**Supplementary Table S5. Three virtual patients with different cytokine secretion rates profiles**

**(Unit: 10-21mol h-1)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Patient #1 | Patient #2 | Patient #3 |
| *k*IL1\_glio | 60 | 20 | 15 |
| *k*IL1\_micro | 30 | 15 | 15 |
| *k*IL1\_astro | 5 | 3 | 1 |
| *k*IL6\_glio | 60 | 20 | 10 |
| *k*IL6\_micro | 100 | 50 | 20 |
| *k*IL6\_astro | 10 | 5 | 1 |
| *k*IL10\_micro | 10 | 40 | 90 |
| *k*TNFα\_micro | 10 | 20 | 40 |
| *k*TNFα\_astro | 1 | 2 | 4 |
| *k*TGFβ\_ASC | 0.15 | 0.15 | 0.15 |
| *k*TGFβ\_glio | 10 | 40 | 110 |
| *k*TGFβ\_micro | 15 | 50 | 90 |
| *k*EGF\_glio | 10 | 60 | 100 |
| *k*EGF\_micro | 10 | 60 | 100 |
| *k*VEGF\_ASC | 30 | 30 | 30 |
| *k*VEGF\_glio | 90 | 60 | 30 |
| *k*VEGF\_micro | 90 | 60 | 30 |
| *k*FGF\_ASC | 60 | 60 | 120 |
| *k*FGF\_glio | 60 | 60 | 120 |
| *k*HGF\_glio | 90 | 20 | 10 |
| *k*HGF\_micro | 90 | 60 | 40 |
| *k*MCP1\_glio | 90 | 90 | 90 |
| *k*MIF\_glio | 40 | 15 | 5 |
| *k*MIF\_micro | 30 | 10 | 5 |
| *k*PGE2\_micro | 10 | 30 | 40 |
| *k*GMCSF\_glio | 60 | 60 | 60 |
| *k*GMCSF\_micro | 60 | 60 | 60 |
| *k*GCSF\_glio | 10 | 50 | 100 |
| *k*SCF\_glio | 10 | 70 | 120 |
| *k*SCF\_micro | 10 | 70 | 100 |