BP4 AtoB BtoA p_1.1. p_2.1. 10.0 20 20 7.5 Blood 10 5.0 -10 0 2.5 -0 -10 Concentration (uM) 0.0 -10-200 -20· 150 -20 Value -30 Cell 100 p_3.1. p_4.1. 20 50 -20 10 10 10.0 0 7.5 Lumen -10· 5.0 2.5 --20 -10 0.0 12 16 20 20 . 24 2500 5000 7500 10000 12 16 24 0 8 8 Time Iteration 10² MAD = 0.02, Rho = 0.991.026 p_4 Predicted concentration 10¹ 1.028 p_3 Parameter Addition.Type AtoB 1.015 BtoA p_2 10⁰ -Compartment 1.014 p_1 Lumen

