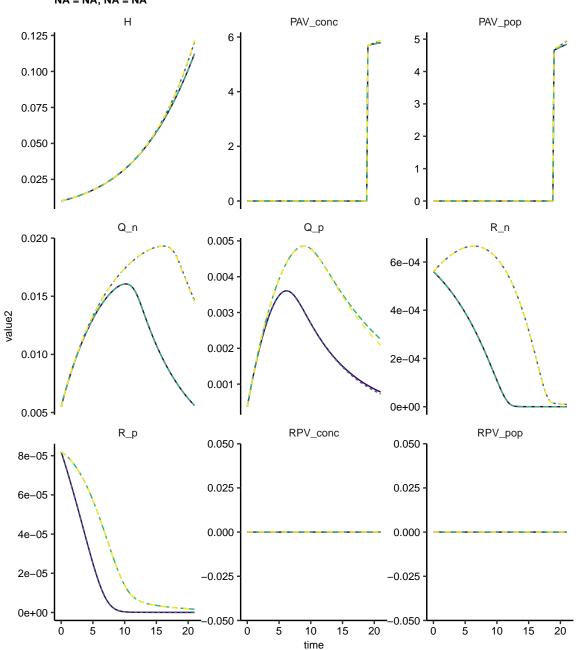
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NA = NA; NA = NAН 0.125 -0.100



nutrient

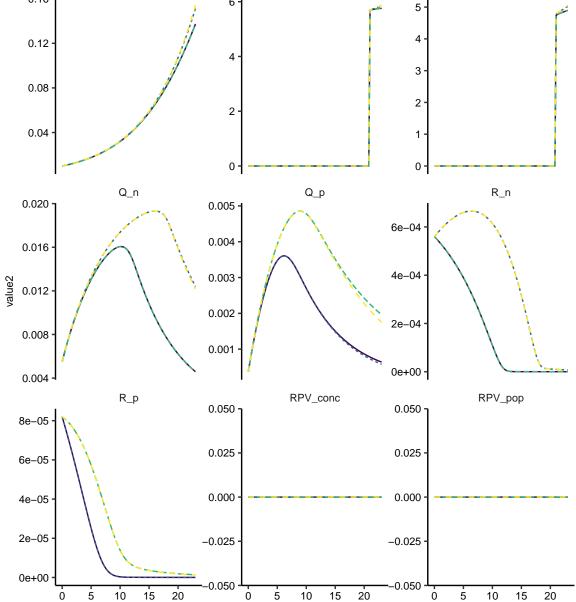
low

+N

+N+P

NA = NA; NA = NAН PAV_conc PAV_pop 6 5 -4 0.10 4 3 2 2 -0.05 1 0 -Q_n Q_p R_n 0.020 0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.002 -0.010 2e-04 +N+P 0.001 0.005 -0e+00 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 5 15 15 20 5 20 15 20 0 10 Ö 10 Ö 5 10

NA = NA; NA = NAН 0.16 -6 0.12 4 0.08 2 -0.04 0 -Q_n 0.020 -0.005 0.004 0.016



PAV_conc

PAV_pop

nutrient

low

+N

+N+P

NA = NA; NA = NAН PAV_conc PAV_pop 6 5 · 0.15 4 3 0.10 2 · 2 -0.05 1 0 -0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.010 0.002 -2e-04 +N+P 0.001 0.005 0e+00 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 -0.050 25 0e+00

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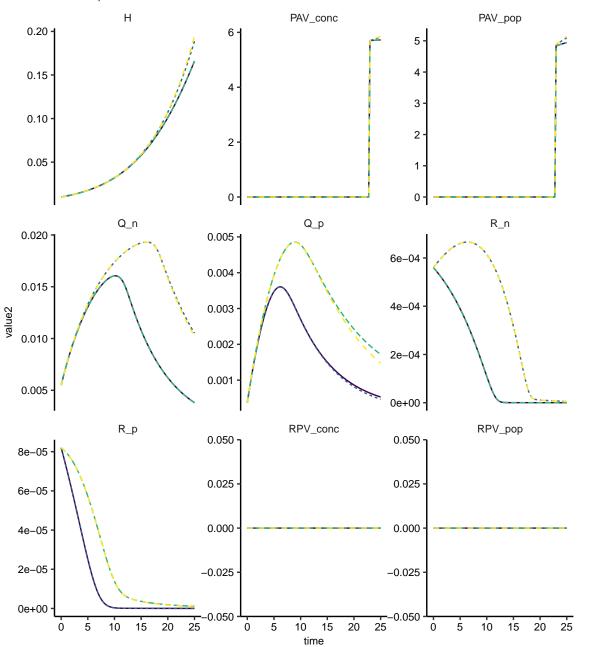
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NA = NA; NA = NA



nutrient

low

+N

+N+P

NA = NA; NA = NAН PAV_conc PAV_pop 6 5 0.20 4 0.15 3 0.10 2 2 · 0.05 1 0 -0 0.00 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025

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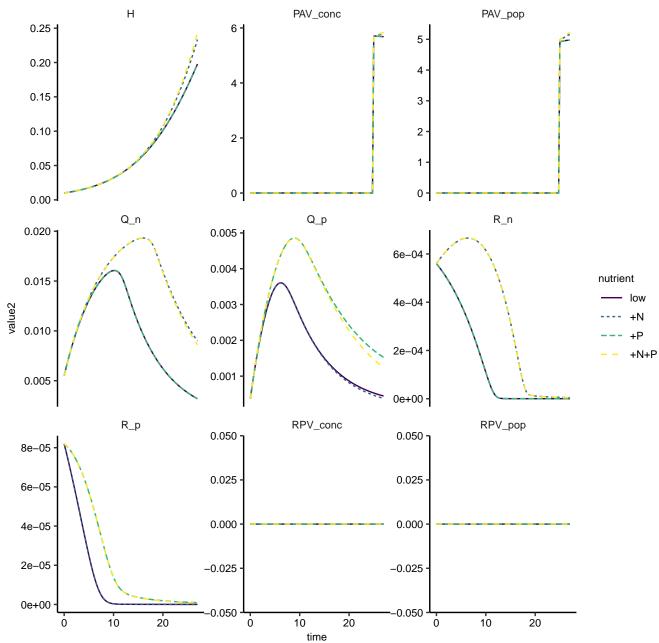
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NA = NA; NA = NA



NA = NA; NA = NAН PAV_conc PAV_pop 6 4 0.2 4 2 0.1 2 0 -0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 20 10 20 20 10 ö 10 Ö Ö time

NA = NA; NA = NAН PAV_conc PAV_pop 6 0.3 -4 4 0.2 2 2 0.1 0 -0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value 2 - 010.0 +N 0.002 2e-04 +N+P 0.001 0.005 0e+00 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 -0.050 30 0e+00 30 20 20 10 10 10 20 Ö Ö

NA = NA; NA = NAН PAV_conc PAV_pop 6 0.3 4 4 0.2 2 2 0.1 0 -0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient low 4e-04 0.003 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 30 30 30 10 20 10 10 20 20 Ö Ö

NA = NA; NA = NAН PAV_conc PAV_pop 6 0.3 4 4 0.2 2 2 0.1 0 -0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient low 4e-04 0.003 value2 +N 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050

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NA = NA; NA = NAН PAV_conc PAV_pop 6 0.4 4 0.3 4 0.2 2 2 0.1 0 -0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.001 0.005 0e+00 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025

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time

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0e+00

NA = NA; NA = NAН PAV_conc PAV_pop 6 0.4 4 4 0.3 0.2 2 2 0.1 0 -0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 20 10 30 10 30 20 20 30 0 Ö Ö 10

NA = NA; NA = NAН PAV_conc PAV_pop 6 -0.5 0.4 4 4 0.3 0.2 2 2 0.1 0 -0.0 Q_n Q_p R_n 0.020 -0.005 + 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00

-0.050

Ö

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-0.050

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time

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0

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NA = NA; NA = NAН PAV_conc PAV_pop 6 -4 0.4 4 2 2 0.2 0 -0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 30 10 20 30 20 20 30 10 0 Ö Ö 10

NA = NA; NA = NAН PAV_conc PAV_pop 6 7 0.6 4 4 0.4 2 2 0.2 0 -0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050

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time

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NA = NA; NA = NAН PAV_conc PAV_pop 6 7 0.6 4 4 0.4 2 2 0.2 0 0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 20 10 20 30 10 20 30 Ö 30 Ö 10

NA = NA; NA = NAН PAV_conc PAV_pop 0.6 4 4 0.4 2 2 0.2 0 0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 20 30 20 30 10 20 30 0 10 Ö Ö 10

NA = NA; NA = NAН PAV_conc PAV_pop 8.0 0.6 4 4 0.4 2 2 0.2 0 0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025

Ö

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time

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-0.050 40

Ö

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0e+00

0

10

NA = NA; NA = NAН PAV_conc PAV_pop 0.75 4 4 0.50 2 2 0.25 0 0.00 -Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025

Ö

40

20

10

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-0.050

Ö

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time

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40

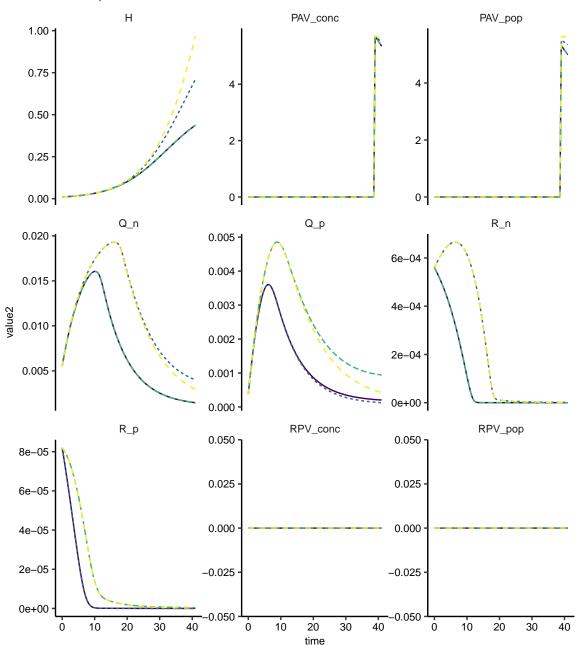
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0e+00

NA = NA; NA = NAН 1.00 -



nutrient

low

+N+P

NA = NA; NA = NAН PAV_conc PAV_pop 1.00 0.75 4 4 0.50 2 2 0.25 0 0.00 -Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 -R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05

-0.050

Ö

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time

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-0.025 -

-0.050

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NA = NA; NA = NA Н PAV_conc PAV_pop 0.9 4 4 0.6 2 2 0.3 0 0.0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 30 10 20 30 20 40 20 30 0 40 Ö 10 Ö 10 . 40

NA = NA; NA = NA Н PAV_conc PAV_pop 6 7 1.25 -1.00 4 4 0.75 0.50 2 2 0.25 0.00 -0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025

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time

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40

-0.050

Ö

10

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-0.050

Ö

0e+00

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NA = NA; NA = NAН PAV_conc PAV_pop 6 -1.0 4 4 0.5 2 2 0.0 -0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 -0.050 -0.050 10 20 30 40 20 30 40 0 Ö 10 Ö 10 20 30 40 time

NA = NA; NA = NA Н PAV_conc PAV_pop 6 -1.0 4 4 0.5 2 2 · 0.0 -0 Q_n Q_p R_n 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 +N 0.010 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R_p RPV_conc RPV_pop 0.050 0.050 8e-05 0.025 0.025 6e-05 0.000 0.000 4e-05 2e-05 -0.025 --0.025 0e+00 0.050 -0.050 30 10 20 30 20 30 40 40 0 40 Ö 10 Ö 10 . 20 time

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