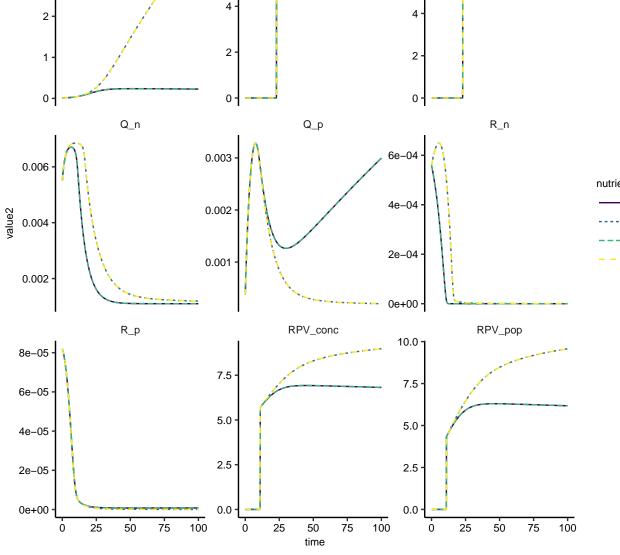
a_n_lo = 1.1e-13; a_p_lo = 1.6e-14 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -0 Q_n Q_p R_n 0.003 0.006 nutrient low 4e-04 0.002 value2 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5 2e-05 0e+00 0.0 0.0 75 100 50 75 100 25 50 100 25 50 75 0 . 25

a_n_lo = 1.1e-13; a_p_lo = 1.6e-11 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -0 Q_n Q_p R_n 0.003 0.006 nutrient low 4e-04 0.002 value2 +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 2.5 2e-05 0e+00 0.0 0.0 75 100 50 75 100 25 50 100 25 50 75 0 . 25

a_n_lo = 1.1e-13; a_p_lo = 1.6e-07 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -0 Q_n Q_p R_n 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 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 50 75 100 25 50 100 25 50 75 0 . 25

a_n_lo = 1.1e-13; a_p_lo = 8.2e-06 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -0 Q_n Q_p R_n 0.003 nutrient low 4e-04 0.002 +N 2e-04 +N+P 0.001 0e+00 -R_p RPV_conc RPV_pop 10.0 -7.5 7.5

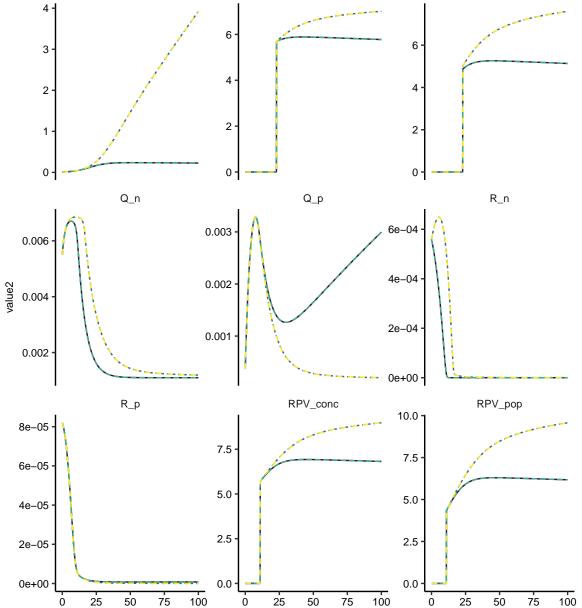


a_n_lo = 1.1e-10; a_p_lo = 1.6e-14 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -0 Q_n Q_p R_n 0.003 0.006 nutrient low 4e-04 0.002 value2 +N 2e-04 0.001 +N+P 0.002 0e+00 -0.000 -R_p RPV_conc RPV_pop 10.0 8e-05 7.5 7.5 6e-05 5.0 5.0 4e-05 2.5 2.5 2e-05 0e+00 0.0 0.0 75 100 50 75 100 25 50 100 25 50 75 0 . 25

a_n_lo = 1.1e-10; a_p_lo = 1.6e-11 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -0 Q_n Q_p R_n 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 -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 50 75 100 25 50 100 25 50 75 0 . 25

a_n_lo = 1.1e-10; a_p_lo = 1.6e-07 Н PAV_conc PAV_pop 4 -6 6 3 4 2 2 2 1 0 -0 Q_n Q_p R_n 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 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 50 75 100 25 50 100 25 50 75 0 . 25

a_n_lo = 1.1e-10; a_p_lo = 8.2e-06 Н PAV_conc 4 -6 3 2 2 1 0 -Q_n Q_p 0.003



PAV_pop

nutrient

low

+N

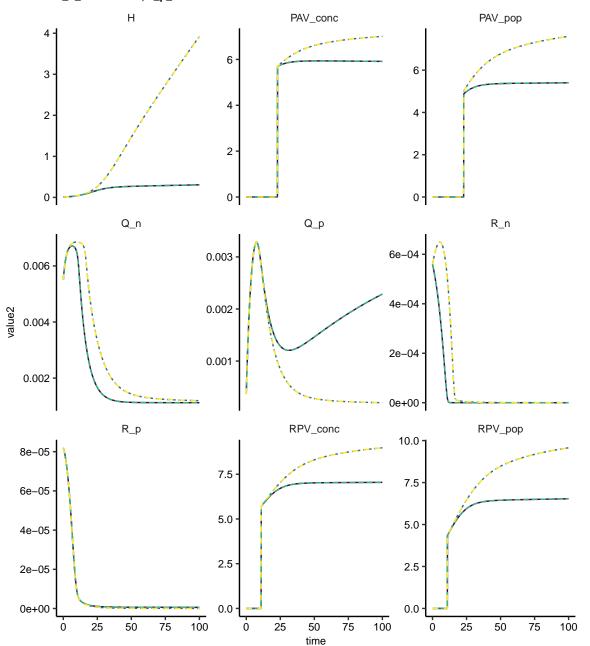
+N+P

a_n_lo = 1.1e-06; a_p_lo = 1.6e-14 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 value2 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 2.5 2e-05 0e+00 0.0 0.0 75 25 100 50 75 100 25 50 100 50 75 0 . 25

a_n_lo = 1.1e-06; a_p_lo = 1.6e-11 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 value2 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 2.5 2e-05 0e+00 0.0 0.0 75 25 100 50 75 100 25 50 100 50 75 0 . 25

a_n_lo = 1.1e-06; a_p_lo = 1.6e-07 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 value2 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 2.5 2e-05 0e+00 0.0 0.0 75 100 50 75 100 25 50 100 25 50 75 0 . 25

a_n_lo = 1.1e-06; a_p_lo = 8.2e-06 Н 4 -



nutrient

low

+N

+N+P

a_n_lo = 5.6e-05; a_p_lo = 1.6e-14 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 value2 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 2.5 2e-05

0.0

25

50

100

100

75

75

0.0

25

50

time

100

0e+00

0

25

50

75

a_n_lo = 5.6e-05; a_p_lo = 1.6e-11 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 value2 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 2.5 2e-05 0e+00 0.0 0.0 75 100 25 50 75 100 25 50 100 25 50 75 0

a_n_lo = 5.6e-05; a_p_lo = 1.6e-07 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 value2 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 2.5 2e-05 0e+00 0.0 0.0

75

100

25

50

25

50

time

25

Ö

50

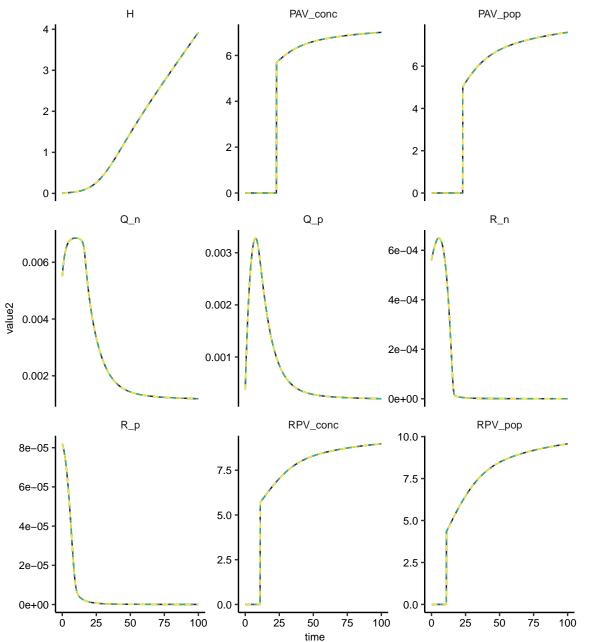
75

100

100

75

a_n_lo = 5.6e-05; a_p_lo = 8.2e-06



nutrient

low

+N

+N+P