a) Chemical Network b) Observation Process c) Reactions Structure

25 $\varnothing \xrightarrow{c_1} Z_1$ 20 $\varnothing \xrightarrow{c_2} Z_2$ $Z_1 + Z_2 \xrightarrow{c_3} \varnothing$ 15 10 5 $X_1 \xrightarrow{c_5} \varnothing$ 0.2 0.4 0.6 8.0 Time (s) d) Statistics Comparison 8 8 6 6 4 4 2 2 SSA Z₁ mean SSA Z₂ mean SSA Z_1 variance SSA Z₂ variance 0 Diffusion Z₁ mean ${\rm Diffusion}~{\rm Z_2}~{\rm mean}$ Diffusion Z₁ variance Diffusion Z_2 variance -2 ^{_}0 -2 0.2 0.4 0.6 0.8 0 0.2 0.4 0.6 1 8.0 1 Time (s)

