

Supplementary Table S1. Three patients with difference in secretion rate parameters

	Patient1	Patient2	Patient3
$k_{IL-1\beta_LCC}$	60	30	10
$k_{IL-1\beta_M1}$	34	17	8
k_{IL-6_CAF}	30	60	10
k_{IL-6_M1}	30	15	90
k_{IL-6_MSC}	40	20	10
k_{IL-6_Epith}	1	2	0.2
k_{IL-8_LCC}	122	90	30
k_{IL-8_CAF}	60	30	10
k_{IL-8_MSC}	60	15	30
k_{IL-8_Epith}	2	8	4
k_{IL-10_LCC}	40	20	80
k_{IL-10_M2}	120	100	50
k_{VEGF_LCC}	30	45	10
k_{VEGF_CAF}	90	60	45
k_{VEGF_M2}	90	45	60
k_{VEGF_MSC}	60	90	45
k_{VEGF_Epith}	2	2	2
k_{PDGF_LCC}	30	45	90
k_{PDGF_MSC}	60	60	60
k_{PDGF_Epith}	2	1	5
k_{EGF_LCC}	150	100	50
k_{EGF_M2}	90	50	20
k_{FGF_LCC}	60	90	20
k_{FGF_CAF}	104	80	150
k_{FGF_MSC}	30	60	110

k_{HGF_CAF}	30	60	110
k_{IGF-1_M1}	40	30	10
k_{IGF-1_M2}	80	15	30
k_{PGE2_LCC}	800	1000	1500
$k_{TGF-\beta_LCC}$	60	90	150
$k_{TGF-\beta_CAF}$	60	90	150
$k_{TGF-\beta_M2}$	10	25	60
$k_{TGF-\beta_Epith}$	0.5	0.1	2
k_{SDF-1_LCC}	93.1	60	20
k_{SDF-1_CAF}	23.68	40	90
k_{M-CSF_Epith}	1	2	0.5
k_{GM-CSF_LCC}	100	70	25
k_{GM-CSF_Epith}	0.5	1	3
k_{MCP-1_CAF}	30	60	120
k_{IFNg_T}	161.76	200	300
$k_{TNF\alpha_M1}$	98.04	30	60
$k_{TNF\alpha_CAF}$	30	60	110