## **Supporting Information**

## Dynamic Metabolic Modeling of Denitrifying Bacterial Growth: The

## **Cybernetic Approach**

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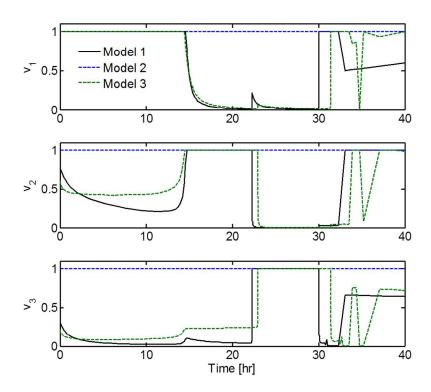
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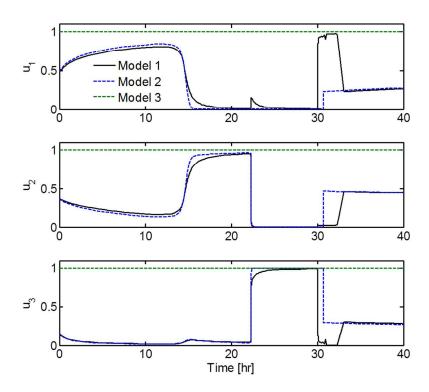
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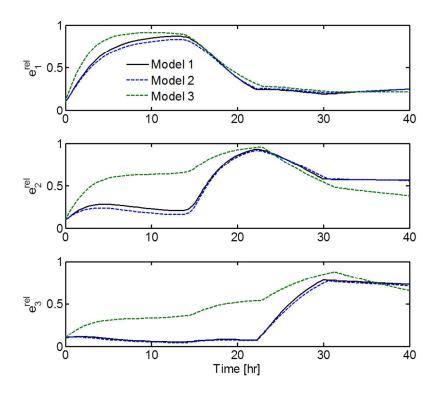
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**Figure S1.** Trajectories of the cybernetic variables  $v_1$ ,  $v_2$ , and  $v_3$  in Models 1, 2 and 3 defined in Table 2, respectively.



**Figure S2.** Trajectories of the cybernetic variables  $u_1$ ,  $u_2$ , and  $u_3$  in Models 1, 2 and 3 defined in Table 2, respectively.



**Figure S3.** Trajectories of relative enzyme levels  $e_1^{rel}$ ,  $e_2^{rel}$ , and  $e_3^{rel}$  in Models 1, 2 and 3 defined in Table 2, respectively.