

Supplementary Table S3. The dynamic patient with difference in regulation ratio parameters and secretion rate parameters

Regulation ratio parameters				
u_{LCC_IL-10}	u_{LCC_EGF}	u_{LCC_FGF}	u_{LCC_SDF1}	u_{cell_IL-6}
$u_{CAF_PDGF_p}$	$u_{CAF_MSC_PDGF}$	u_{M_MCP-1}	u_{M_VEGF}	$u_{M1_M_IFN-\gamma}$
$u_{M2_M_IL-10}$	$u_{M2_M_PGE2}$	$u_{M1_M2_IFN-\gamma}$	u_{M1_M2}	$u_{IL-8_IL-1\beta_Epith}$
u_{IL-10_EGF}	$u_{VEGF_TGF-\beta_CAF}$	$u_{M-CSF_IL-1\beta}$	$u_{GM-CSF_IL-1\beta}$	

Secretion rate parameters				
$k_{IL-1\beta_LCC}$	k_{IL-6_CAF}	k_{IL-6_Epith}	k_{IL-8_MSC}	k_{IL-8_Epith}
k_{VEGF_CAF}	k_{VEGF_MSC}	k_{PDGF_MSC}	k_{FGF_MSC}	$k_{TNF-\alpha_M1}$