Weakly coupled system **Fully coupled system** $(\alpha, \beta = 0.2)$ $(\alpha, \beta = 1)$ (a) (d) Start of simulation Start of simulation 1.2 Branched network (-- Rac) Bundled network (-- Rho) 0.8 Concentration 0.8 0.6 0.2 10 **End of simulation End of simulation** (e) (b) Branched network (-- Rac) Branched network (-- Rac) 3.5 Bundled network (-- Rho) Bundled network (-- Rho) 6 3 Concentration 5 2.5 4 2 3 1.5 Location along the cell membrane (µm) Location along the cell membrane (µm) (f) (c) cell membrane (µm) Location along the 6 2 0 20 20 10 10 30 30 40 40

Time

Time