

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Collective migration of cells in an epithelial cell sheet on a flat substratum and NRA

File Name: Supplementary Movie 2

Description: Actin of marginal and sub-marginal cells in an epithelial cell sheet on NRA

File Name: Supplementary Movie 3

Description: α -microtubule of cells at the tip and convex region in the boundary of an epithelial cell sheet on NRA

File Name: Supplementary Movie 4

Description: Dissemination of 'tip' cells on NRA with EMT inducer, TGF β

File Name: Supplementary Movie 5

Description: Collective migration of control and YAPKD cells on NRA

File Name: Supplementary Movie 6

Description: Collective migration of control and YAPKD cells on NRA with E-cadherin inhibition

File Name: Supplementary Movie 7

Description: Collective migration of control and WT1KD cells on NRA the presence of the E-cadherin blocking antibody

File Name: Supplementary Movie 8

Description: Collective migration of control and YAPKD cells on NRA with Rac1 and TRIO inhibition

File Name: Supplementary Movie 9

Description: Collective migration of control and YAPOE cells on NRA with Rac1 and TRIO inhibition

File Name: Supplementary Movie 10

Description: Collective migration of control and MerlinKD cells on NRA with Rac1 inhibition

File Name: Supplementary Movie 11

Description: Collective migration of control and YAPKD cells on NRA with ROCK inhibition