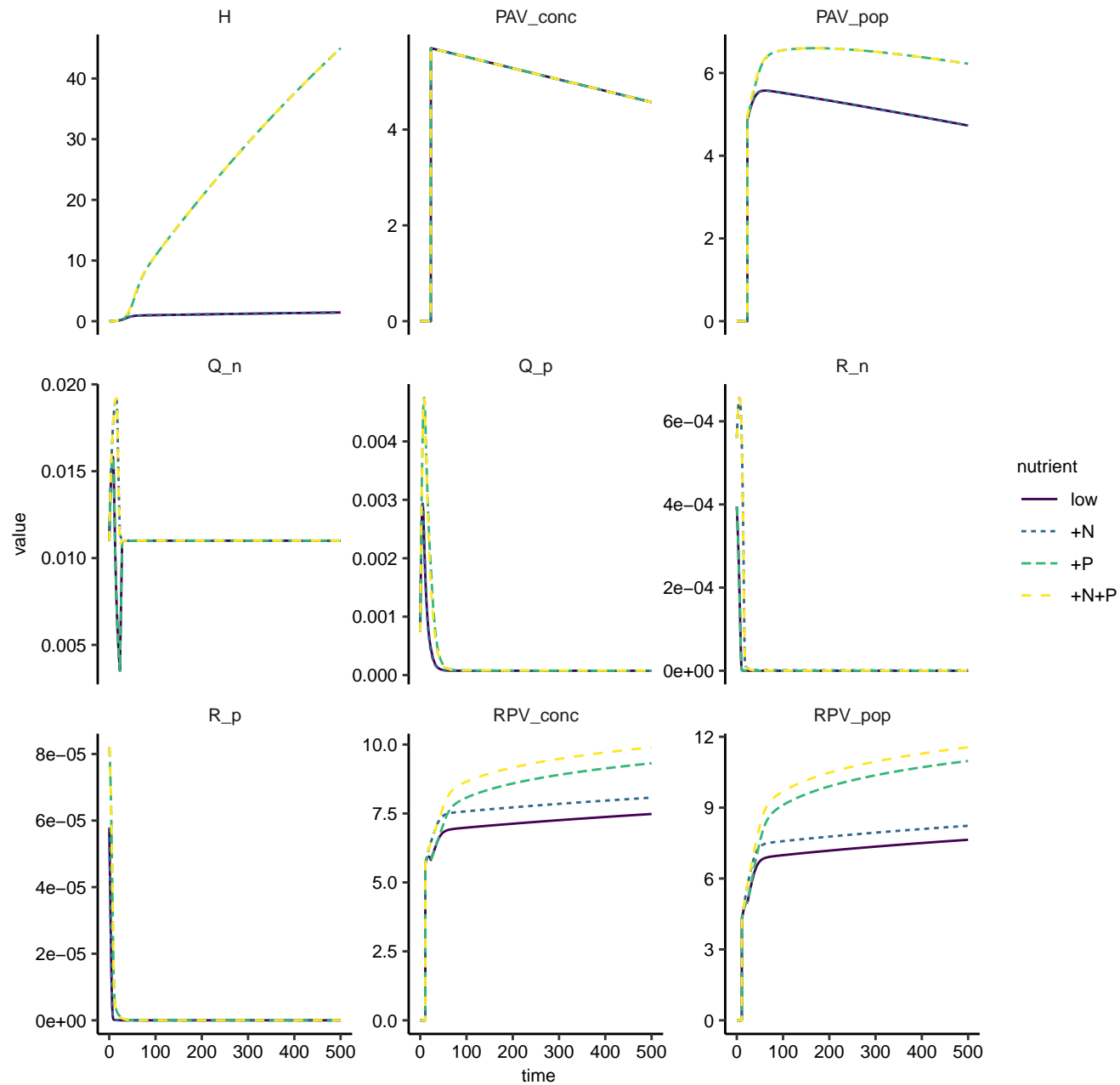
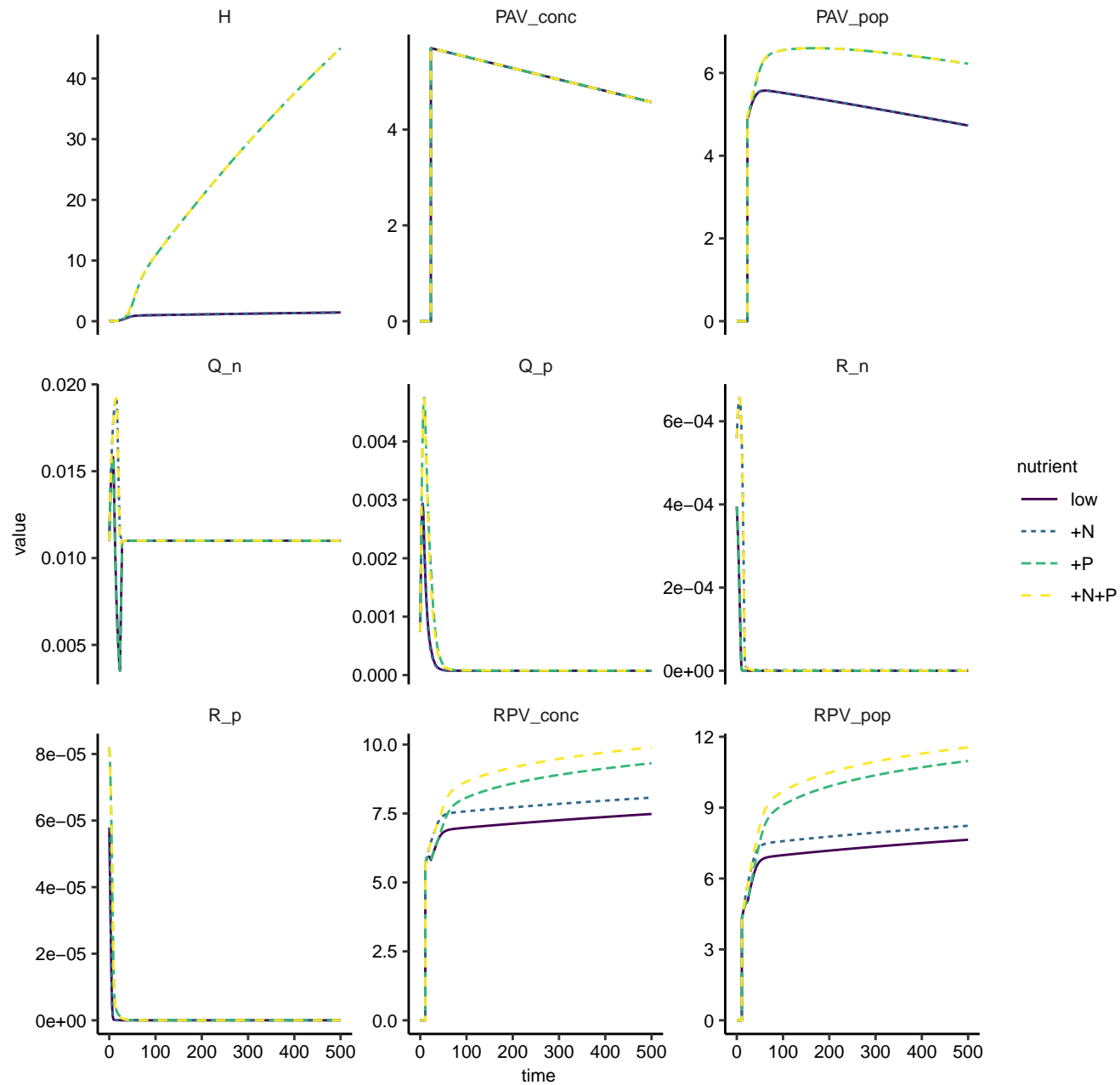


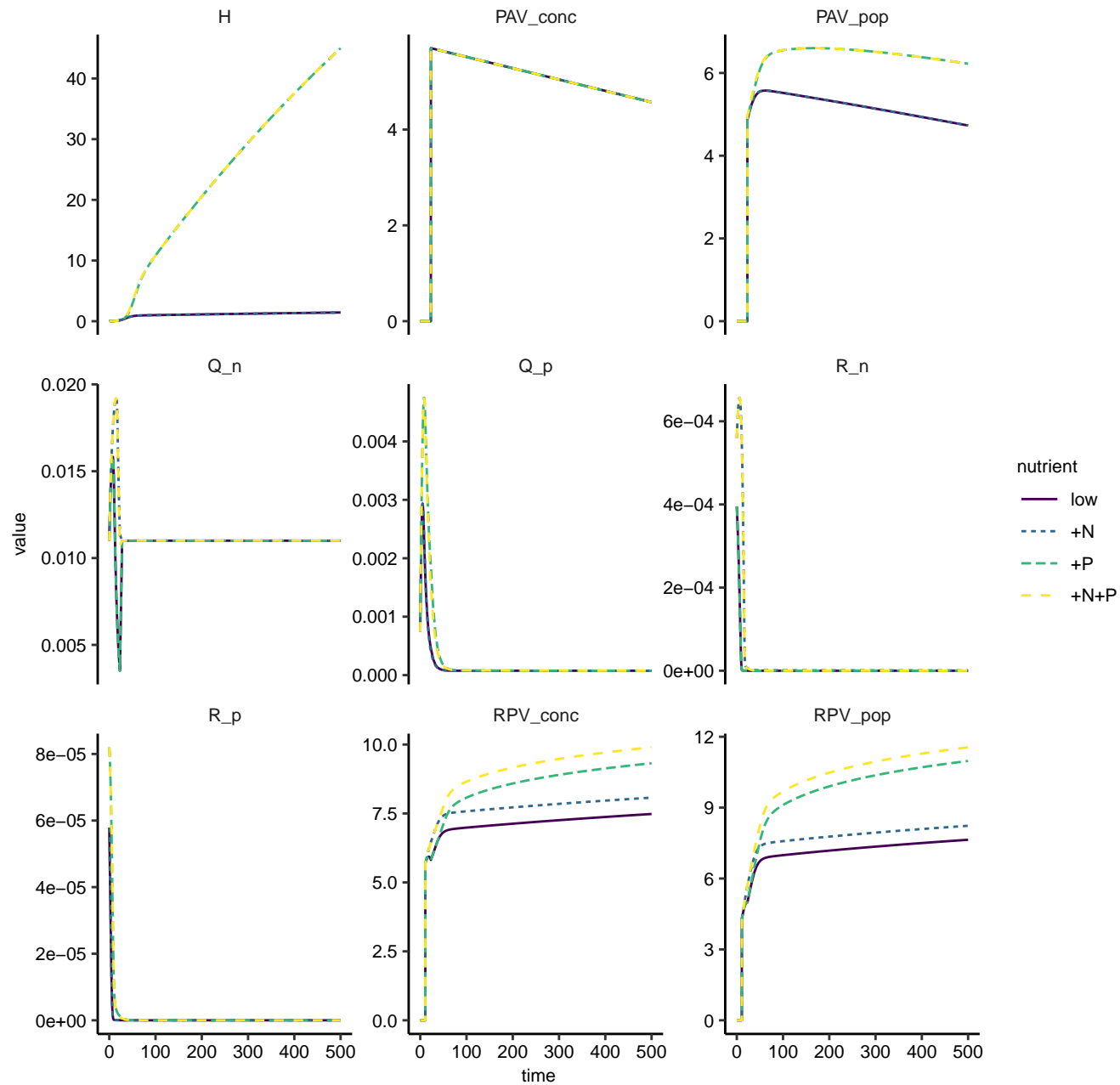
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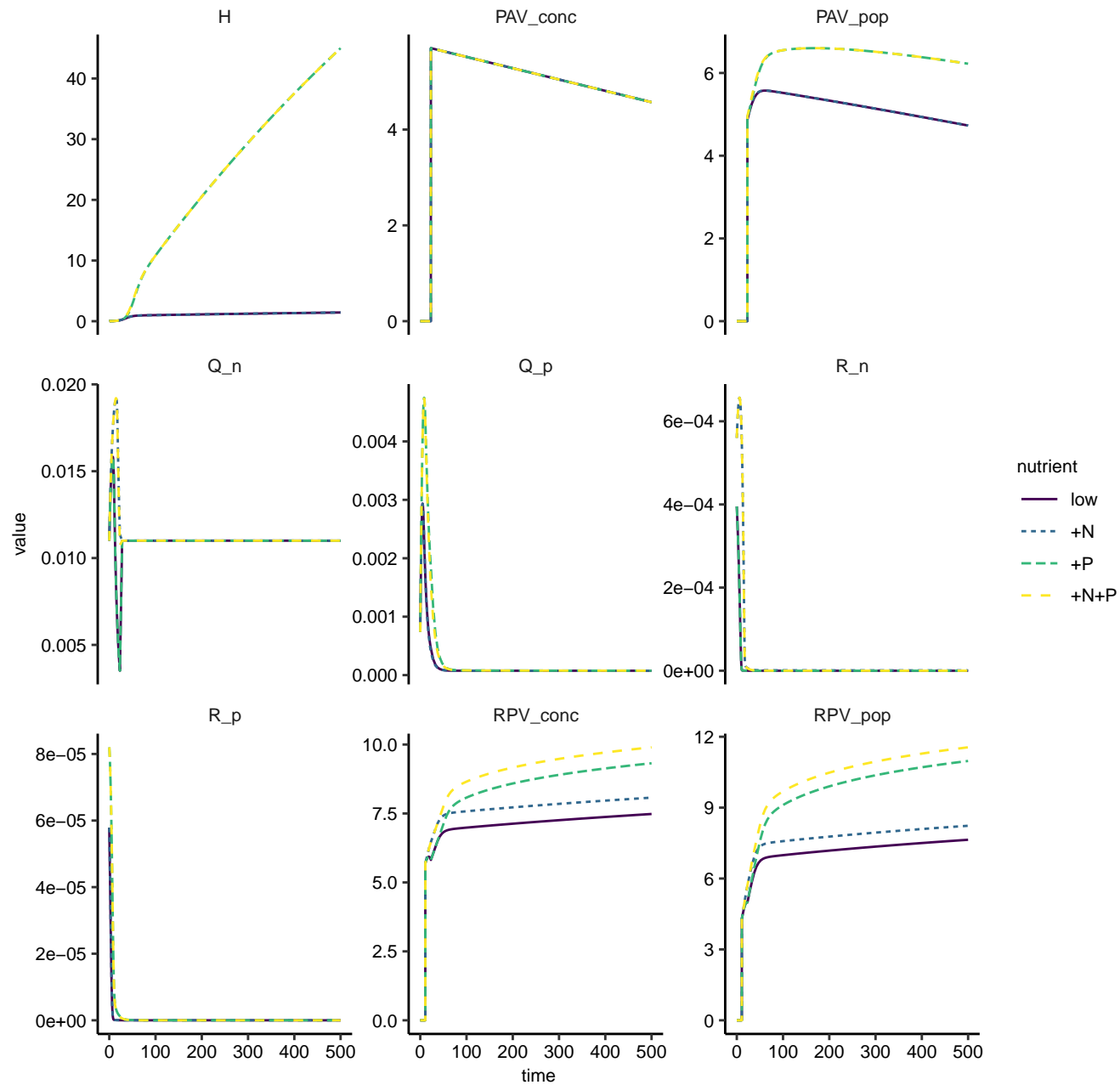
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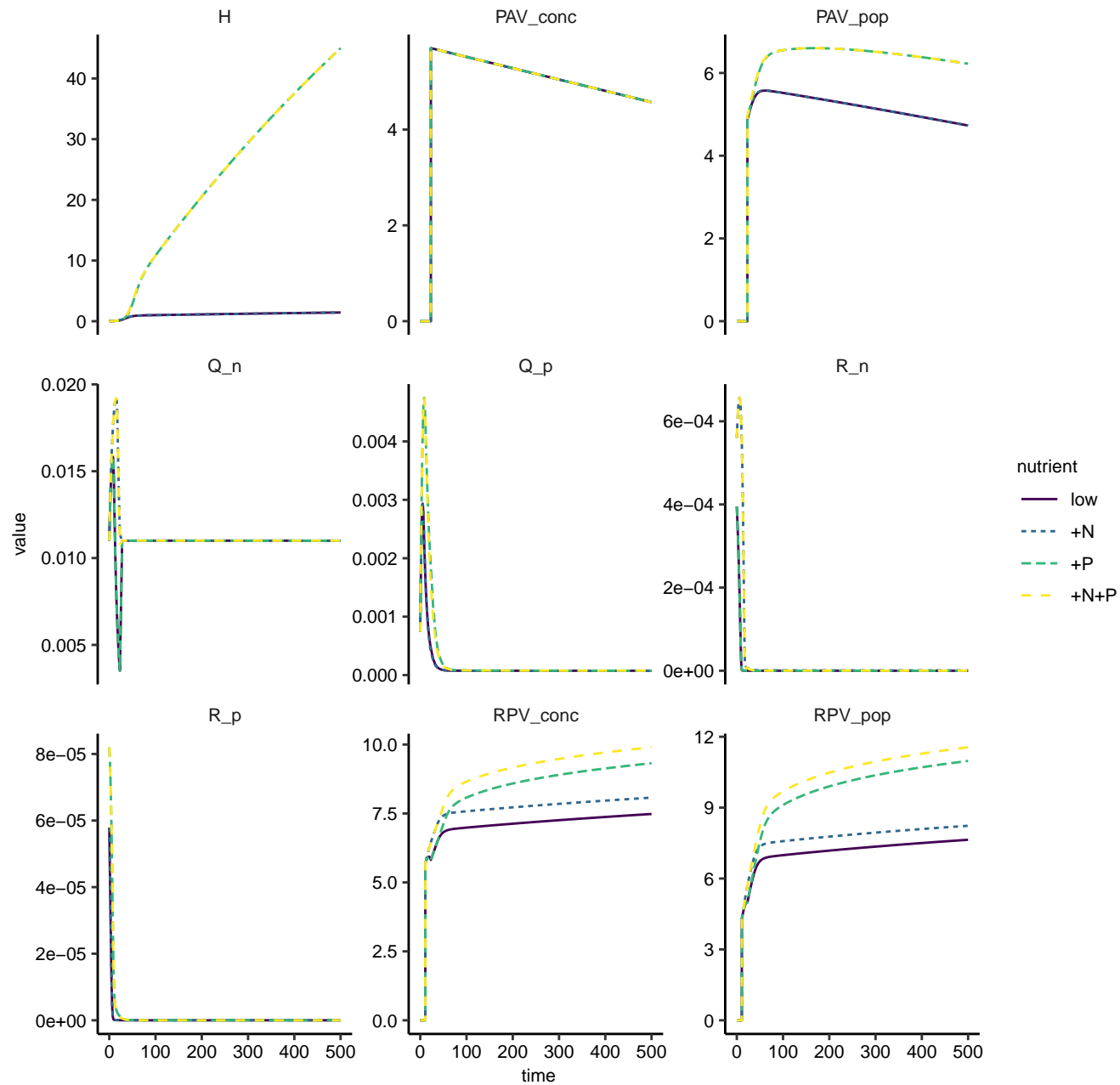
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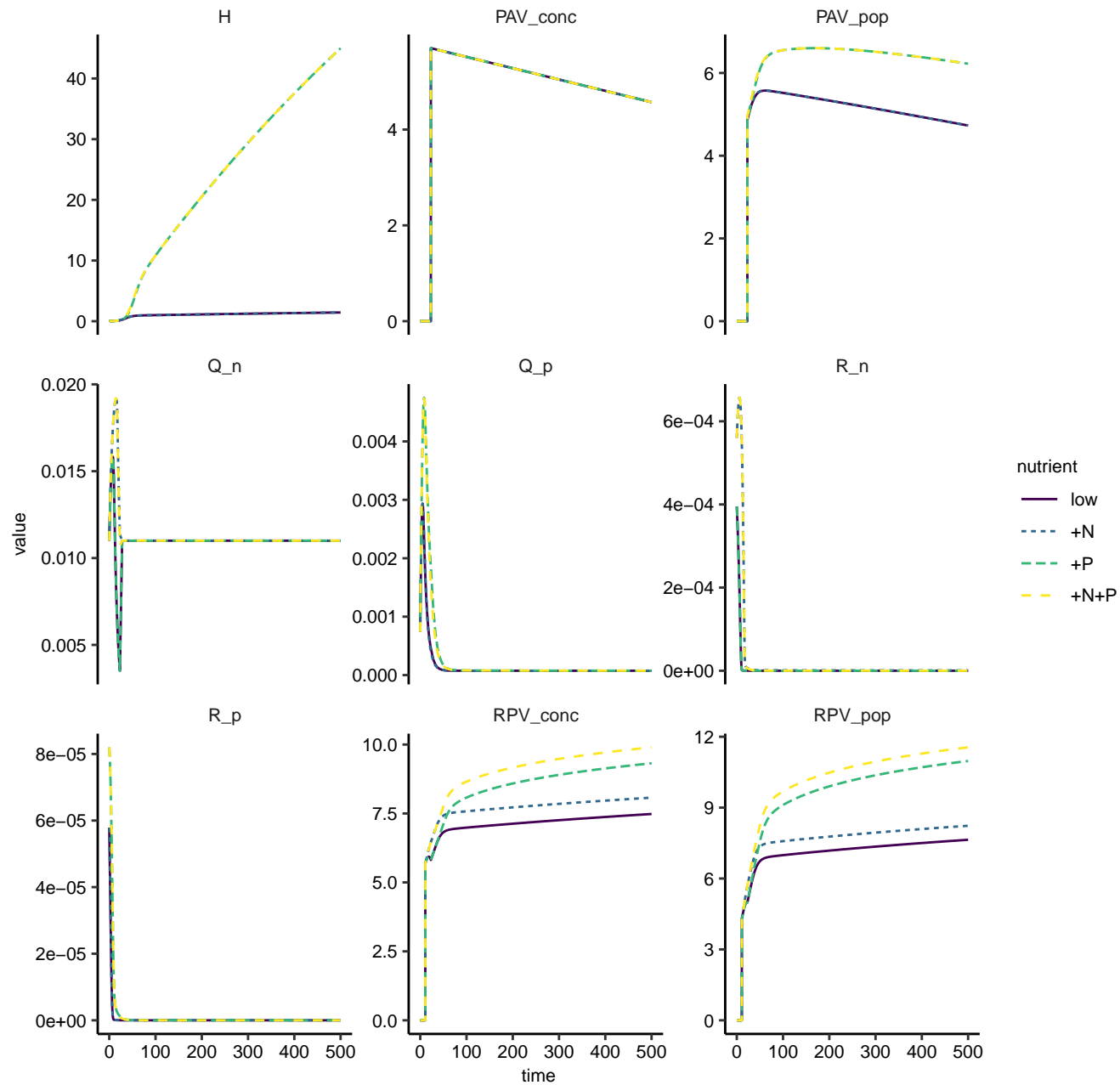
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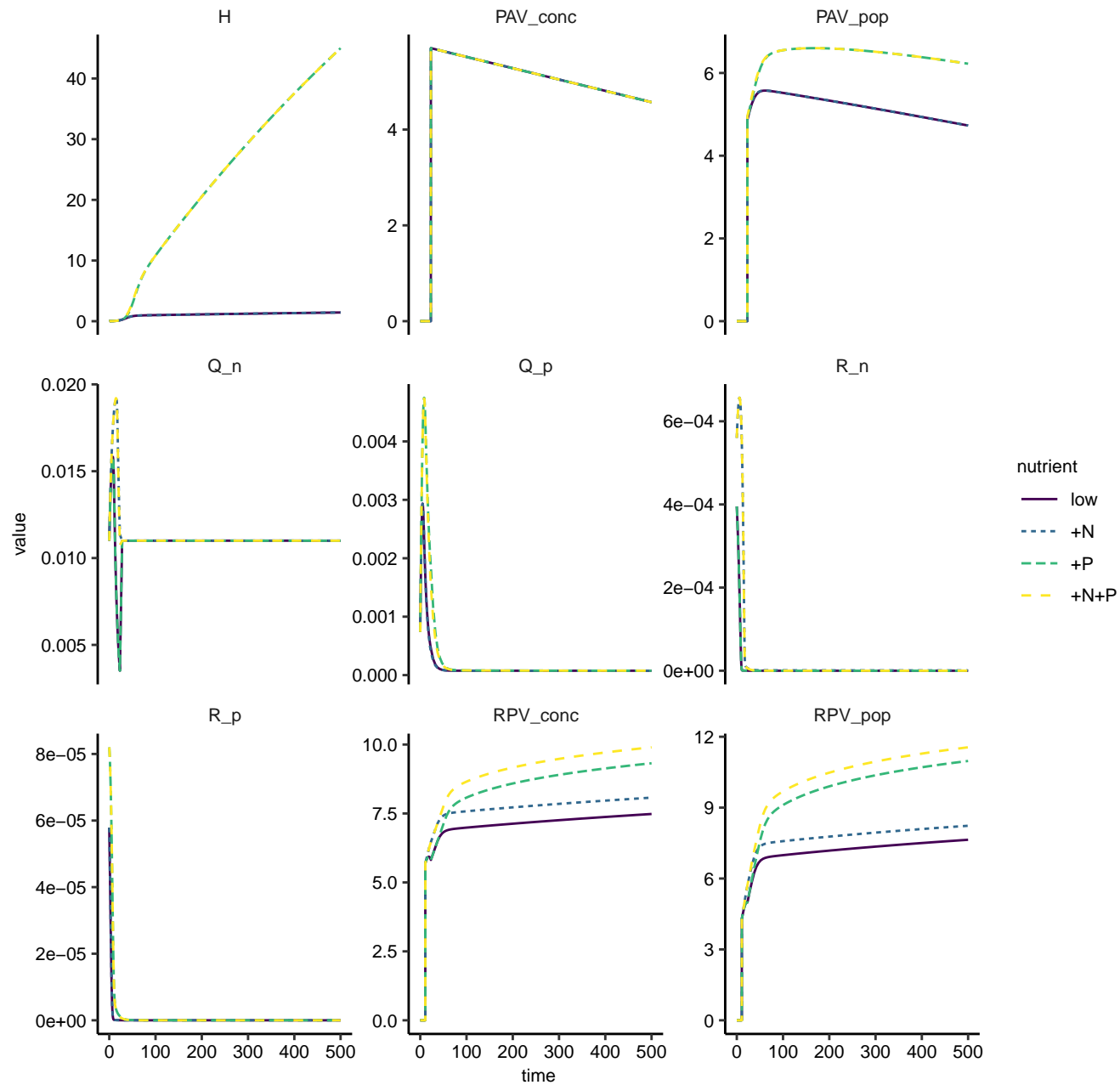
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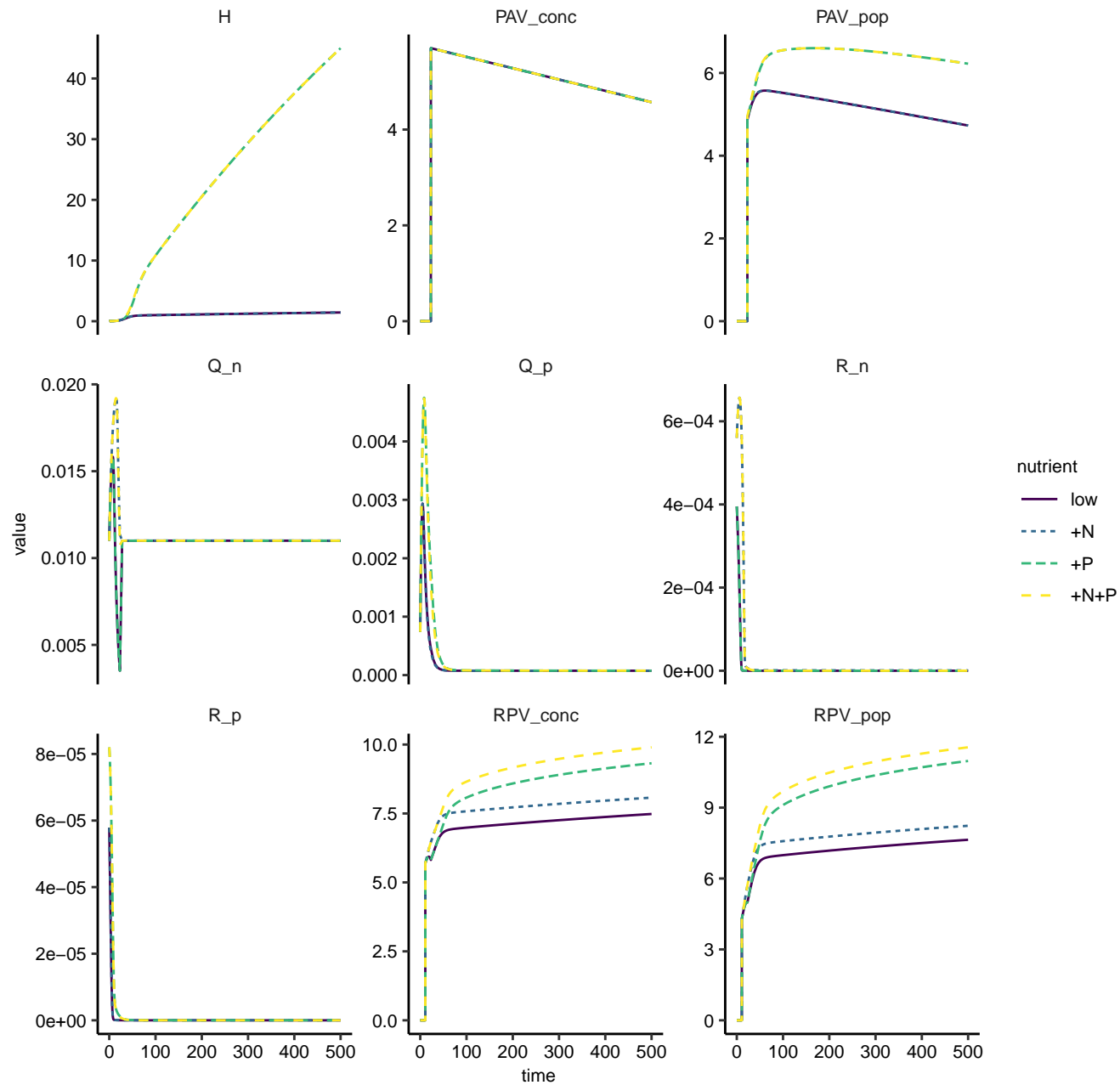
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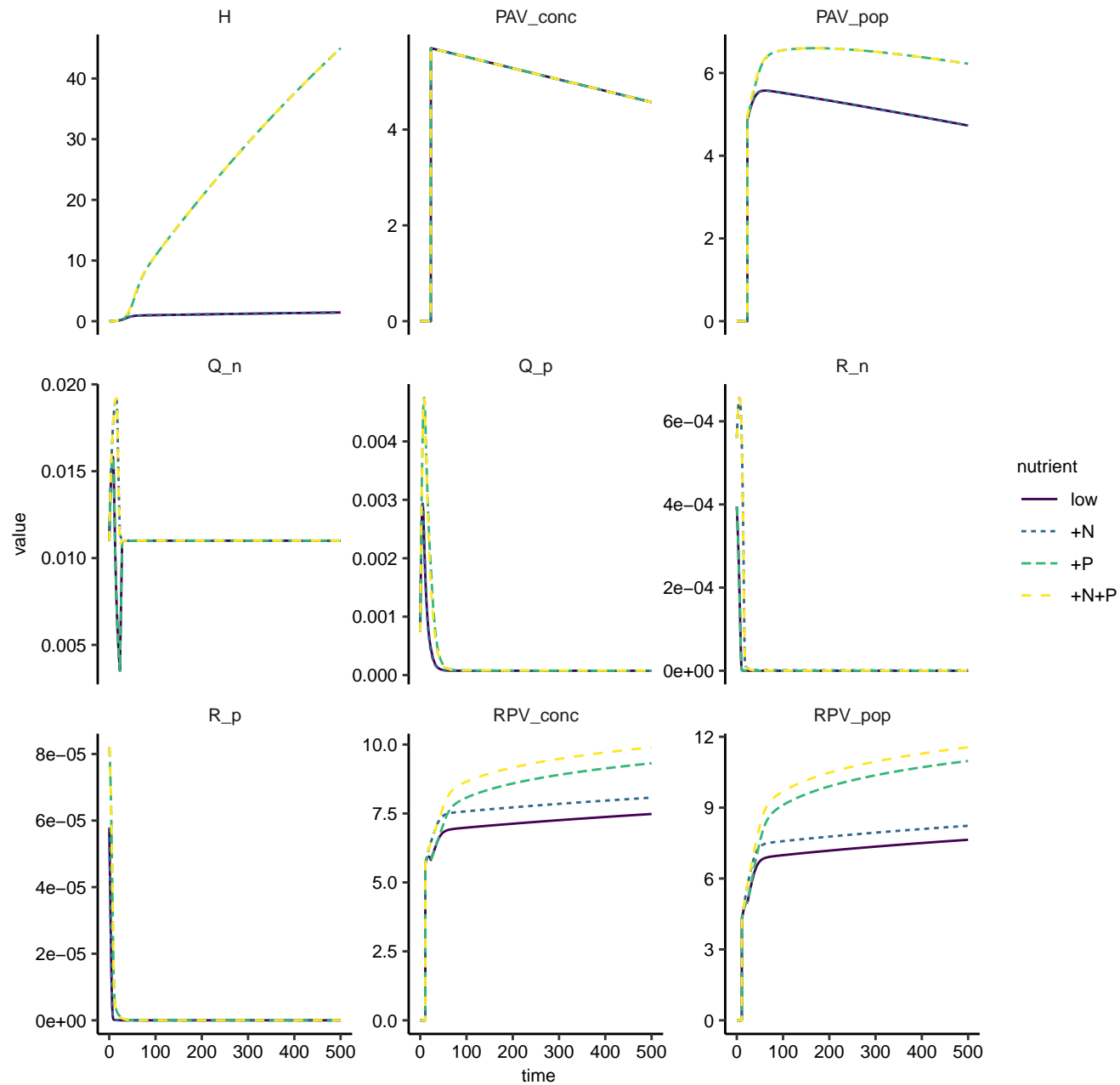


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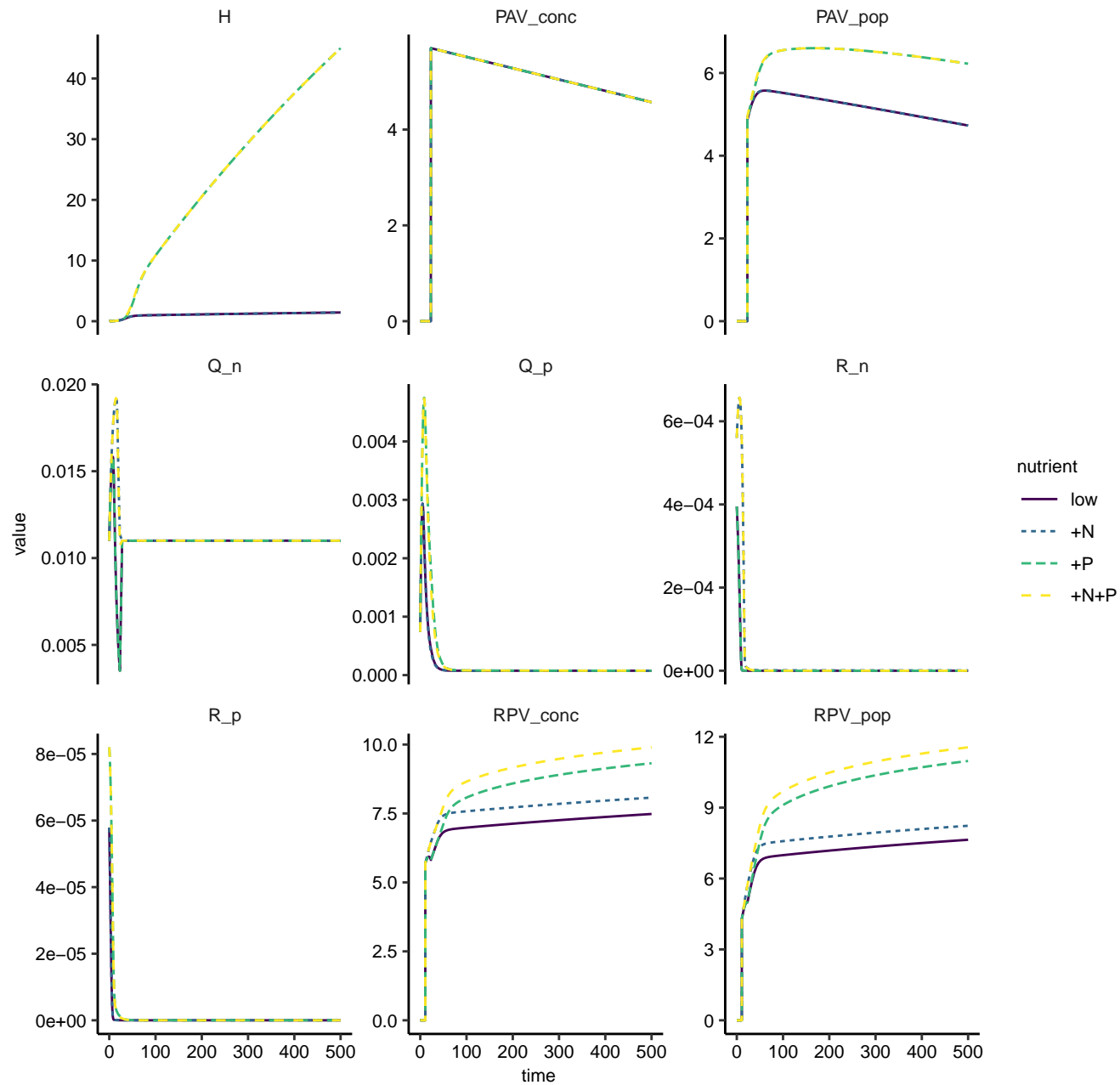




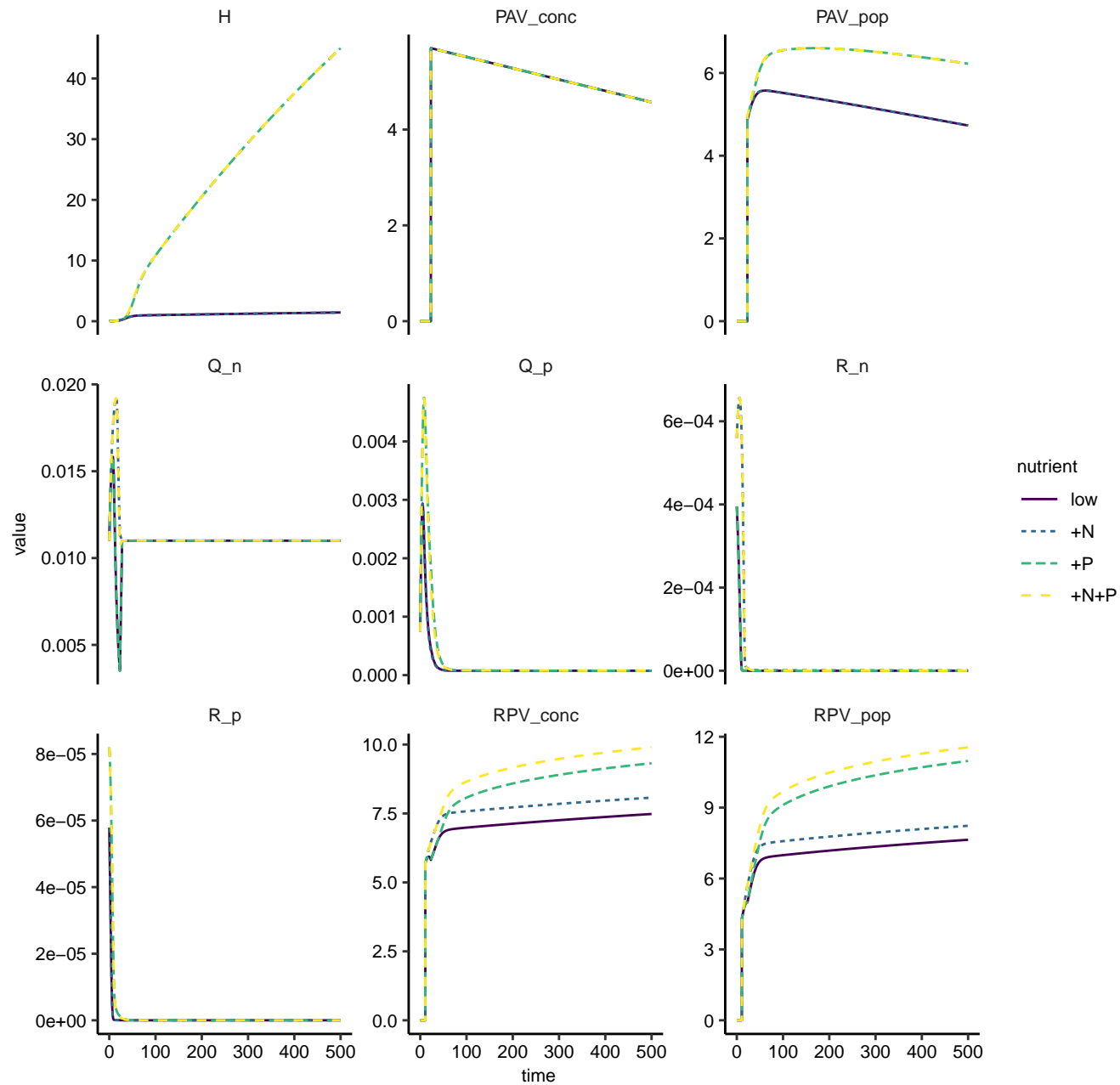
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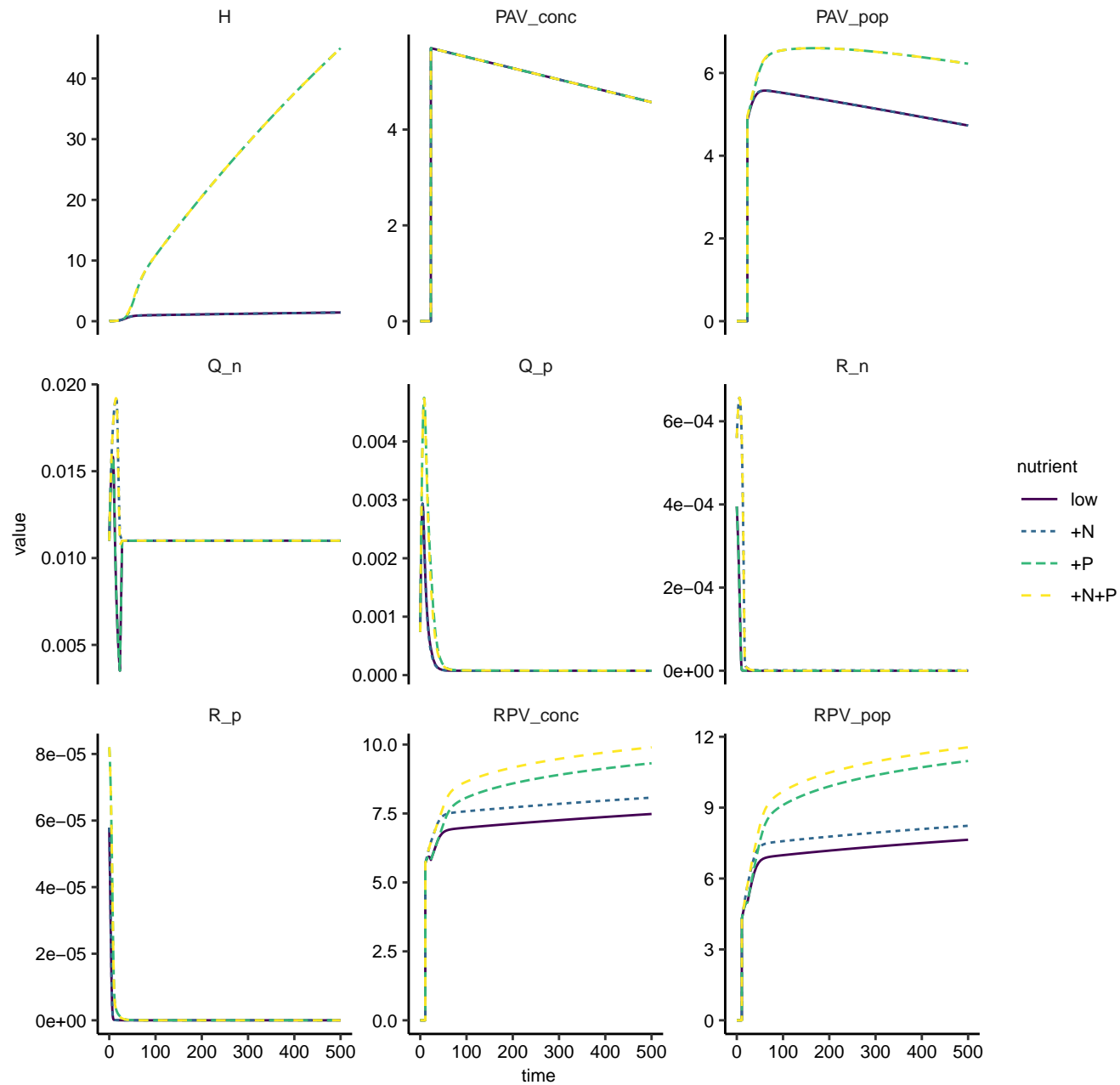
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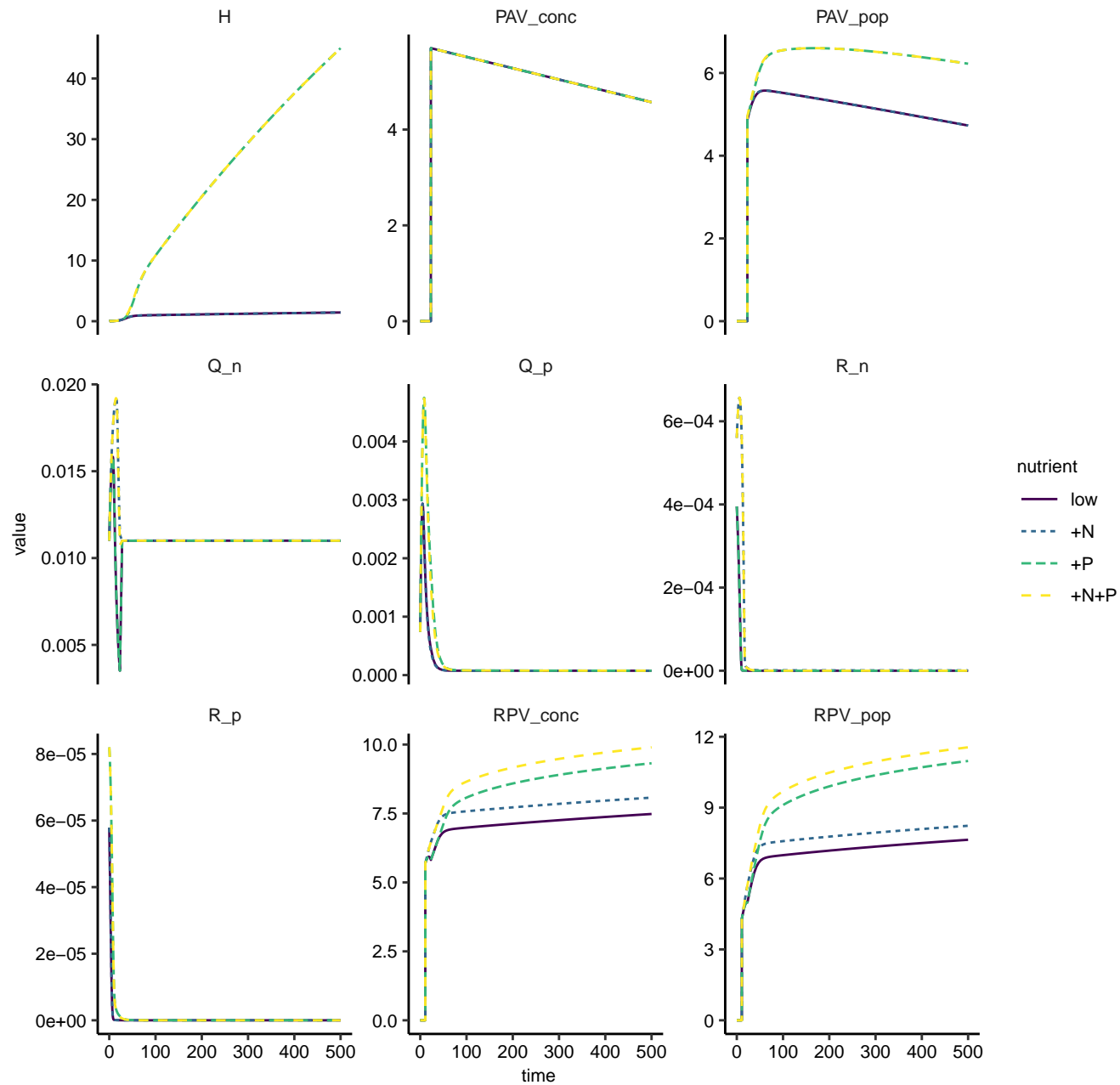
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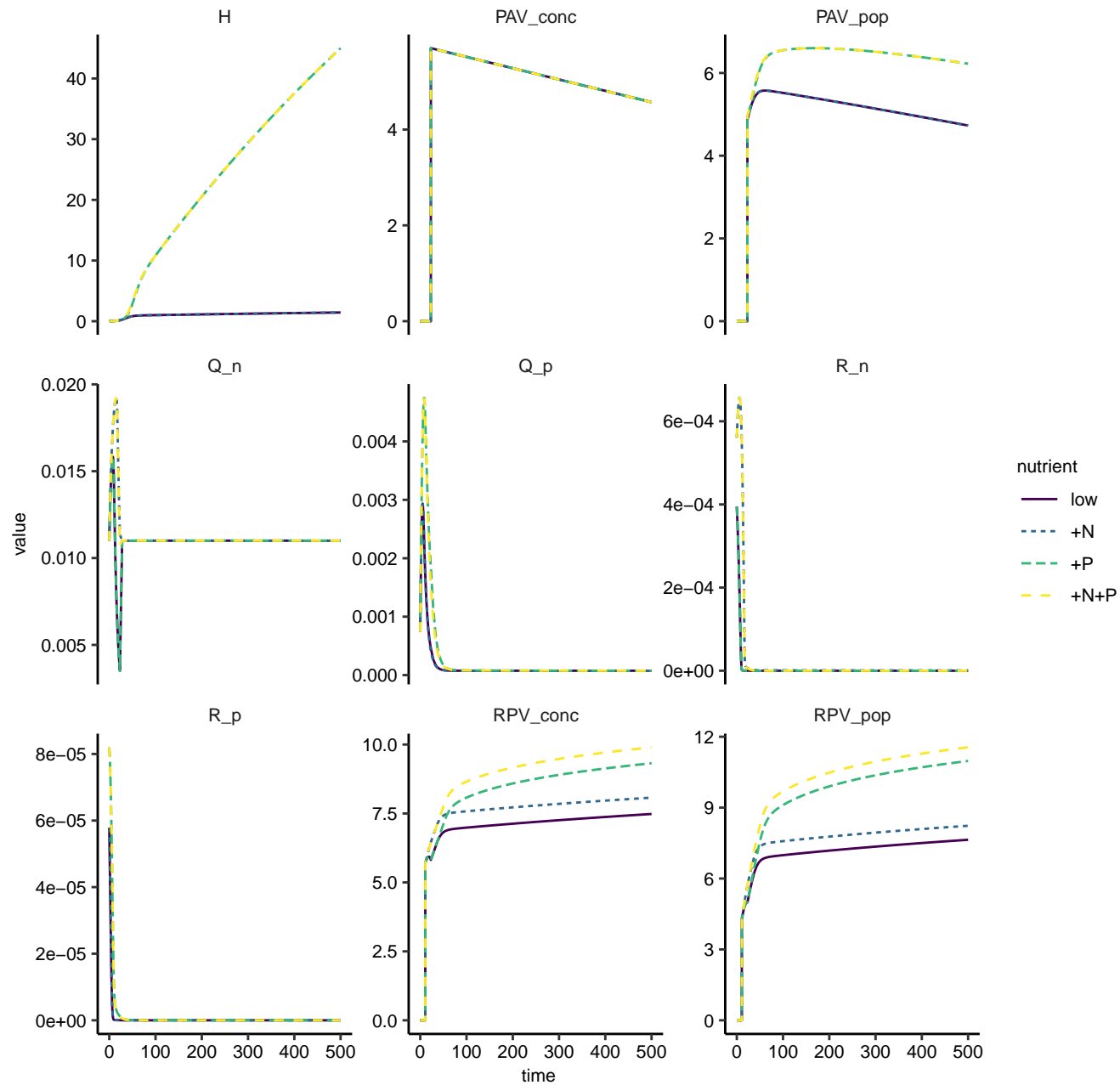
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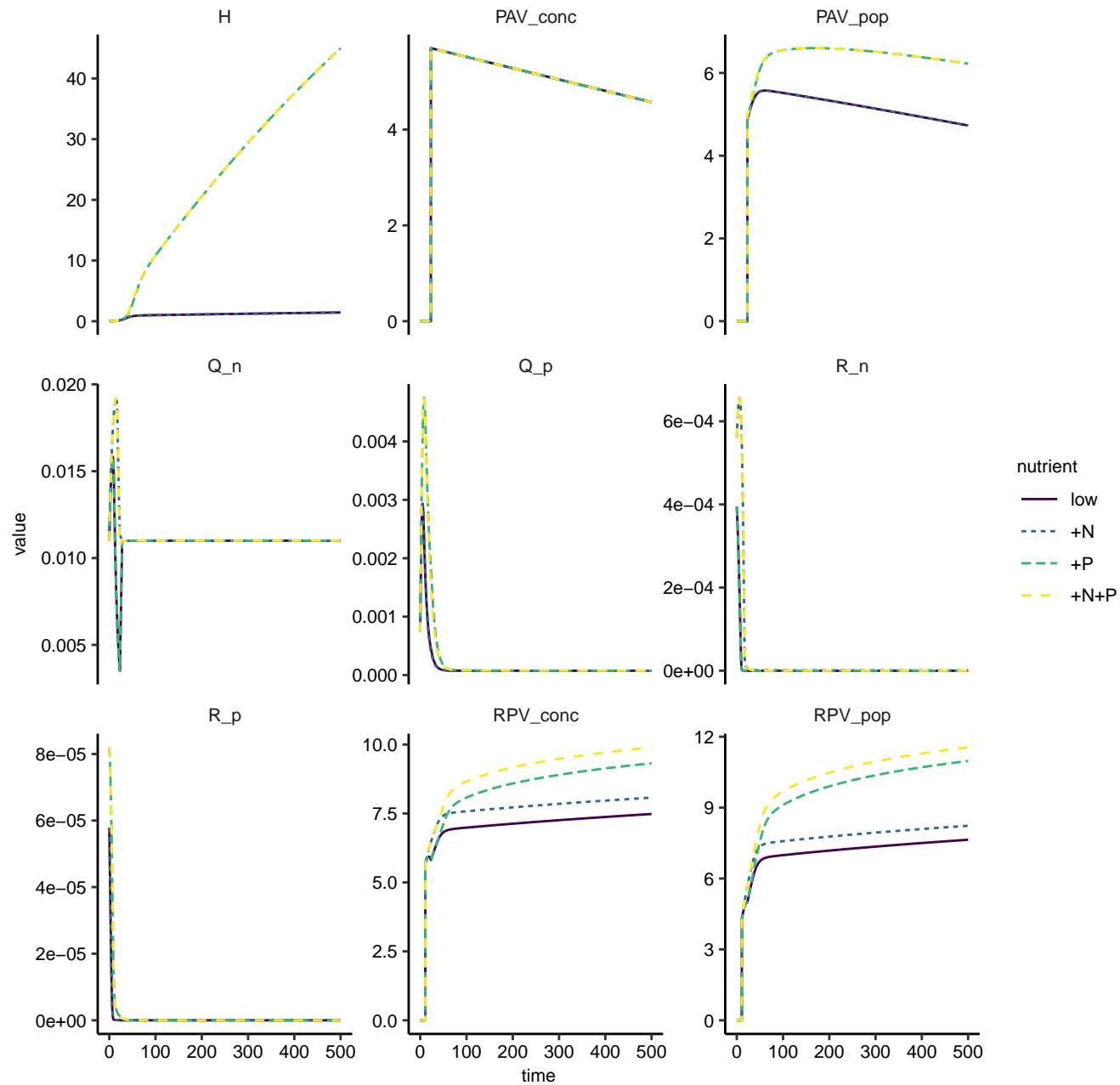
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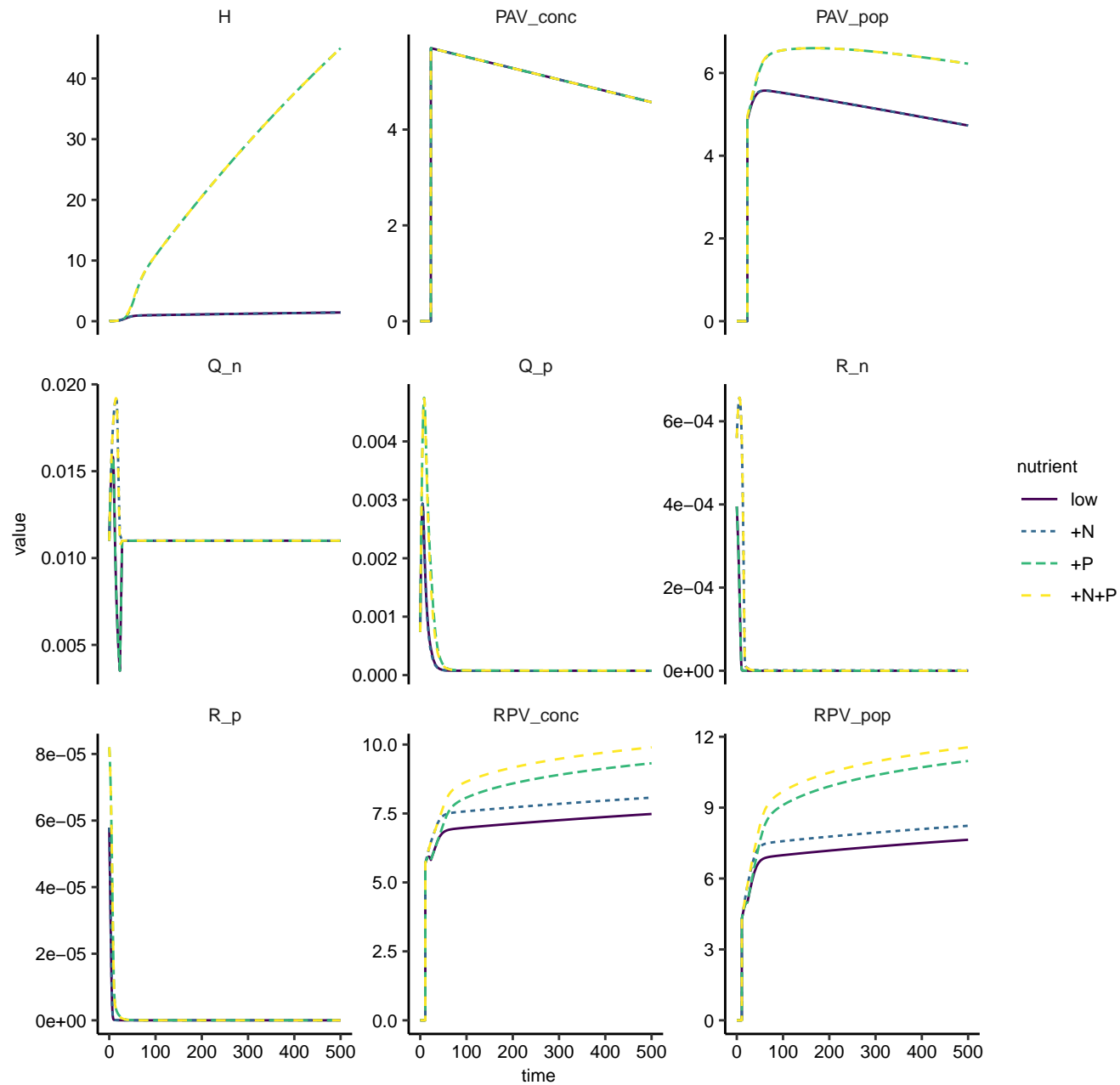
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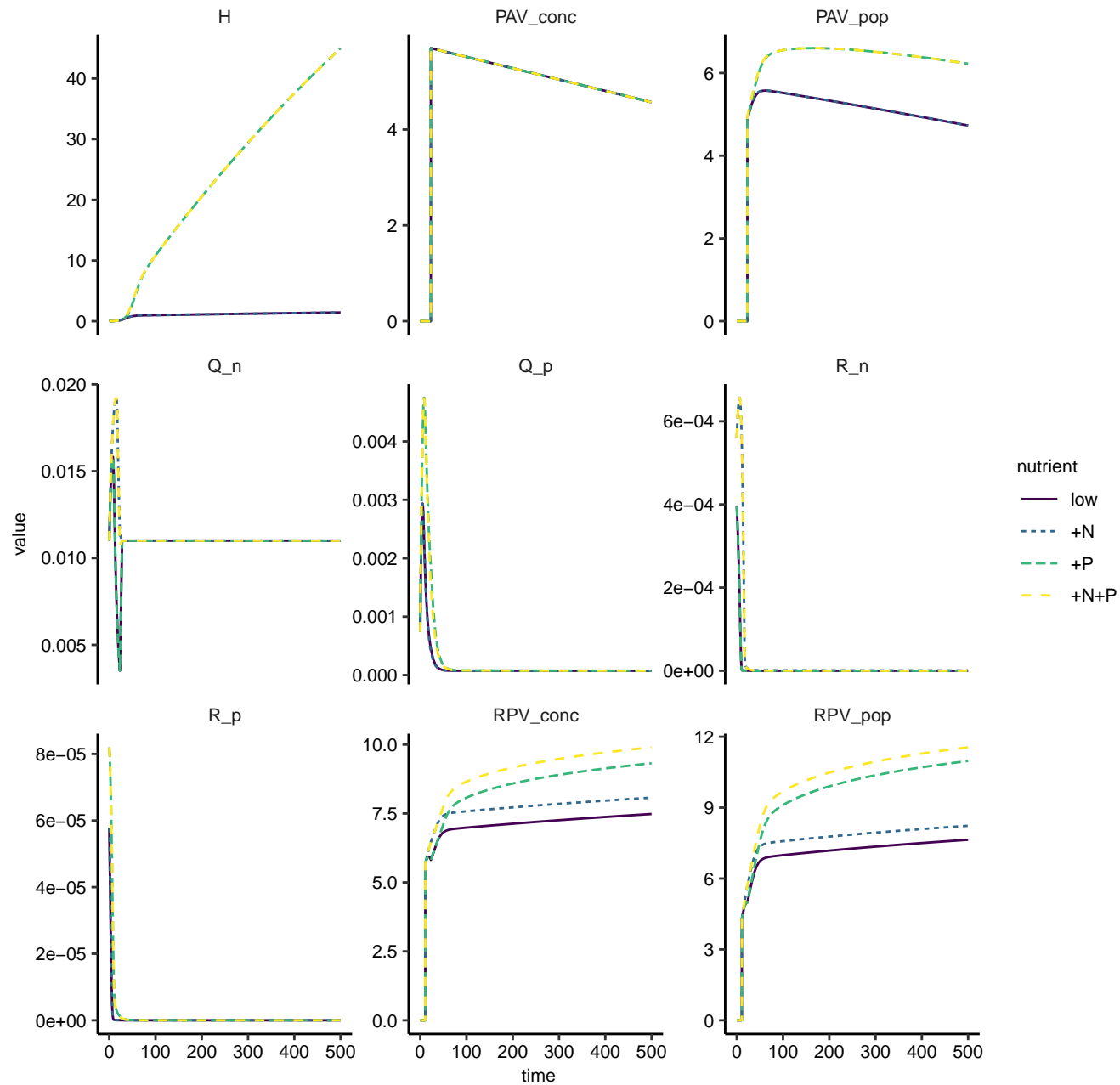


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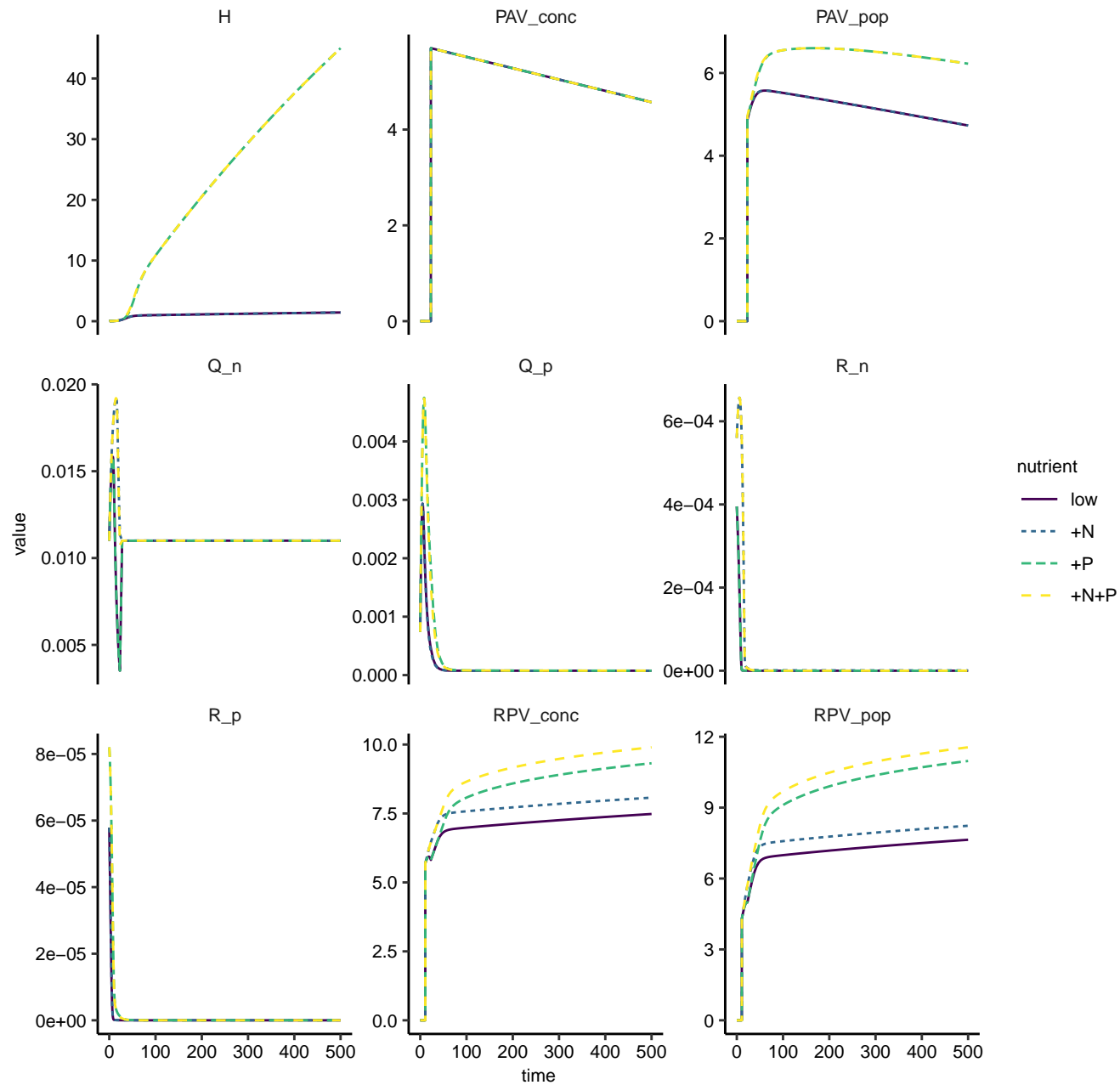




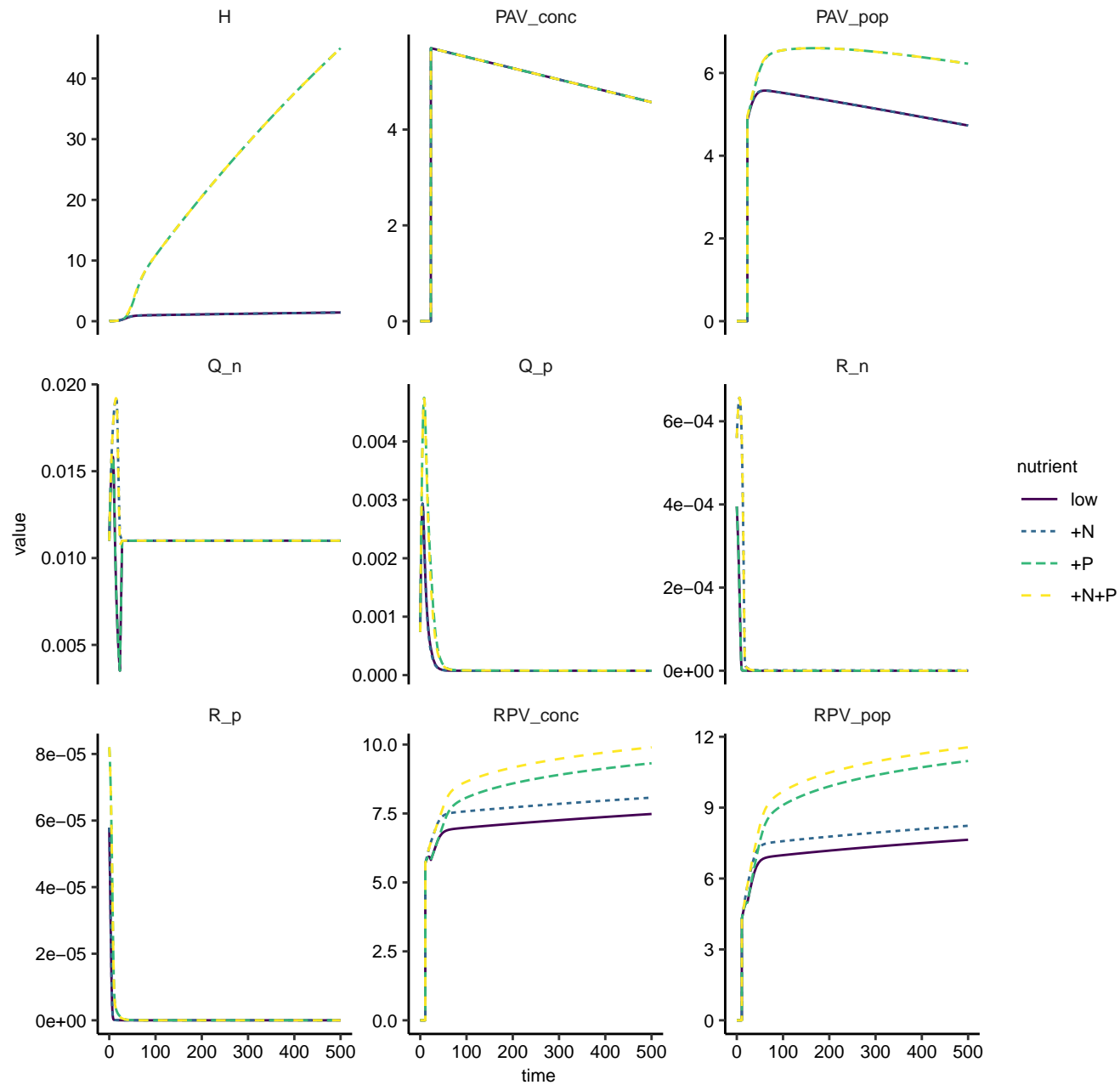
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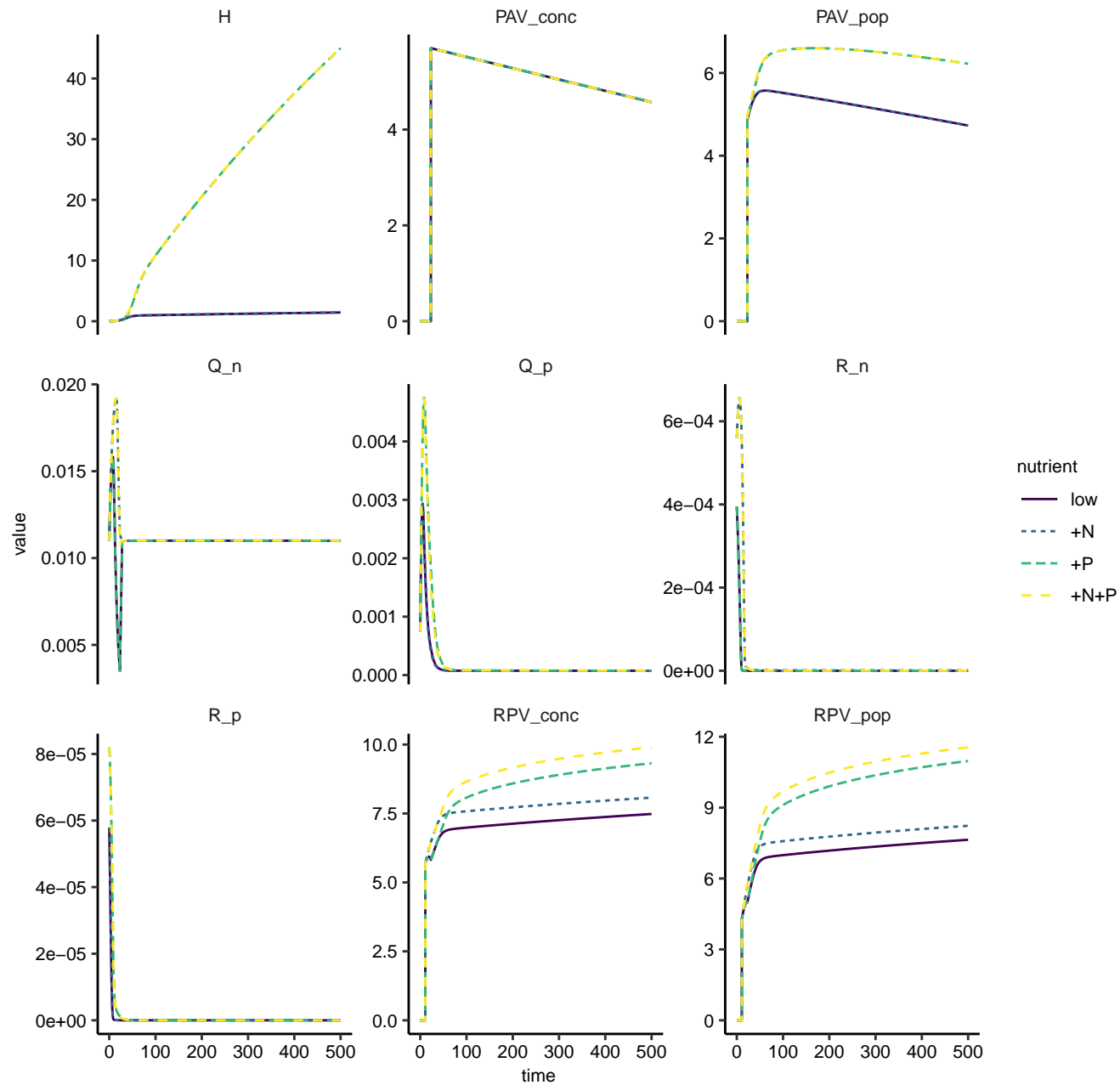
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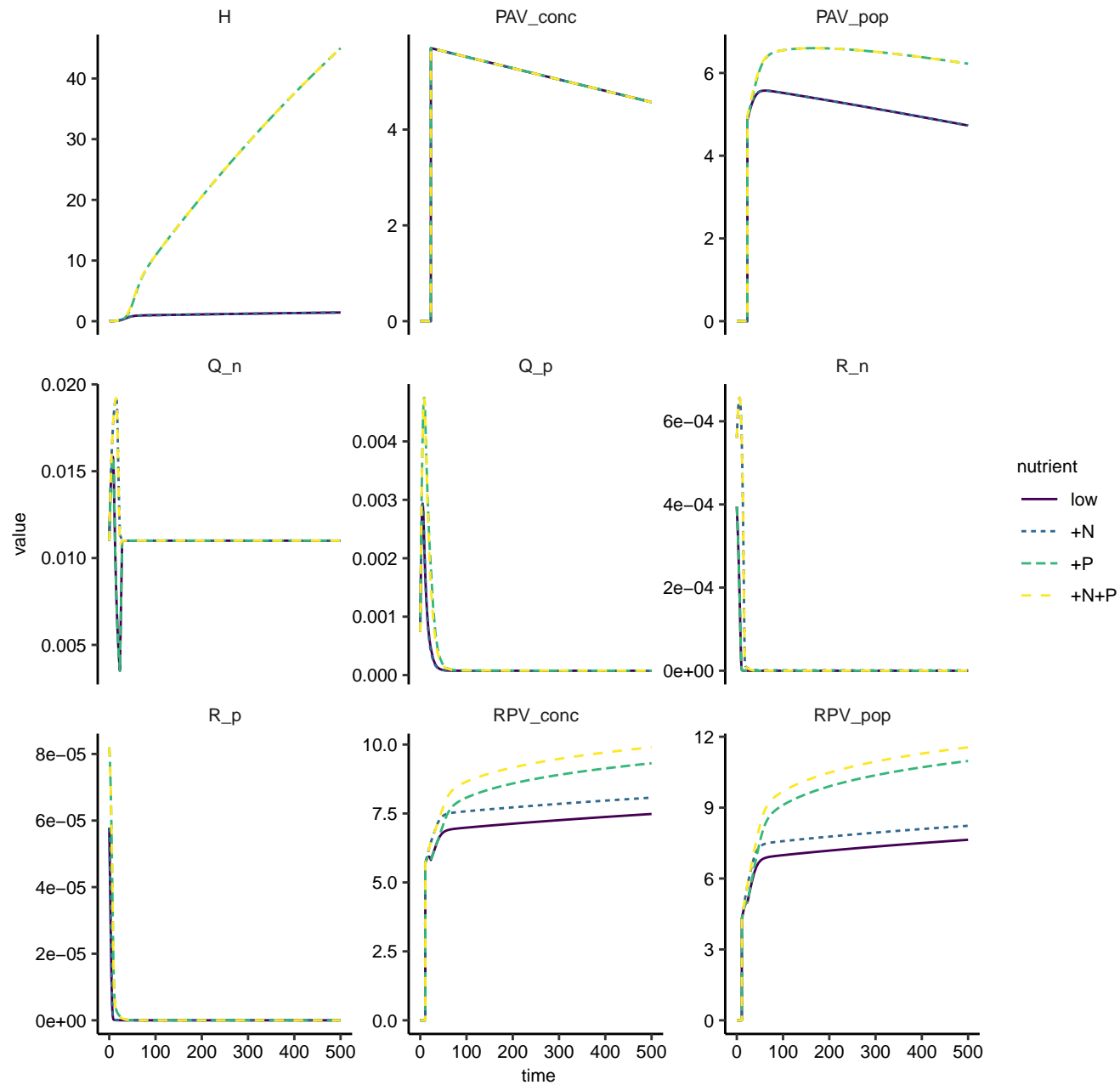
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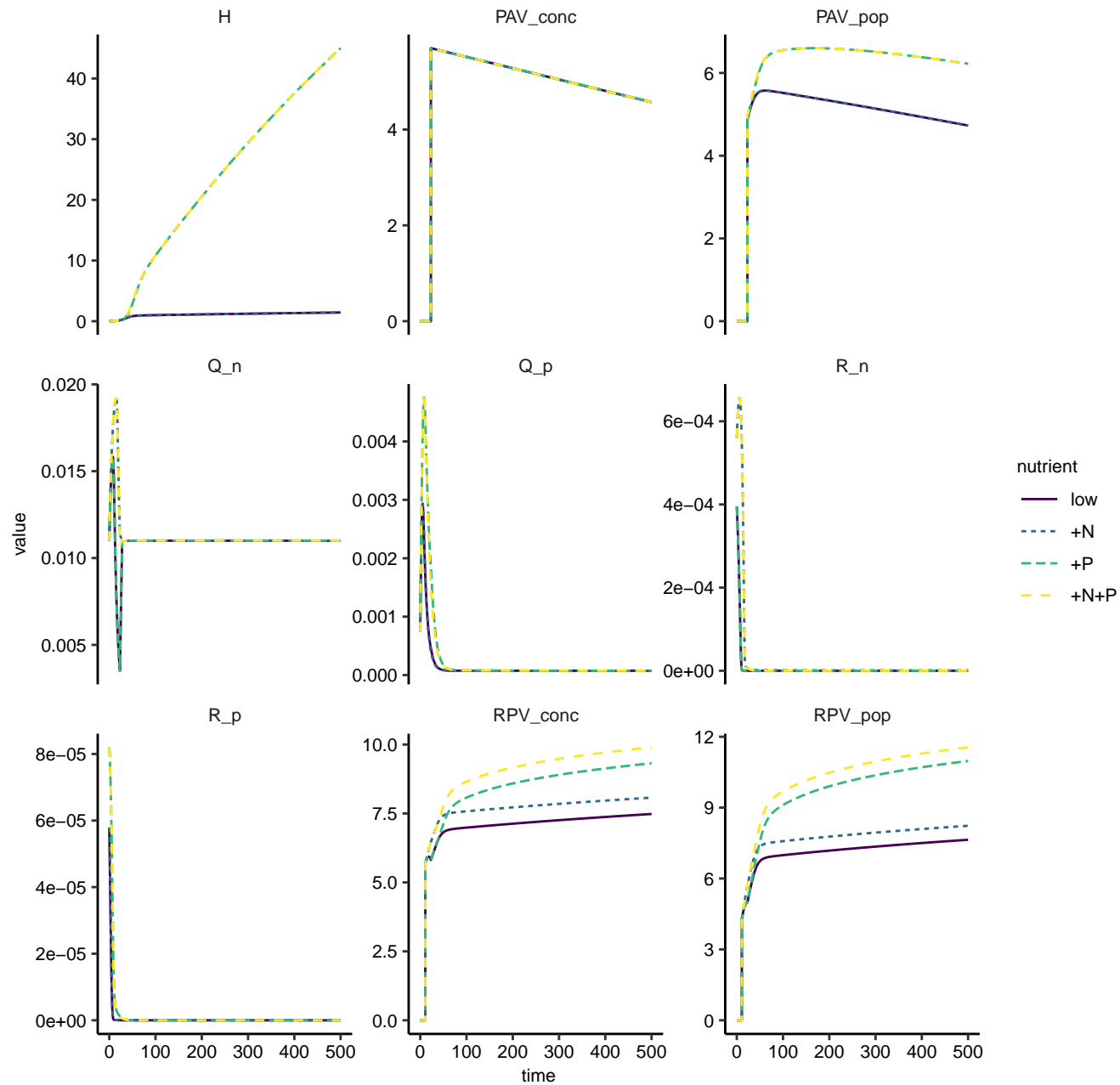
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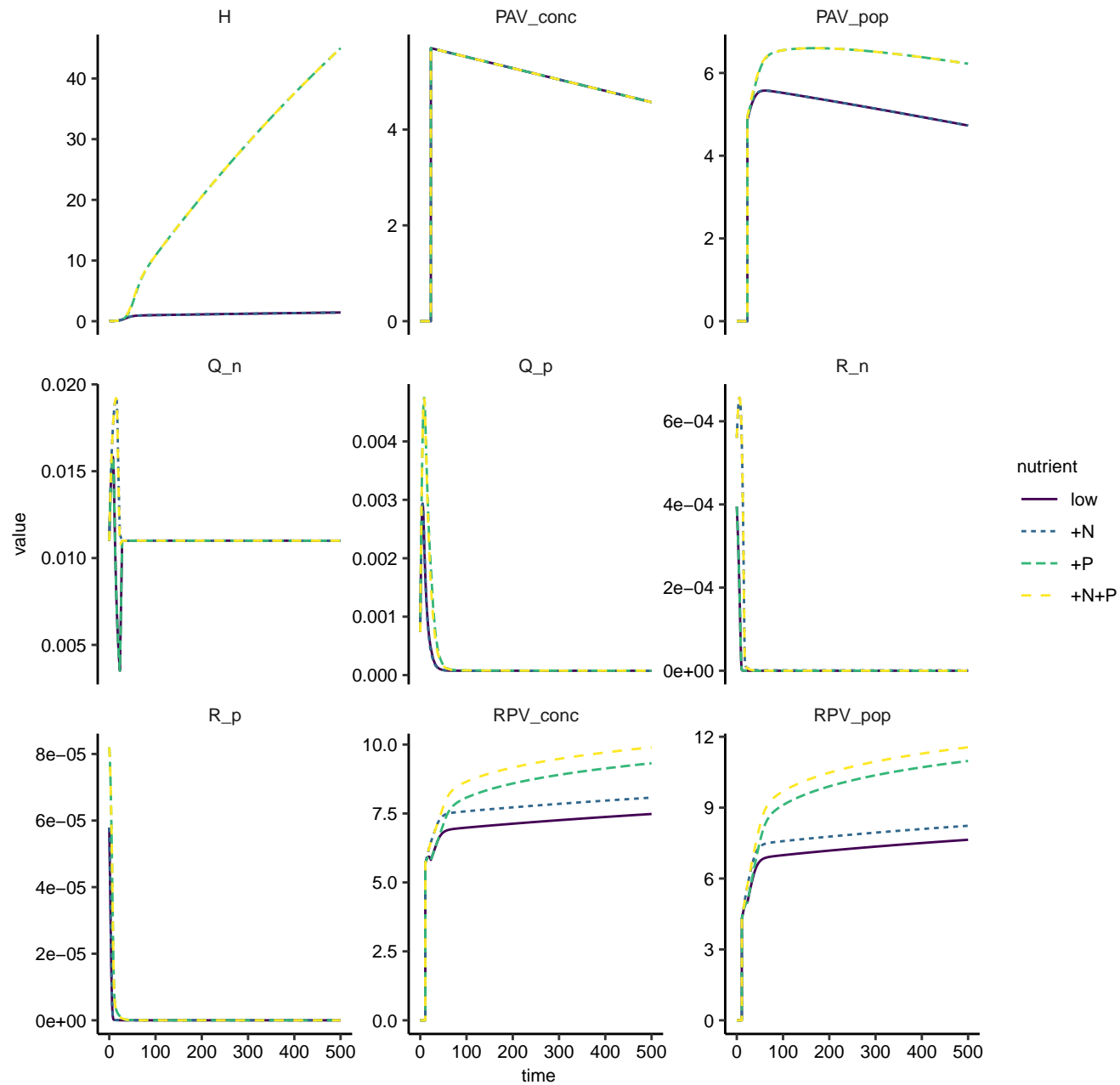
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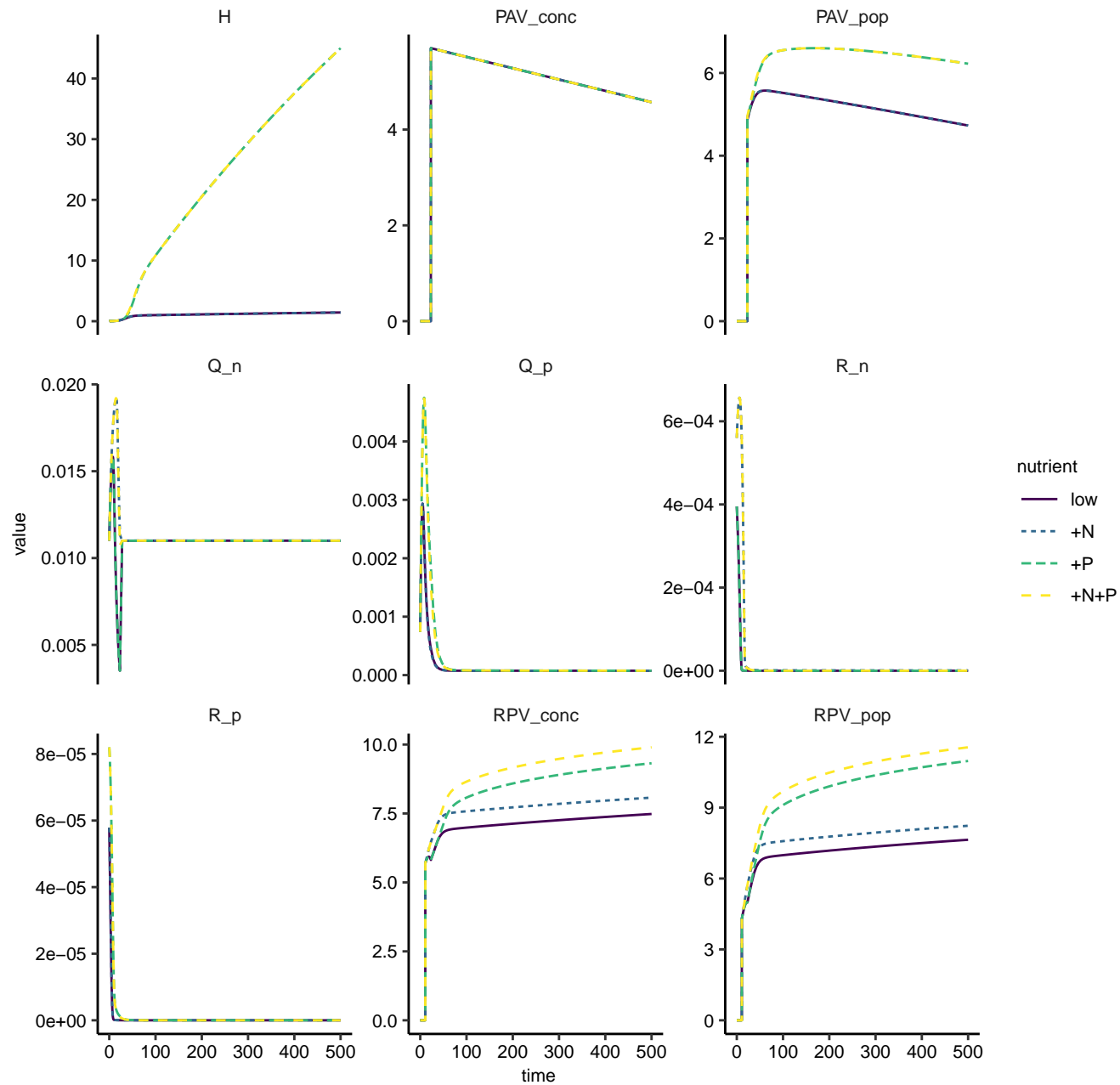
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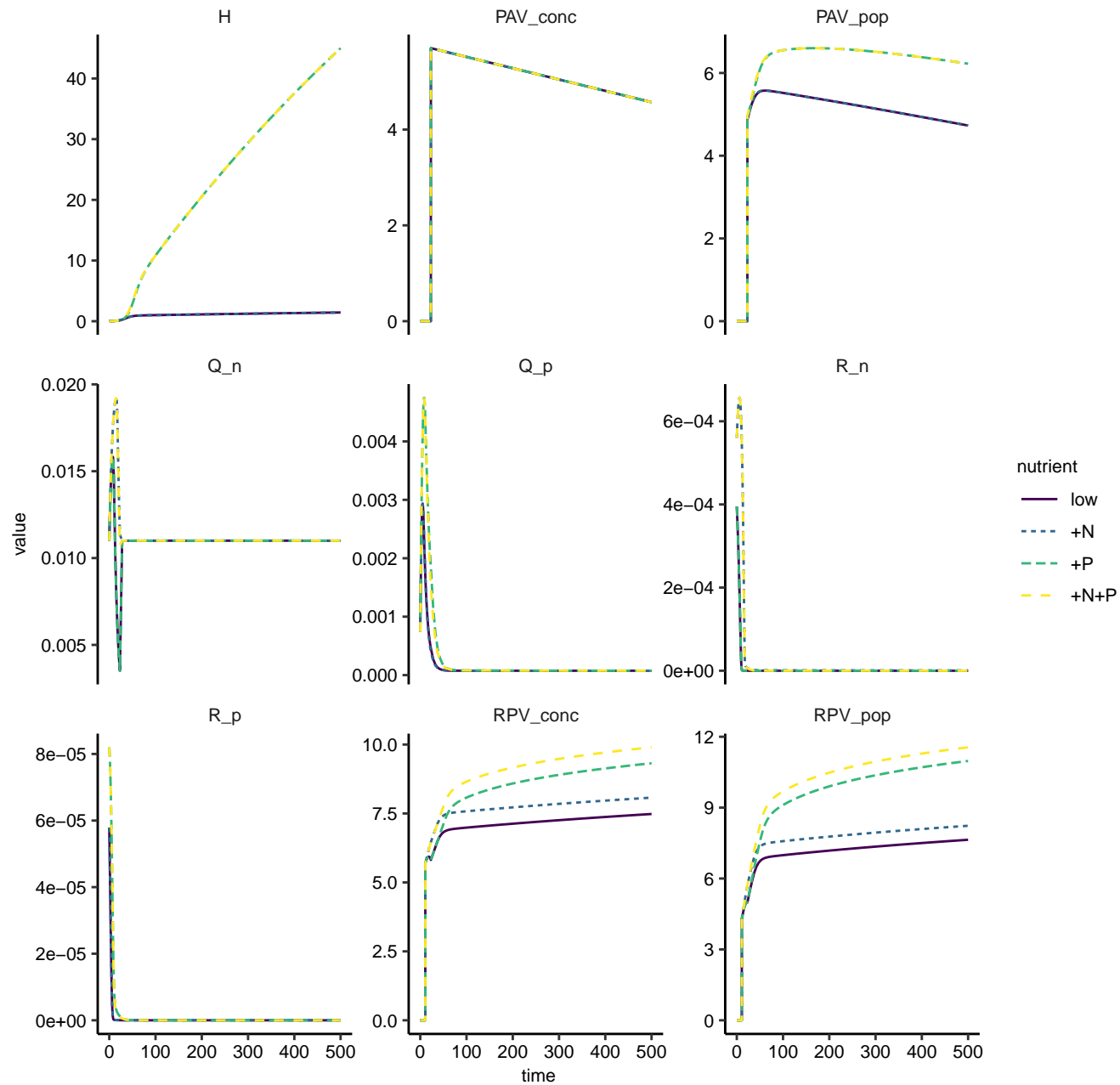


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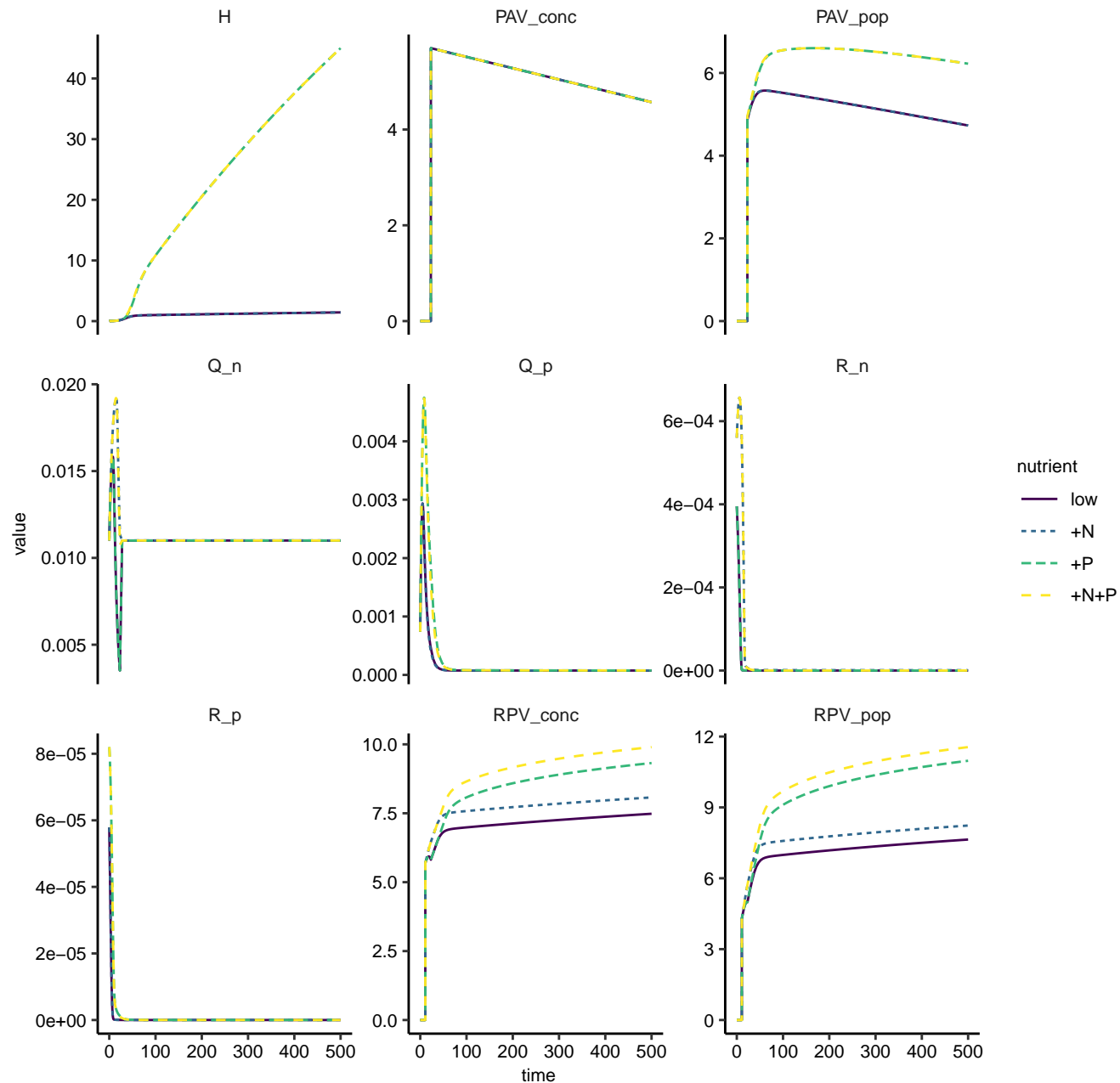




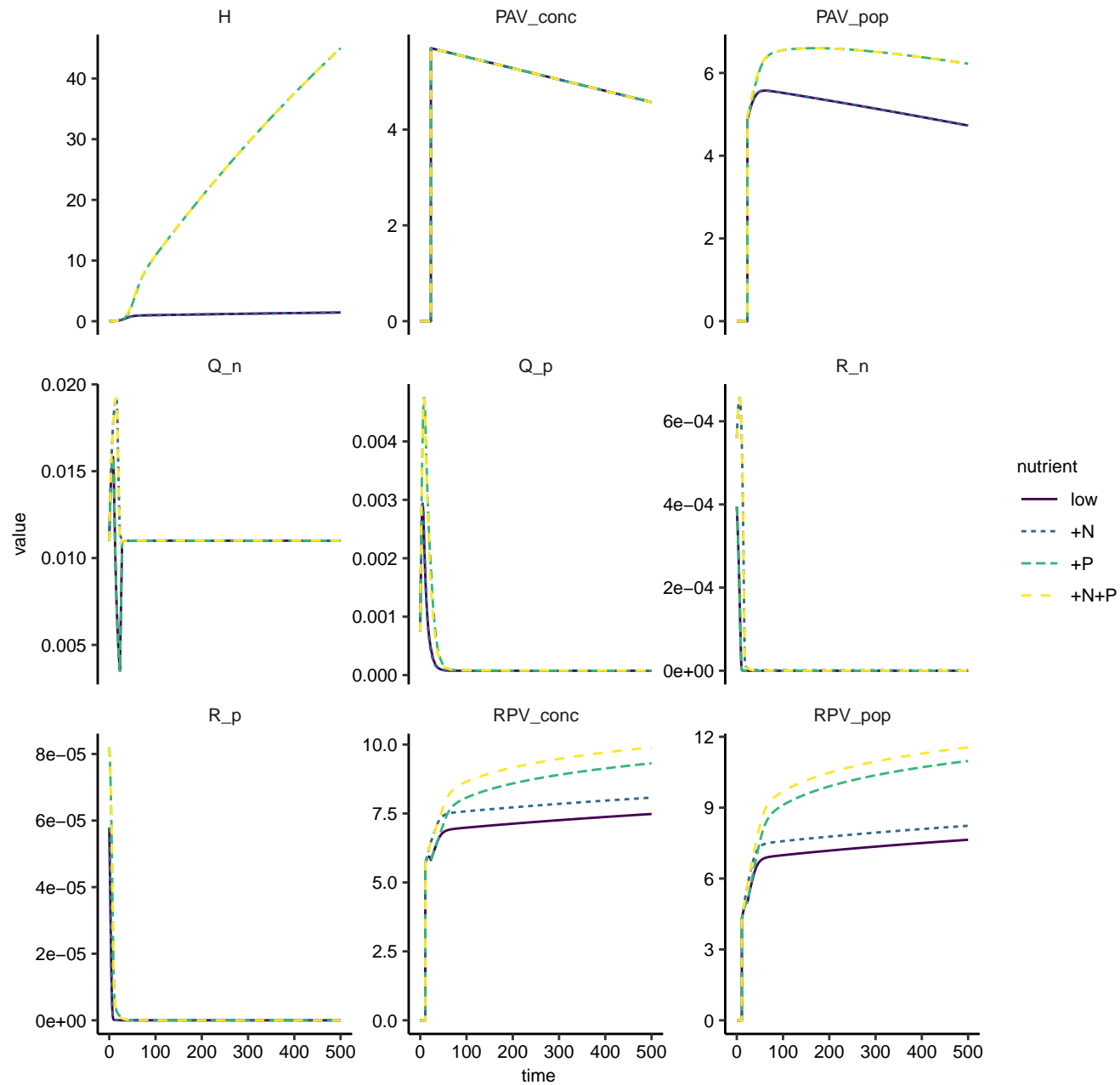
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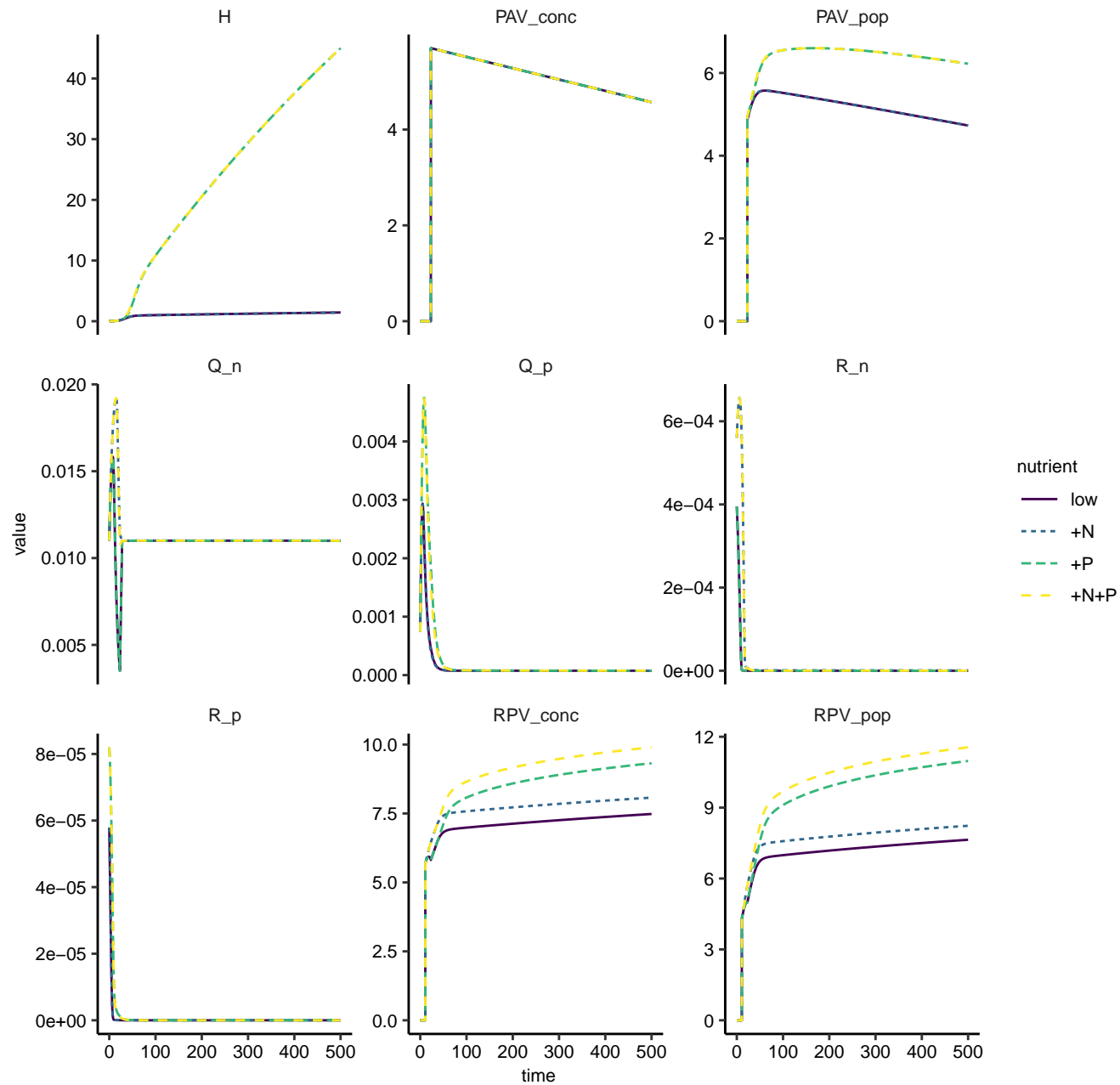
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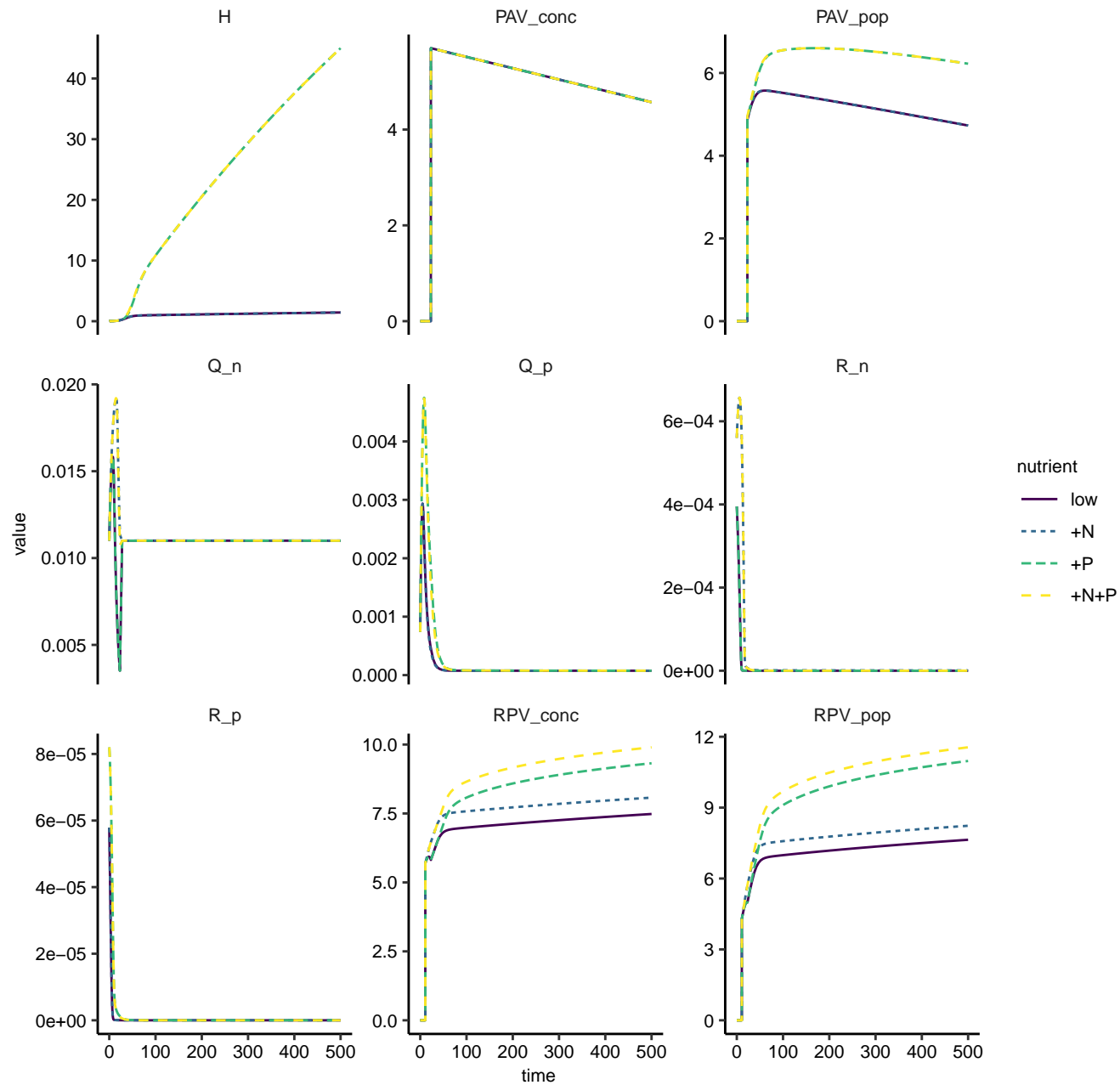
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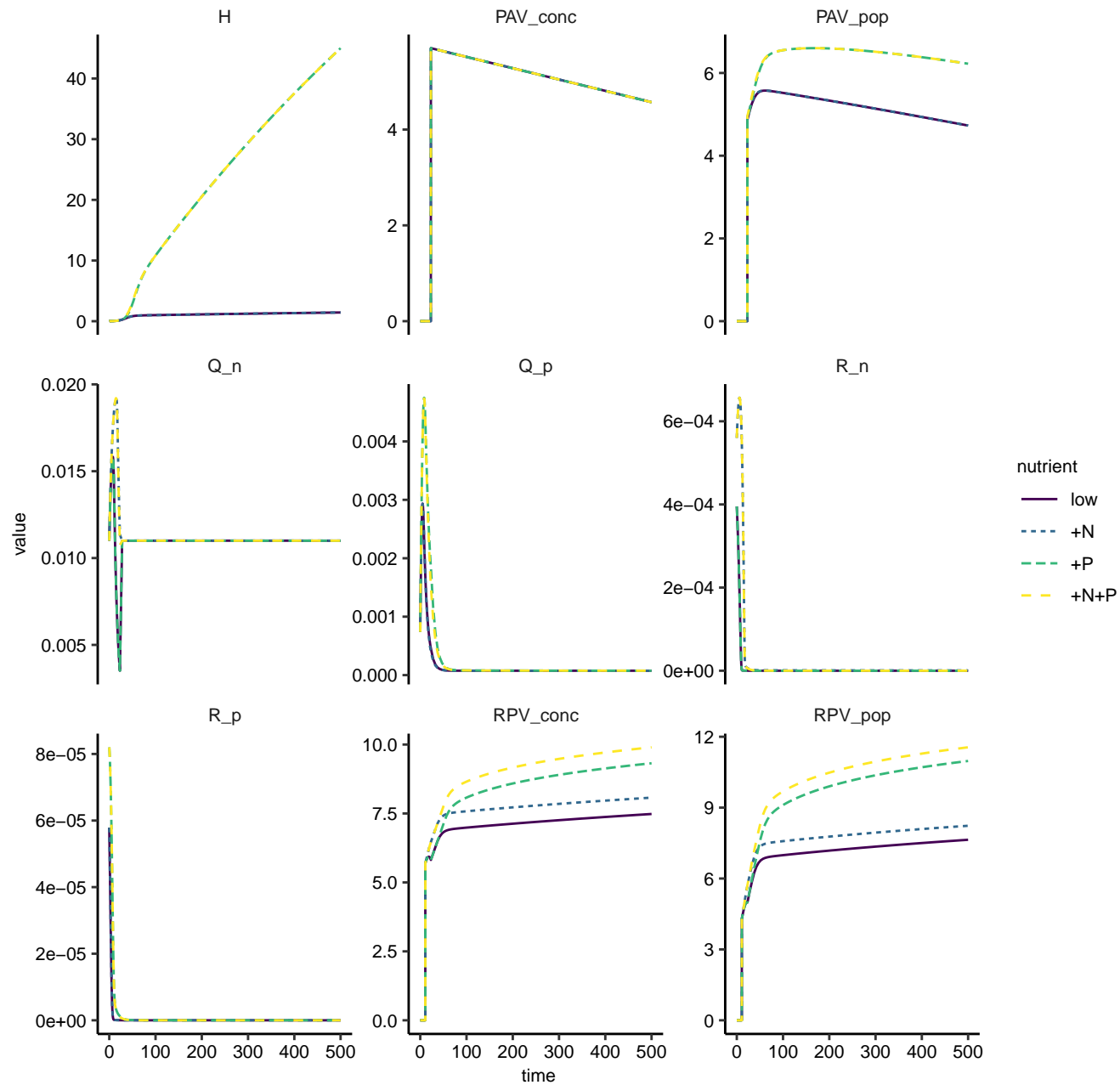
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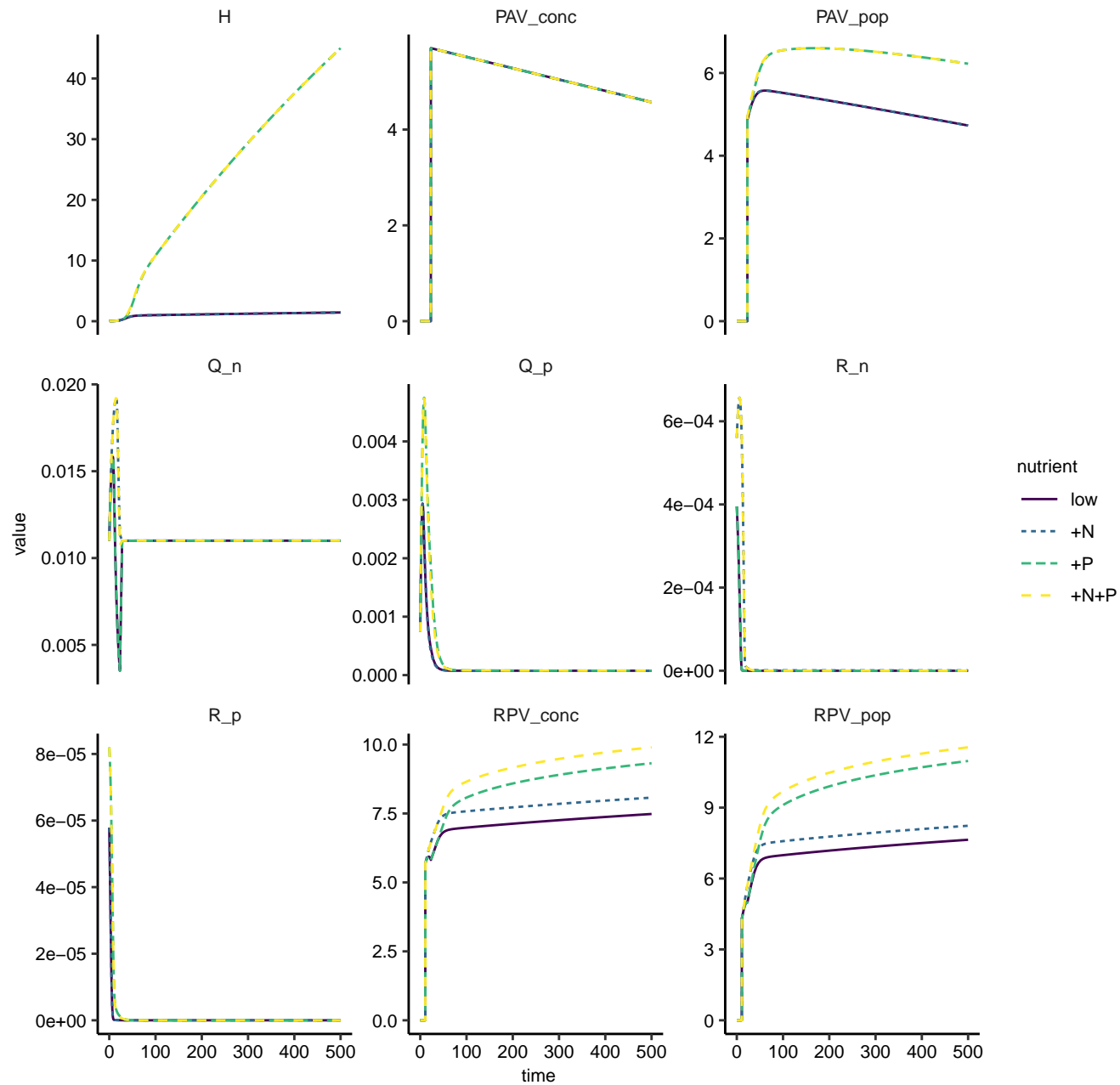
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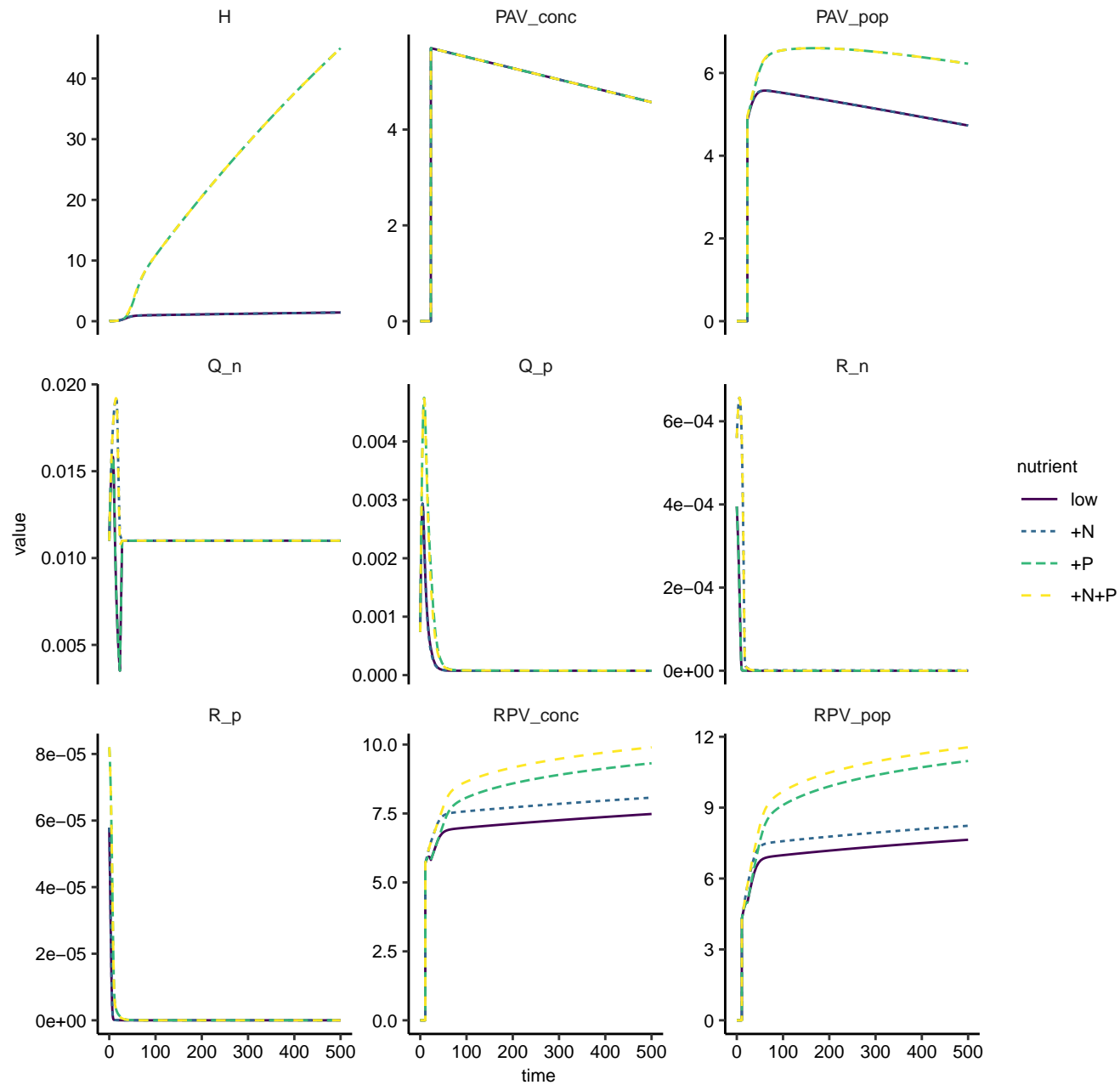
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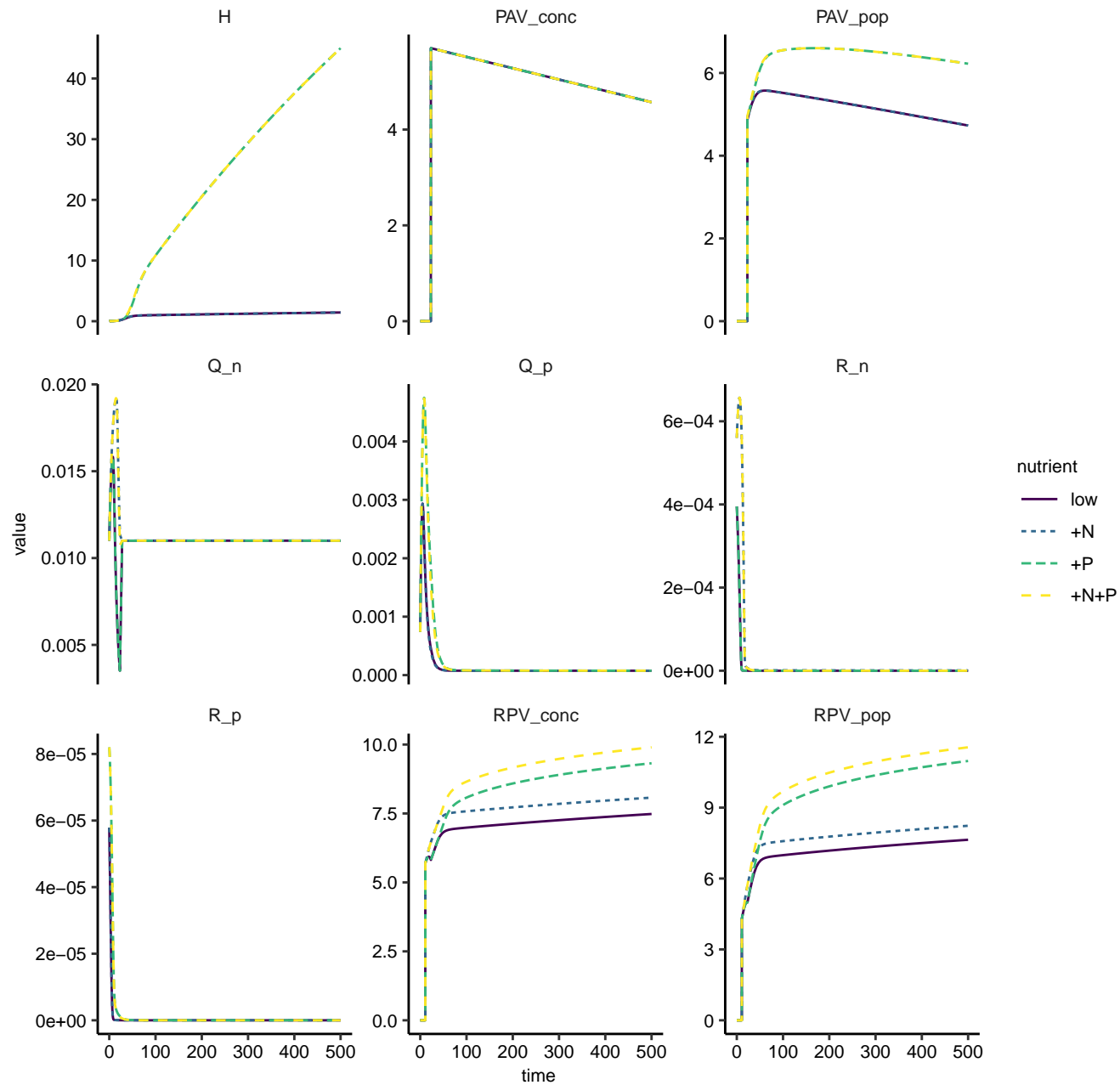


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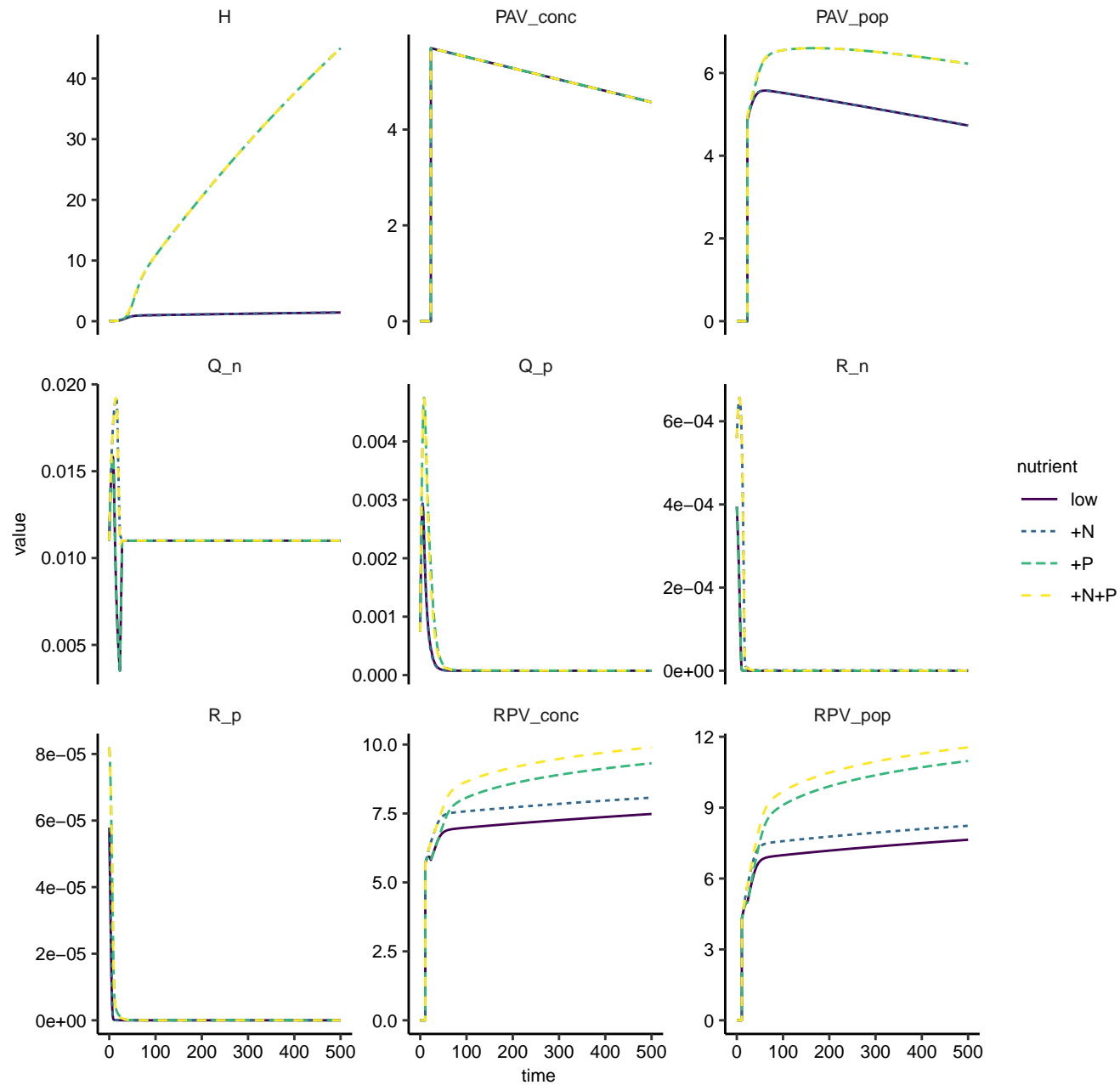




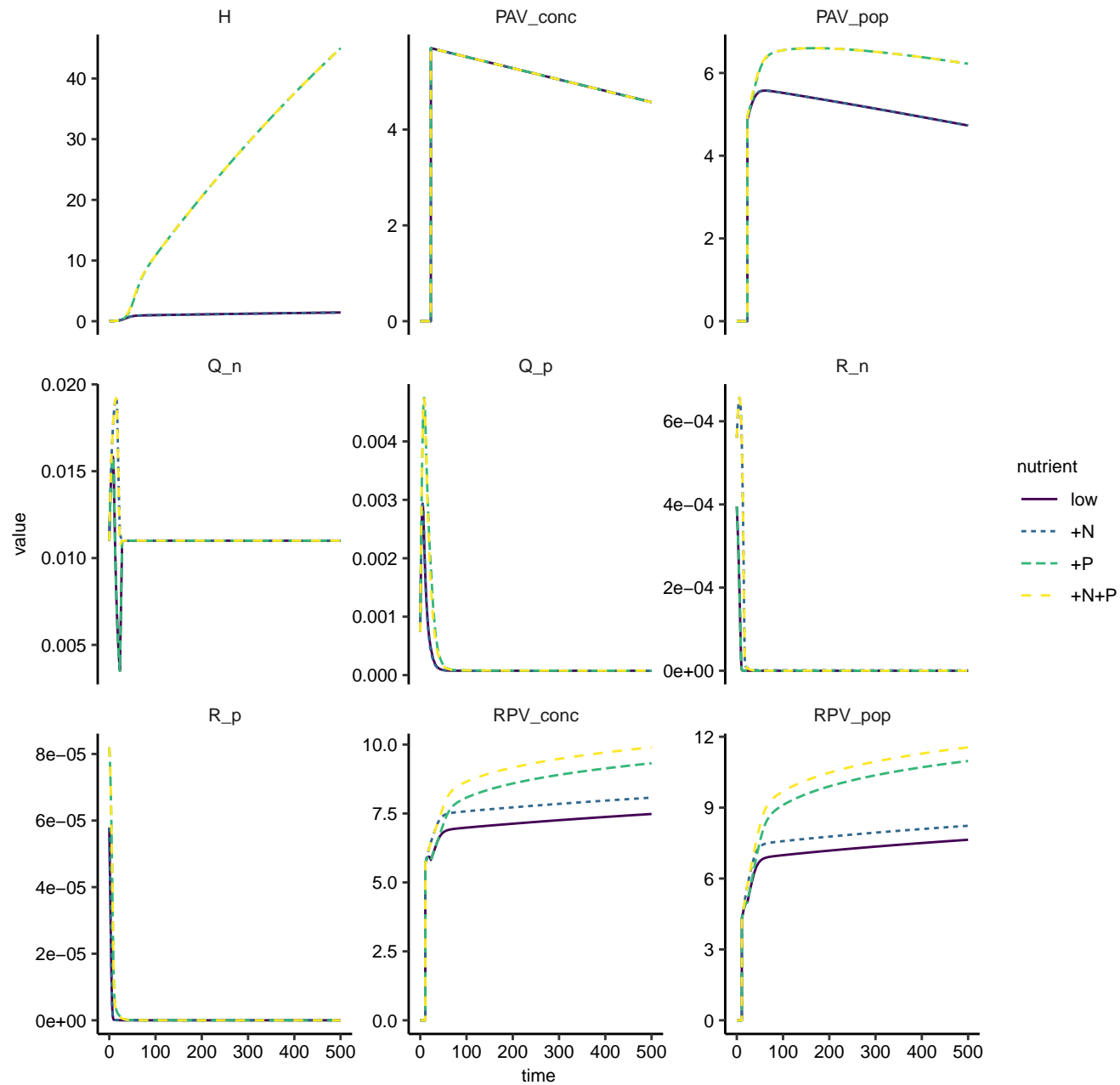
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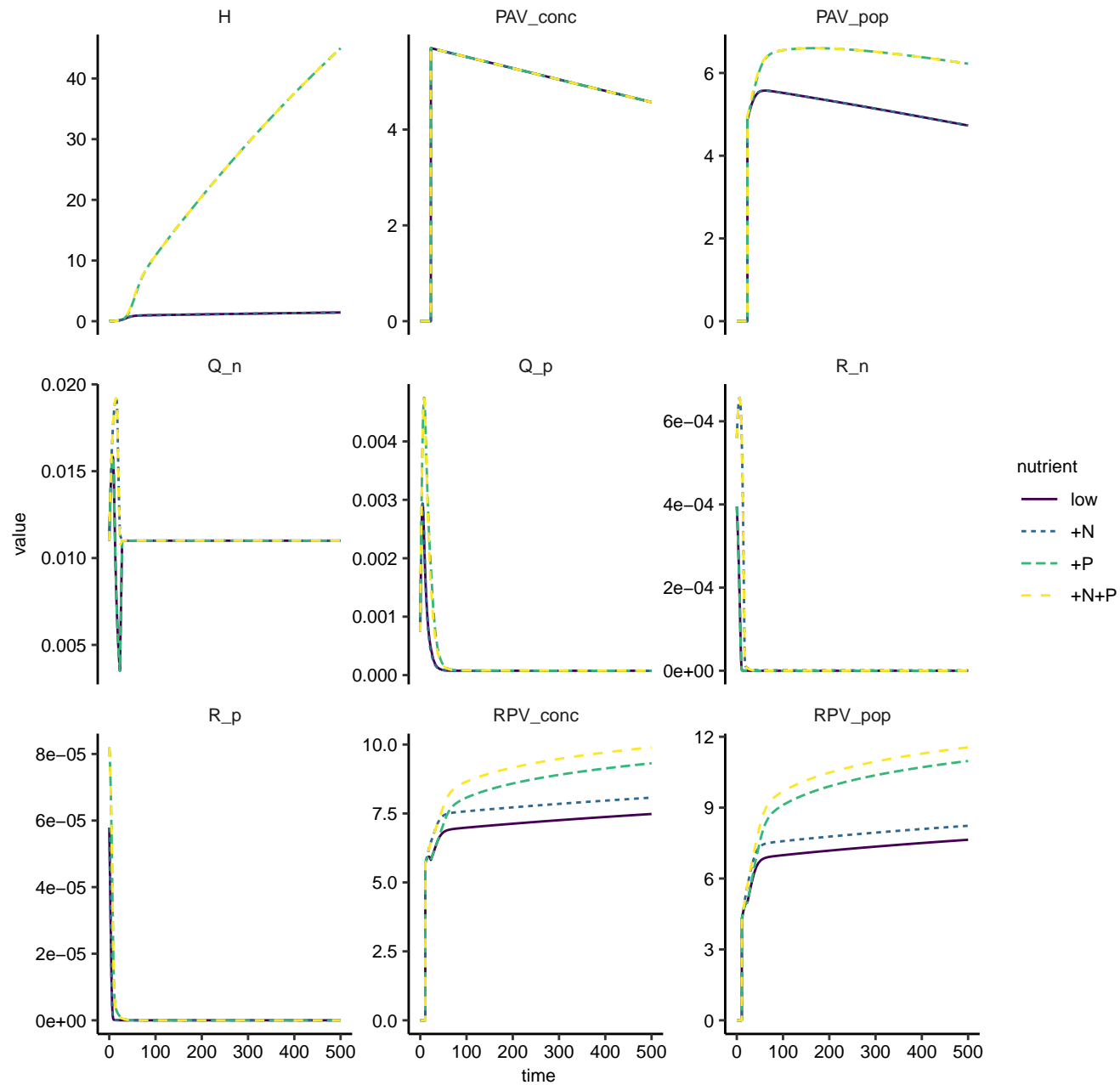
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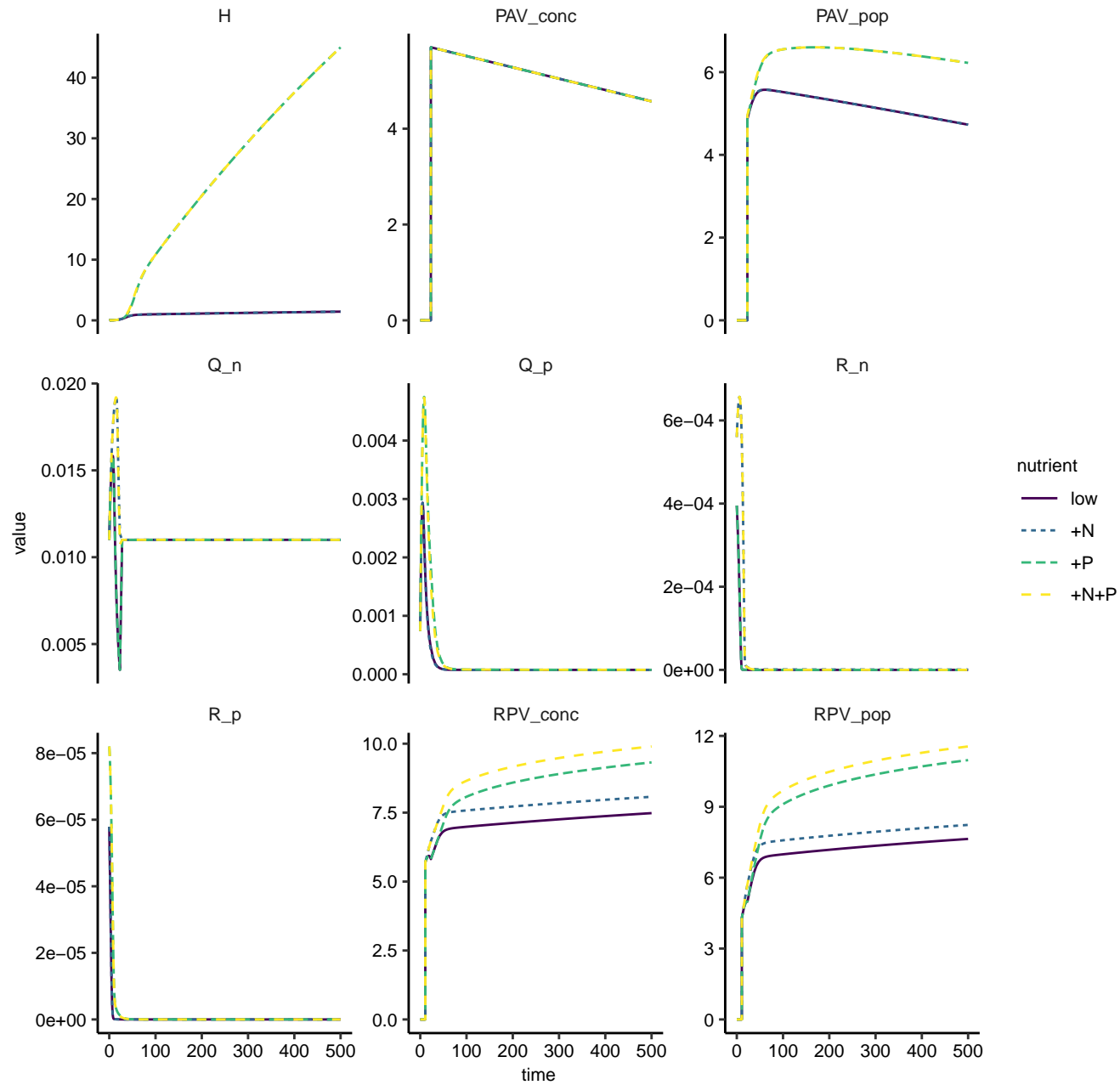
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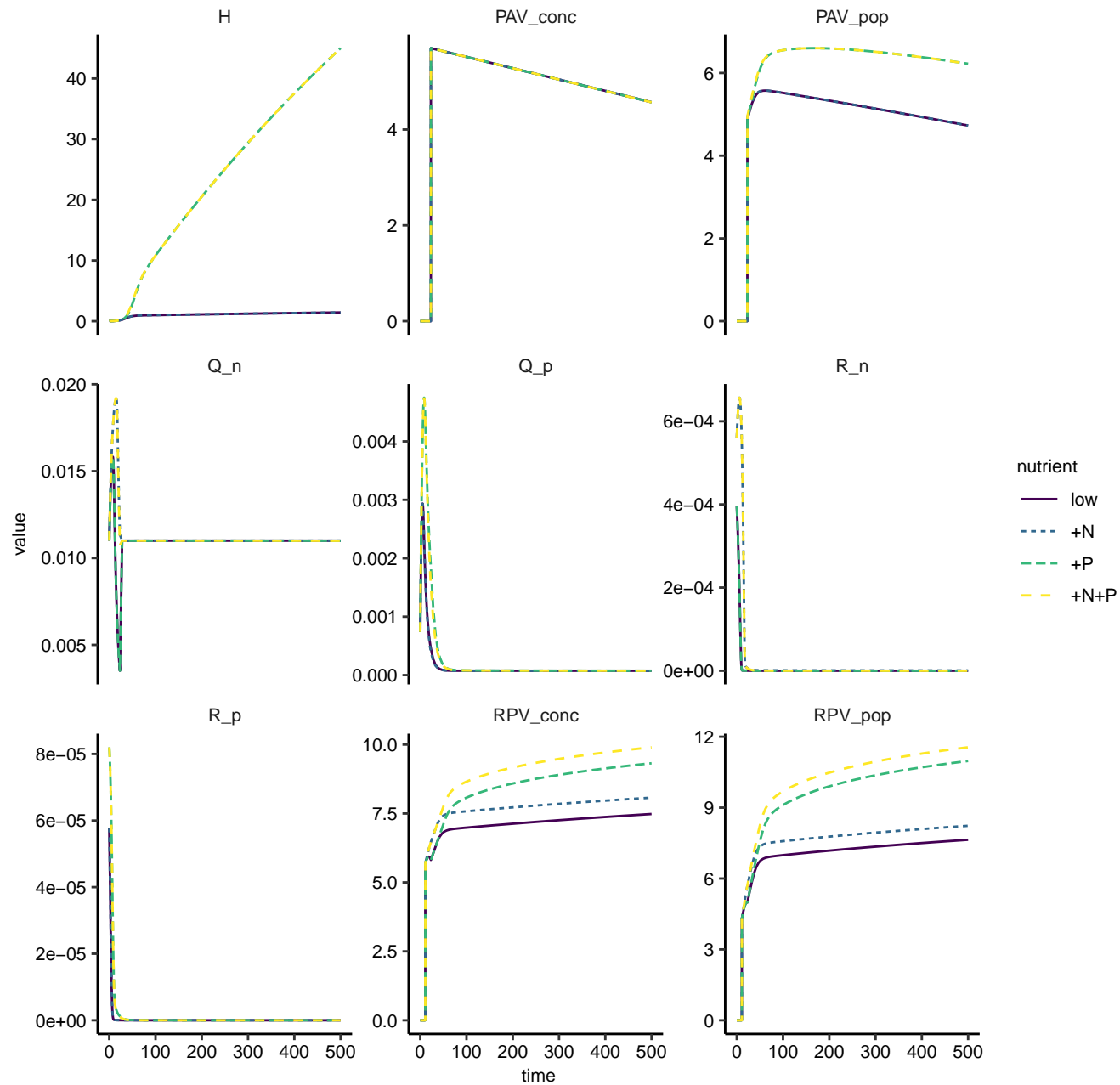
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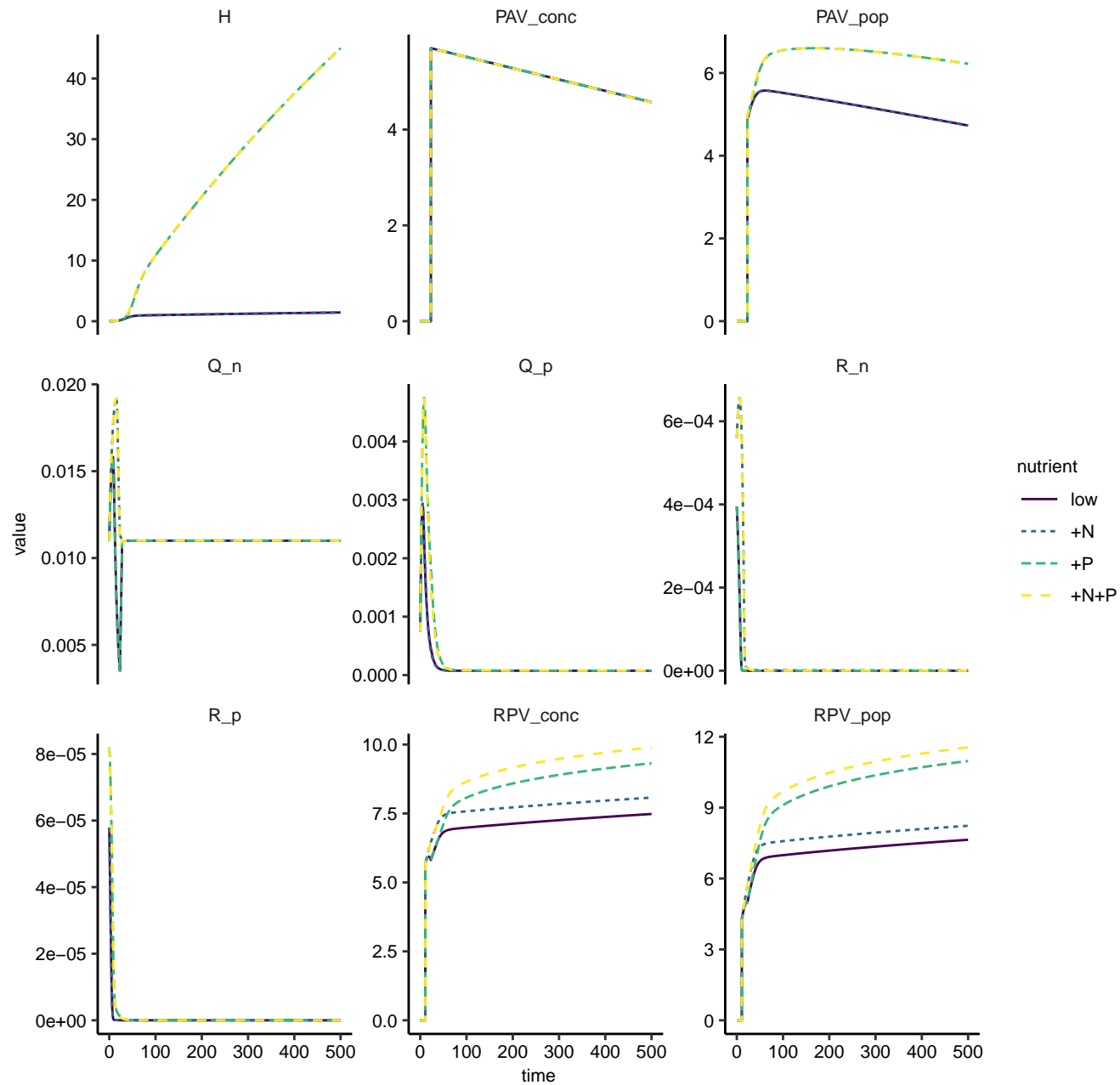
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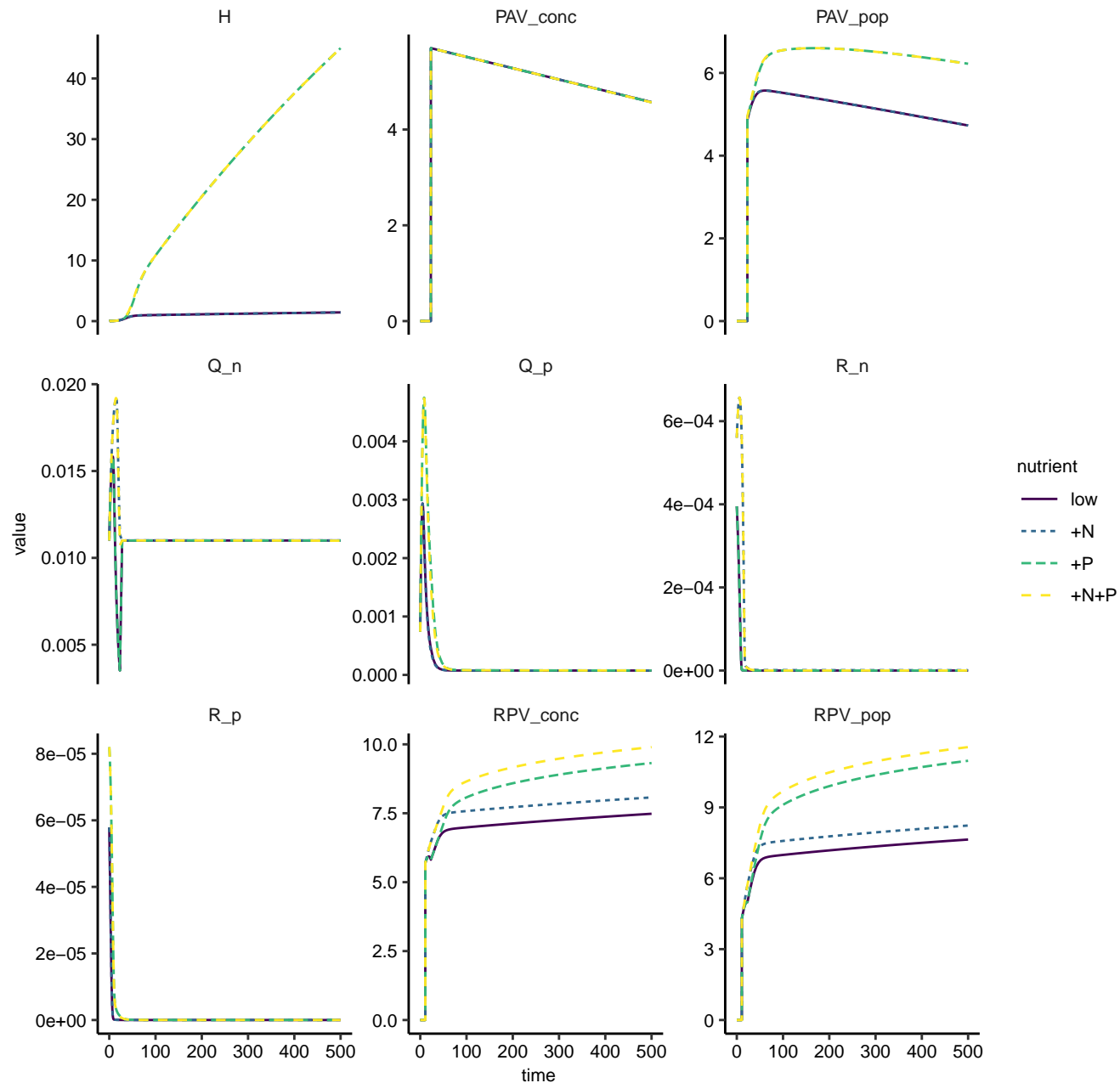
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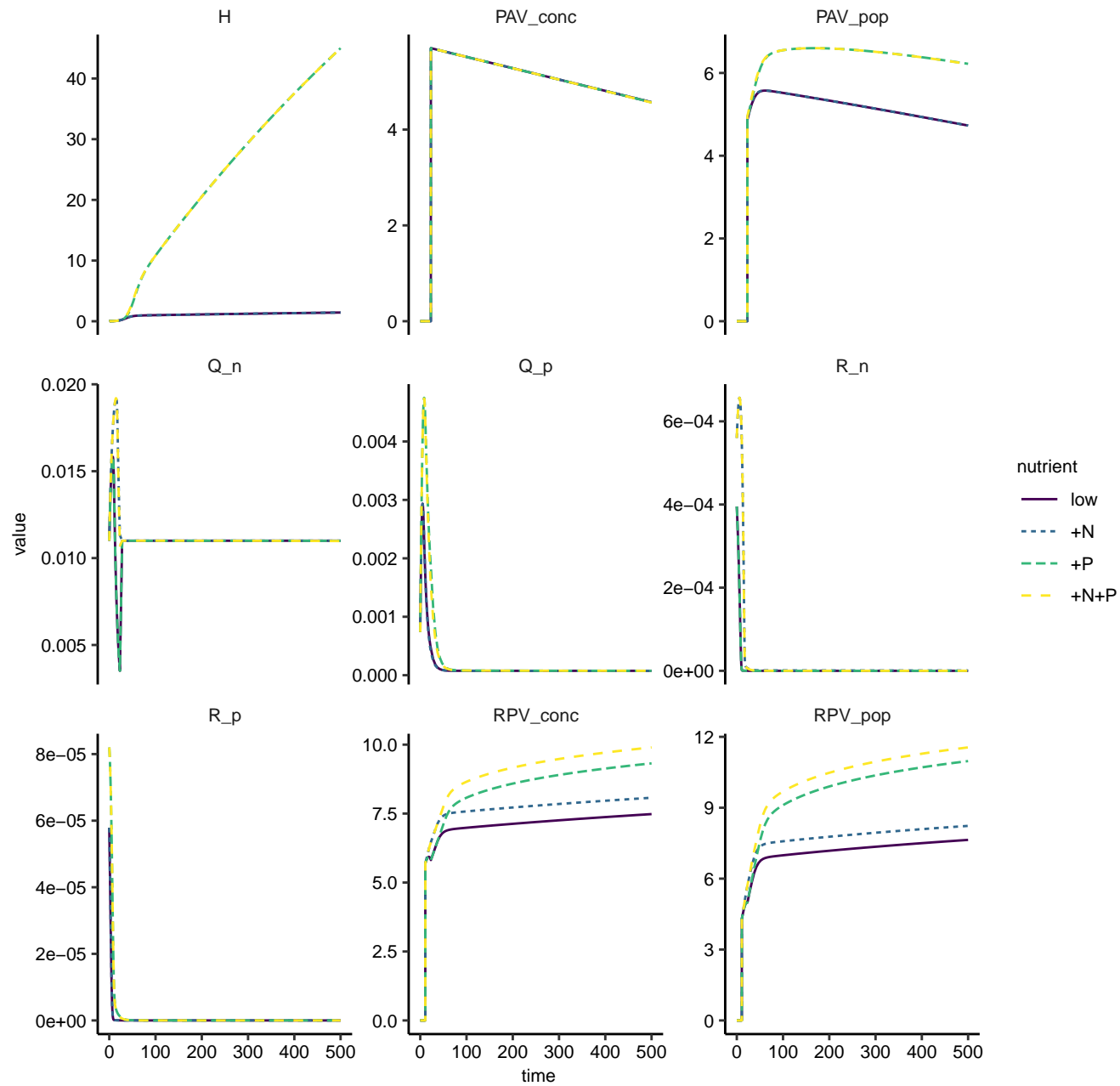


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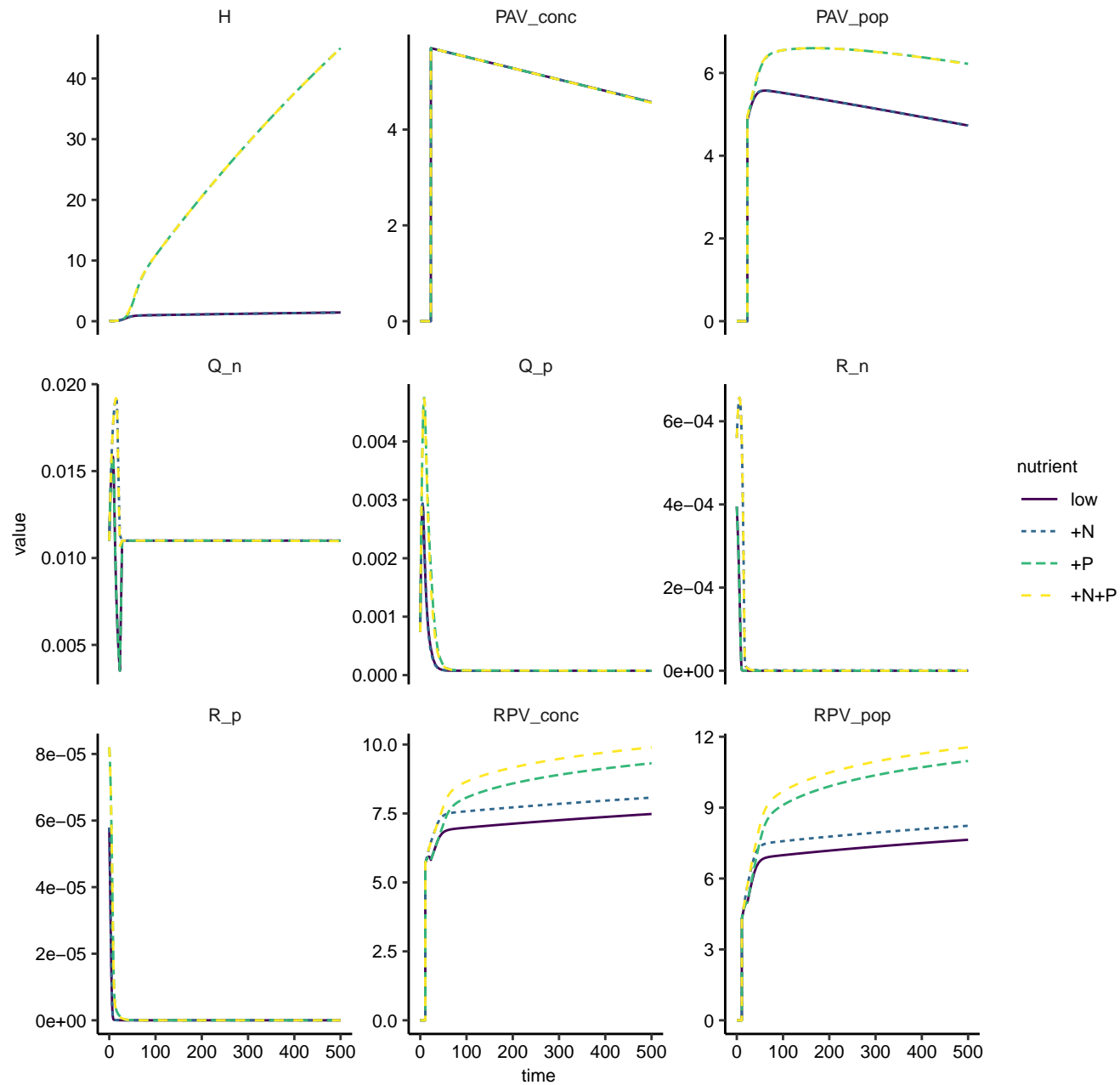




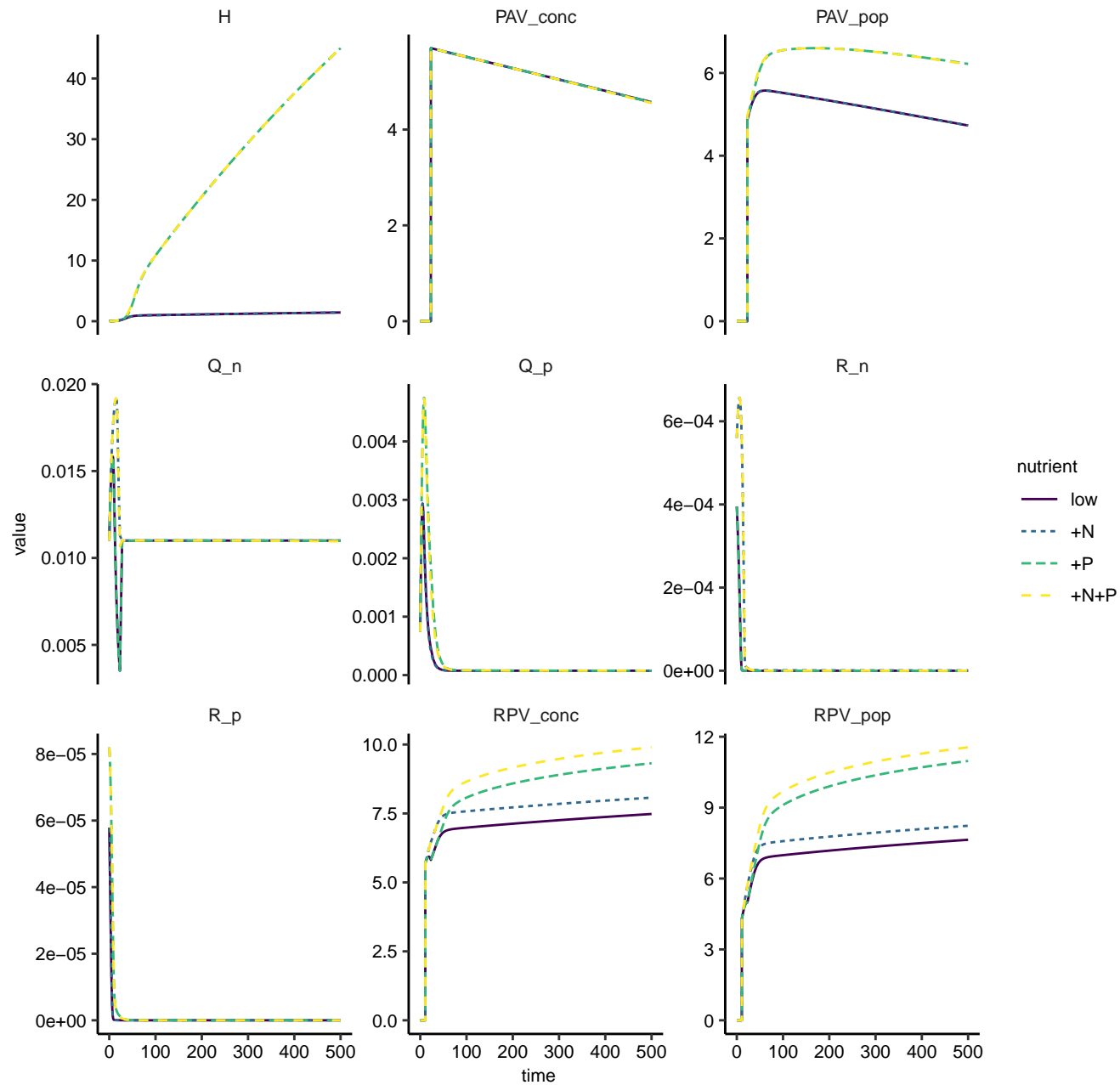
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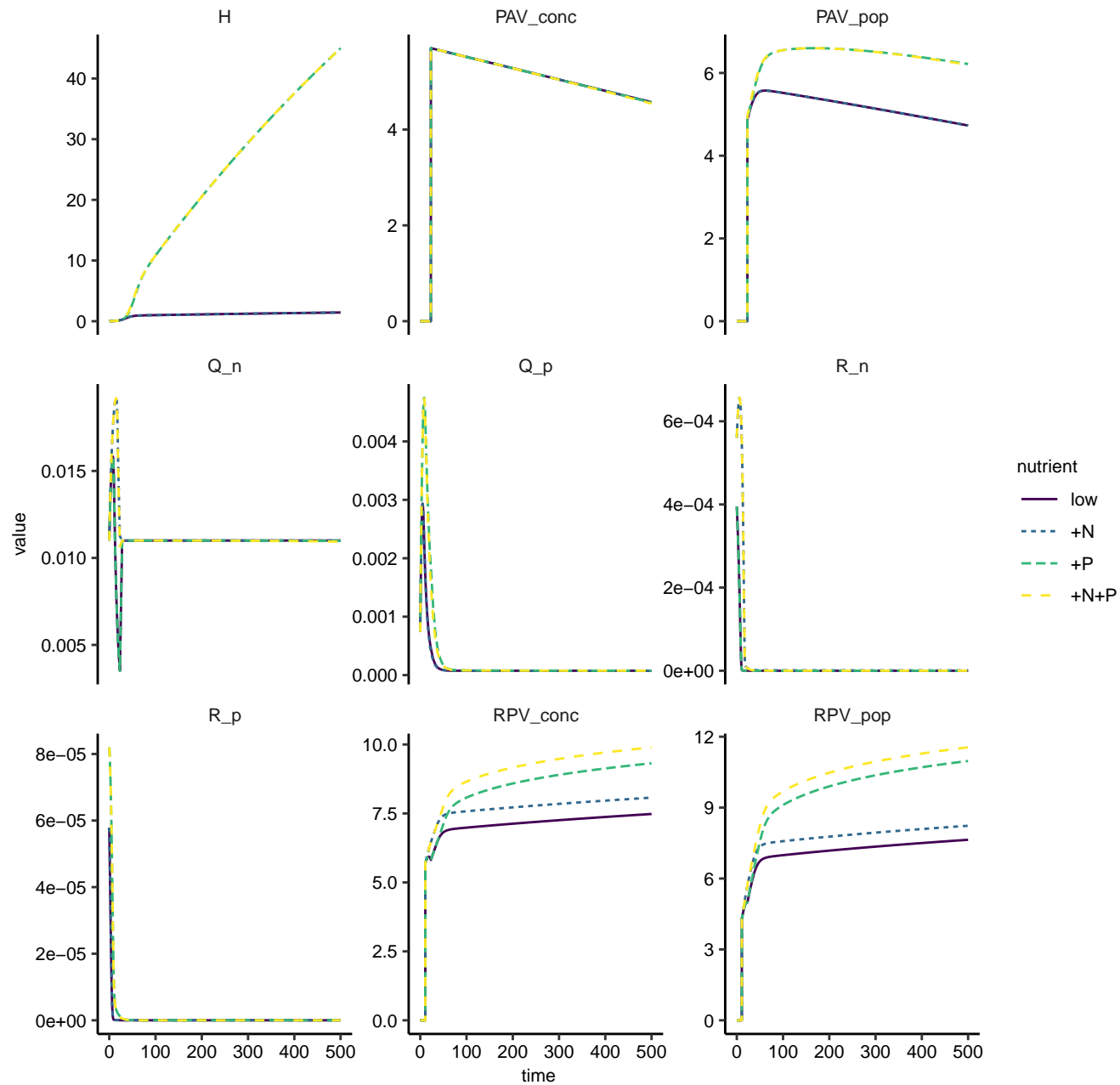
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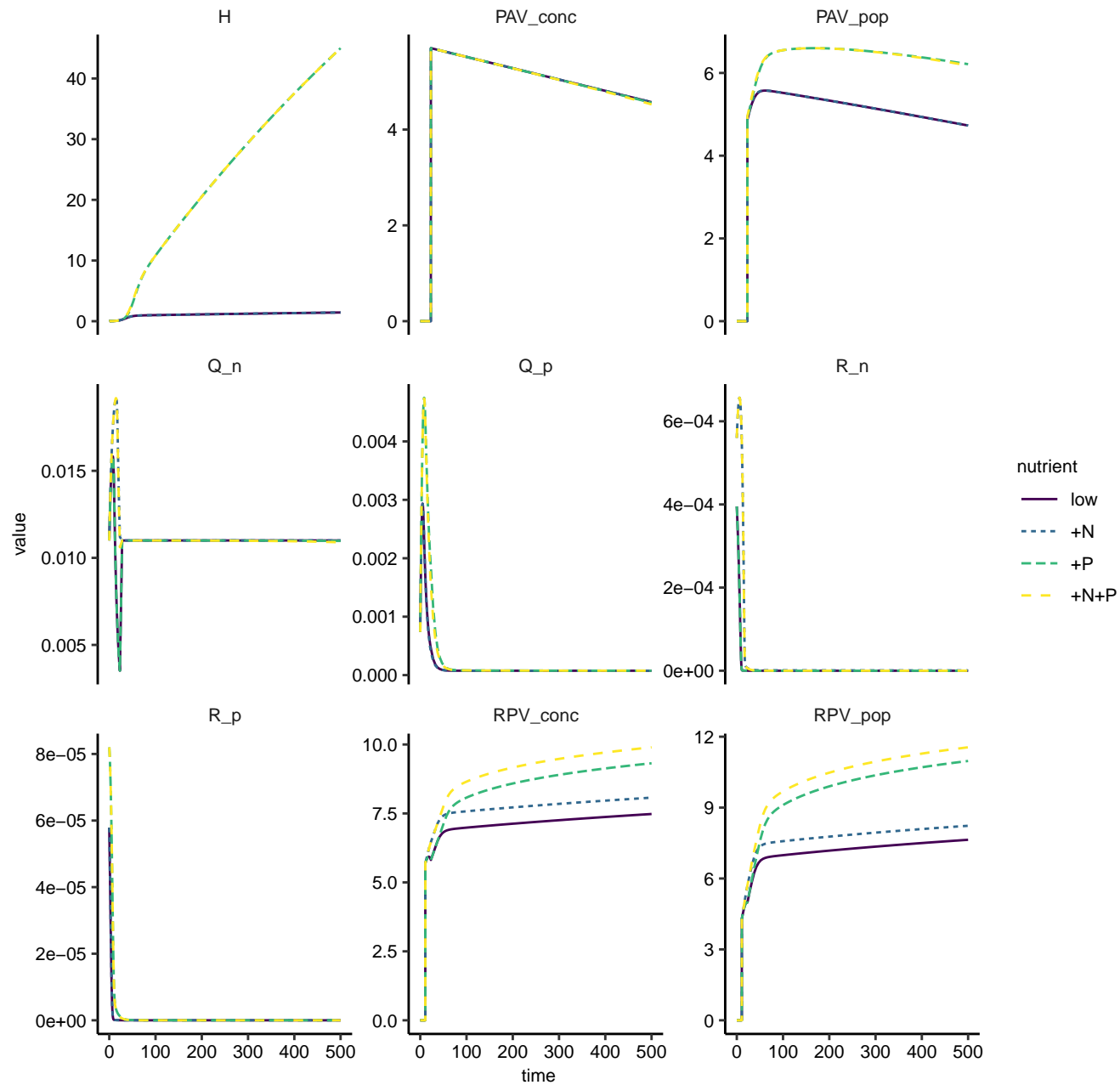
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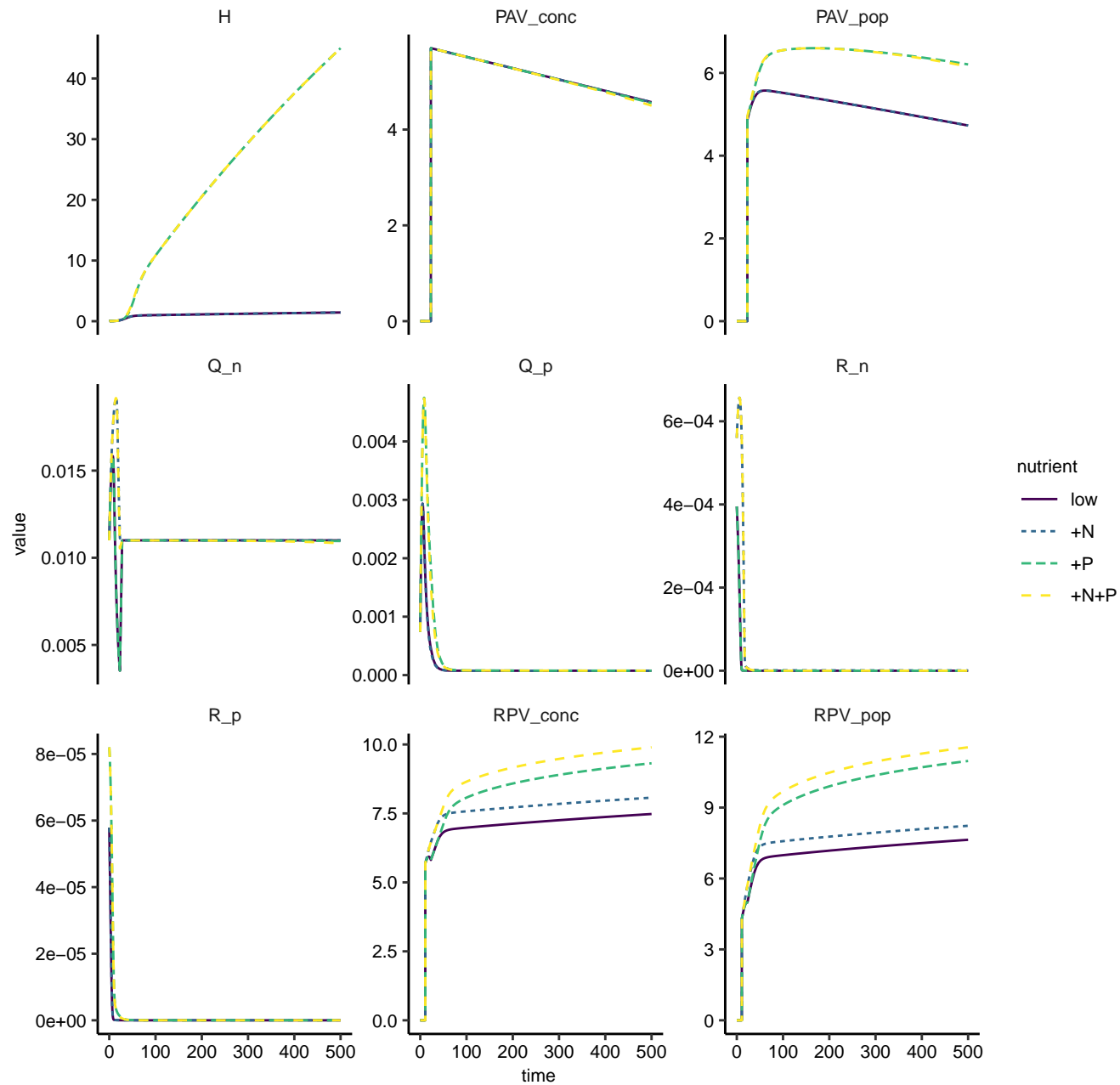
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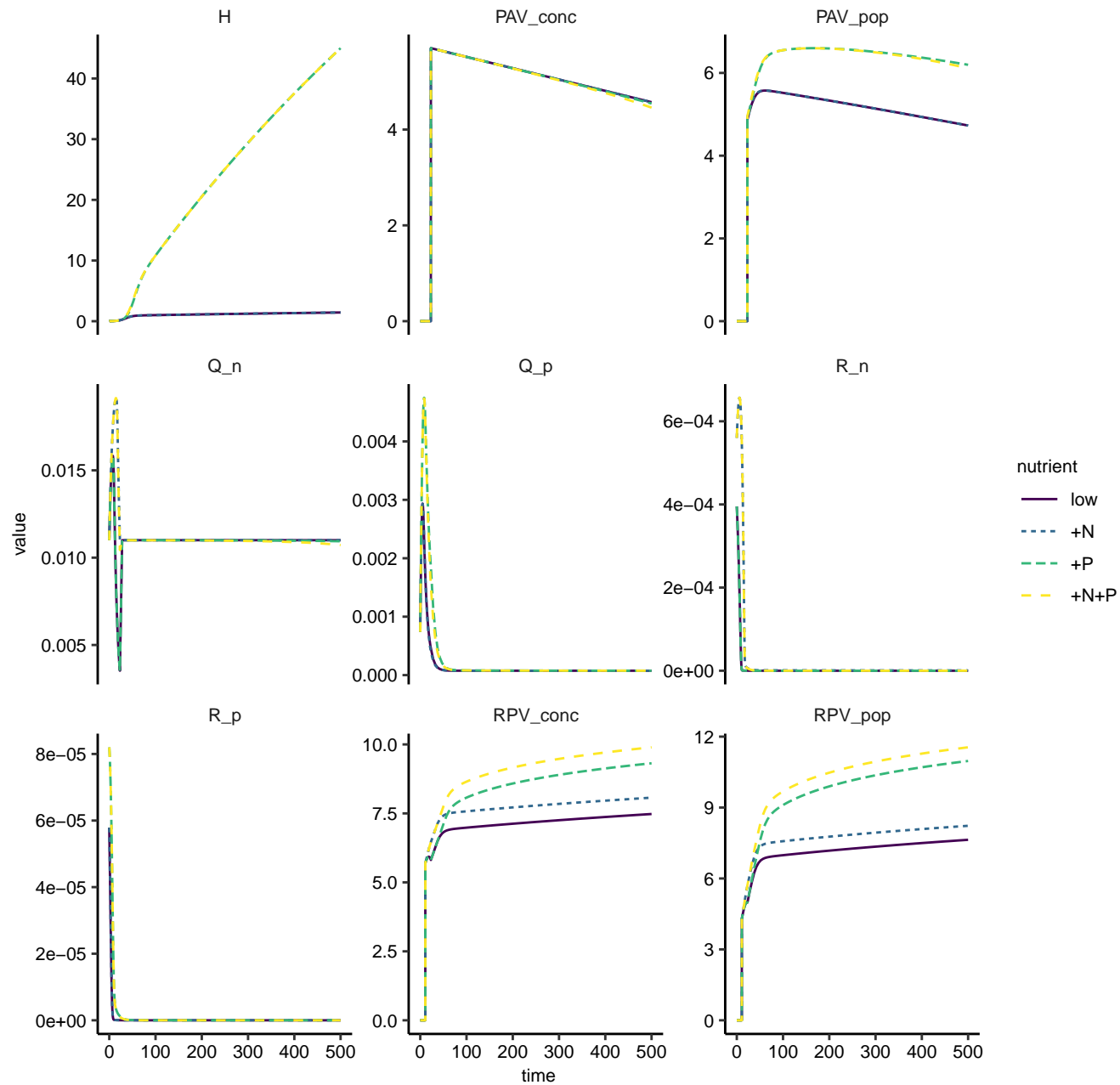
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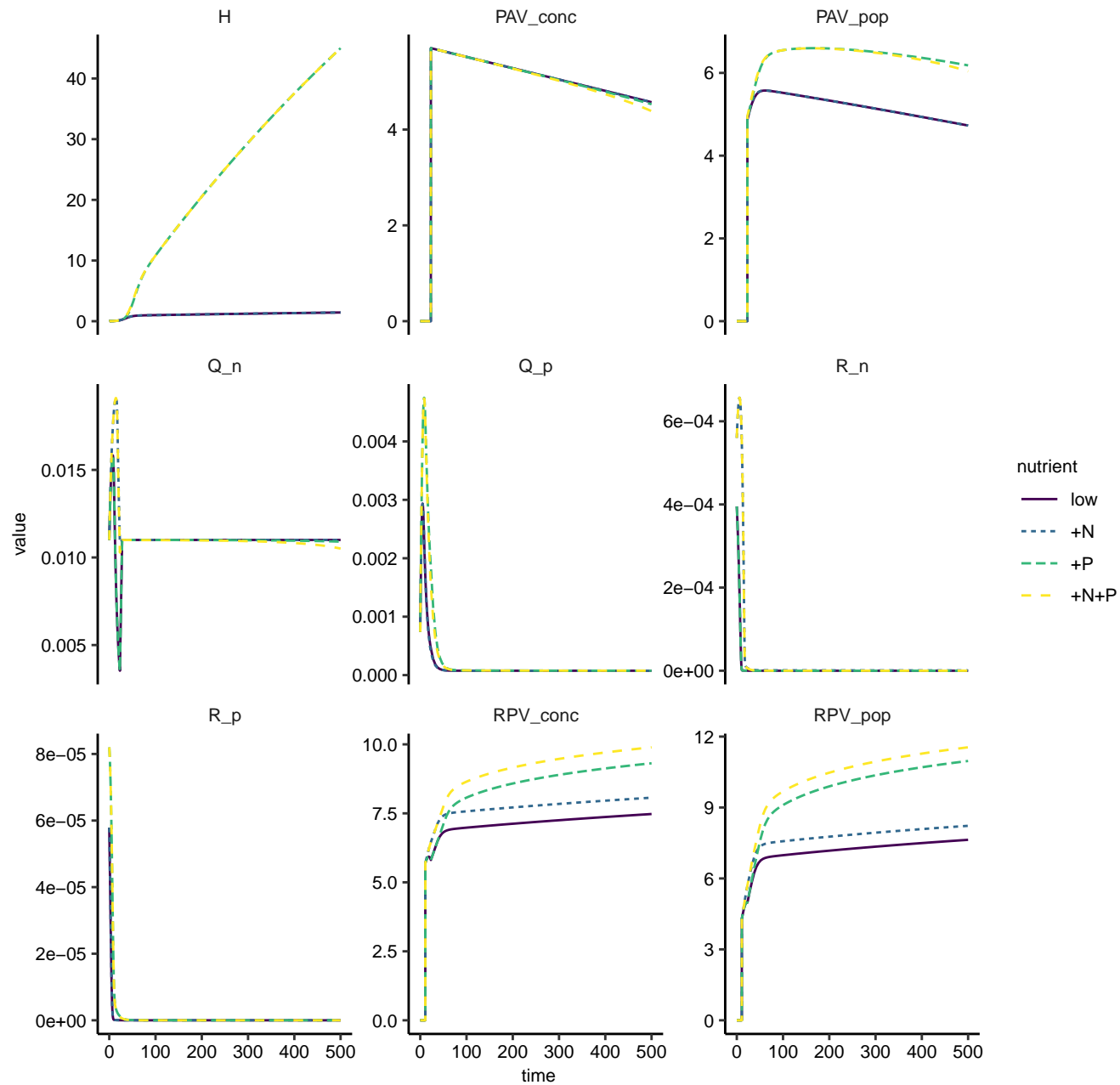
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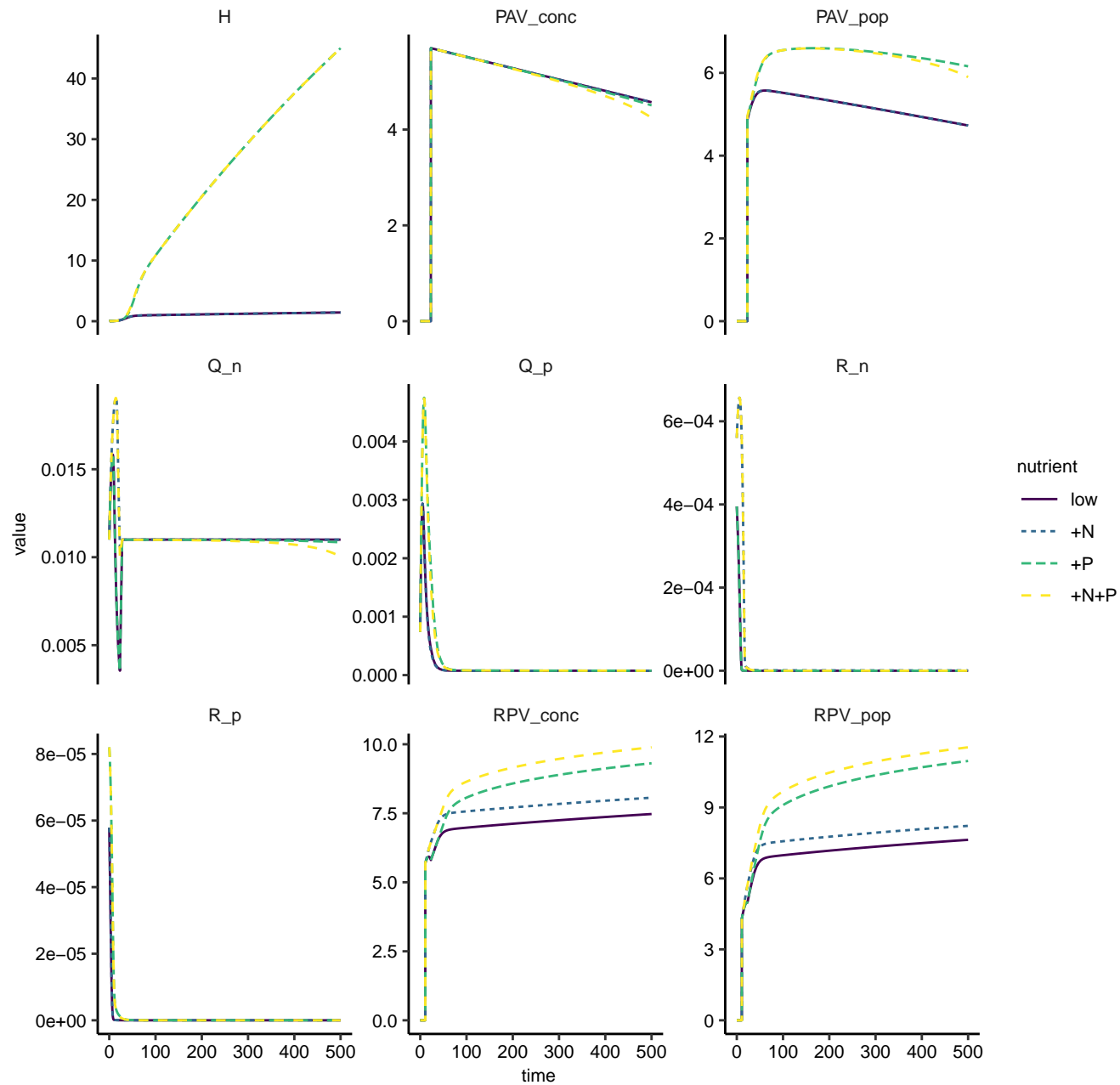


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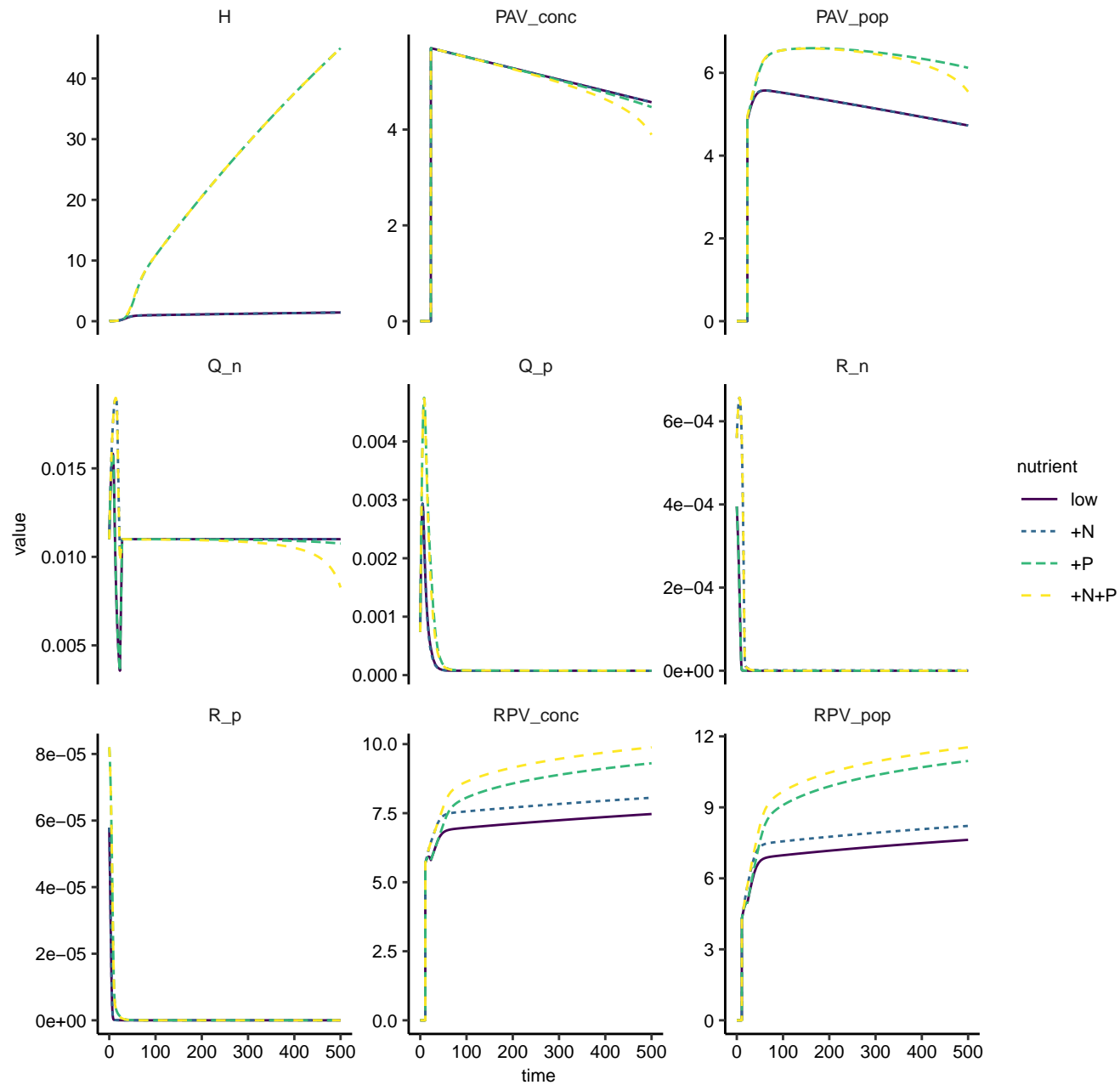




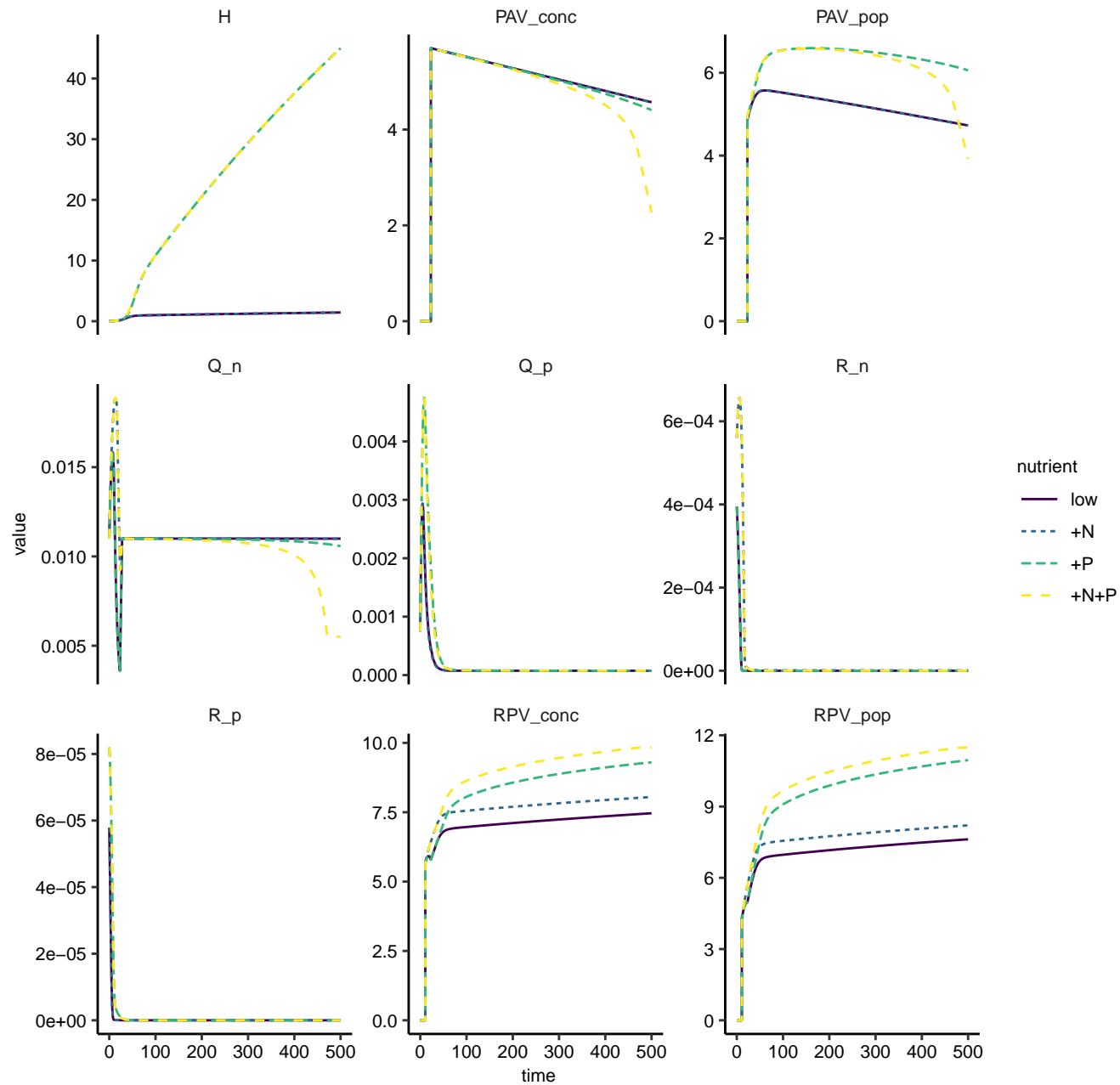
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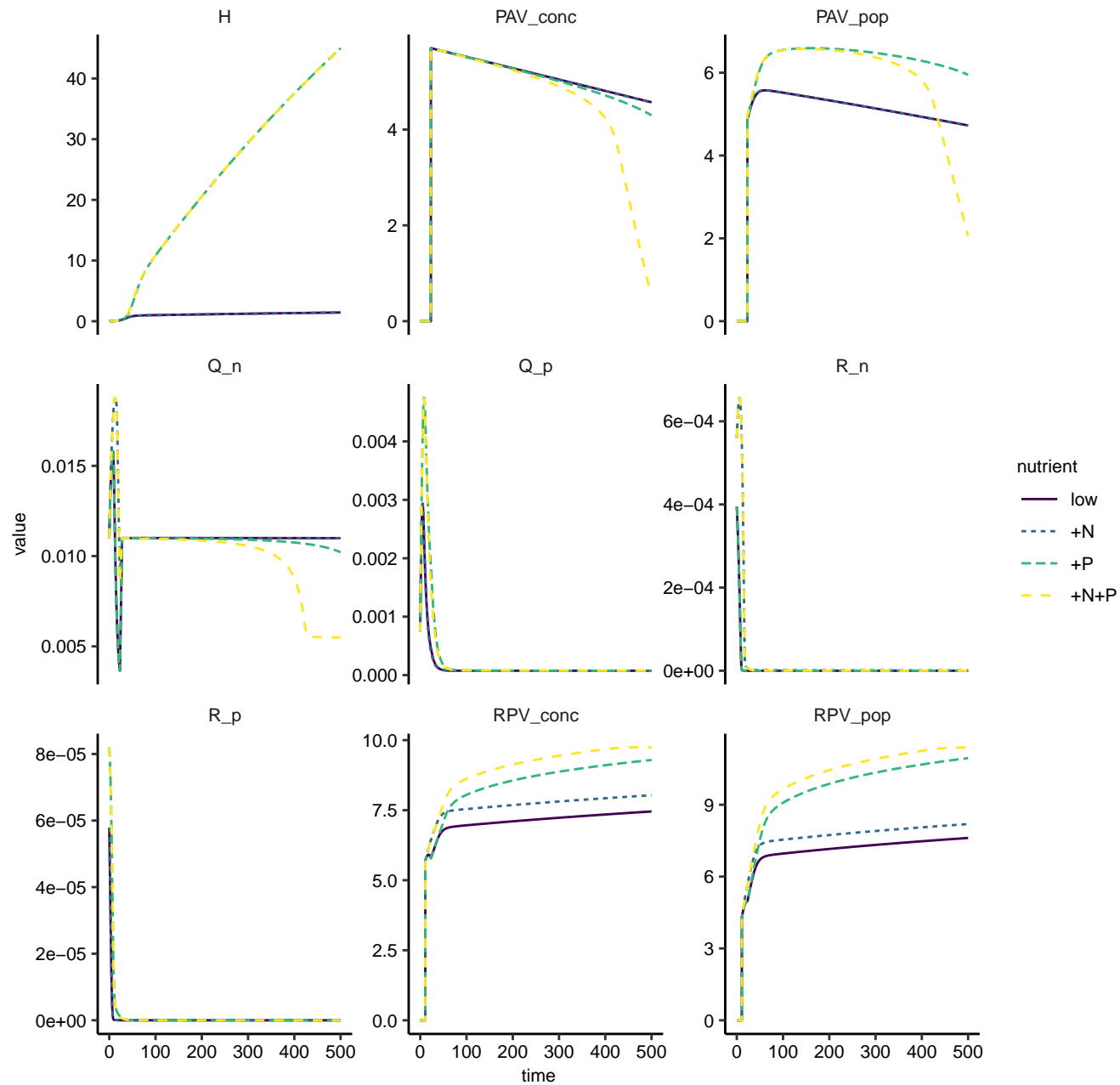
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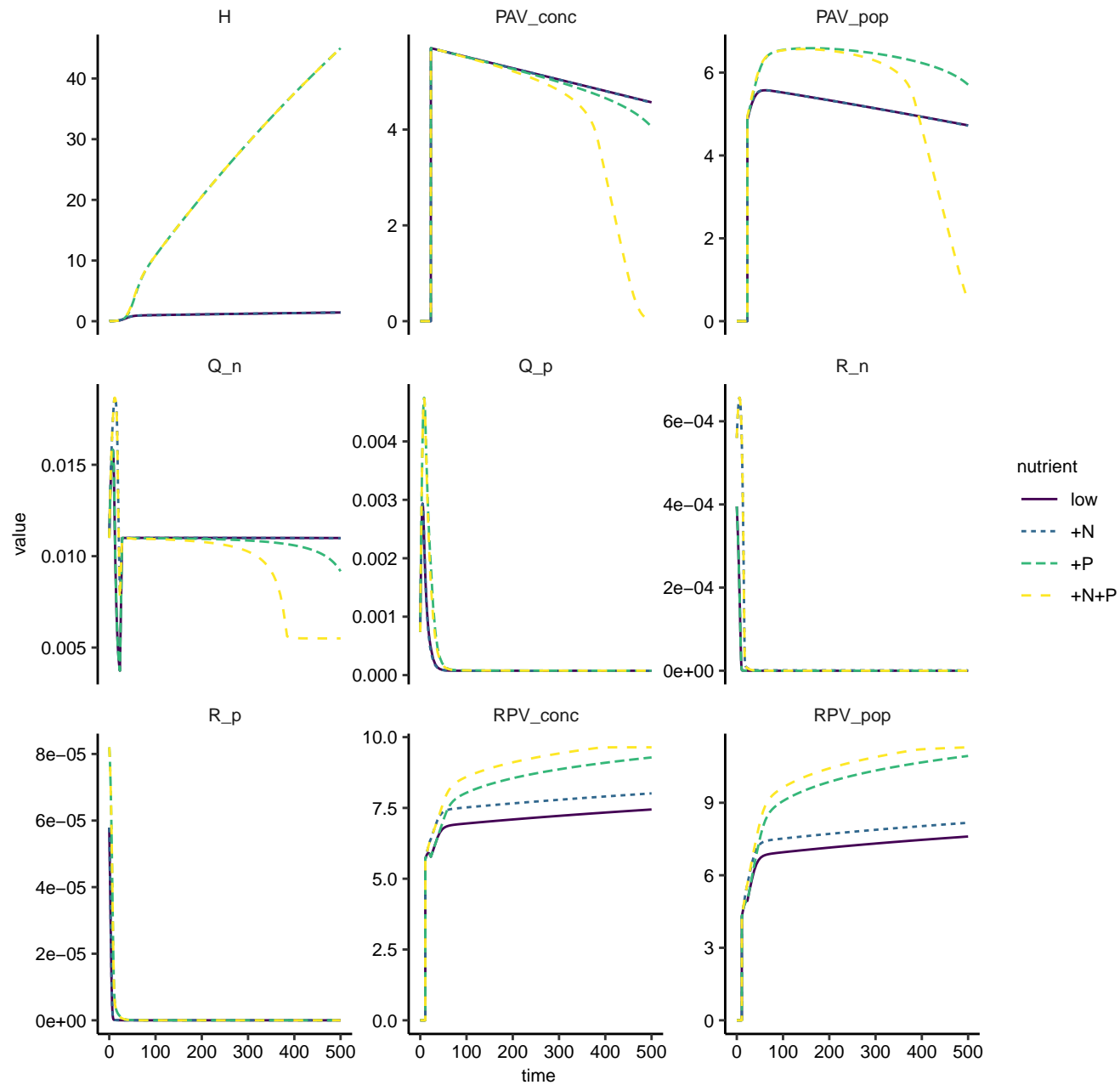
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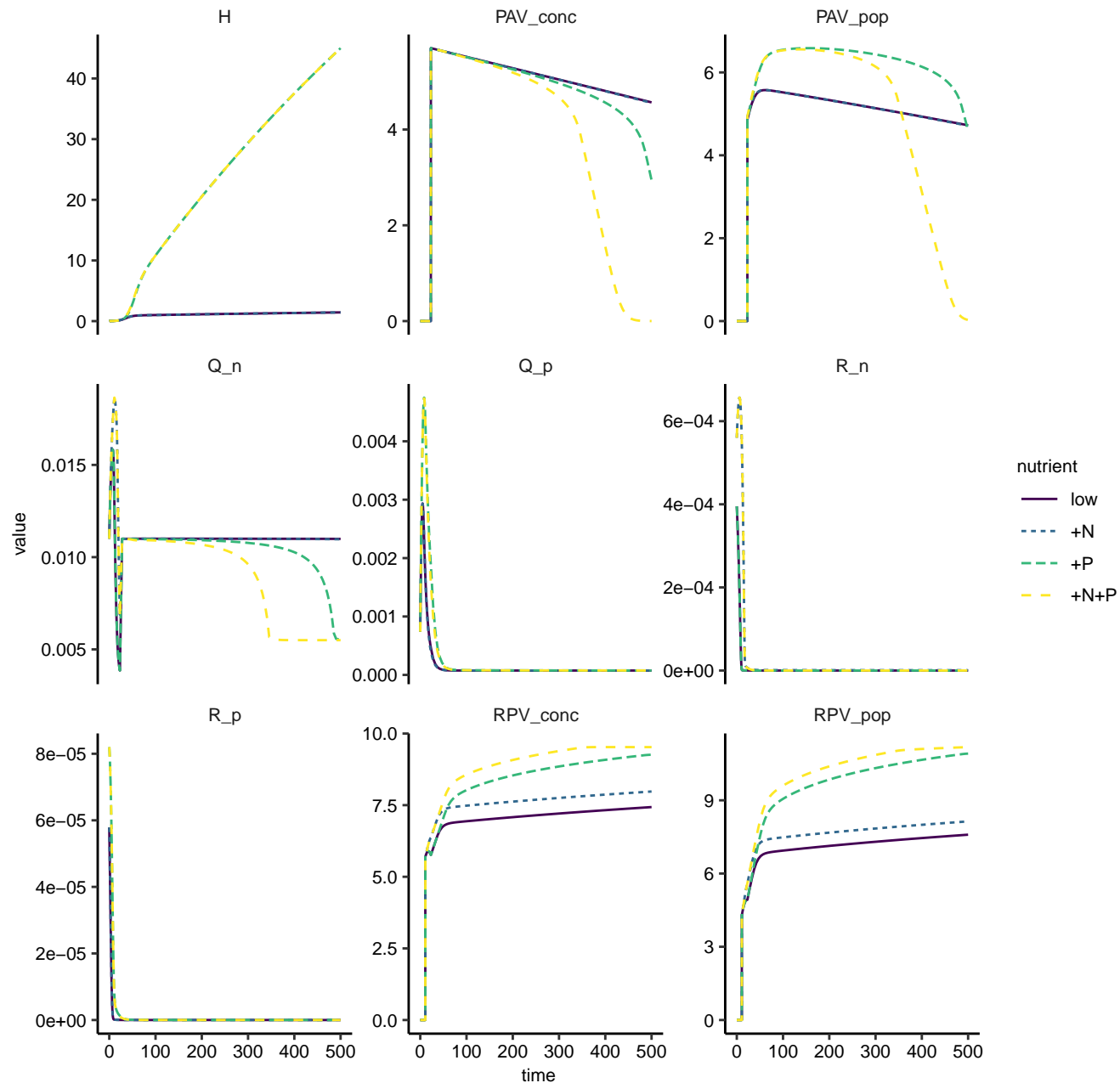
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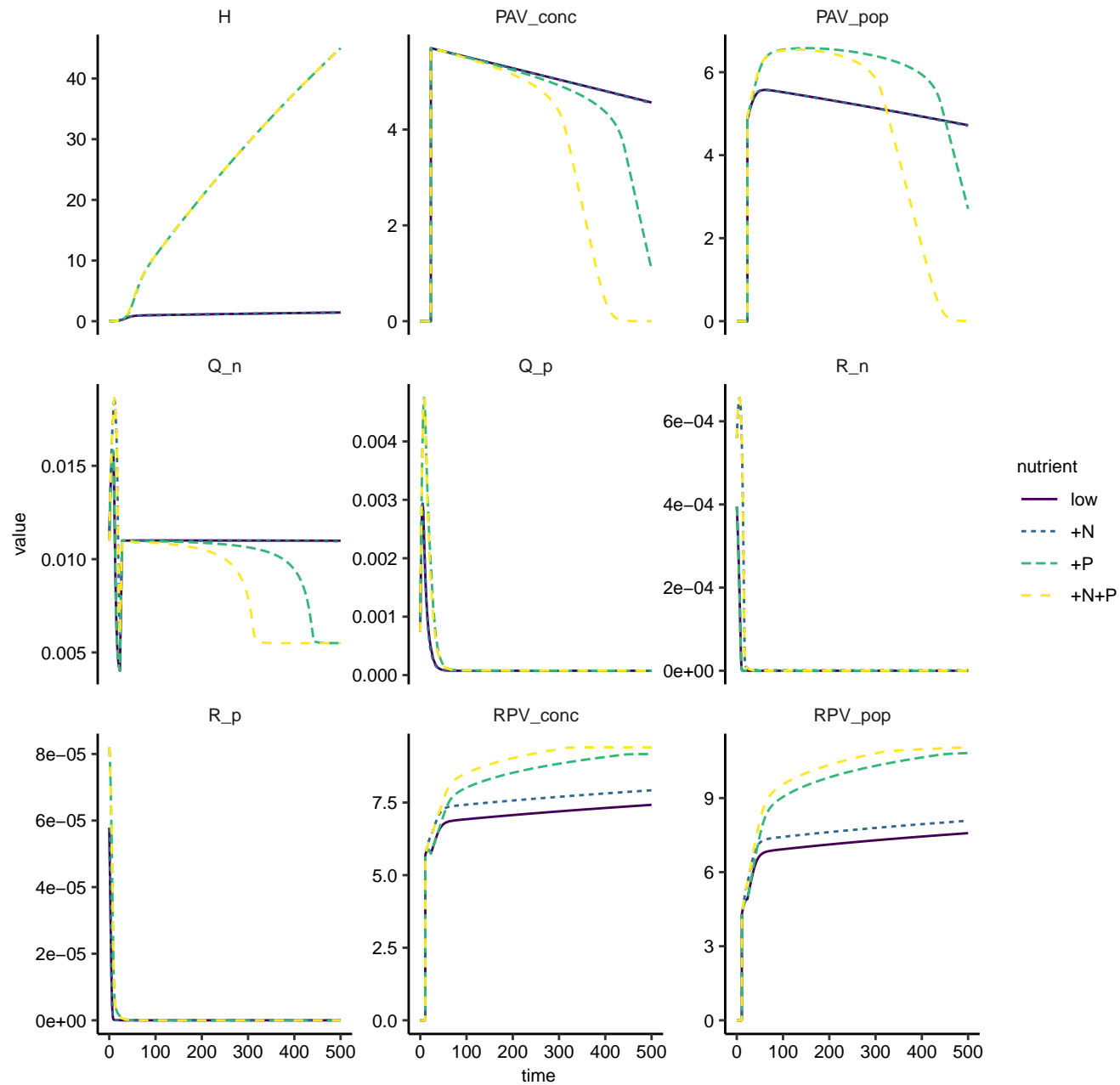
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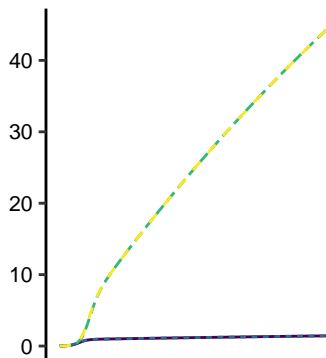


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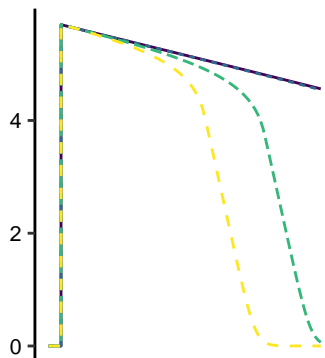


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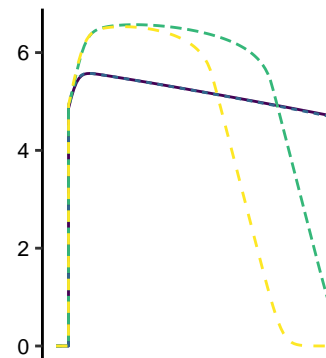
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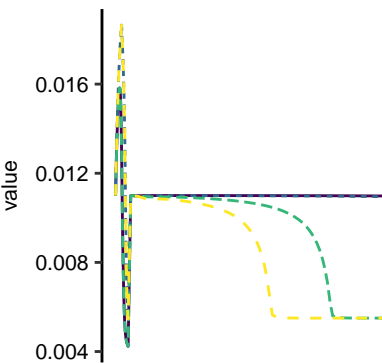
PAV\_conc



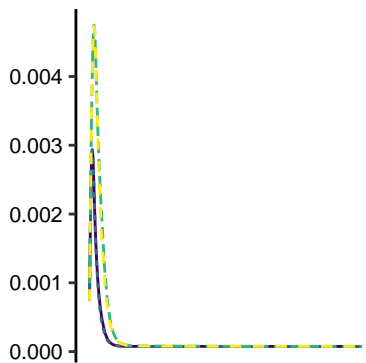
PAV\_pop



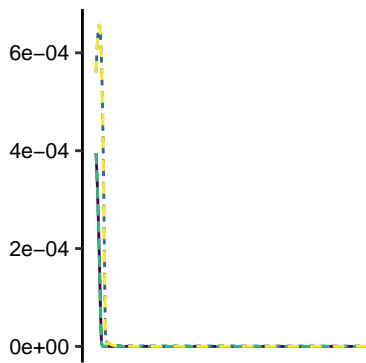
Q\_n



Q\_p



R\_n



nutrient

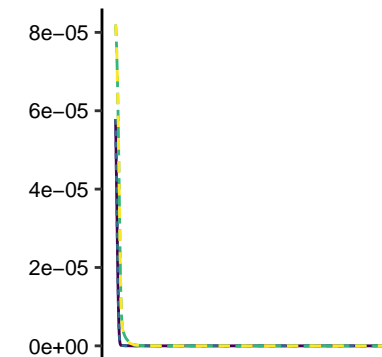
low

+N

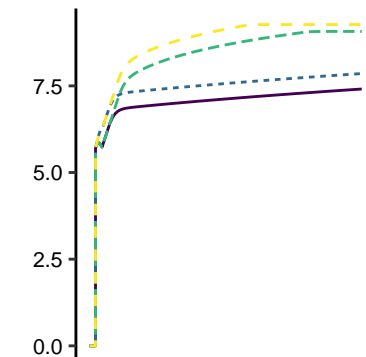
+P

+N+P

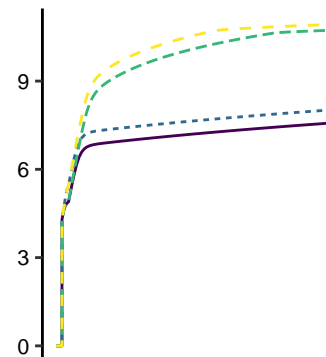
R\_p



RPV\_conc



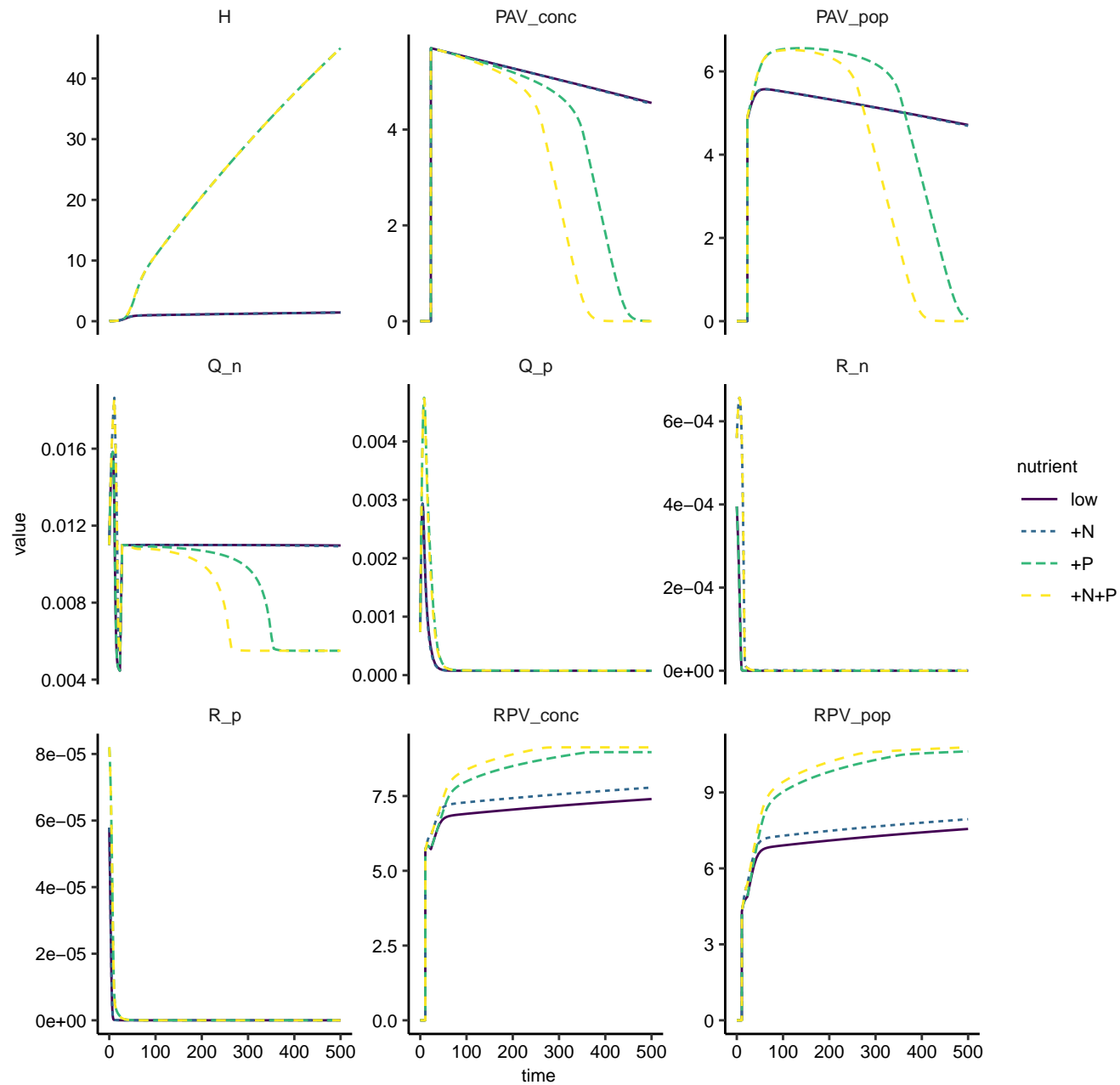
RPV\_pop



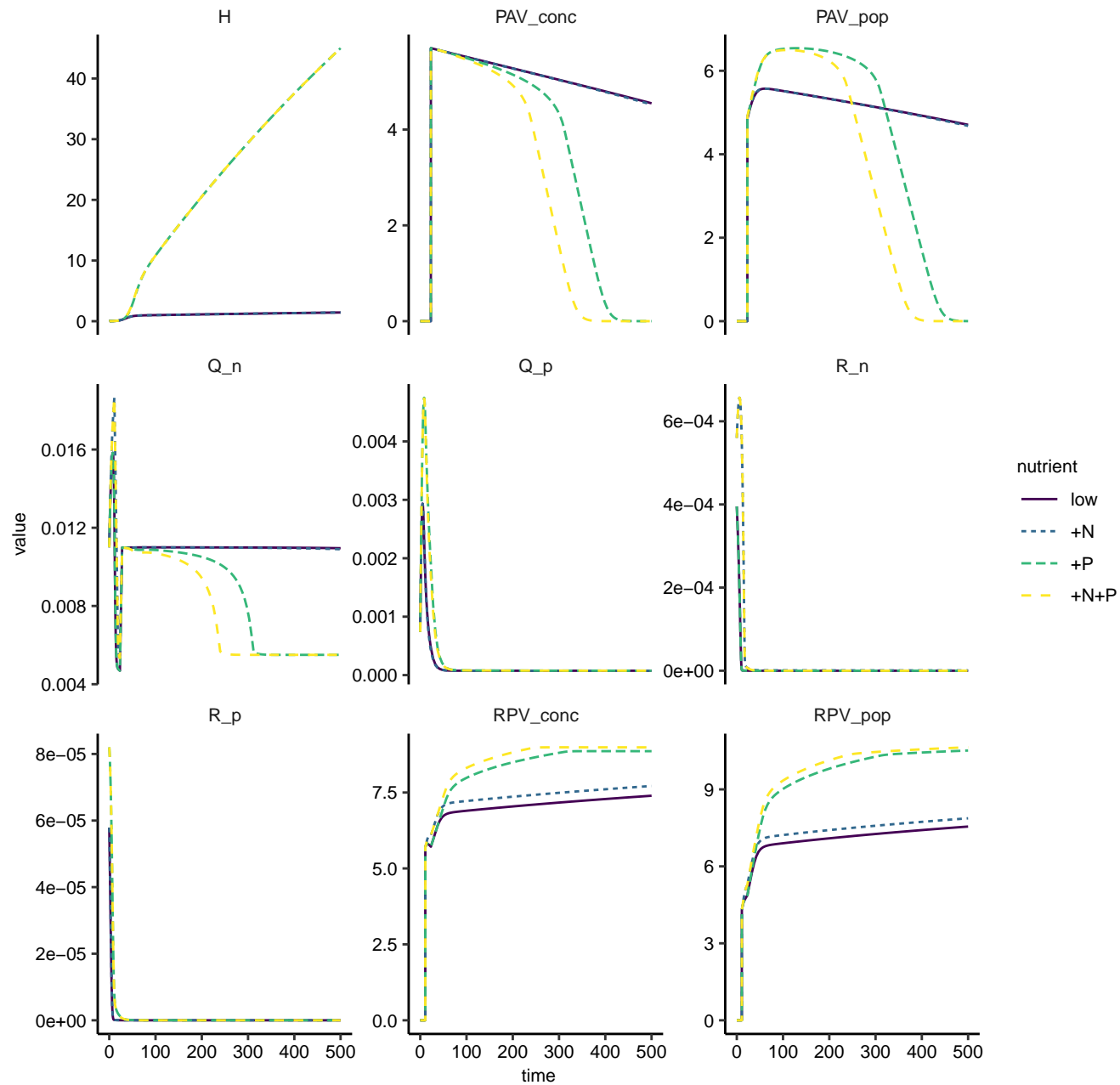
time



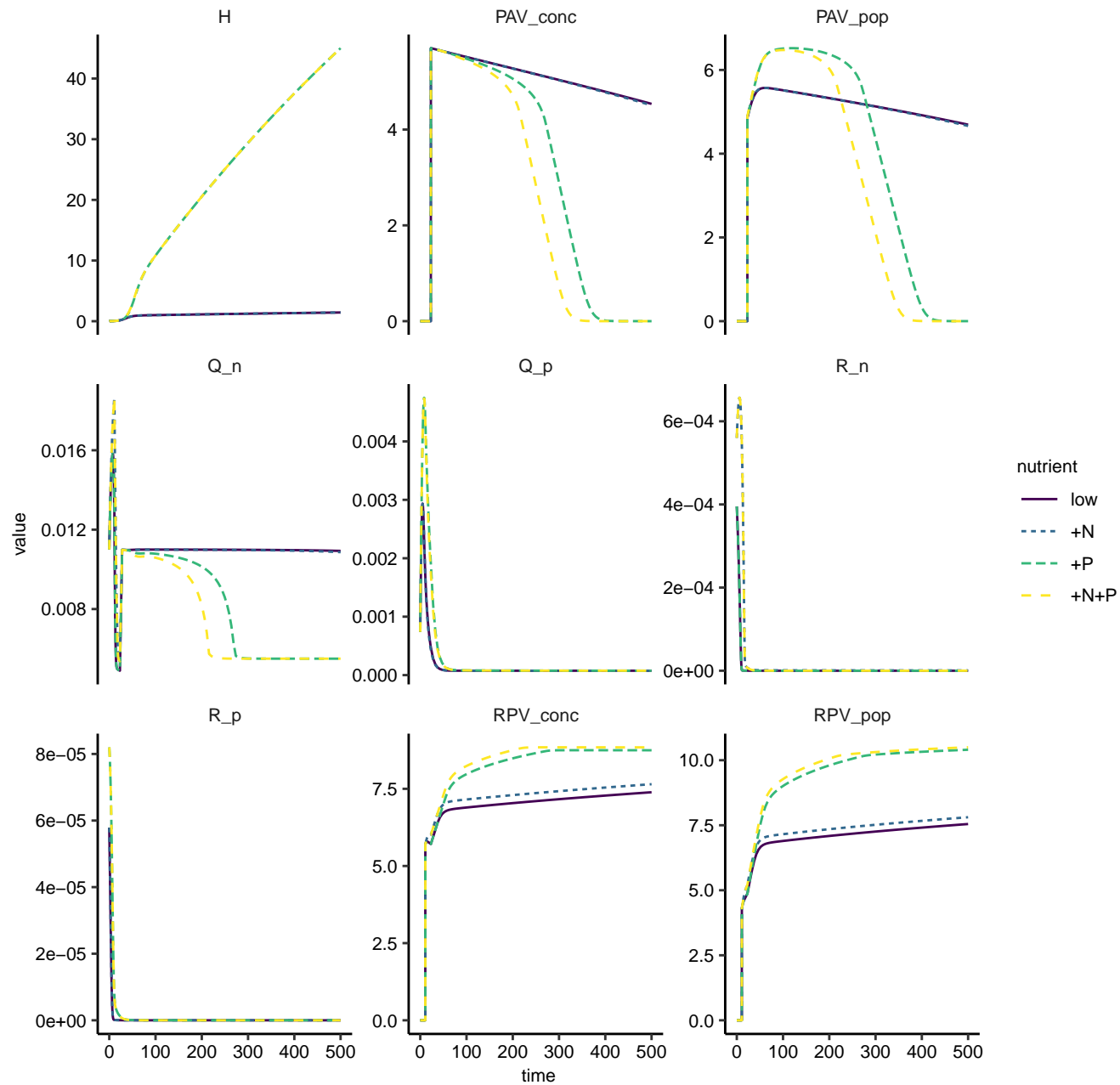
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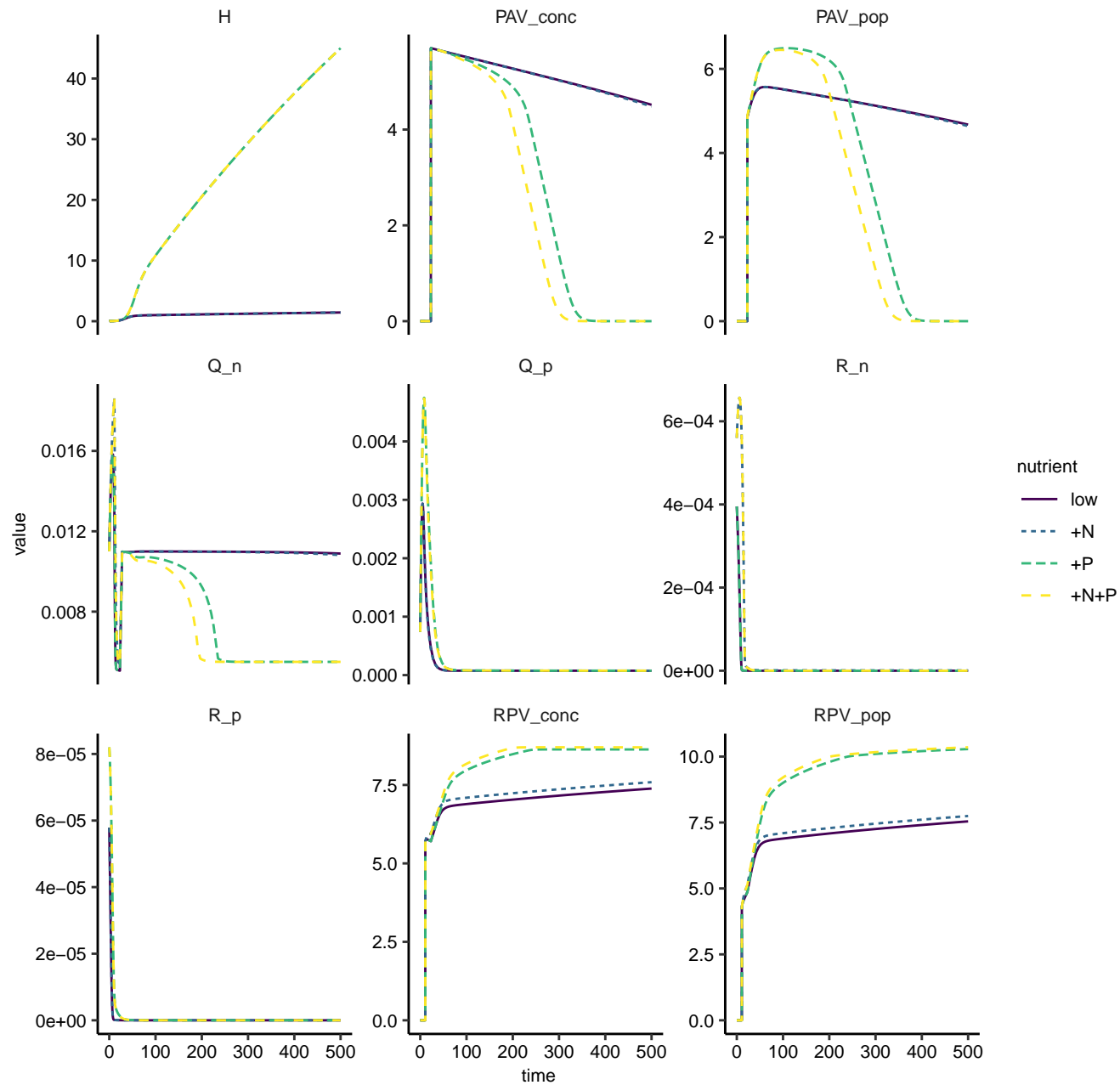
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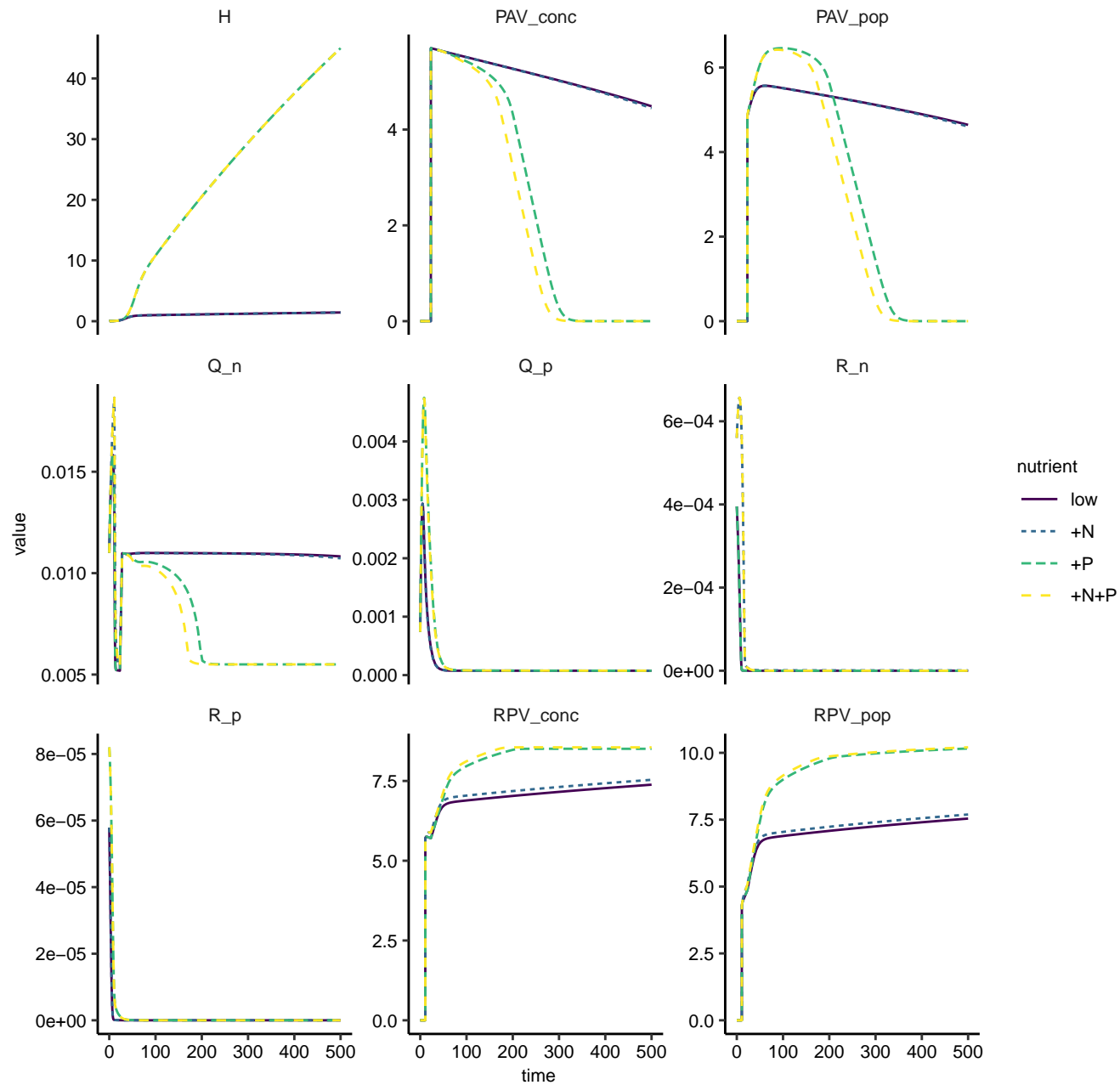
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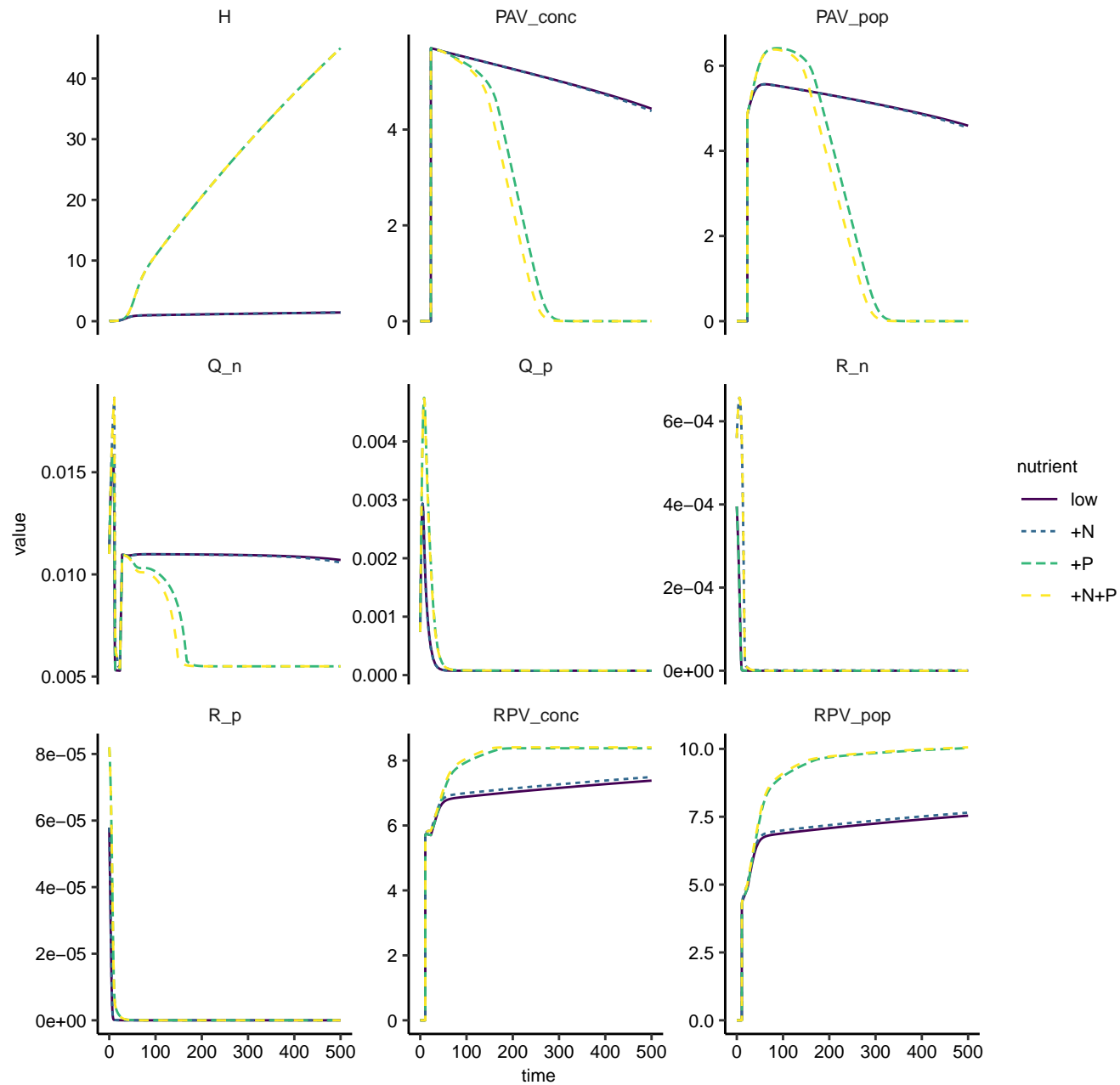
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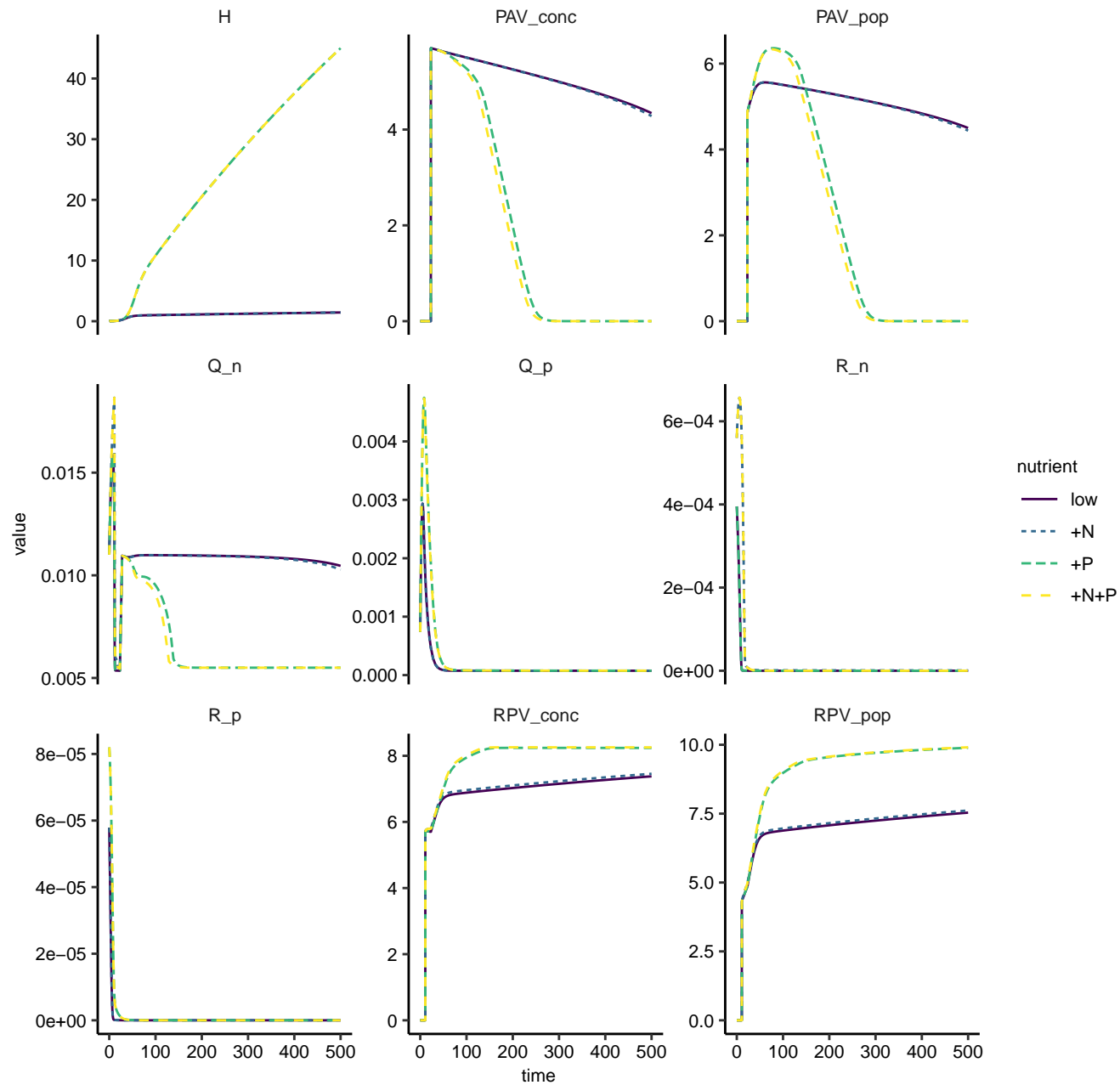
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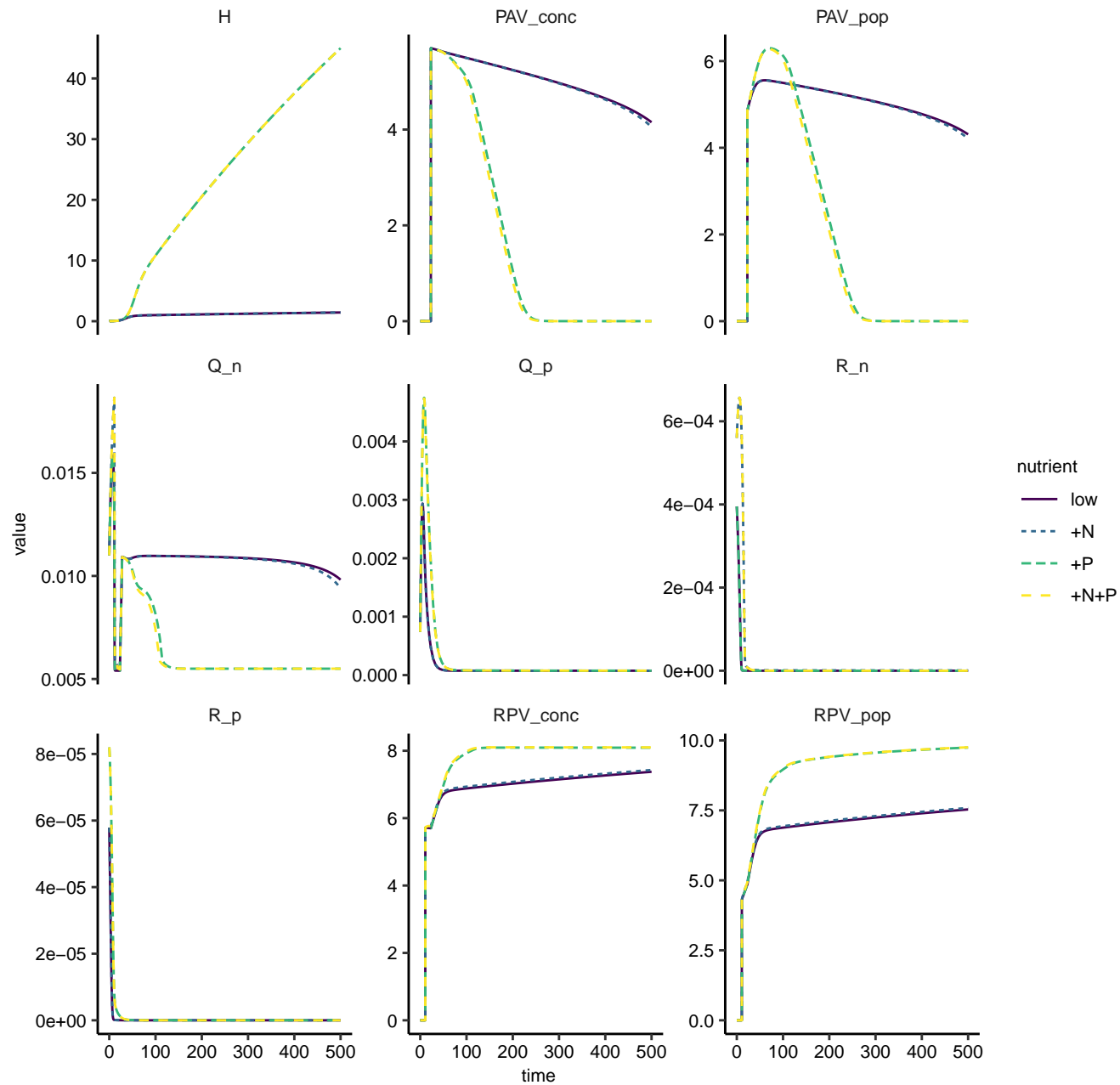
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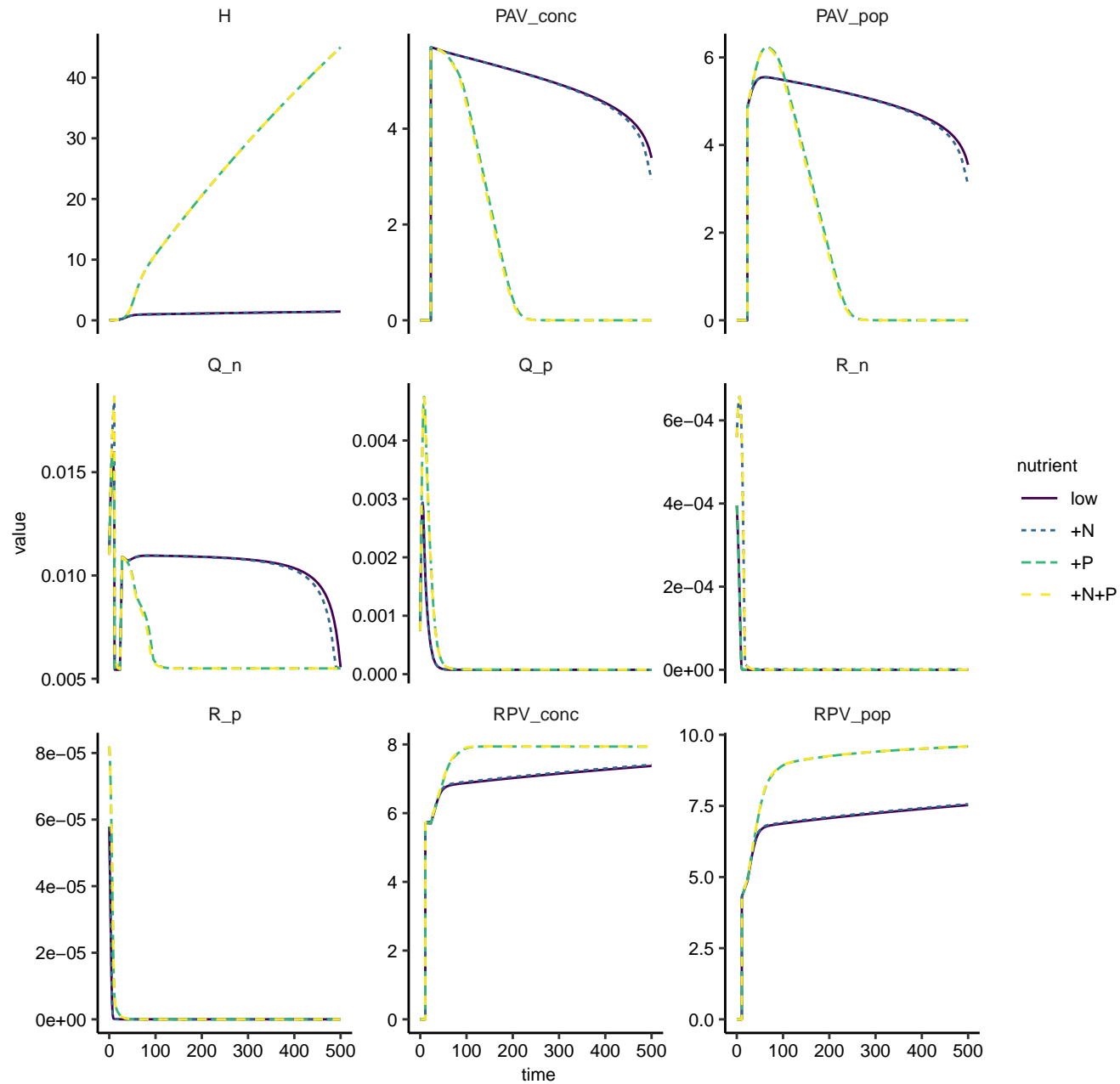


$z\_nb = 1e-04$ ;  $z\_nc = 2.8480358684358e-07$

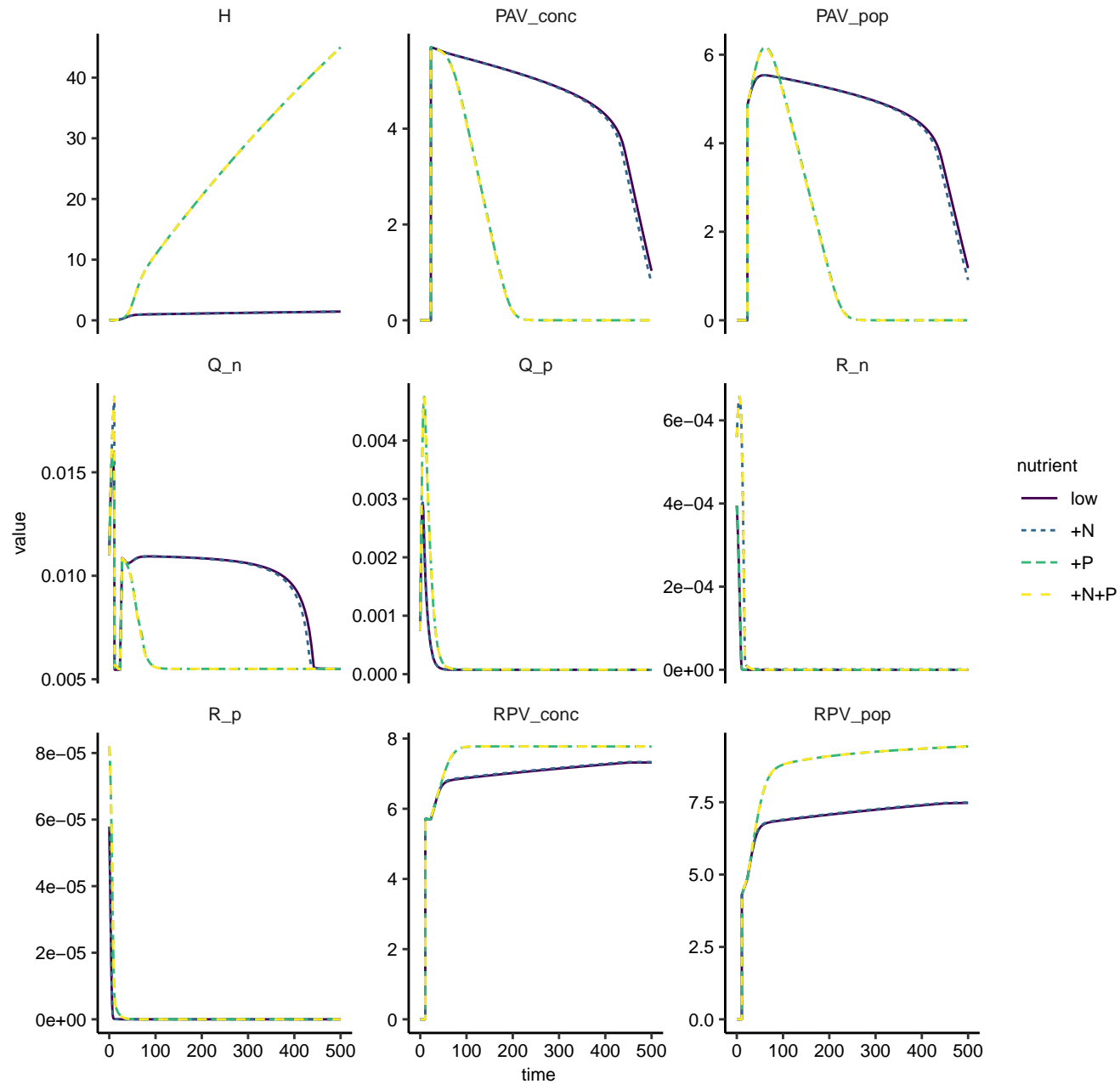




$z\_nb = 1e-04$ ;  $z\_nc = 4.32876128108306e-07$

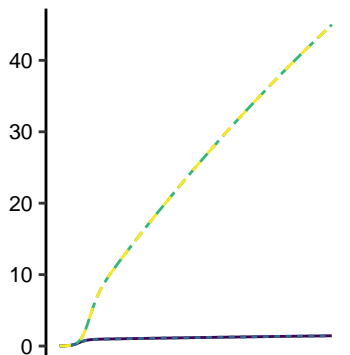


$z\_nb = 1e-04$ ;  $z\_nc = 6.57933224657568e-07$

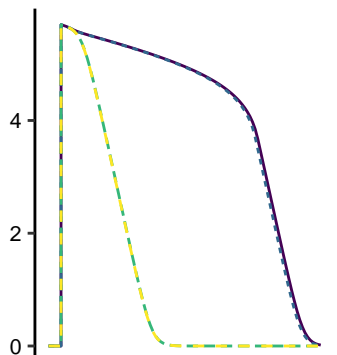


$z\_nb = 1e-04$ ;  $z\_nc = 1e-06$

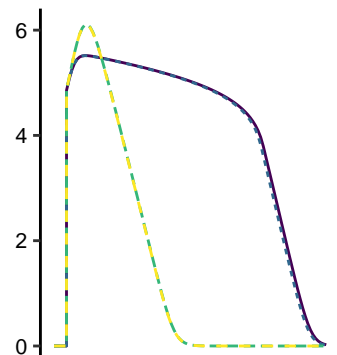
H



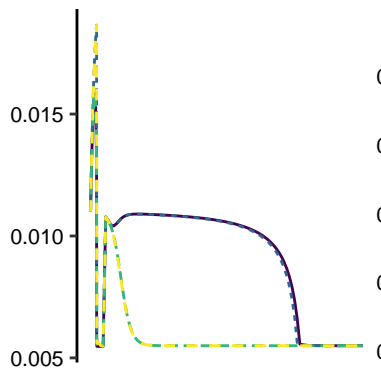
PAV\_conc



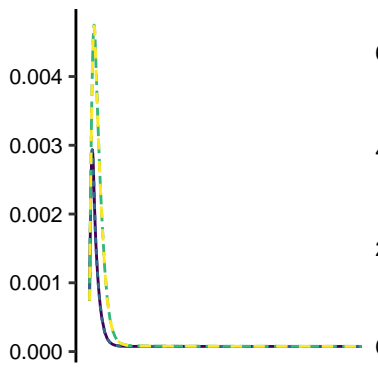
PAV\_pop



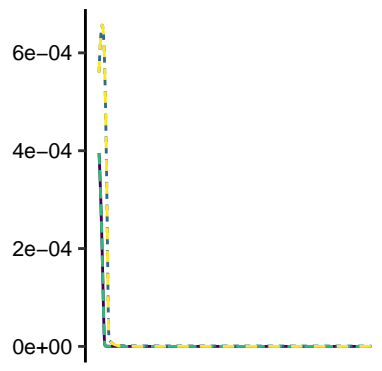
Q\_n



Q\_p



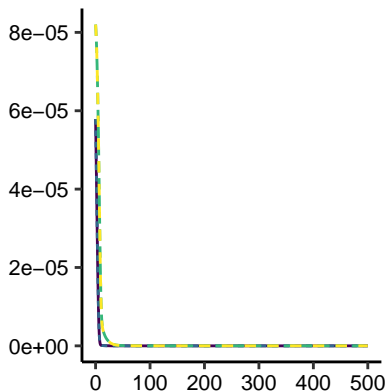
R\_n



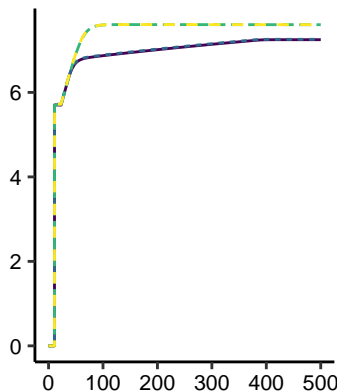
nutrient

low  
+N  
+P  
+N+P

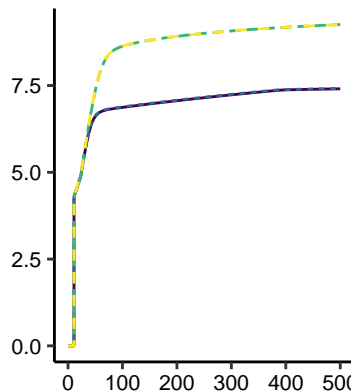
R\_p



RPV\_conc

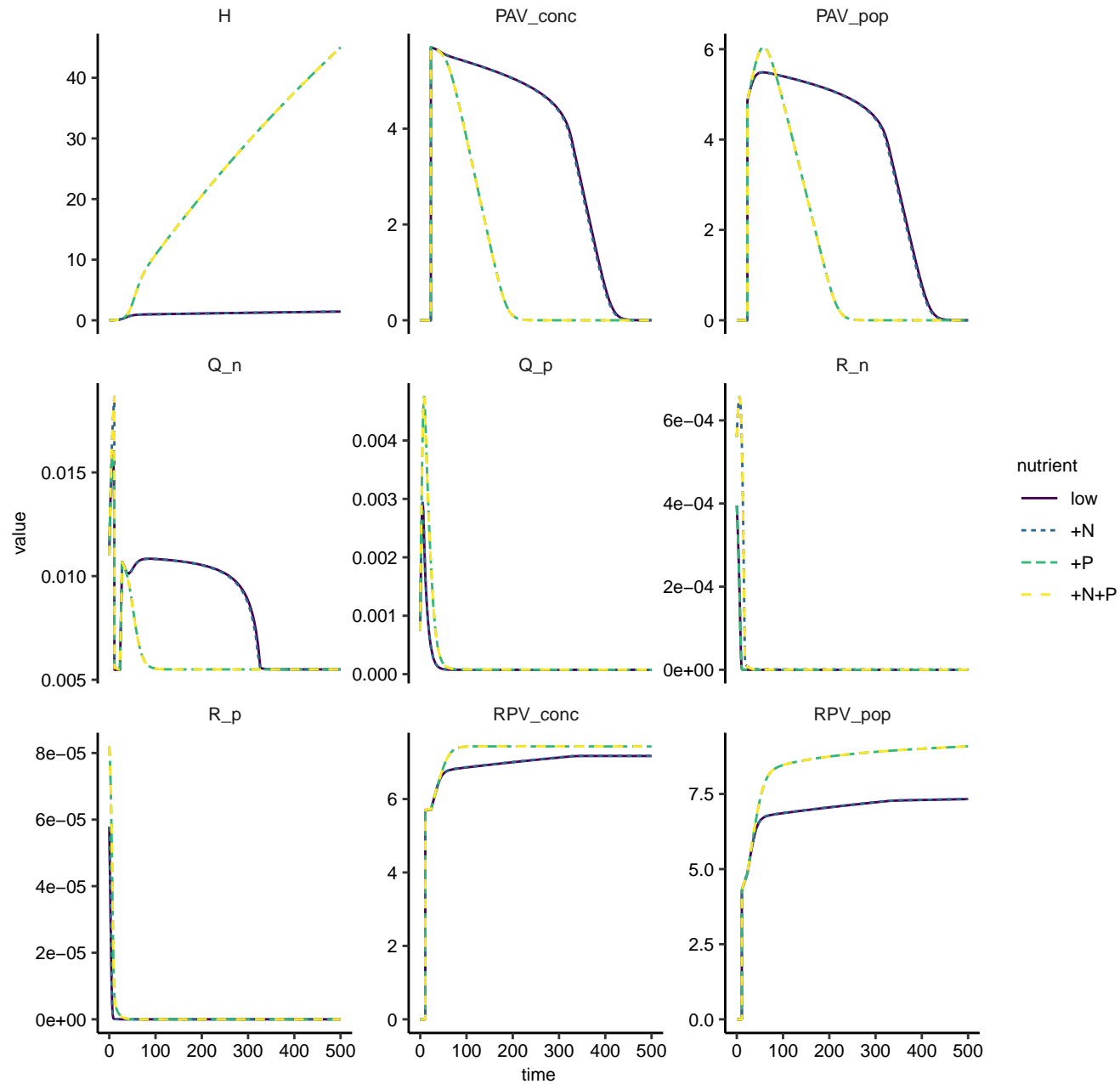


RPV\_pop

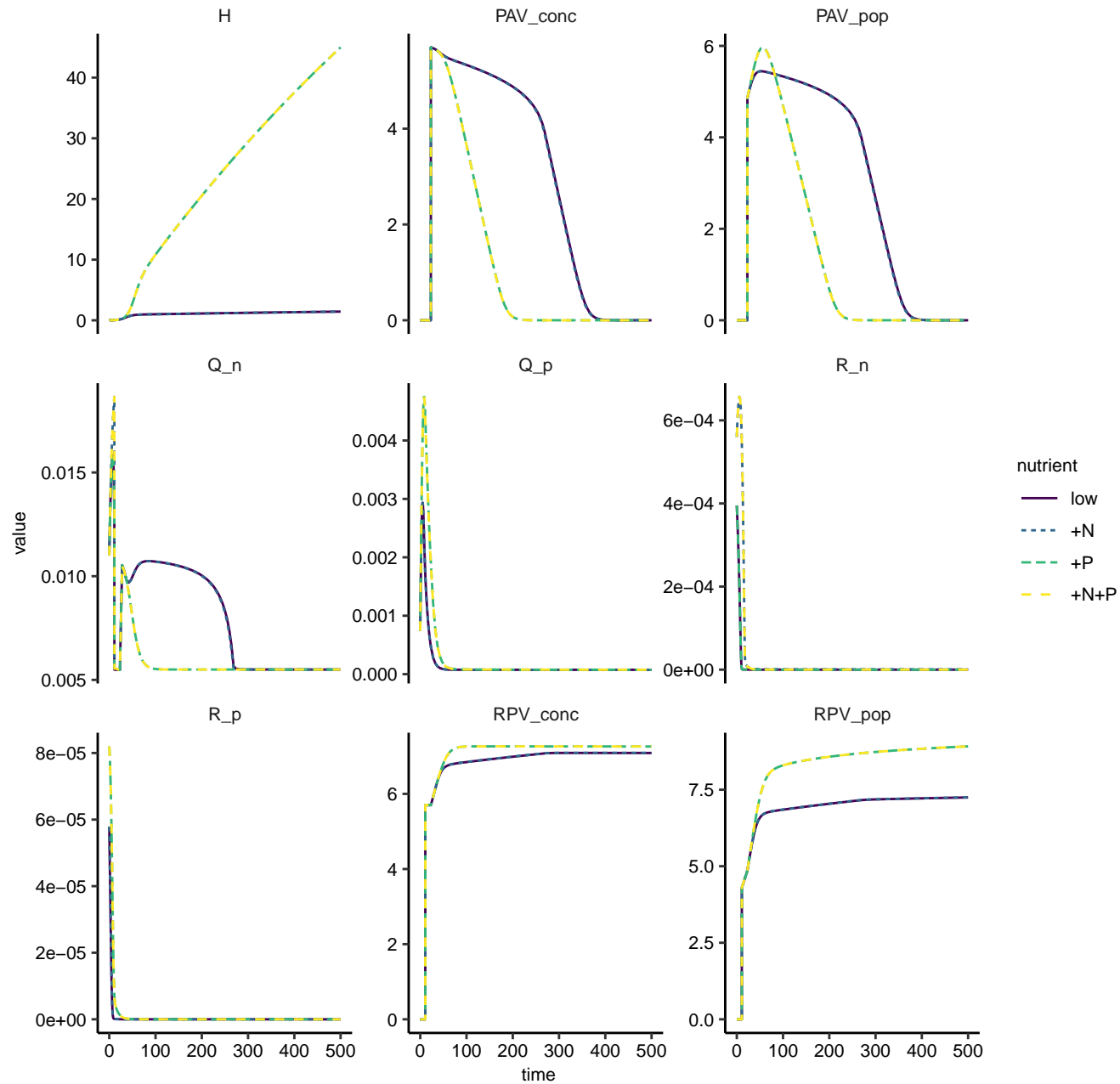


time

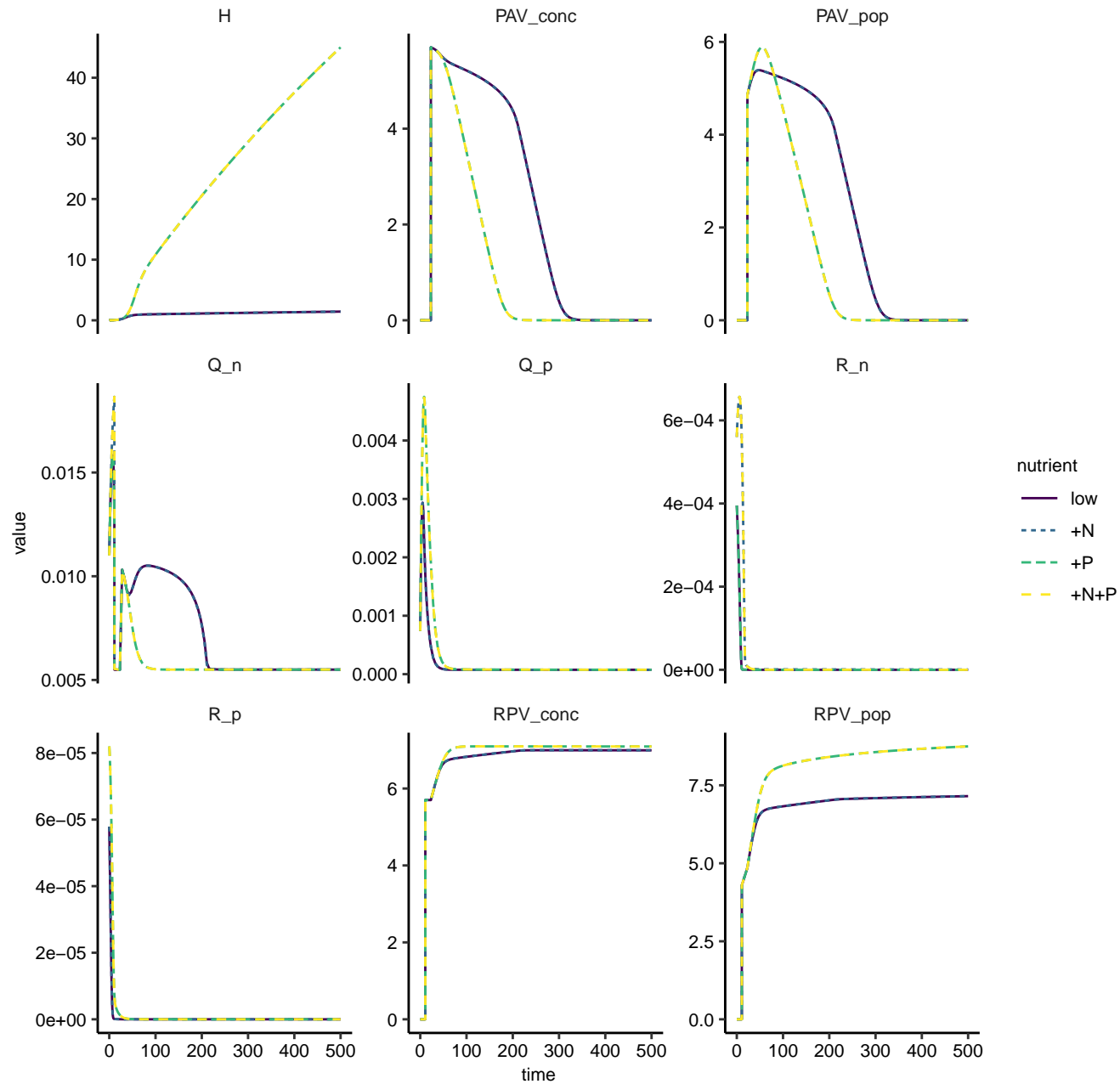
$z\_nb = 1e-04$ ;  $z\_nc = 1.51991108295293e-06$



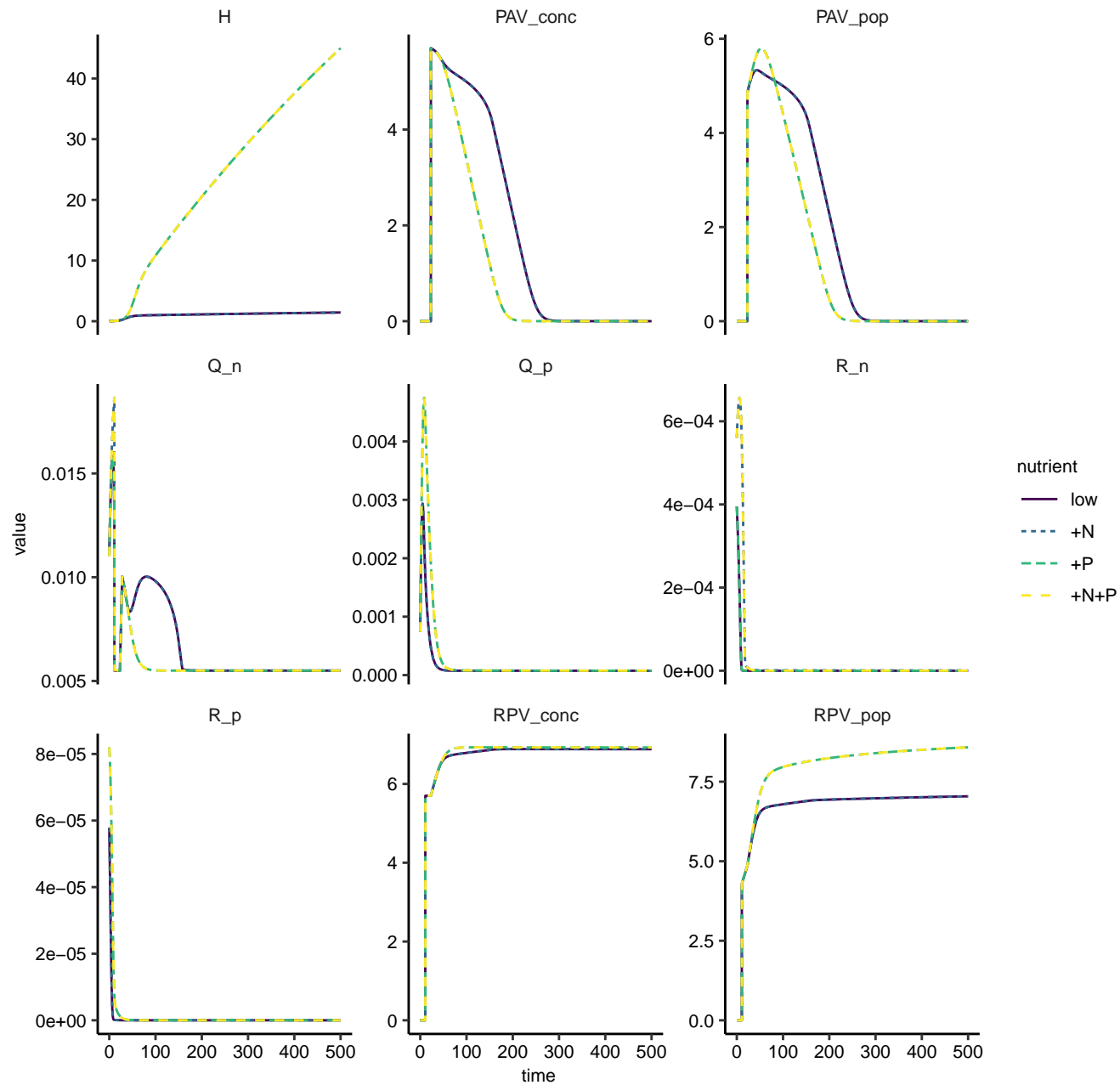
$z\_nb = 1e-04$ ;  $z\_nc = 2.31012970008316e-06$



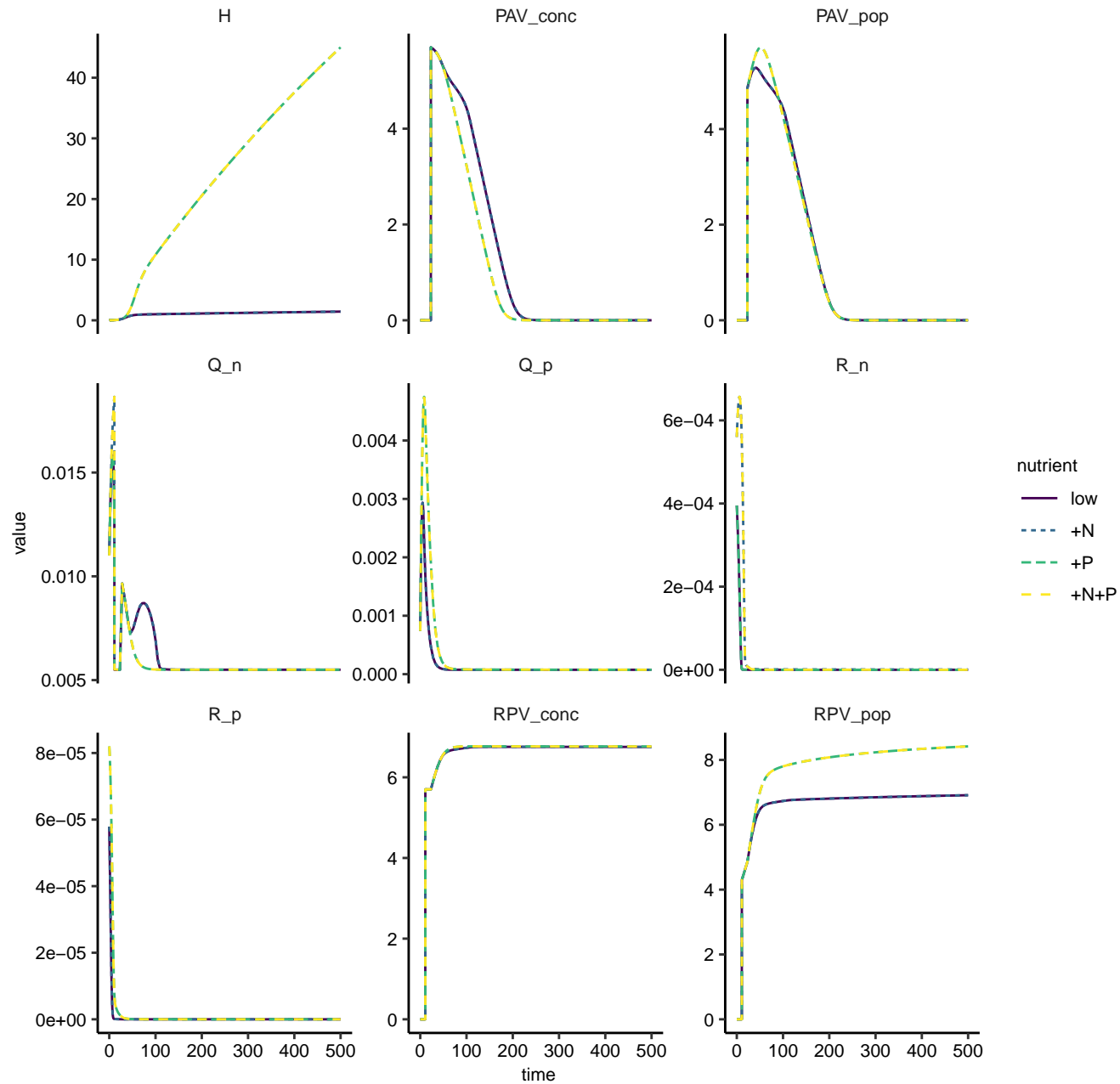
$z\_nb = 1e-04$ ;  $z\_nc = 3.51119173421513e-06$



$z\_nb = 1e-04$ ;  $z\_nc = 5.33669923120632e-06$

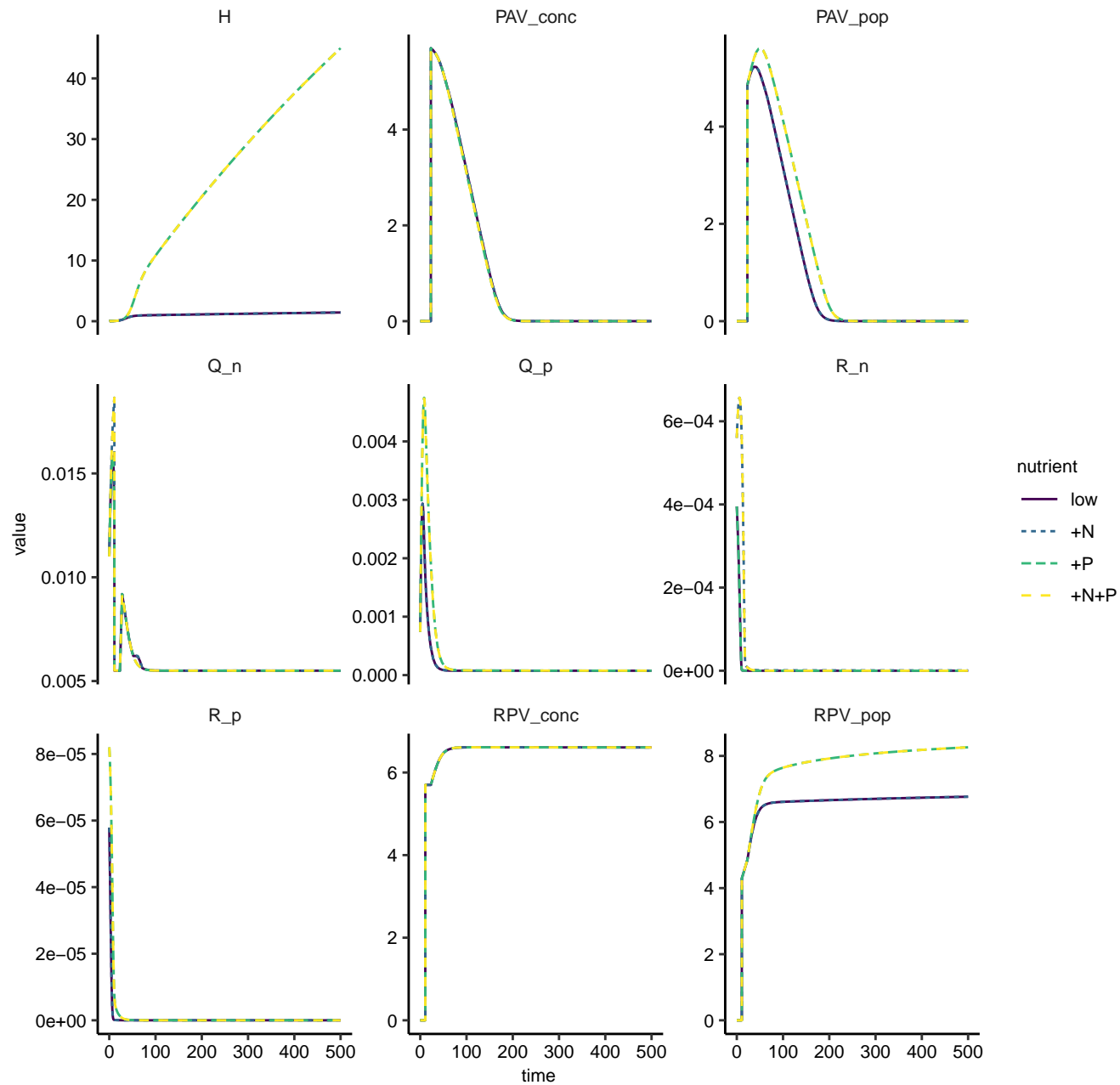


$z\_nb = 1e-04$ ;  $z\_nc = 8.11130830789689e-06$

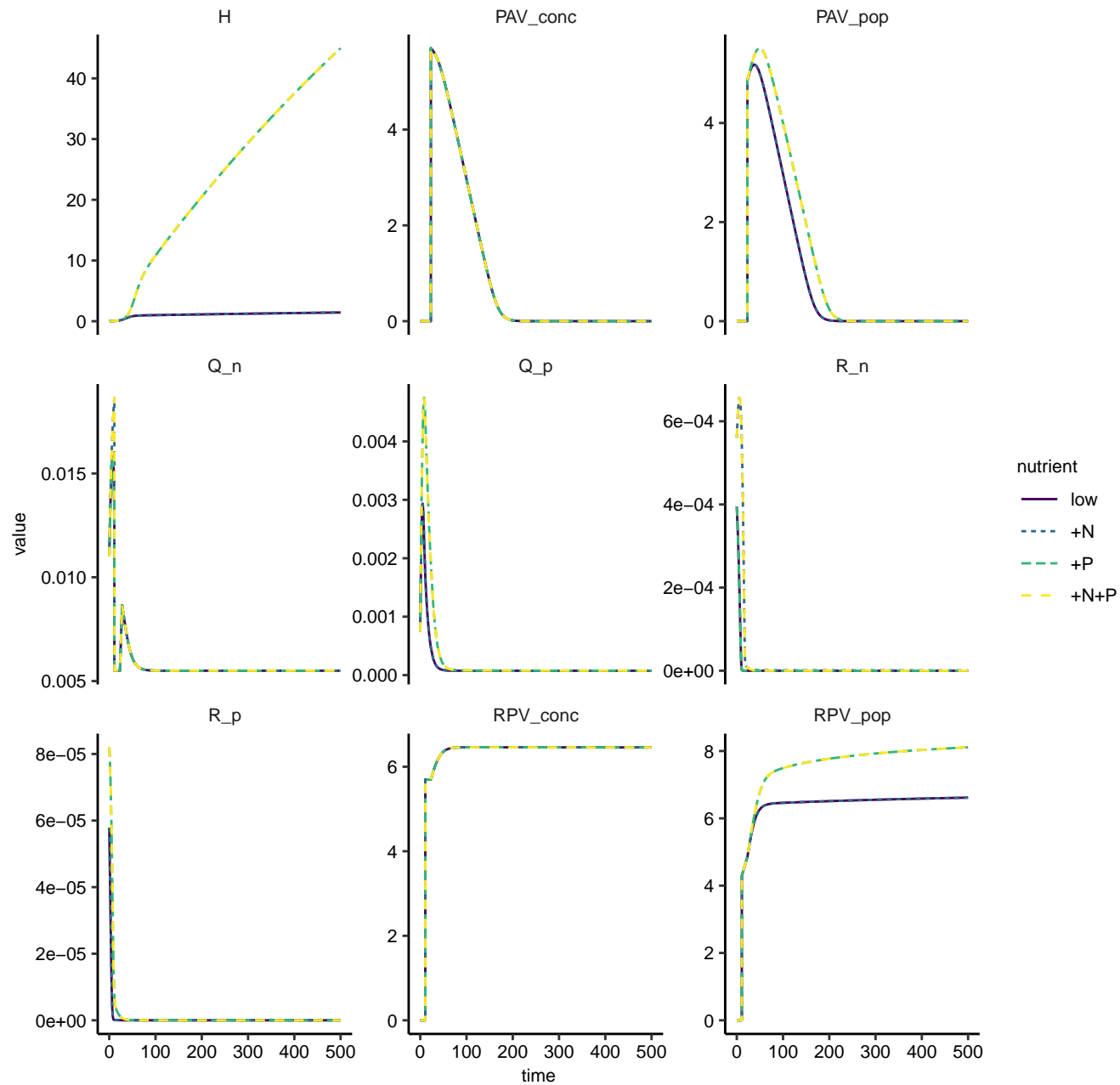




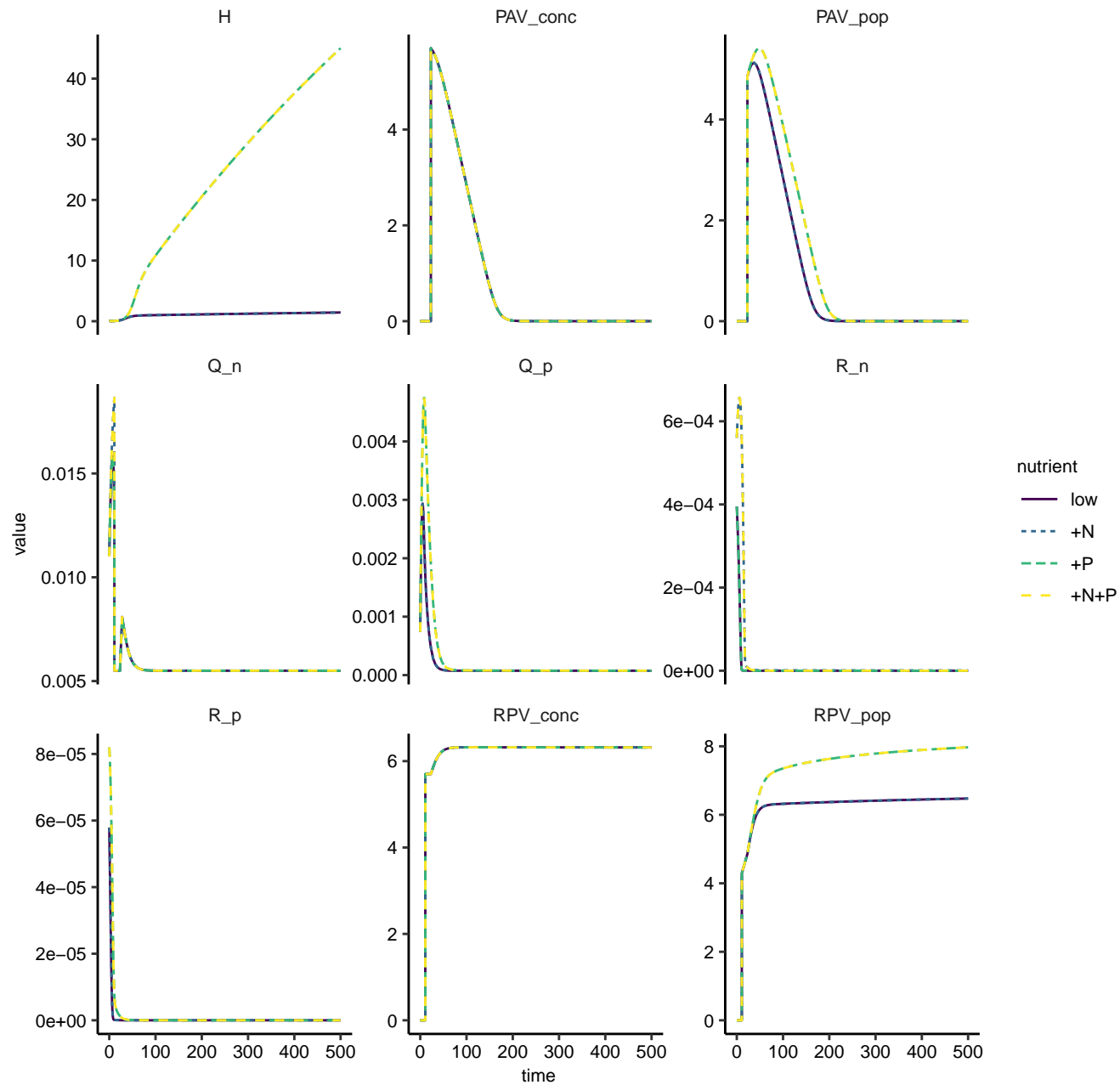
$z\_nb = 1e-04$ ;  $z\_nc = 1.23284673944207e-05$



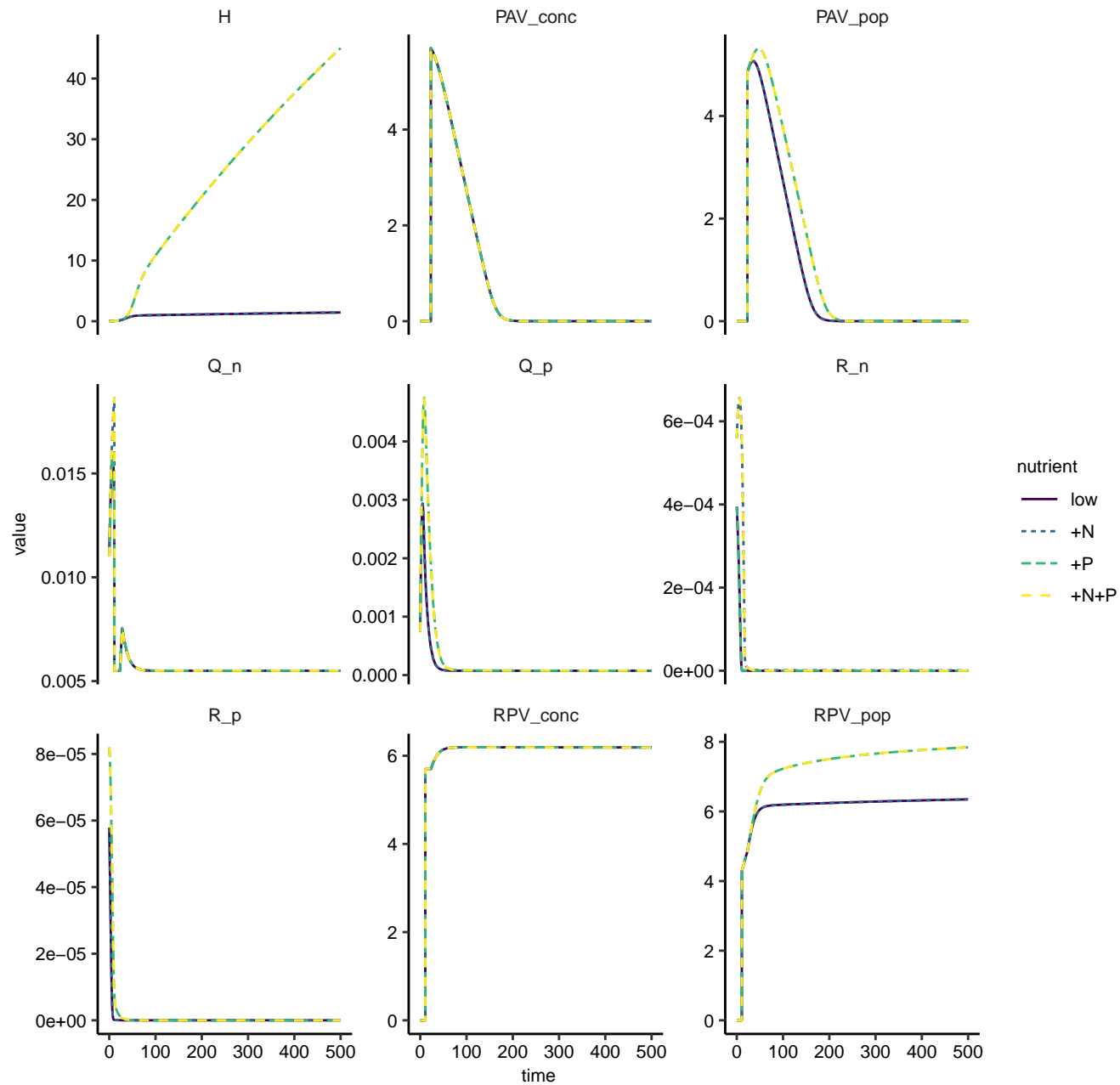
$z\_nb = 1e-04$ ;  $z\_nc = 1.87381742286039e-05$



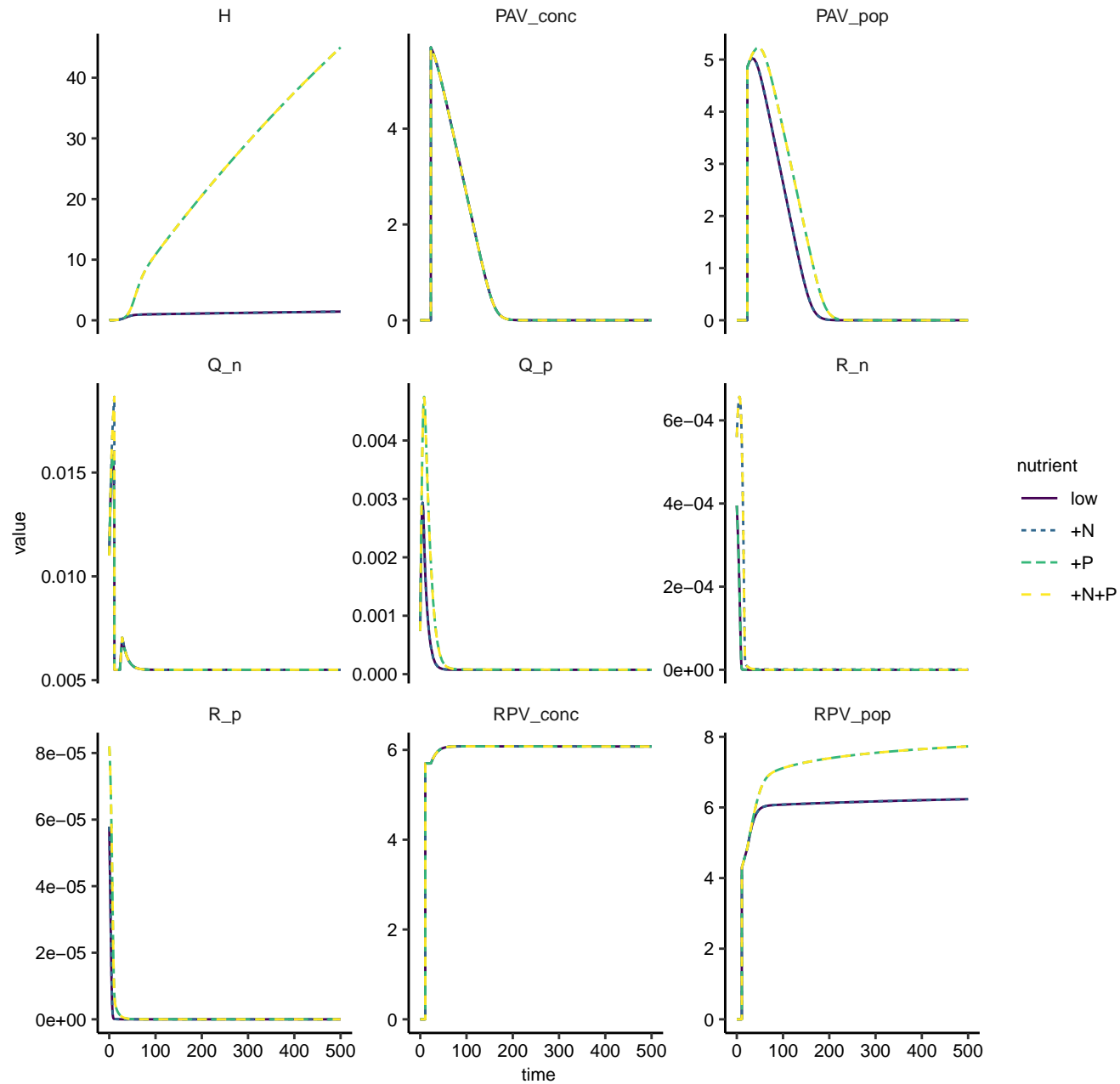
$z\_nb = 1e-04$ ;  $z\_nc = 2.8480358684358e-05$



$z\_nb = 1e-04$ ;  $z\_nc = 4.32876128108306e-05$

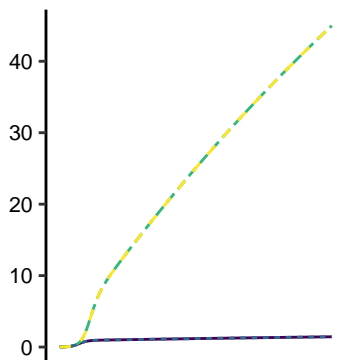


$z\_nb = 1e-04$ ;  $z\_nc = 6.57933224657568e-05$

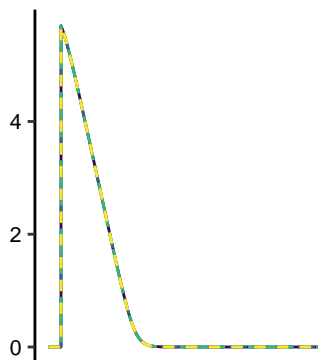


$z\_nb = 1e-04$ ;  $z\_nc = 1e-04$

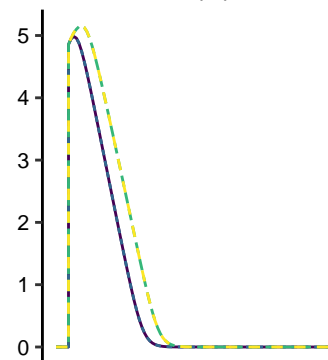
H



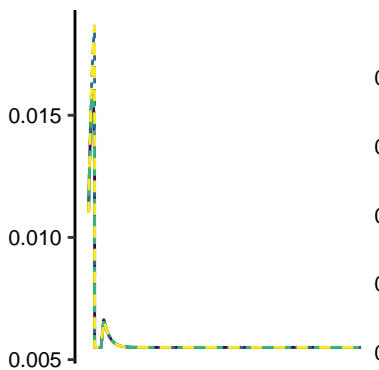
PAV\_conc



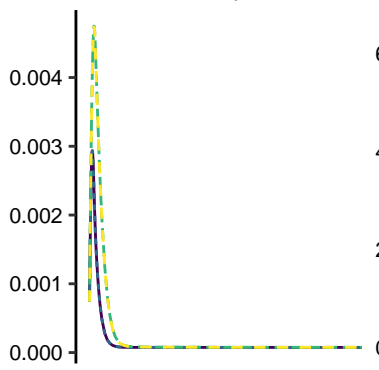
PAV\_pop



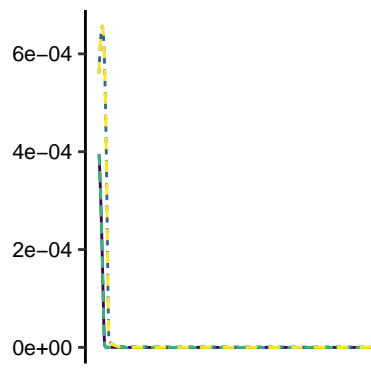
Q\_n



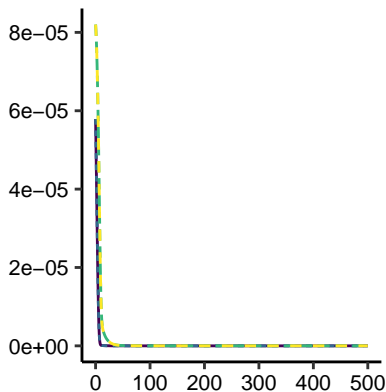
Q\_p



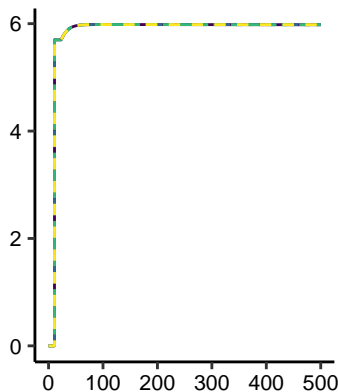
R\_n



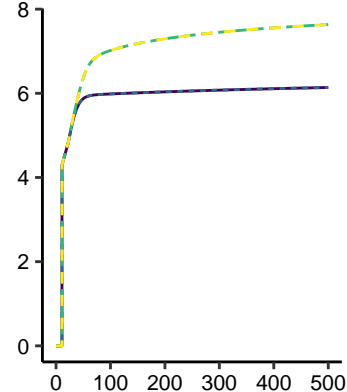
R\_p



RPV\_conc



RPV\_pop



nutrient

low

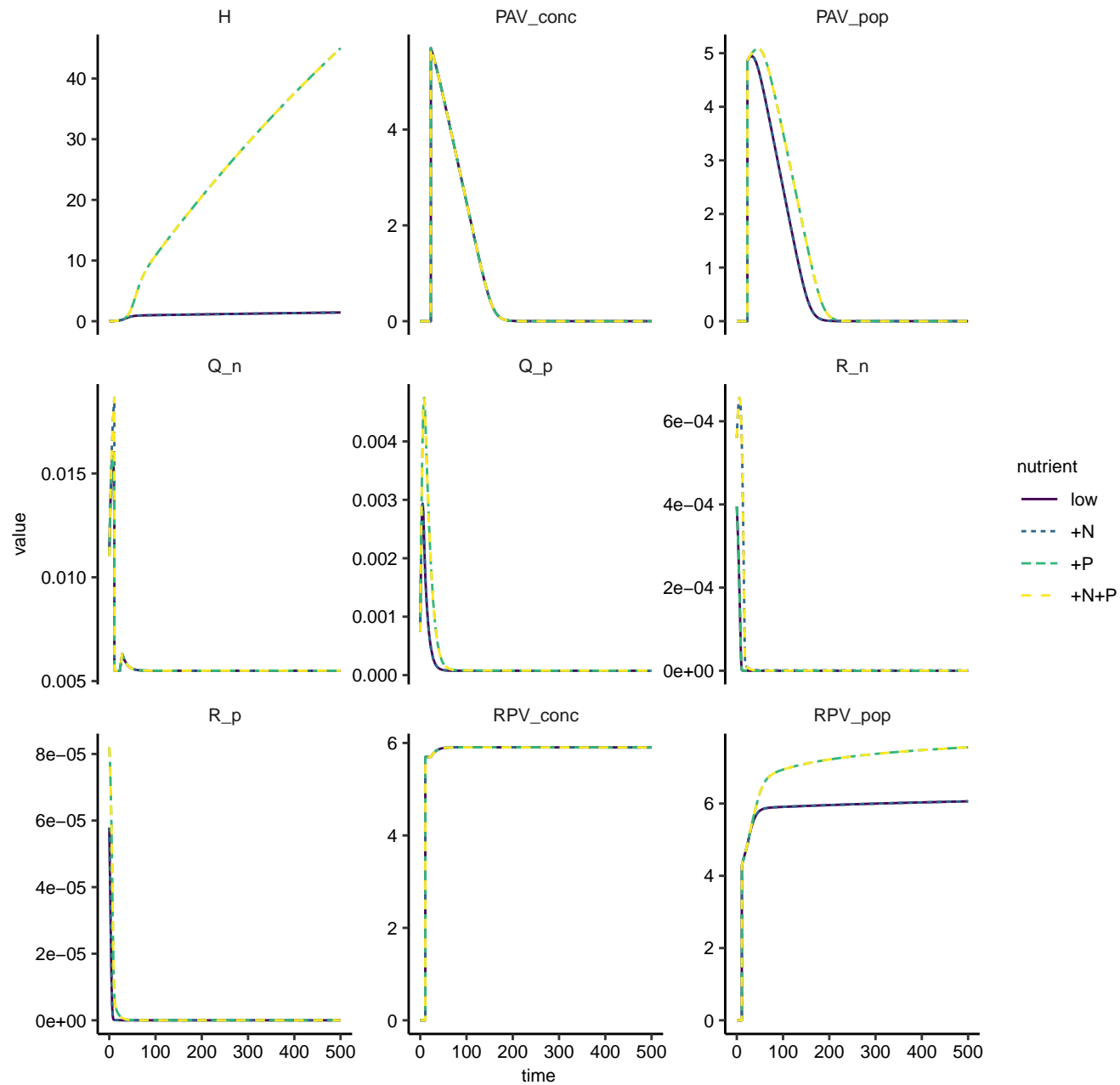
+N

+P

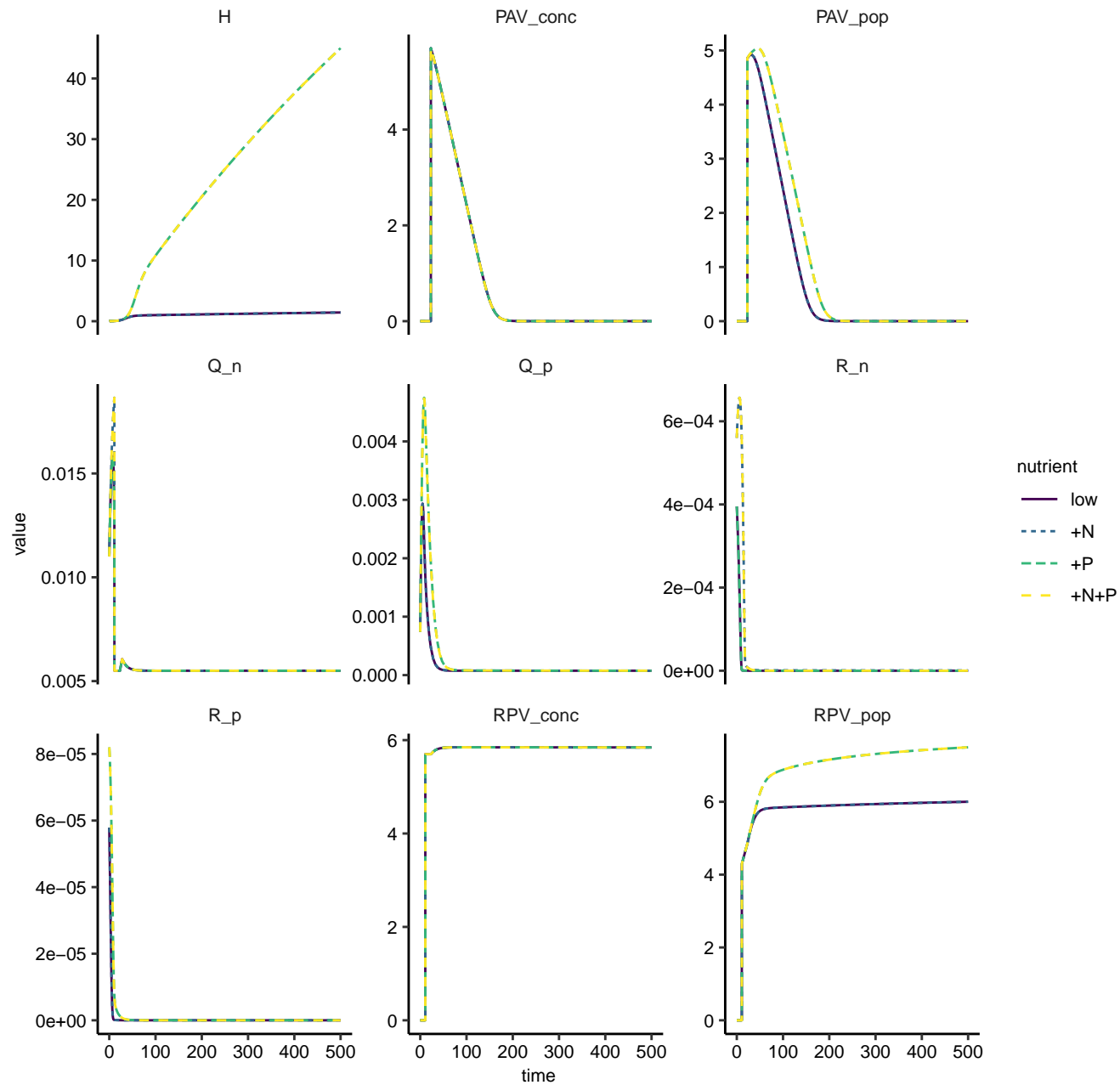
+N+P

time

$z\_nb = 1e-04$ ;  $z\_nc = 0.000151991108295293$

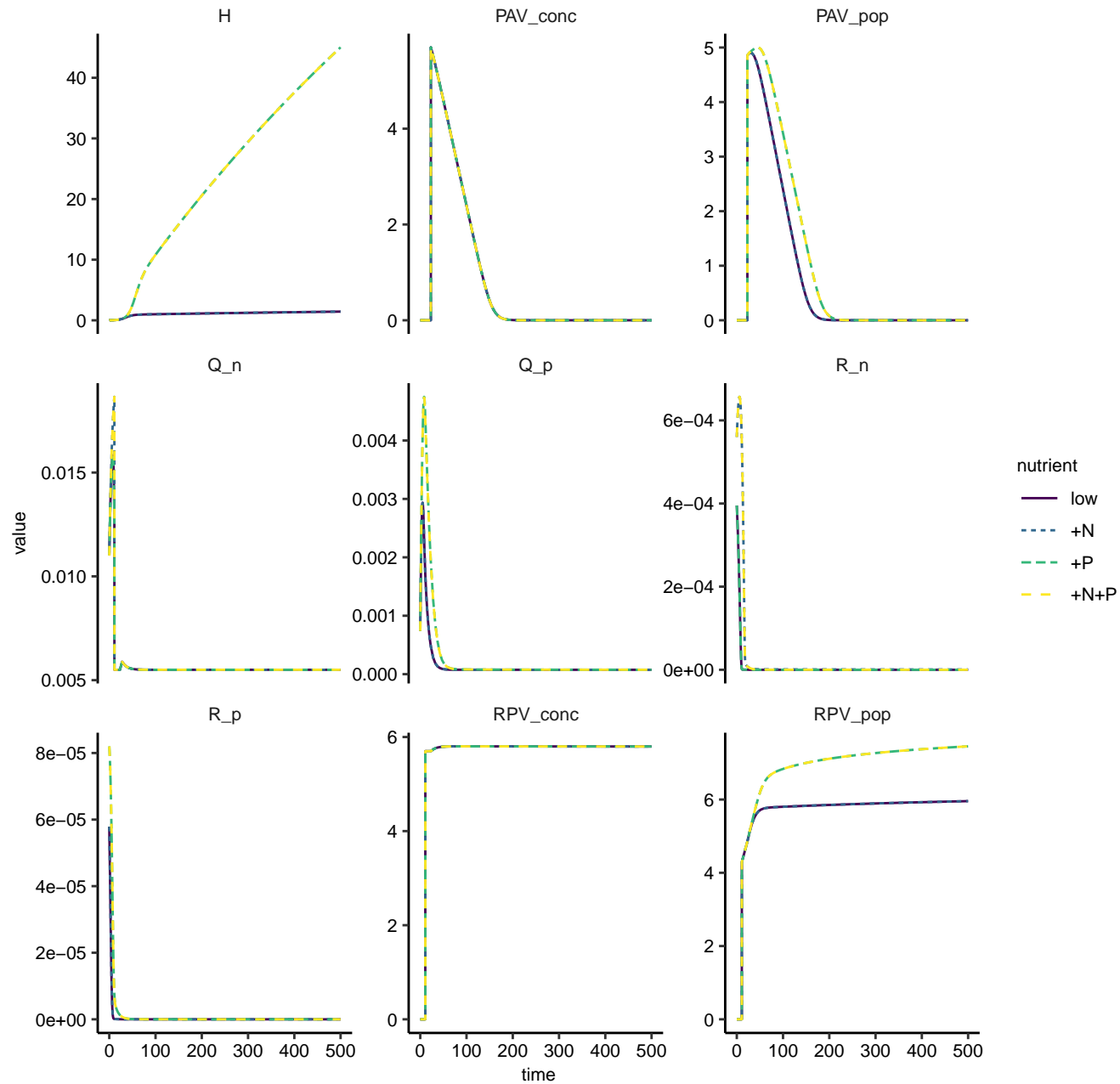


$z\_nb = 1e-04$ ;  $z\_nc = 0.000231012970008316$

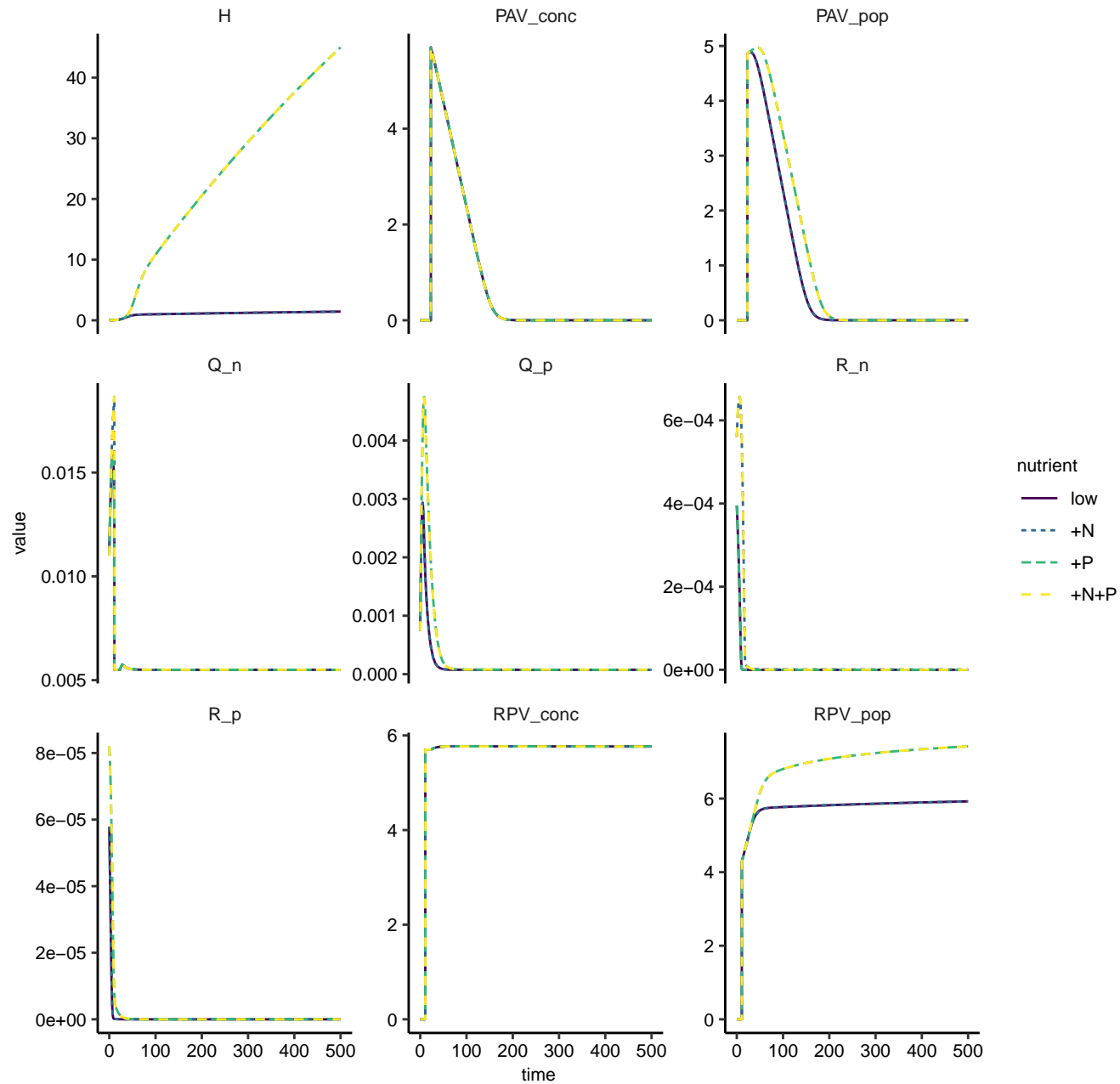




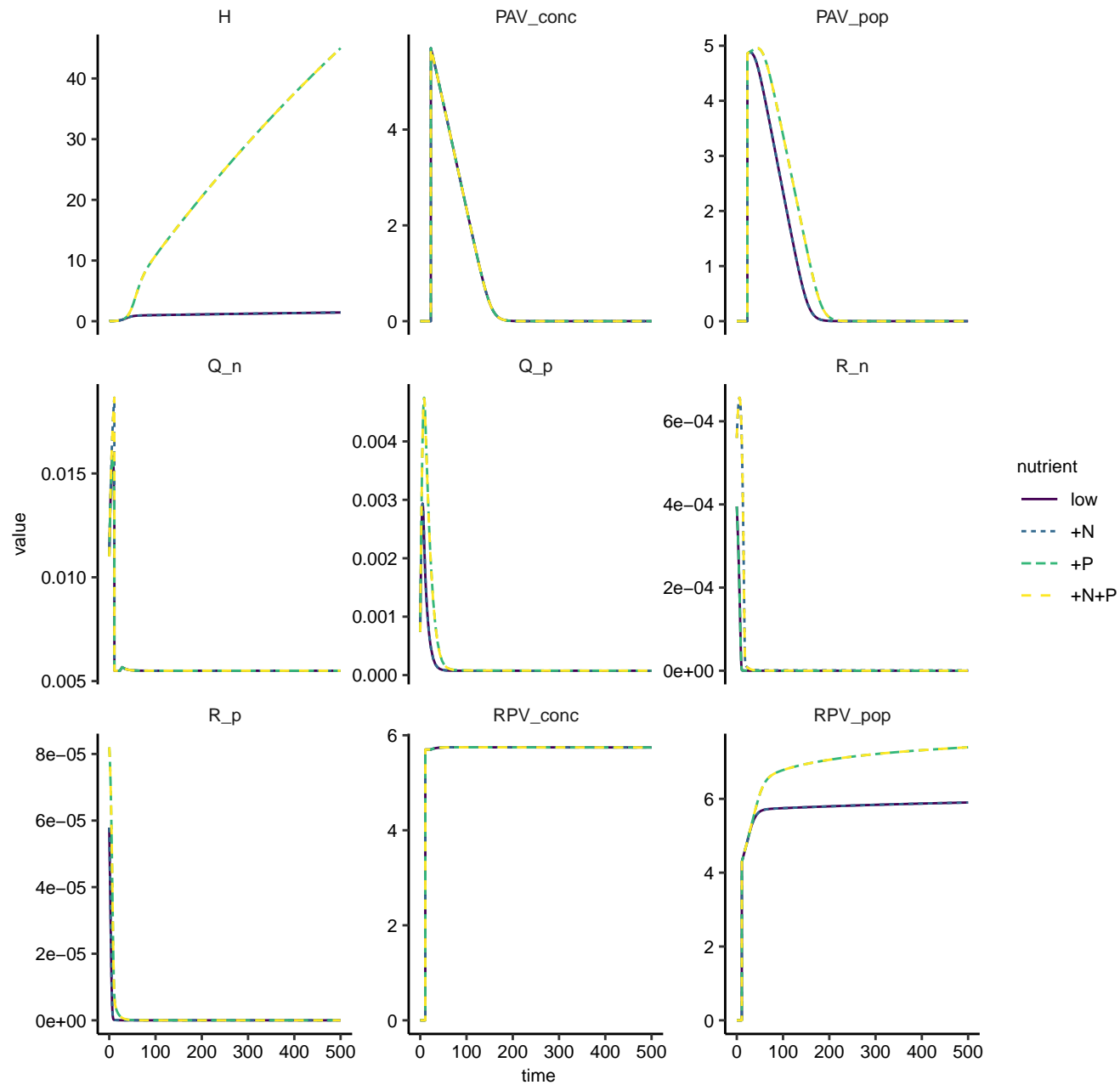
$z\_nb = 1e-04$ ;  $z\_nc = 0.000351119173421514$



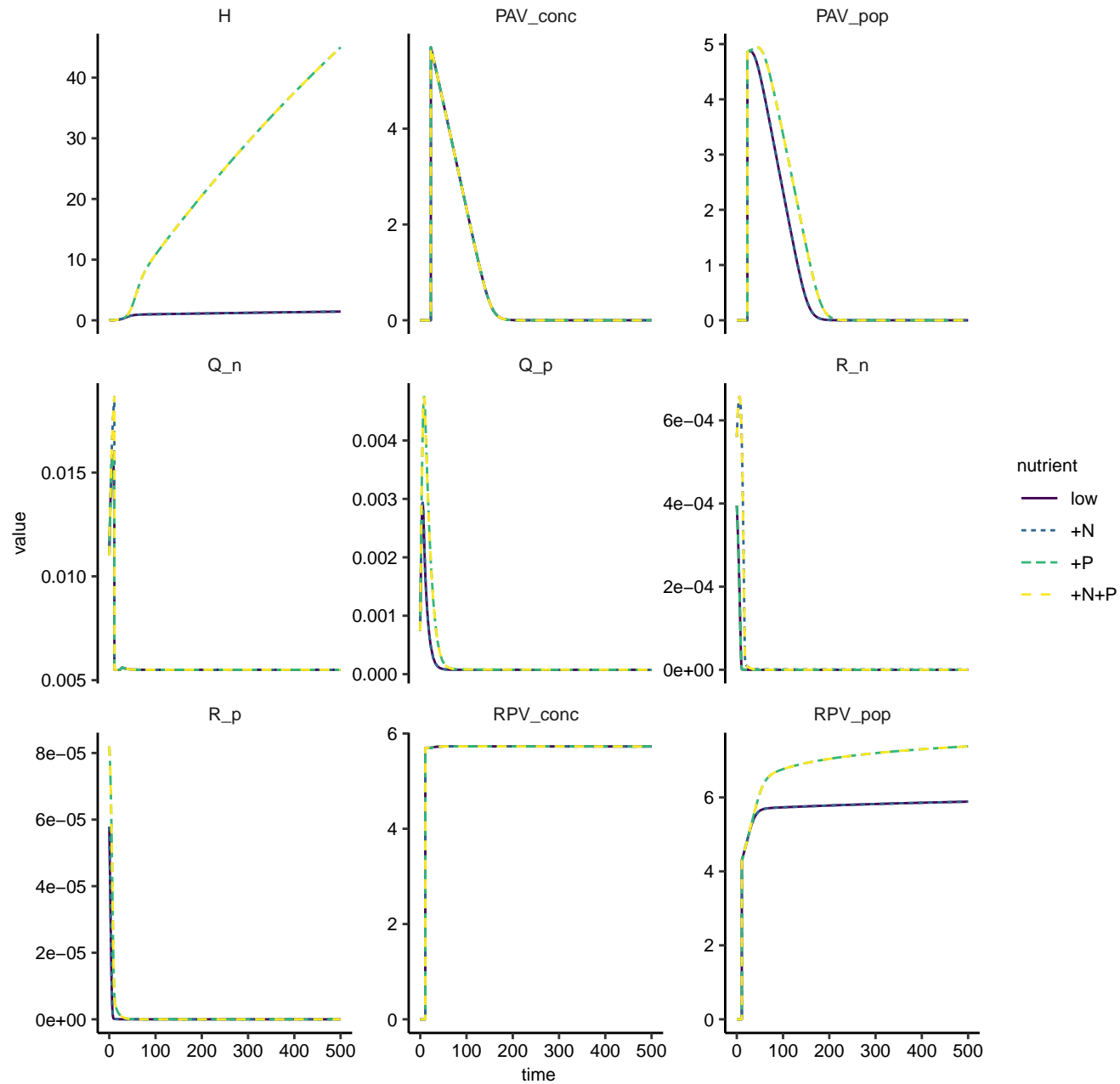
$z\_nb = 1e-04$ ;  $z\_nc = 0.000533669923120632$



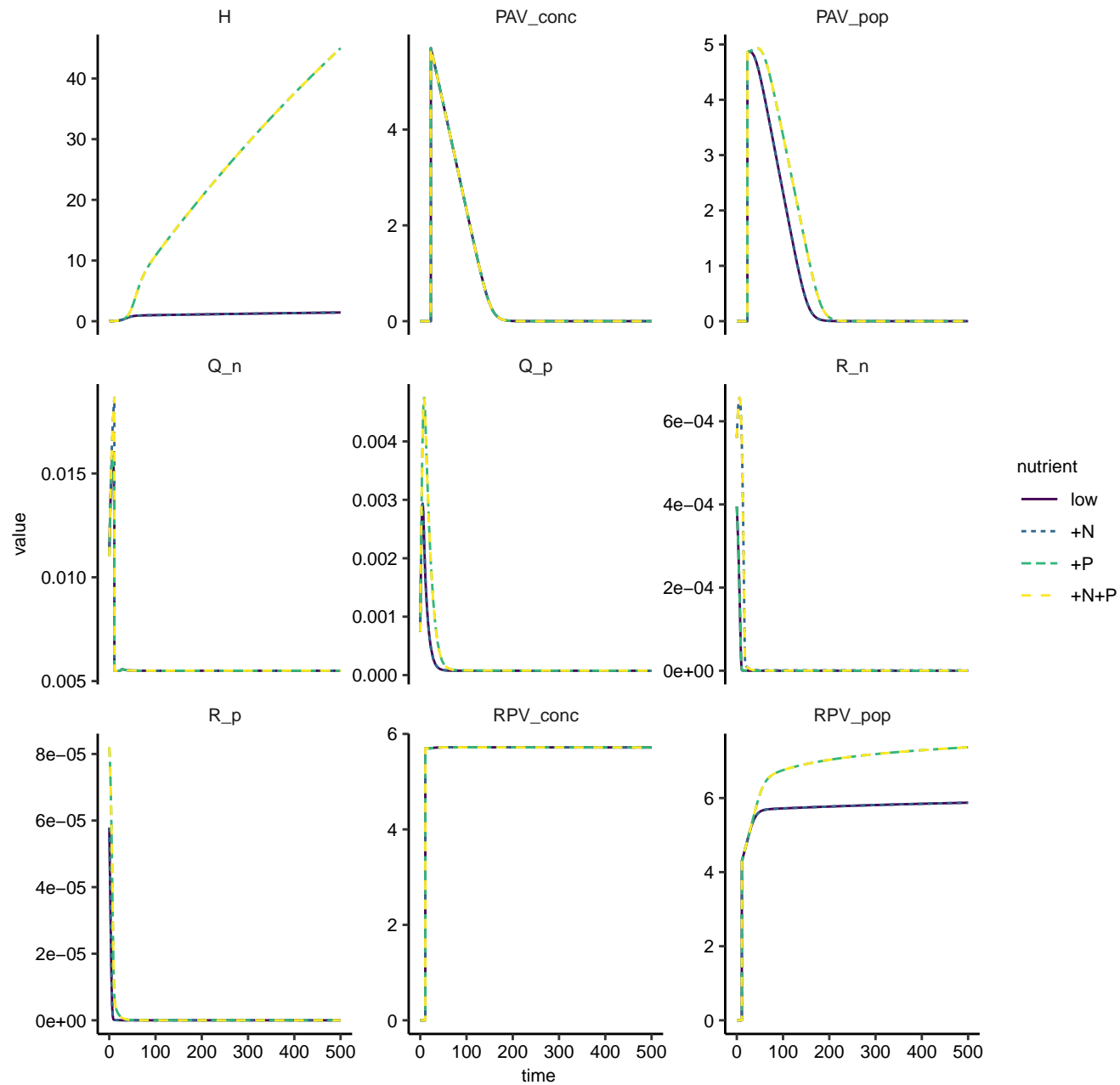
$z\_nb = 1e-04$ ;  $z\_nc = 0.000811130830789689$



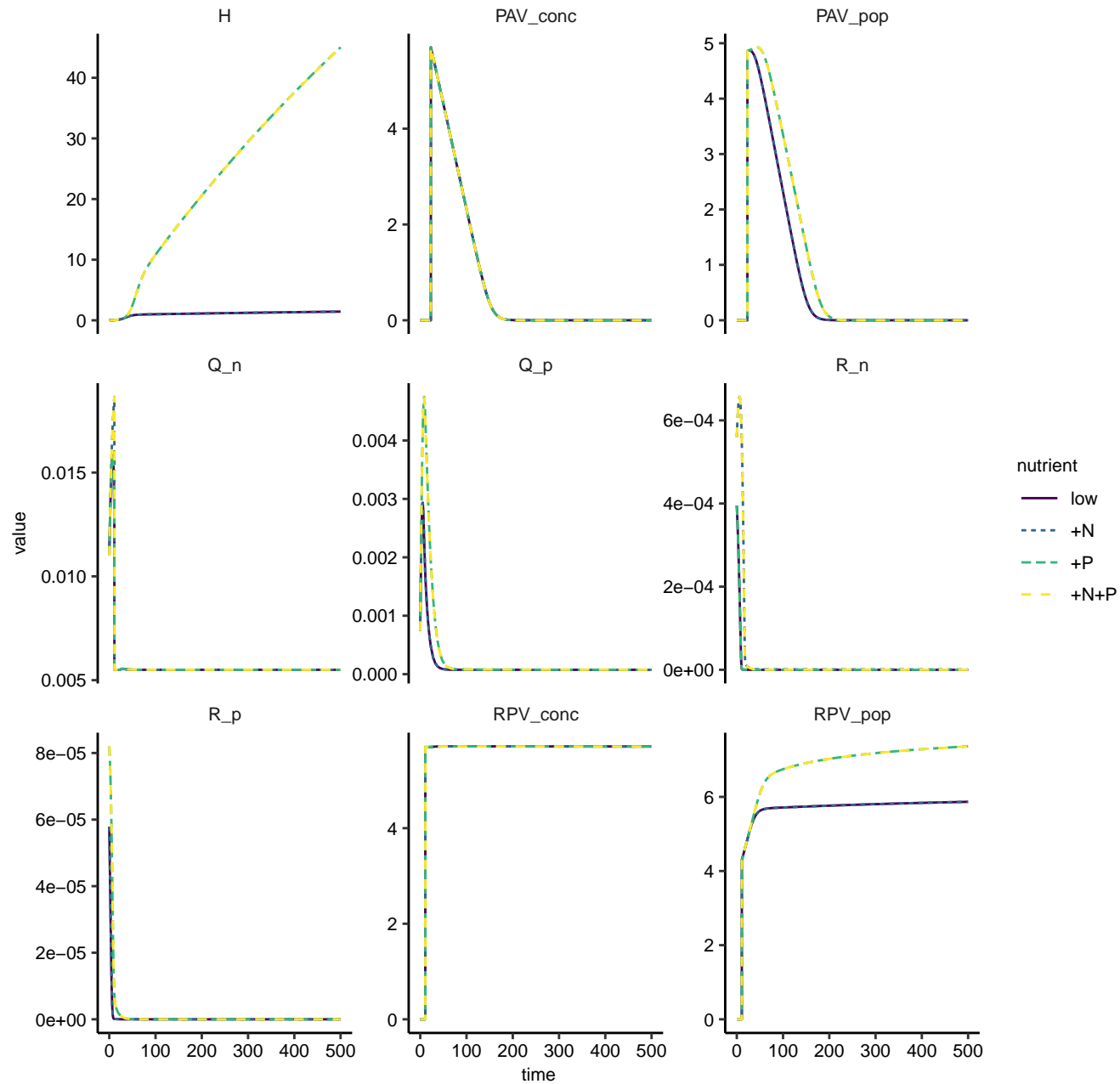
$z\_nb = 1e-04$ ;  $z\_nc = 0.00123284673944207$



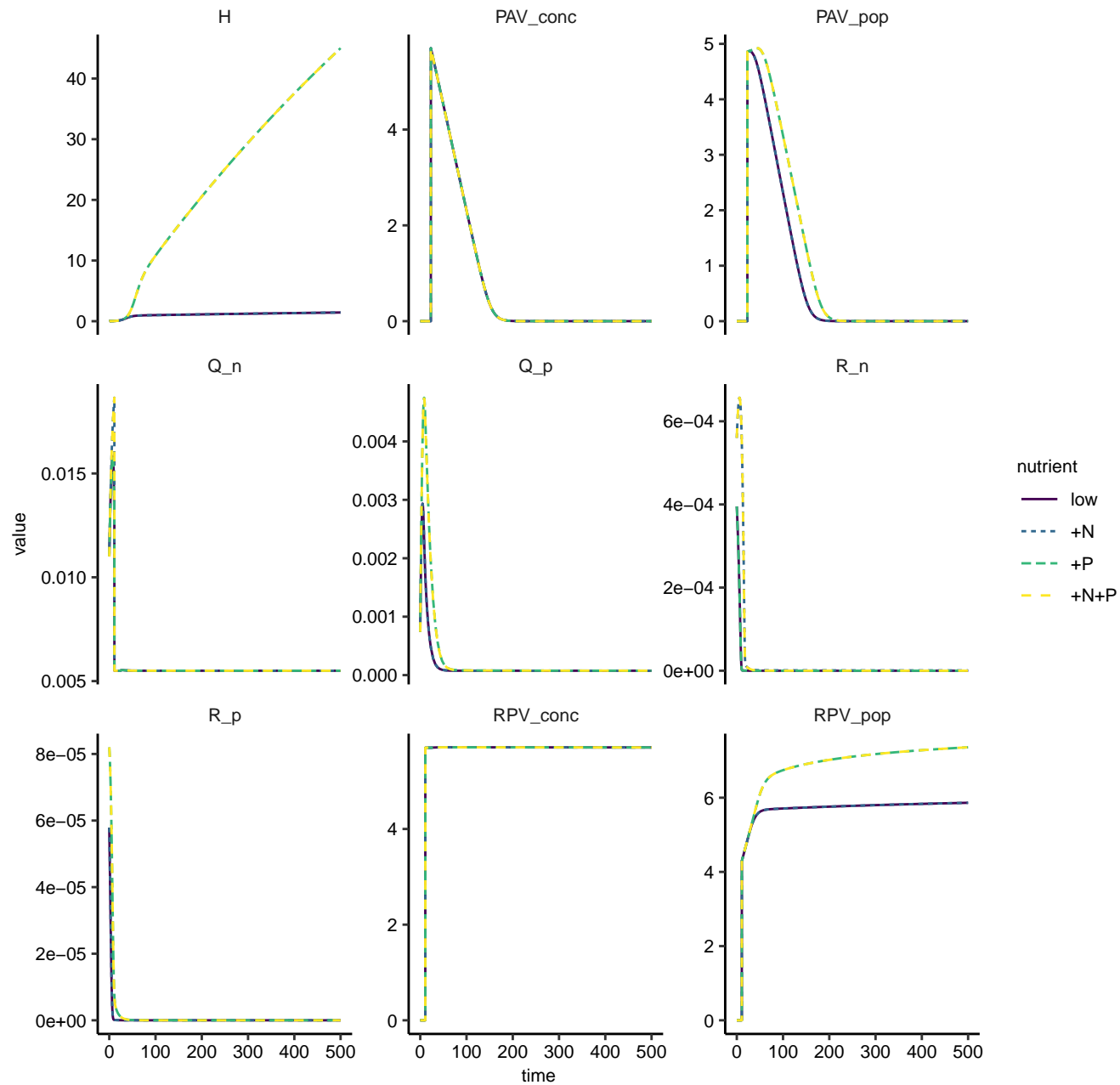
$z\_nb = 1e-04$ ;  $z\_nc = 0.00187381742286039$



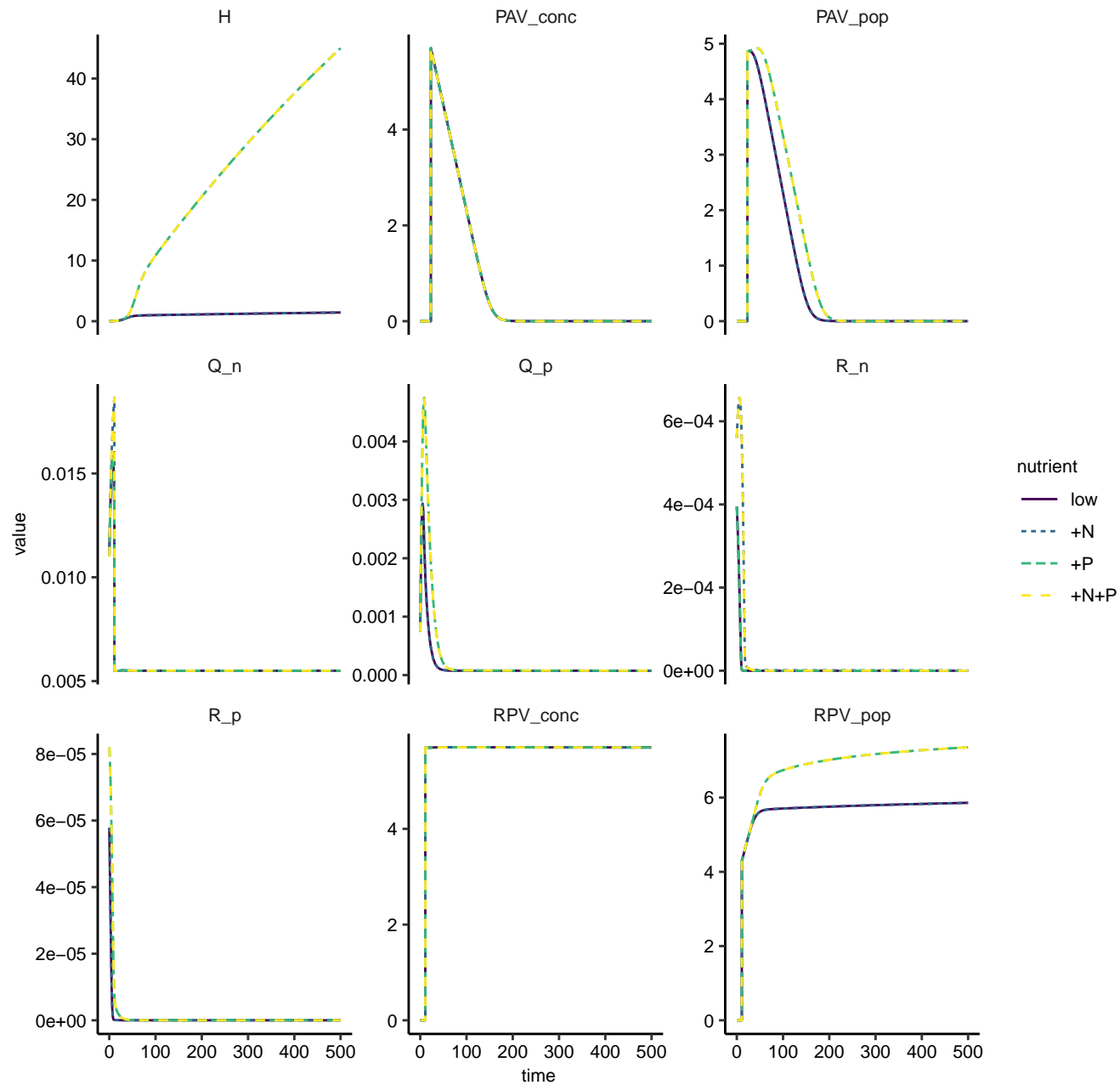
$z\_nb = 1e-04$ ;  $z\_nc = 0.0028480358684358$



$z_{nb} = 1e-04$ ;  $z_{nc} = 0.00432876128108306$



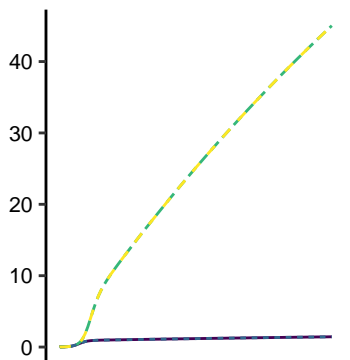
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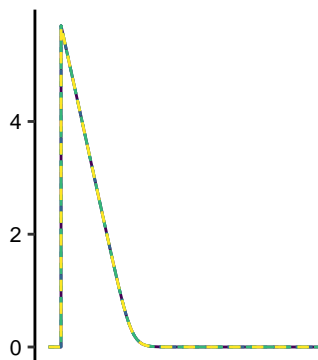


$z\_nb = 1e-04$ ;  $z\_nc = 0.01$

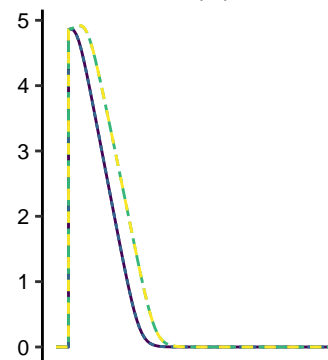
H



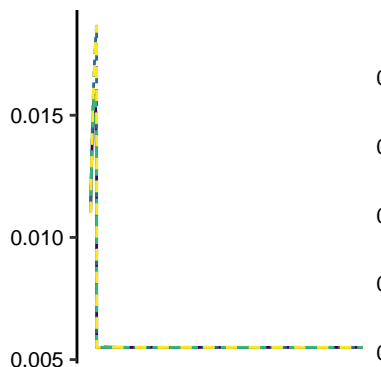
PAV\_conc



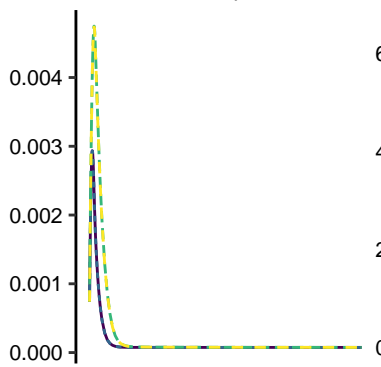
PAV\_pop



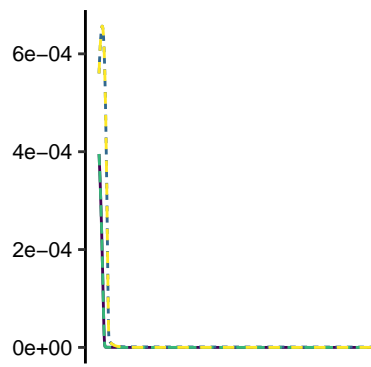
Q\_n



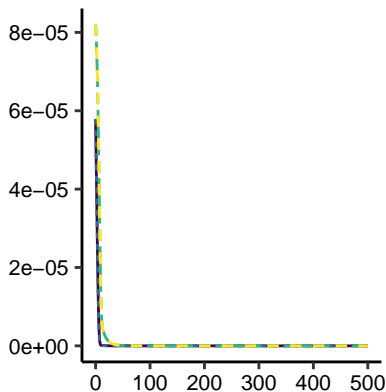
Q\_p



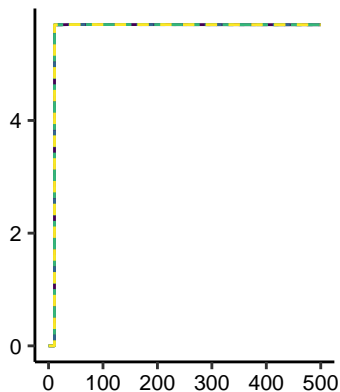
R\_n



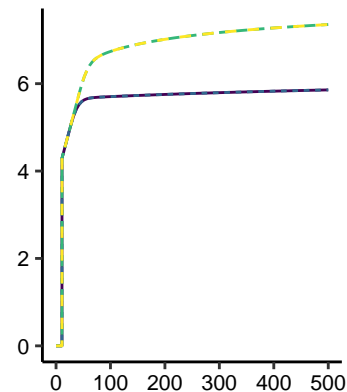
R\_p



RPV\_conc



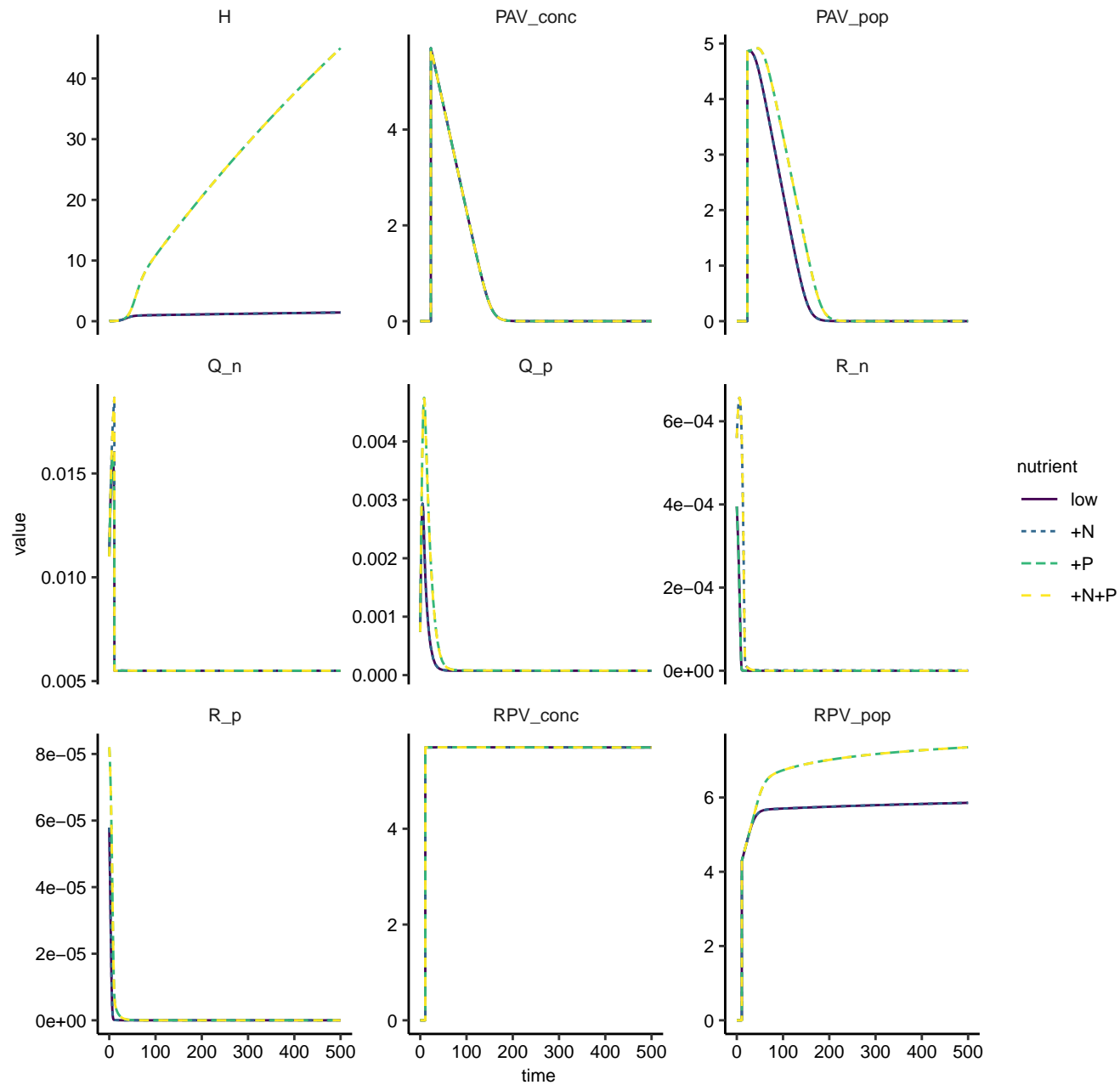
RPV\_pop



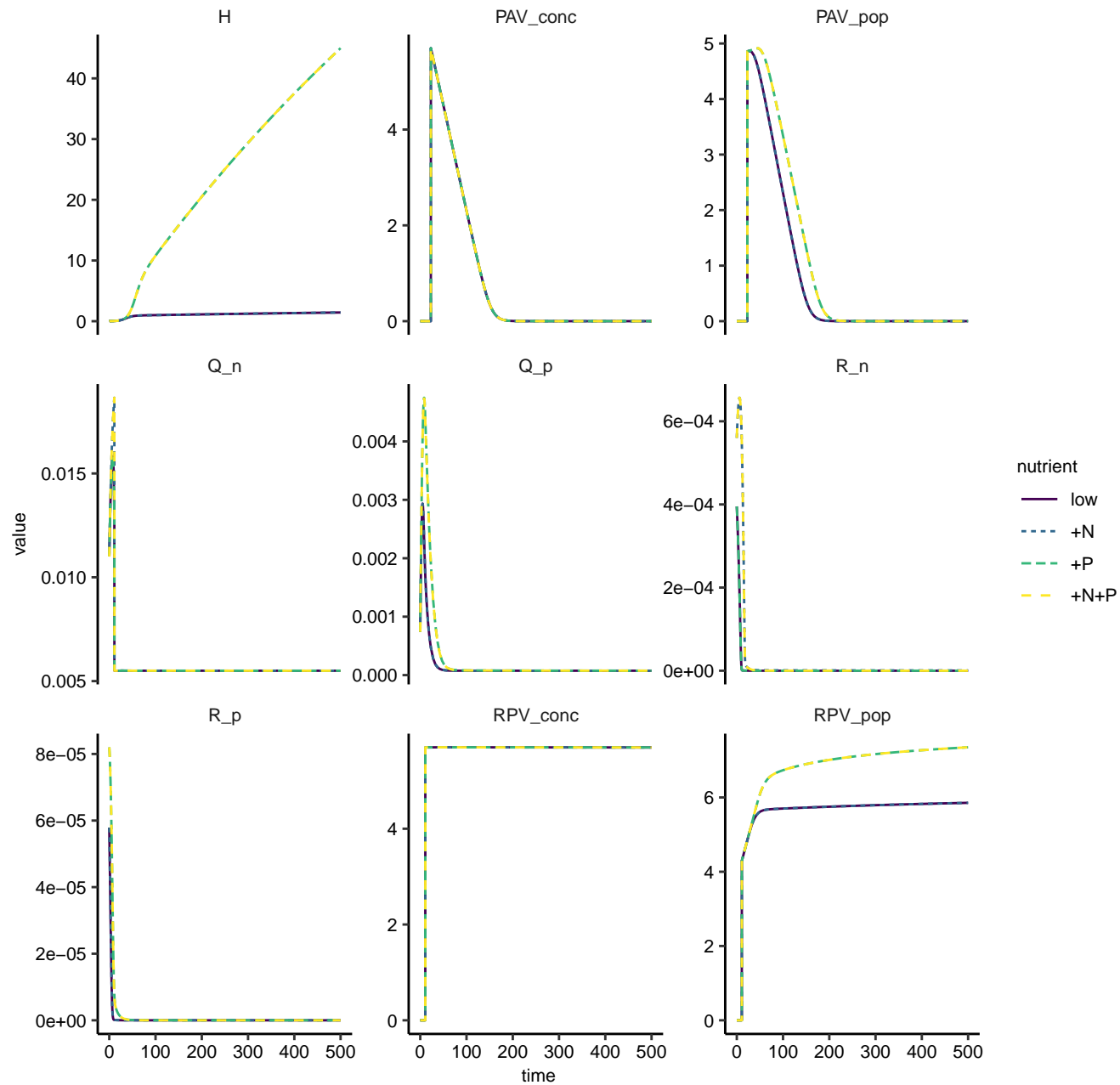
nutrient

- low
- +N
- +P
- +N+P

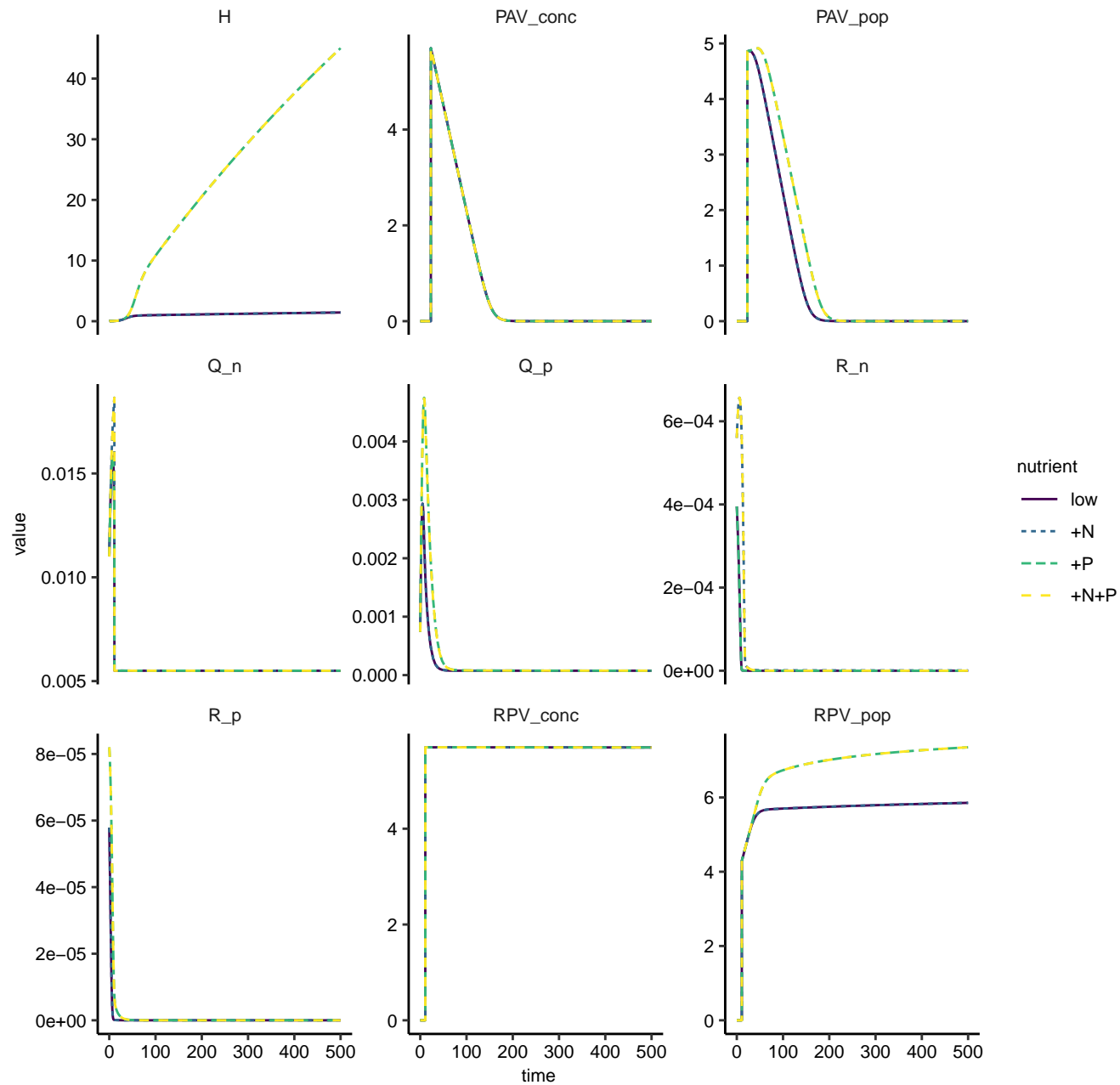
$z\_nb = 1e-04$ ;  $z\_nc = 0.0151991108295294$



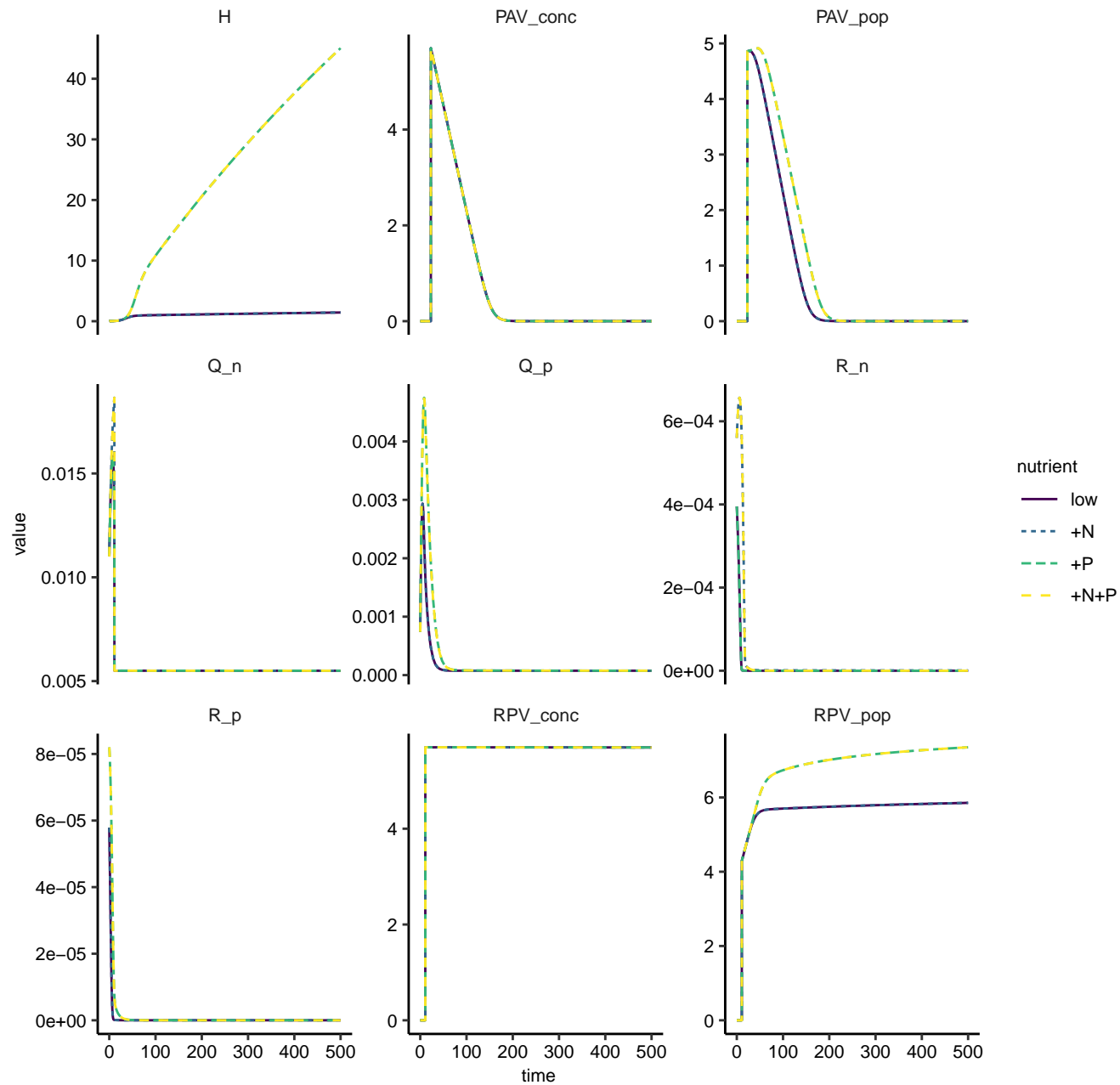
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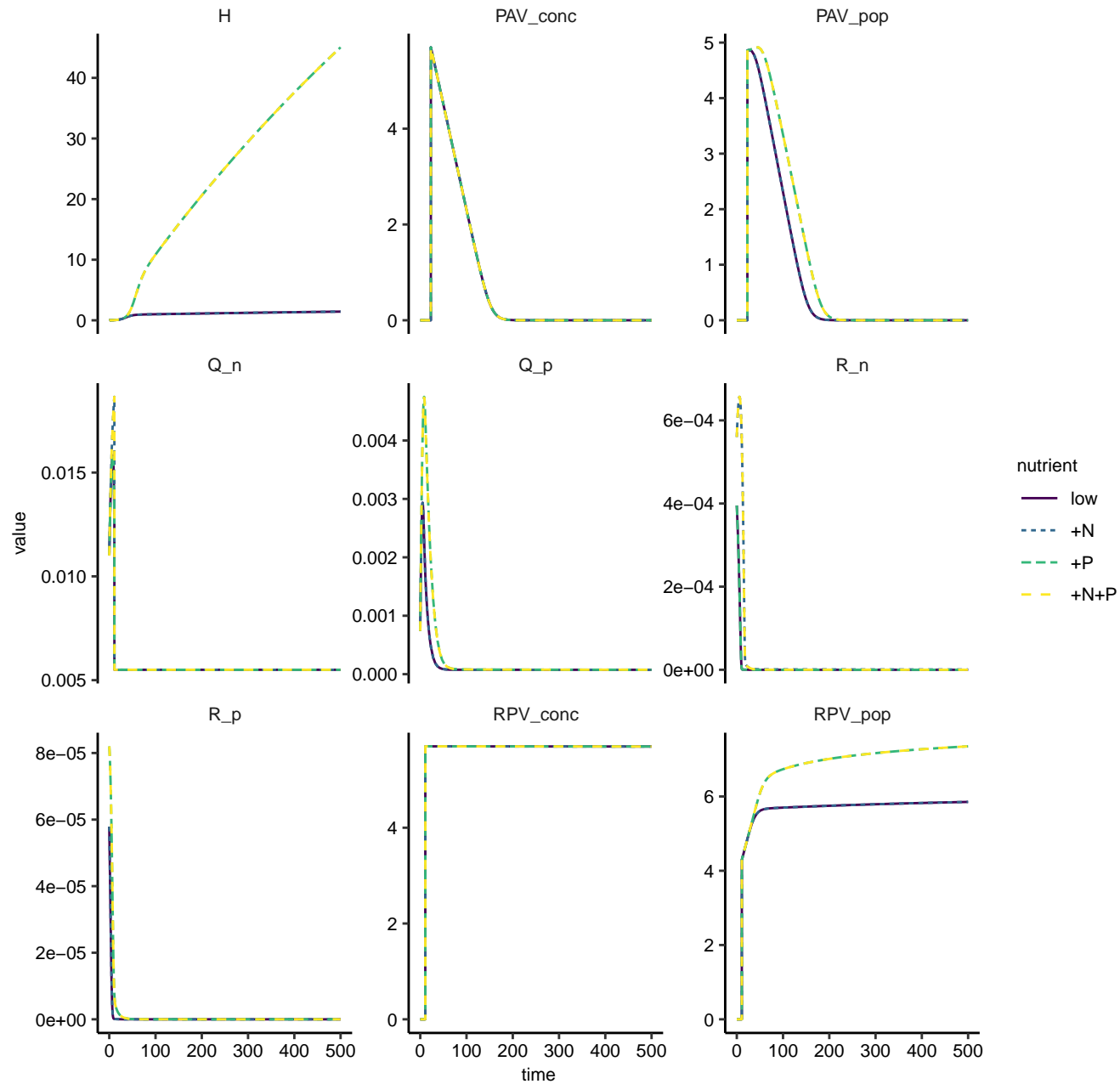
$z\_nb = 1e-04$ ;  $z\_nc = 0.0351119173421514$



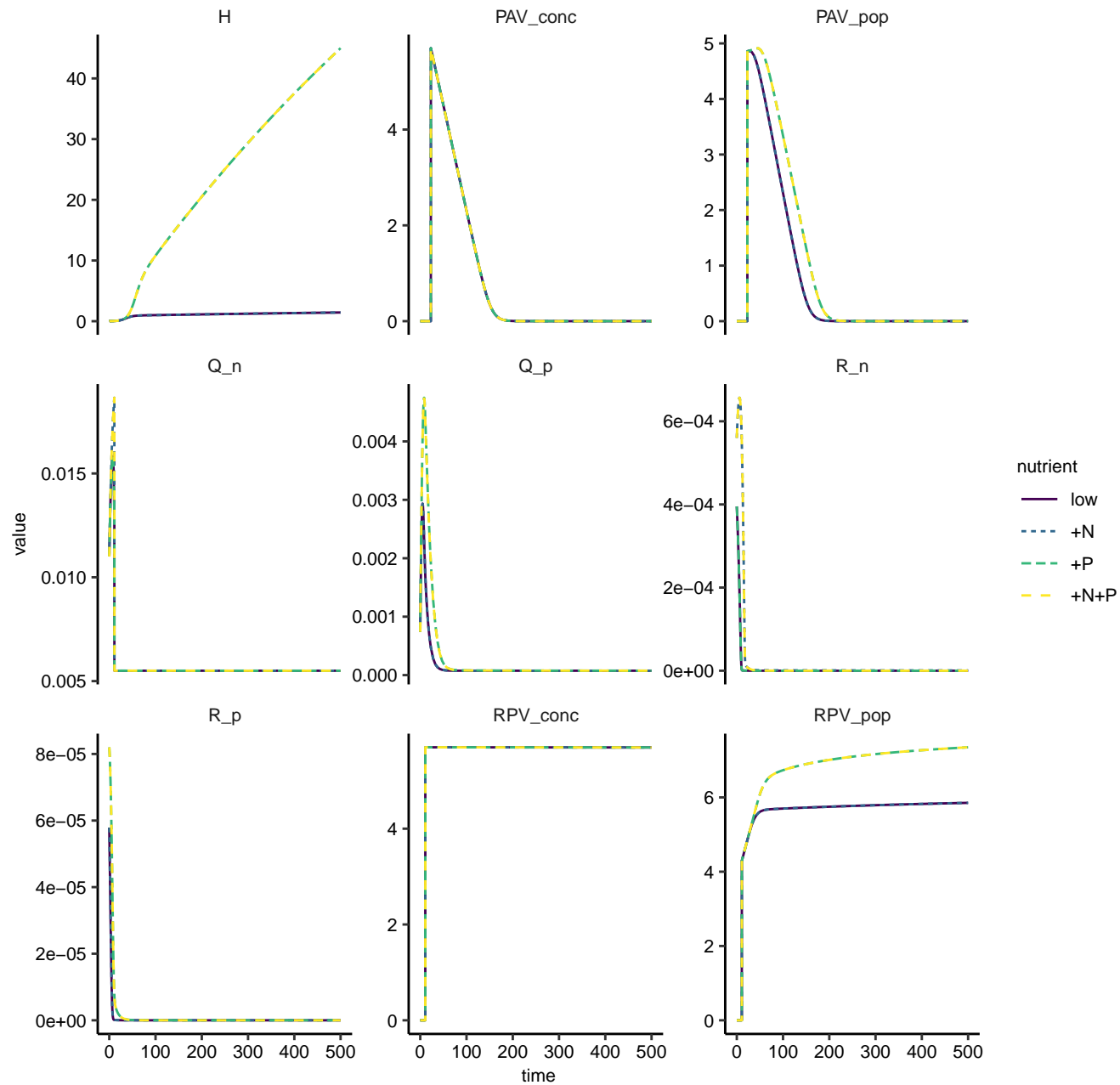
$z\_nb = 1e-04$ ;  $z\_nc = 0.053366992312063$



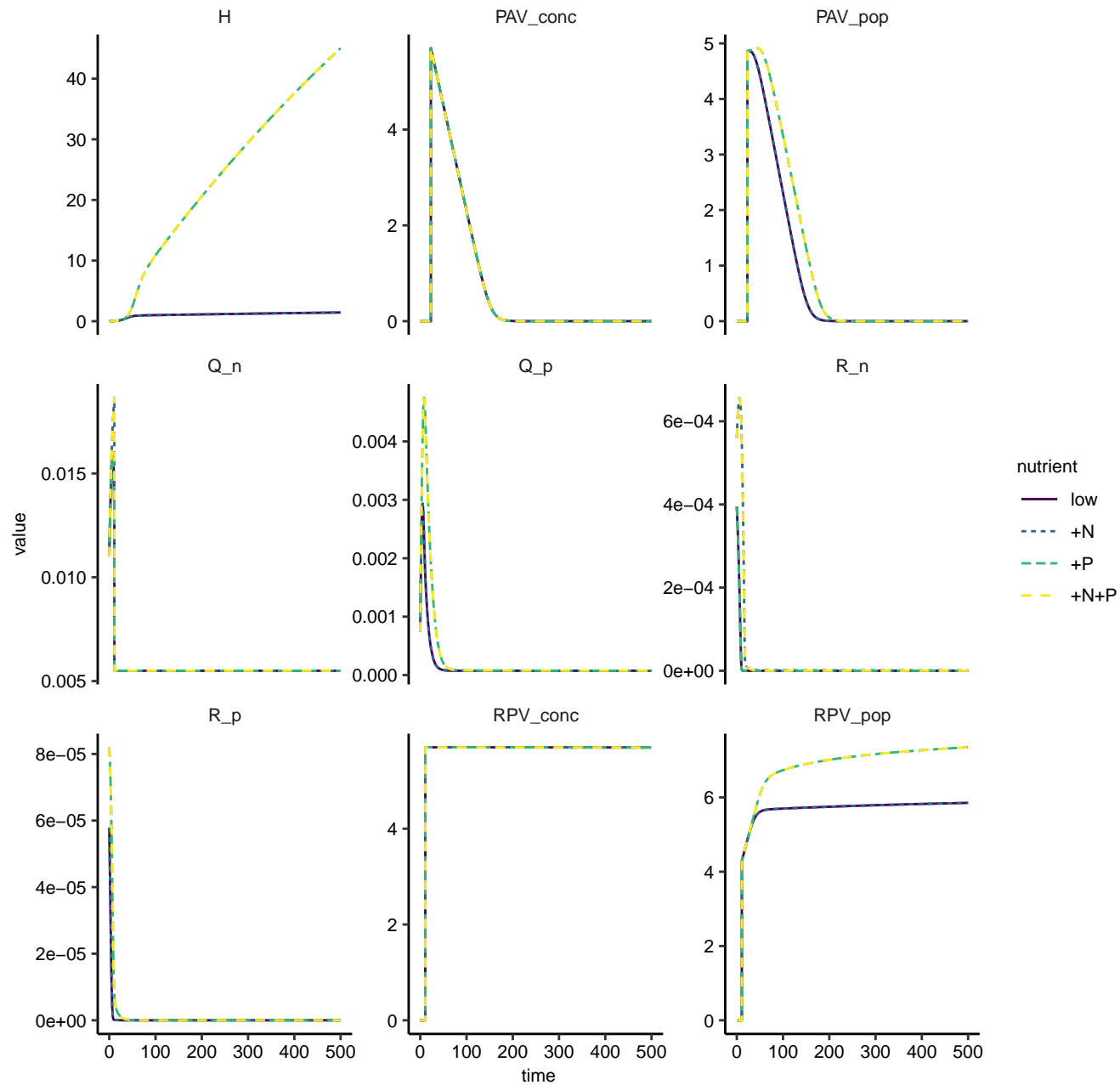
$z\_nb = 1e-04$ ;  $z\_nc = 0.0811130830789689$



$z\_nb = 1e-04$ ;  $z\_nc = 0.123284673944206$

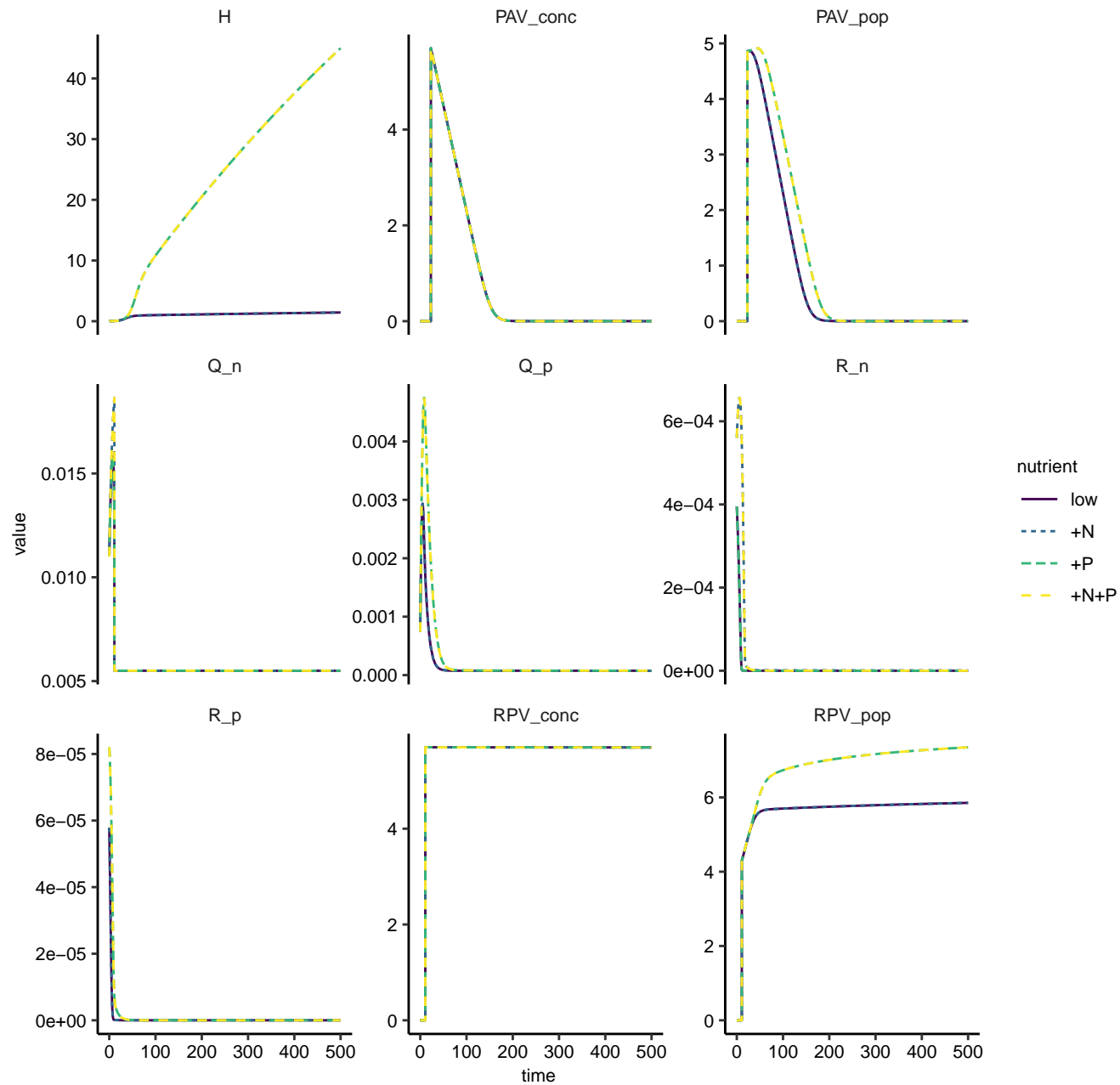


$z\_nb = 1e-04$ ;  $z\_nc = 0.187381742286039$

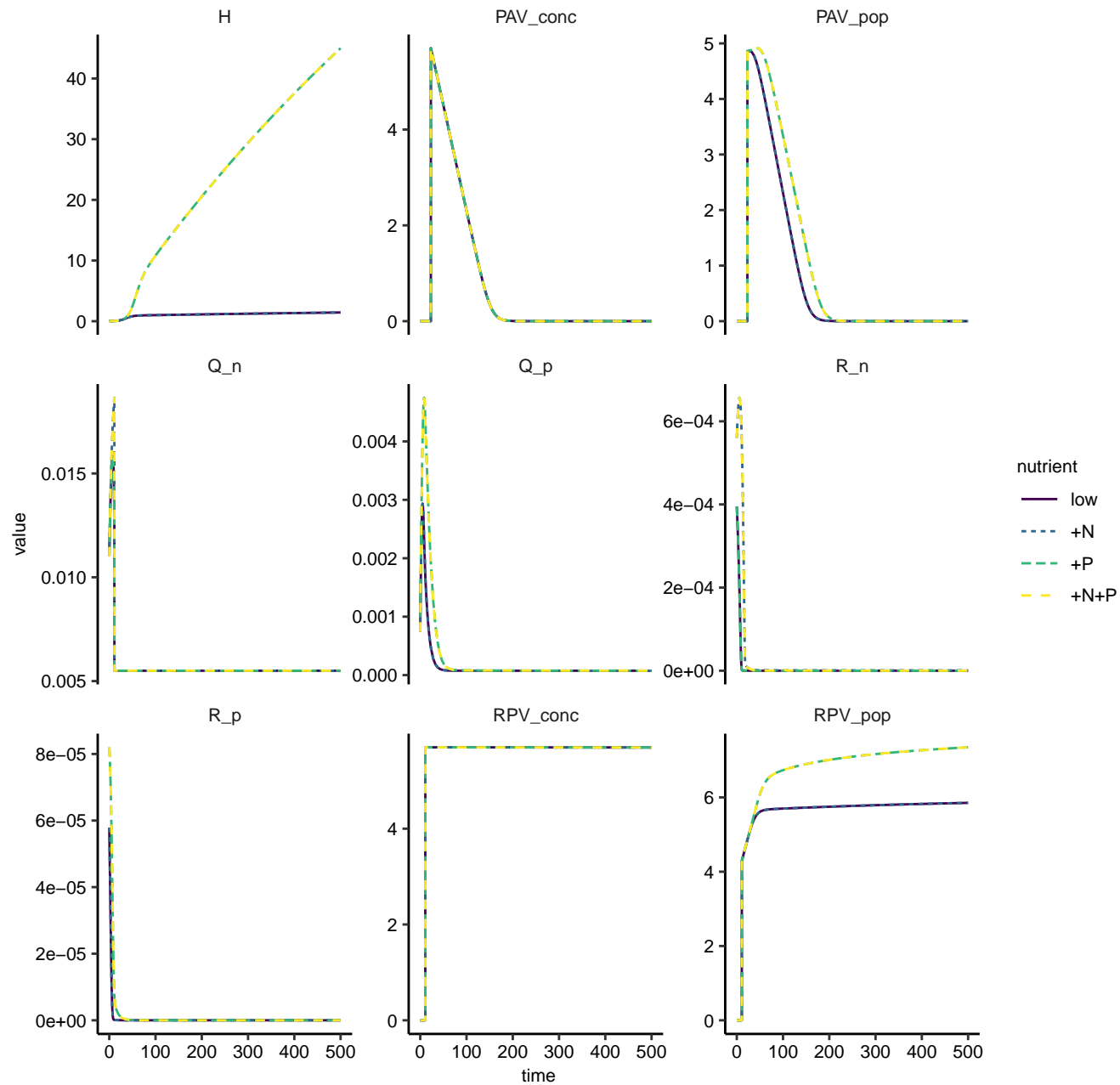




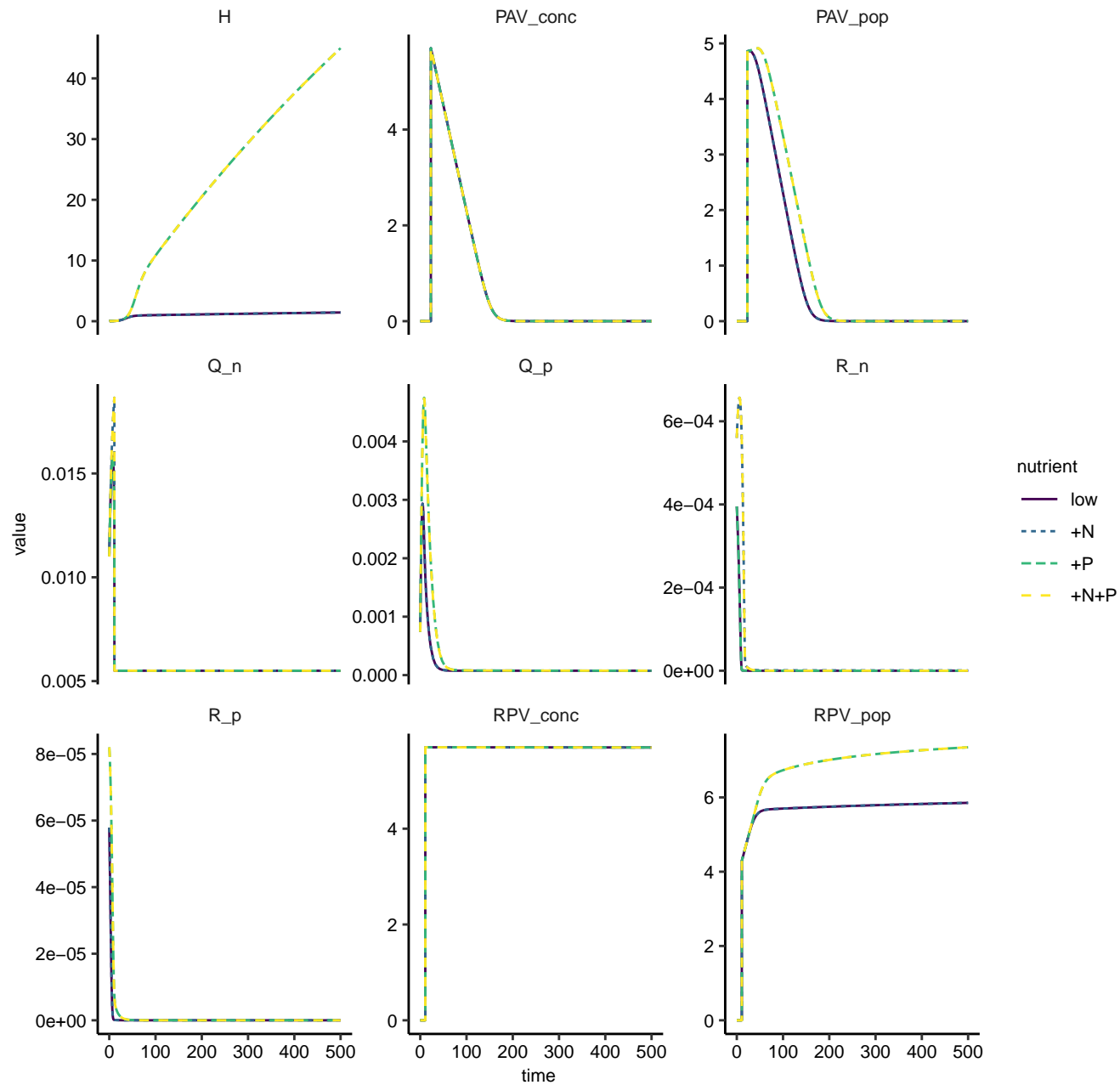
$z\_nb = 1e-04$ ;  $z\_nc = 0.284803586843579$



$z\_nb = 1e-04$ ;  $z\_nc = 0.432876128108306$

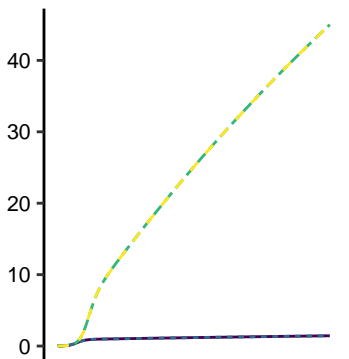


$z\_nb = 1e-04$ ;  $z\_nc = 0.657933224657571$

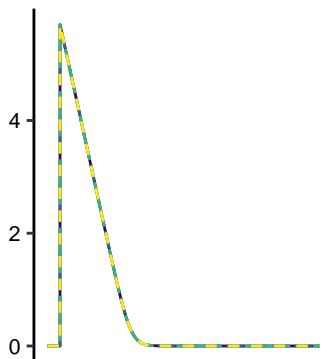


$z\_nb = 1e-04$ ;  $z\_nc = 1$

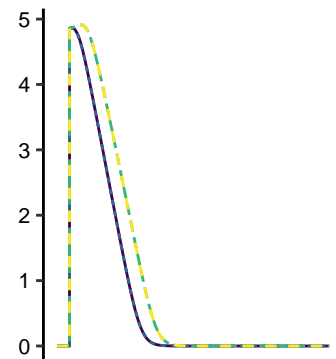
H



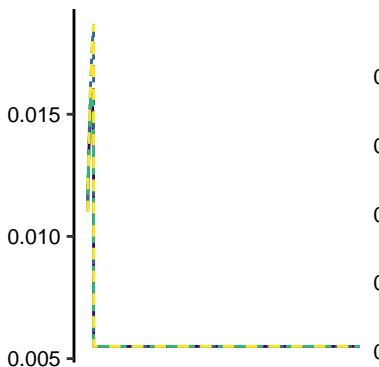
PAV\_conc



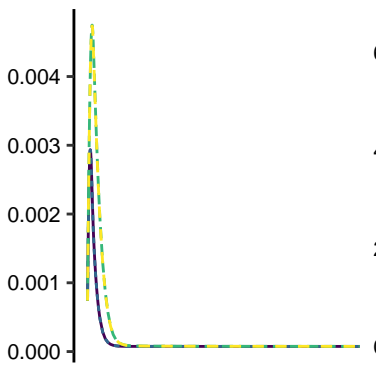
PAV\_pop



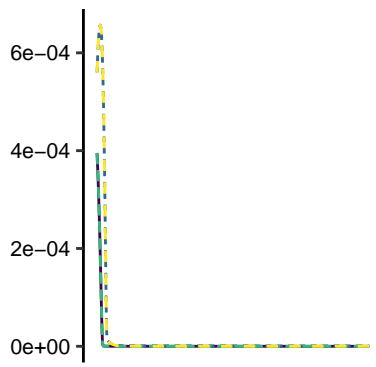
Q\_n



Q\_p



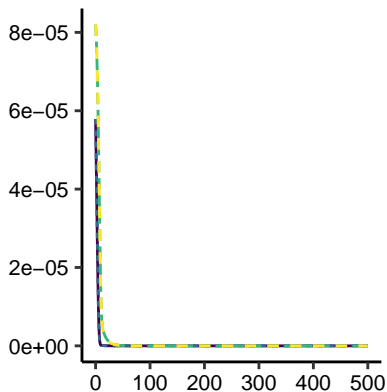
R\_n



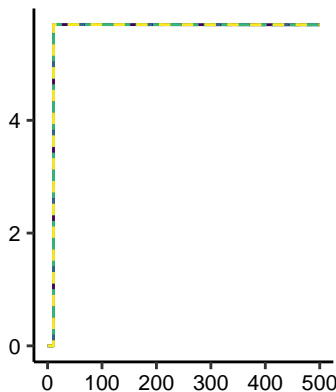
nutrient

- low
- +N
- +P
- +N+P

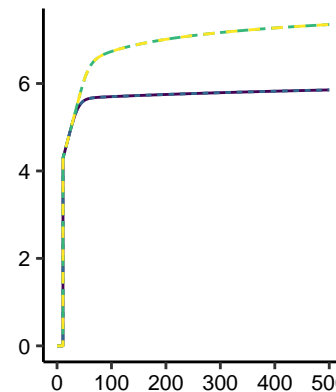
R\_p



RPV\_conc



RPV\_pop



time