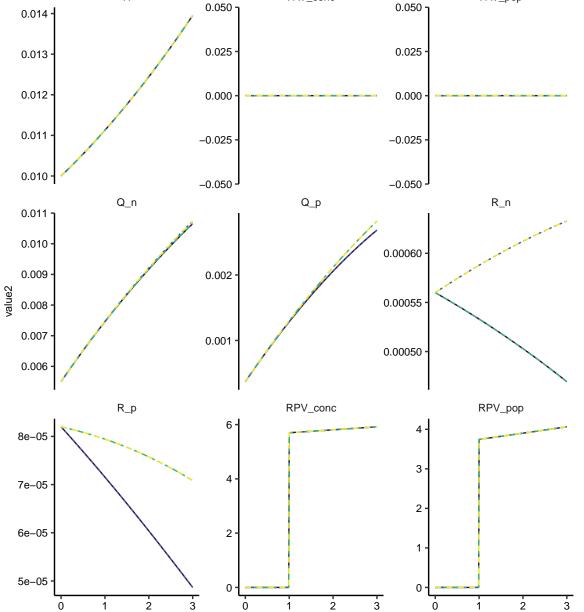
NA = NA; NA = NAН PAV\_conc 0.050 0.014 -0.025 0.013 0.012 0.000 0.011 -0.0250.010 --0.050 -Q\_p  $Q_n$ 0.011 0.010 0.009 0.002



PAV\_pop

nutrient

low

+N

+N+P

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.014 0.000 0.000 0.012 -0.025-0.025 0.010 --0.050 --0.050 -Q\_n Q\_p R\_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 6 8e-05 7e-05 3 6e-05 2 2 -5e-05 1 4e-05 2 3 3 Ö 1 2 ż 2

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.018 -0.050 0.016 0.025 0.025 0.014 0.000 0.000 0.012 -0.025 -0.025 0.010 --0.050 **-**-0.050 Q\_n R\_n Q\_p 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 RPV\_conc R\_p RPV\_pop 6 -8e-05 3 6e-05 2 2 -4e-05 1

0

2

ż

4

Ö

2

3

Ö

2 3

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.0200 -0.025 0.025 0.0175 0.0150 0.000 0.000 0.0125 -0.025 -0.0250.0100 --0.050 --0.050 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 6 8e-05 3 6e-05 2 4e-05 2 · 1 2e-05 ö 2 6 4 2 2

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.020 0.025 0.025 0.000 0.016 0.000 -0.025 -0.025 0.012 -0.050 --0.050 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 RPV\_conc R\_p RPV\_pop 6 8e-05 6e-05 3 2 4e-05 2 · 1 2e-05 ö 2 4 6 2 4 6 2 6 time

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.025 0.020 0.000 0.000 0.015 -0.025 -0.0250.010 --0.050 --0.050 Q\_n R\_n Q\_p 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 3e-04 0.001 0.0050 RPV\_conc R\_p RPV\_pop 6 8e-05 · 6e-05 3 4e-05 2 2 · 1 2e-05

2

6

2

4

time

6

0e+00

Ö

2

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.025 0.020 0.000 0.000 0.015 -0.025 -0.0250.010 --0.050 --0.050 R\_n Q\_n Q\_p 0.005 -6e-04 0.0150 0.004 nutrient 5e-04 value 7 value 7 value 7 value 7 value 8 value 9 value low 0.003 +N 4e-04 0.002 +N+P 3e-04 0.0075 0.001 2e-04 0.0050 RPV\_conc R\_p RPV\_pop 6 8e-05 6e-05 · 3 4 4e-05 2 2 2e-05 1 0e+00 5.0 2.5 7.5 2.5 5.0 7.5 2.5 5.0 7.5 0.0 0.0 0.0

NA = NA; NA = NA Н PAV\_conc PAV\_pop 0.050 0.050 0.030 0.025 0.025 0.025 0.000 0.000 0.020 0.015 -0.025 -0.0250.010 --0.050 --0.050 R\_n Q\_n Q\_p 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 6 8e-05 · 6e-05 3 4 4e-05 2 2 2e-05 1 -0e+00 5.0 7.5 2.5 7.5 7.5 10.0 0.0 2.5 10.0 0.0 5.0 10.0 0.0 2.5 5.0

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.03 0.000 0.000 0.02 -0.025 -0.025 0.01 --0.050 **-**-0.050 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 RPV\_conc R\_p RPV\_pop 6 8e-05 4 6e-05 3 4 4e-05 2 . 2 -2e-05 1 0e+00 0 3 6 9 0 3 6 9 0 3 6 9

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.04 0.025 0.025 0.03 0.000 0.000 0.02 -0.025 -0.025 0.01 --0.050 --0.050 R\_n Q\_n Q\_p 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 6 8e-05 4 6e-05 4 3 4e-05 2 · 2 -2e-05 1

7.5

10.0 12.5

0.0

2.5 5.0

7.5 10.0 12.5

5.0

time

0e+00

0.0

2.5

5.0

7.5

10.0 12.5

0.0

2.5

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.04 0.025 0.025 0.03 0.000 0.000 0.02 -0.025 -0.025 0.01 --0.050 J -0.050 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 -RPV\_conc RPV\_pop R\_p 6 -8e-05 · 4 6e-05 4 3 4e-05 2 · 2 -2e-05 1 0e+00 10 5 10 10 0 5 0 5 time

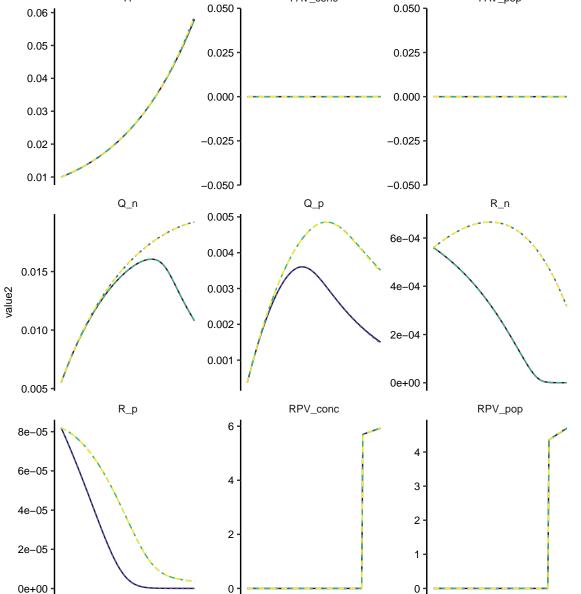
NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.05 0.025 0.025 0.04 0.000 0.000 0.03 0.02 -0.025 -0.025 0.01 --0.050 -0.050 <sup>J</sup> Q\_n Q\_p R\_n 0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 +N 0.002 0.010 2e-04 +N+P 0.001 0e+00 0.005 -RPV\_conc R\_p RPV\_pop 6 -8e-05 · 4 6e-05 4 3 4e-05 2 2 -2e-05 1 0e+00 10 5 10 10 0 0 5 0 5

NA = NA; NA = NAН 0.050 0.06 -0.05 0.025 0.04 0.000 0.03 -0.025 0.02 0.01 --0.050 <sup>J</sup> Q\_n 0.005 0.004

0

10

15



5

time

Ö

10

15

0

PAV\_conc

PAV\_pop

nutrient

15

10

5

low

+N

+N+P

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.06 0.025 0.025 0.05 0.04 0.000 0.000 0.03 -0.025 -0.025 0.02 0.01 --0.050 -0.050 <sup>J</sup> 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 -RPV\_conc R\_p RPV\_pop 5 · 6 -8e-05 · 4 6e-05 4 3 4e-05 2 2 -2e-05 1

15

0

10

time

5

10

5

15

0e+00

0

5

10

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.06 0.000 0.000 0.04 -0.025 -0.025 0.02 -0.050 -0.050 <sup>J</sup> 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 -RPV\_conc R\_p RPV\_pop 6 8e-05 · 4 6e-05 4 3 4e-05 2 2 -2e-05 1 0e+00 5 10 15 15 10 15 0 5 10 0 5 time

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.08 0.025 0.025 0.06 0.000 0.000 0.04 -0.025 -0.025 0.02 -0.050 -0.050 -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 -RPV\_conc R\_p RPV\_pop 5 -6 8e-05 · 4 6e-05 4 3 4e-05 2 2 -2e-05 1 0e+00

15

0

5

10

15

10

time

5

0

5

0

10

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.075 0.000 0.000 0.050 -0.025 -0.025 0.025 -0.050 -0.050 <sup>J</sup> 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 -RPV\_conc RPV\_pop R\_p 6 5 8e-05 4 6e-05 4 3 4e-05 2 2 -2e-05 1 0e+00 15 15 5 10 10 0 . 15 0 5 10 0 5

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.09 0.025 0.025 0.06 0.000 0.000 -0.025 -0.025 0.03 -0.050 -0.050 <sup>J</sup> 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 -RPV\_conc RPV\_pop R\_p 6 5 8e-05 4 6e-05 4 3 4e-05 2 2 -2e-05 1

0

5

15

20

10

time

5

20

15

10

0e+00

0

5

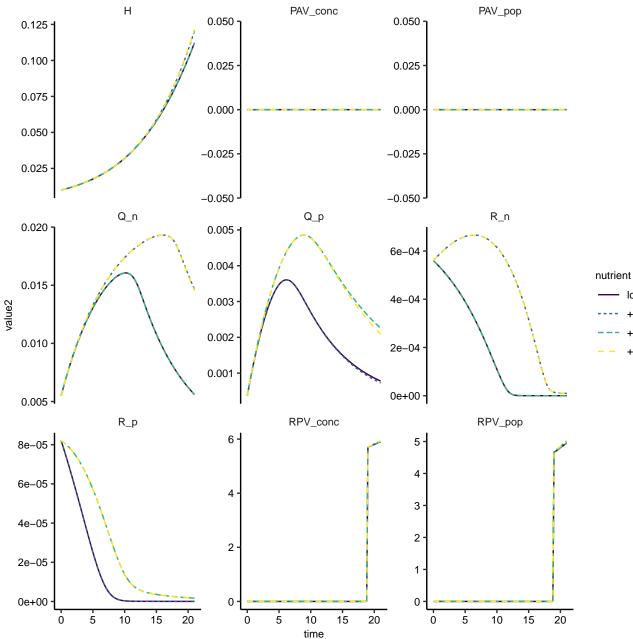
10

15

20

Ö

NA = NA; NA = NA



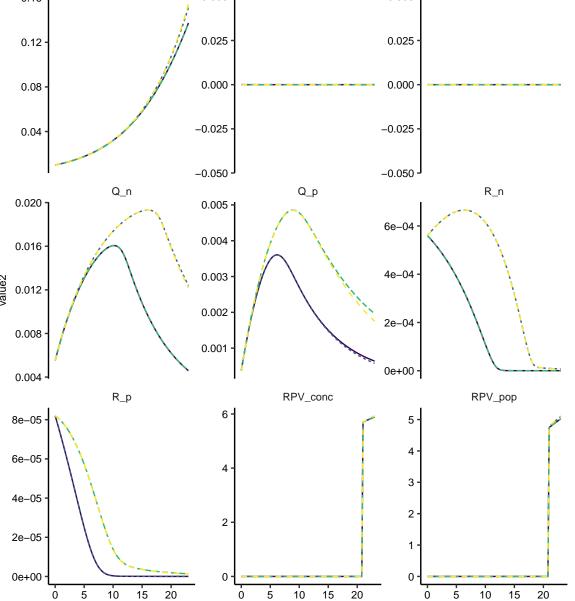
low

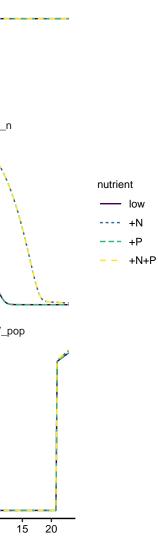
+N

+N+P

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.10 0.000 0.000 0.05 -0.025 -0.025 -0.050 **-**-0.050 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 -RPV\_conc RPV\_pop R\_p 6 8e-05 5 4 6e-05 4 3 4e-05 2 2 -2e-05 1 0e+00 0 5 15 15 20 20 15 20 0 10 Ö 5 10 0 5 10

NA = NA; NA = NAН PAV\_conc 0.050 0.050 0.16 -0.025 0.025 0.12 0.000 0.000 0.08 -0.025 -0.025 0.04 -0.050 --0.050 Q\_n Q\_p 0.020 -0.005 6e-04 0.004 0.016 4e-04 0.003 value2 0.012 -0.002 -2e-04 0.008 0.001





PAV\_pop

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.15 0.025 0.025 0.10 0.000 0.000 0.05 -0.025 -0.025 -0.050 -0.050 -Q\_n R\_n Q\_p 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 6 8e-05 5 4 6e-05 4 3 4e-05 2 · 2 -2e-05 1 0e+00

. 25 0

5

10

15

20

. 25

5

0

15

10

20

25

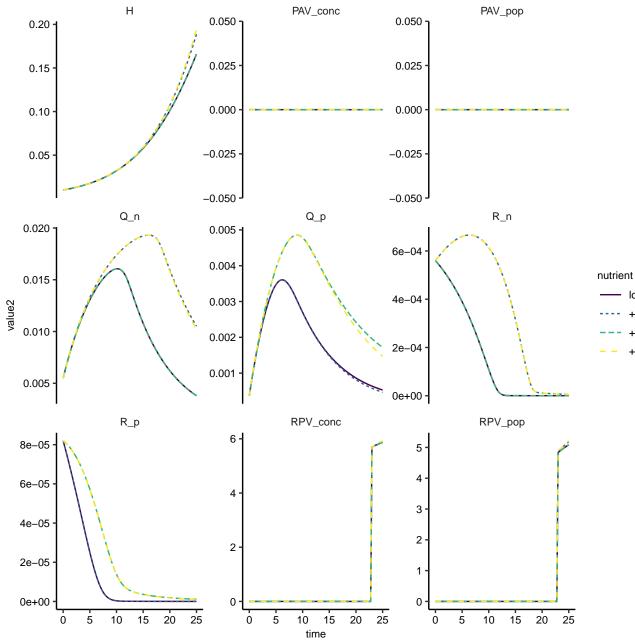
Ö

5

10

time

NA = NA; NA = NAН 0.20 -



low

+N

+N+P

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.20 0.025 0.025 0.15 0.000 0.000 0.10 -0.025 -0.025 0.05 0.00 -0.050 **-**-0.050 -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 6 8e-05 4 6e-05 4 4e-05 2 · 2 -2e-05

10

time

Ö

20

10

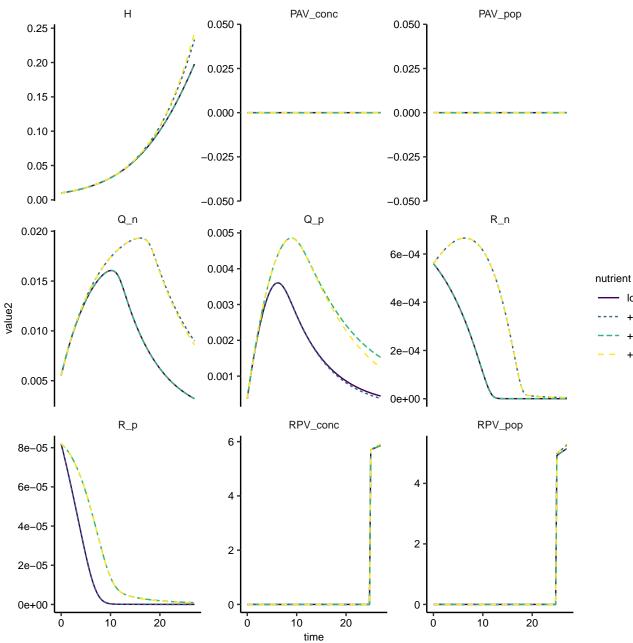
0

0e+00

Ö

20

NA = NA; NA = NA H



low

+N

+N+P

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.2 0.000 0.000 0.1 -0.025 -0.025 0.0 -0.050 **-**-0.050 -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 -RPV\_pop R\_p RPV\_conc 6 8e-05 6e-05 4 4 4e-05 2 · 2 -2e-05 0e+00 20 10 20 20 10 Ö Ö 0 10 time

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.3 -0.025 0.025 0.2 0.000 0.000 0.1 -0.025 -0.025 0.0 -0.050 **-**-0.050 -Q\_n Q\_p R\_n 0.020 -0.005 6e-04 0.004 nutrient 0.015 low 4e-04 0.003 value2 - 010.0 +N 0.002 2e-04 +N+P 0.001 0.005 0e+00 -RPV\_pop R\_p RPV\_conc 6 8e-05 6e-05 4 4 4e-05 2 2 -2e-05

10

time

30

30

20

10

0

0e+00

Ö

20

30

Ö

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.3 0.025 0.025 0.2 0.000 0.000 0.1 -0.025 -0.025 0.0 -0.050 **-**-0.050 -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 -RPV\_pop R\_p RPV\_conc 6 8e-05 6e-05 4 4 4e-05 2 2 -2e-05 0e+00

10

time

30

0

10

Ö

20

30

Ö

30

20

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.3 0.025 0.025 0.2 0.000 0.000 0.1 -0.025 -0.025 0.0 -0.050 **-**-0.050 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 -RPV\_pop R\_p RPV\_conc 6 8e-05 6e-05 4 4 4e-05 2 2 -2e-05

time

10

30

0

10

20

30

0e+00

0

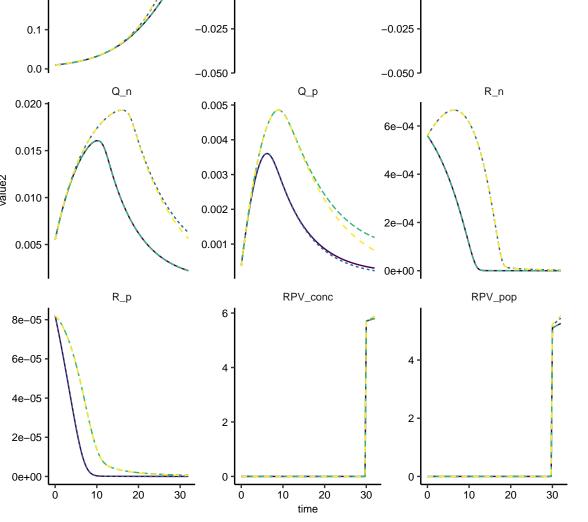
10

20

30

Ö

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.4 0.025 0.025 0.3 0.000 0.000 0.2 -0.025 -0.025 0.1 0.0 -0.050 **-**-0.050 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 -RPV\_pop R\_p RPV\_conc 6 8e-05 6e-05 4 4



NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.4 0.025 0.025 0.3 0.000 0.000 0.2 -0.025 -0.025 0.1 0.0 -0.050 **-**-0.050 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 RPV\_pop R\_p RPV\_conc 6 8e-05 6e-05 4 4 4e-05 2 2 · 2e-05

0

10

20

30

20

time

10

0e+00

0

10

20

30

Ö

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.5 0.025 0.025 0.4 0.3 0.000 0.000 0.2 -0.025 -0.025 0.1 0.0 -0.050 **-**-0.050 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 RPV\_conc RPV\_pop R\_p 6 8e-05 6e-05 4 4 4e-05 2 2 ·

2e-05

0e+00

0

10

20

30

10

Ö

20

time

30

0

20

10

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 0.4 0.000 0.000 0.2 -0.025 -0.025 0.0 -0.050 **-**-0.050 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 RPV\_conc RPV\_pop R\_p 6 8e-05 6e-05 4 4 4e-05 2 2 · 2e-05 0e+00

0

10

Ö

20

time

30

20

10

10

0

20

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.6 0.025 0.025 0.4 0.000 0.000 0.2 -0.025 -0.025 0.0 -0.050 -0.050 -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 RPV\_conc RPV\_pop R\_p 6 8e-05 6e-05 4 4 4e-05 2 2 2e-05

20

0

10

30

20

time

10

Ö

0e+00

0

20

30

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.6 0.025 0.025 0.4 0.000 0.000 0.2 -0.025 -0.025 0.0 -0.050 -0.050 -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 -RPV\_conc R\_p RPV\_pop 6 8e-05 6e-05 4 4 4e-05 2 2 2e-05

20

10

0

30

0e+00

0

10

20

30

Ö

10

20

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.6 0.025 0.025 0.4 0.000 0.000 0.2 -0.025 -0.025 0.0 -0.050 -0.050 -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 6 8e-05 6e-05 4 4 4e-05 2 2 2e-05 0e+00 20 30 20 30 20 30 0 10 Ö 10 0 10

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 8.0 0.025 0.025 0.6 0.000 0.000 0.4 0.2 -0.025 -0.025 0.0 -0.050 -0.050 -Q\_n R\_n Q\_p 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 6 8e-05 6e-05 4 4 4e-05 2 · 2 2e-05

time

10

30

40

0

20

10

30

40

0e+00

0

10

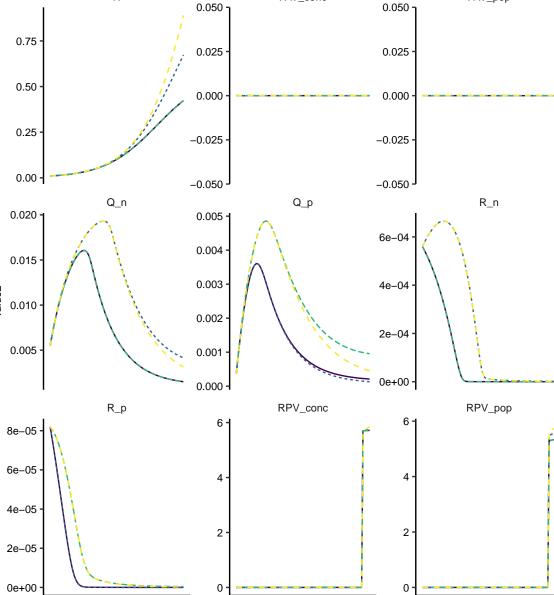
20

30

40

Ö

NA = NA; NA = NAН PAV\_conc 0.050 0.75 0.025 0.50 0.000 0.25 -0.025 0.00 --0.050 -Q\_n Q\_p 0.020 -0.005 0.004 0.015 0.003 value2 0.010 0.002



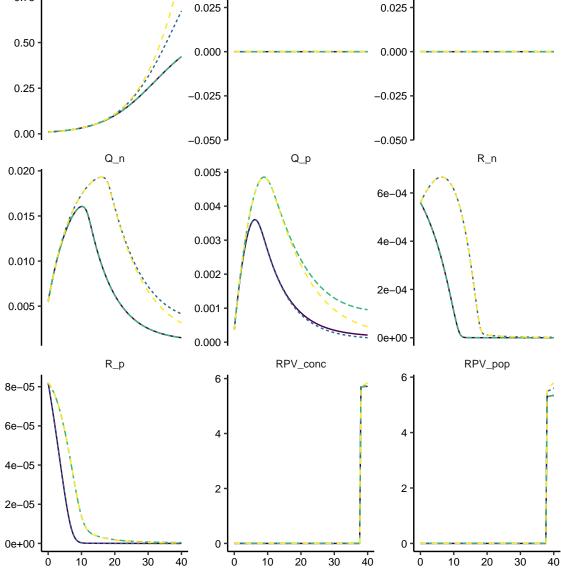
PAV\_pop

nutrient

low

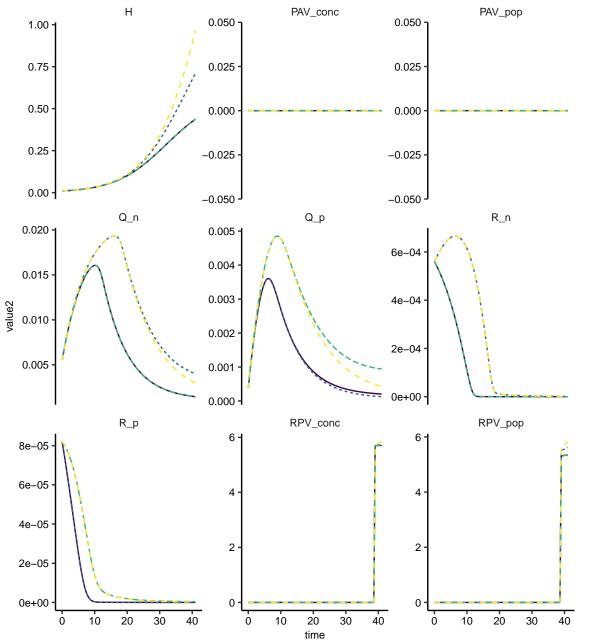
+N

+N+P



time

NA = NA; NA = NA



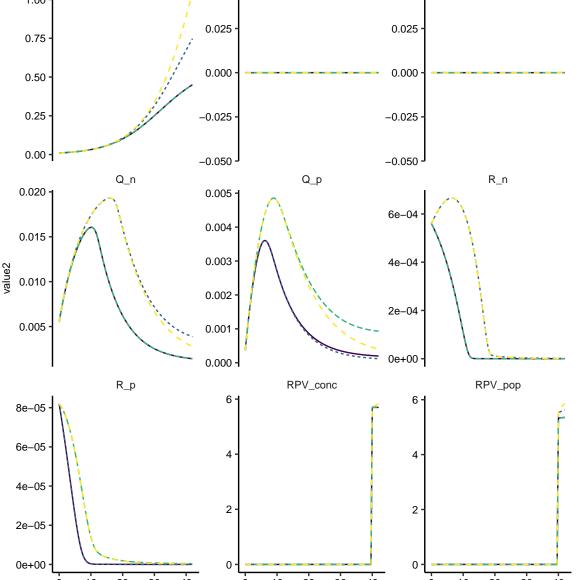
nutrient

low

+N

+N+P

NA = NA; NA = NAН PAV\_conc 0.050 0.050 1.00 0.025 0.75 0.000 0.50 0.25 -0.025 0.00 --0.050 -Q\_n Q\_p 0.020 -0.005 0.004 0.015 0.003 value2 0.010 0.002 0.005



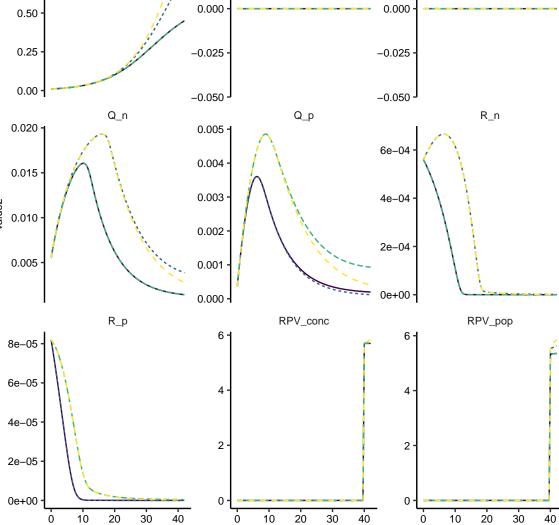
PAV\_pop

nutrient

low

+N

+N+P



time

NA = NA; NA = NAН 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 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 -RPV\_conc RPV\_pop R\_p 6 6 8e-05 6e-05 4 4 4e-05 2 · 2 · 2e-05 0e+00

40

0

20

10

30

40

20

time

10

10

0

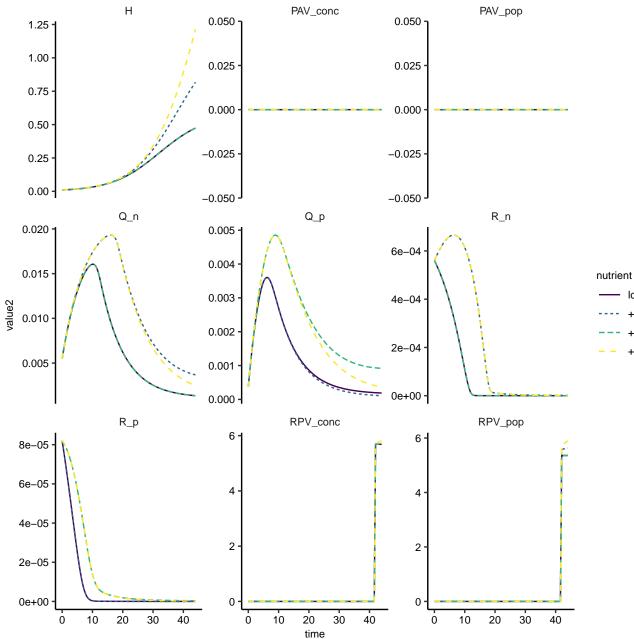
20

30

40

Ö

NA = NA; NA = NA



low

+N

+N+P

NA = NA; NA = NAН 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 R\_n Q\_p 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 RPV\_conc RPV\_pop R\_p 6 6 8e-05 6e-05 4 4 4e-05 2 · 2 · 2e-05 0e+00 10 20 30 40 20 30 30 0 Ö 10 40 0 10 20 40 time

NA = NA; NA = NAН 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 R\_n Q\_p 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 RPV\_pop R\_p RPV\_conc 8e-05 6e-05 4 4 4e-05 2 · 2 · 2e-05 0e+00 10 20 30 30 30 40 0 40 Ö 10 20 40 0 10 20

time

NA = NA; NA = NAН 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 R\_n Q\_p 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 6 6 8e-05 6e-05 4 4 4e-05 2 -2 -2e-05 0e+00

40

0

10

20

30

40

20

10

0

30

40

Ö

10

20

time

NA = NA; NA = NAН 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 R\_n Q\_p 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 6 8e-05 6e-05 4 4 4e-05 2 · 2 -2e-05

20

time

40

50

Ö

10

20

30

40

50

0e+00

0

10

20

30

40

50

Ö

NA = NA; NA = NAН 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 R\_n Q\_p 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 6 6 8e-05 6e-05 4 4 4e-05 2 · 2 -2e-05

0e+00

0

20

30

40

50

Ö

10

20

time

30

40 50

0

10

20

30

40 50

NA = NA; NA = NAН 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 R\_n Q\_p 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 6 6 8e-05 6e-05 4 4 4e-05 2 -2 -2e-05

50

Ö

10 20

50

30 40

0e+00

0

20

30

40 50

Ö

10 20 30

time

NA = NA; NA = NAН 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 R\_n Q\_p 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 6 6 8e-05 6e-05 4 4 4e-05 2 -2 -2e-05

time

40 50

0

10 20

30 40 50

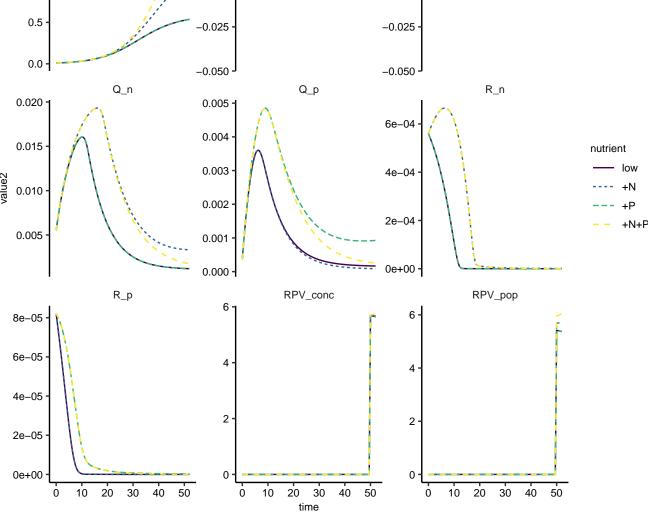
0 10 20

0e+00

0

10 20 30 40 50

NA = NA; NA = NAН 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 -0.0250.0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 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 6 6 8e-05 6e-05 4 4 4e-05



NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 2.0 -0.025 0.025 1.5 0.000 0.000 1.0 0.5 -0.025 -0.025 0.0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 0.010 +N 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R\_p RPV\_conc RPV\_pop 6 6 8e-05 6e-05 4 4 4e-05 2 -2 -2e-05

time

0

40

20

0

40

0e+00

Ö

20

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 2.0 0.025 0.025 1.5 0.000 0.000 1.0 0.5 -0.025 -0.025 0.0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 0.010 +N 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 R\_p RPV\_conc RPV\_pop 6 6 8e-05 6e-05 4 4 · 4e-05 2 -2 -

time

0

40

20

0

40

2e-05

0e+00

Ö

20

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 2.0 0.025 0.025 1.5 0.000 0.000 1.0 -0.025 -0.025 0.5 0.0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 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 6 6 8e-05 6e-05 4 4 · 4e-05 2 -2 -2e-05

time

0

40

40

20

0

0e+00

Ö

20

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 2.0 0.025 0.025 1.5 0.000 0.000 1.0 -0.025 -0.025 0.5 0.0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 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 6 8e-05 6 6e-05 4 4 · 4e-05 2 -2 -2e-05 0e+00

20

time

0

40

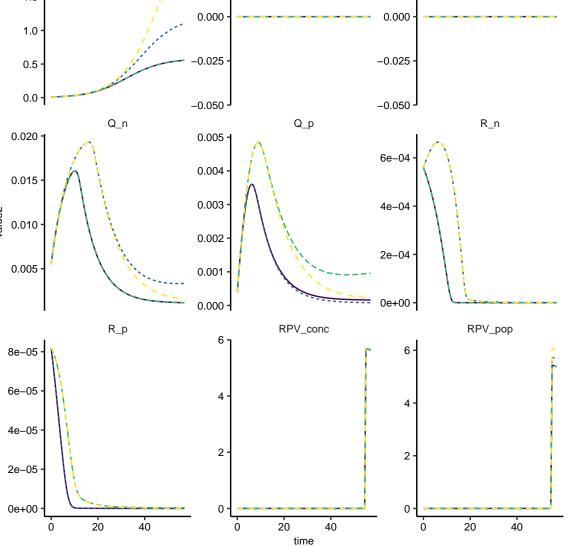
20

0

20

0

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 2.5 -2.0 0.025 0.025 1.5 0.000 0.000 1.0 -0.025 -0.025 0.5 0.0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 4e-04 value2 0.010 0.002 2e-04 0.005 0.001 0e+00 -0.000 R\_p RPV\_conc RPV\_pop 6 8e-05 6

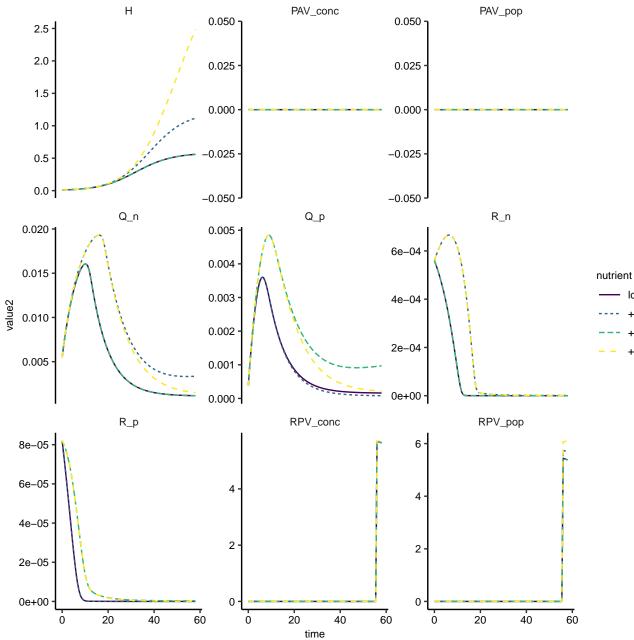


low

+N

+N+P

NA = NA; NA = NA2.5 -



low

+N

+N+P

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 2 0.025 0.025 0.000 0.000 1 -0.025 -0.025 0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 0.020 -0.005 6e-04 0.004 0.015 nutrient 0.003 low 4e-04 value2 0.010 +N 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 RPV\_conc R\_p RPV\_pop 8e-05 6 6e-05 4 4 4e-05 2 -2 · 2e-05 0e+00

Ö

40

60

20

time

Ö

40

60

60

20

40

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 2 0.000 0.000 1 -0.025 -0.025 0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 0.010 -+N 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 RPV\_conc R\_p RPV\_pop 8e-05 6 6e-05 4 4 4e-05 2 -2 -2e-05

40

20

time

Ö

60

40

20

0

0e+00

Ö

20

40

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 2 0.000 0.000 1 -0.025 -0.025 0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 0.010 +N 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 RPV\_conc R\_p RPV\_pop 8e-05 6 6e-05 4 4 4e-05 2 -2 -2e-05 0e+00

40

time

20

Ö

20

Ö

40

60

60

40

20

NA = NA; NA = NAН PAV\_conc PAV\_pop 0.050 0.050 0.025 0.025 2 0.000 0.000 1 -0.025 -0.025 0 --0.050 **-**-0.050 -Q\_n R\_n Q\_p 0.020 -0.005 6e-04 0.004 0.015 nutrient low 0.003 4e-04 value2 0.010 -+N 0.002 2e-04 +N+P 0.005 0.001 0e+00 -0.000 RPV\_conc R\_p RPV\_pop 8e-05 6 6e-05 4 4 4e-05 2 -2 -2e-05

60

20

0

0e+00

0

20

40

60

20

Ö

40

time