| Table S2. The proportion of immune cells infiltrating (%) according to ImmuCellAI-mouse. |
|---------------------------------------------------------------|
| id | GSM4874 400 | GSM4874 4001 | GSM4874 4002 | GSM4874 4003 | GSM4874 4004 | GSM4874 4005 | GSM4874 4006 | GSM4874 4007 |
| B_cell_cells | 5.93 | 4.79 | 5.2 | 8.73 | 1.69 | 3.54 | 1.72 | 2.13 |
| Dendritic_cells | 21.92 | 23.41 | 23.78 | 23.49 | 20.77 | 19.78 | 20.8 | 19.54 |
| Granulocytes_cells | 22.86 | 24.27 | 20.86 | 24.3 | 25.53 | 25.53 | 27.16 | 26.04 |
| Macrophage_cells | 3.72 | 4.41 | 3.74 | 3.56 | 7.14 | 7.02 | 9.7 | 8.58 |
| Monocytes_cells | 0.68 | 0.54 | 1.46 | 0.7 | 10.31 | 6.15 | 6.57 | 8.63 |
| NK_cells | 25.12 | 21.74 | 24.49 | 21.23 | 16.38 | 22.3 | 20.7 | 19.02 |
| T_cell_cells | 19.77 | 20.83 | 20.48 | 18 | 18.18 | 15.68 | 13.35 | 16.06 |
| CD4_T_cell_cells | 9.04 | 9.52 | 9.58 | 7.92 | 8.28 | 6.97 | 6.08 | 6.73 |
| CD8_T_cell_cells | 4.28 | 4.08 | 4.24 | 4 | 2.93 | 2.54 | 2.36 | 2.82 |
| NKT_cells | 4.45 | 4.56 | 3.86 | 4.11 | 5.04 | 4.41 | 4.22 | 4.81 |
| Tgd_cells | 1.99 | 2.67 | 2.8 | 1.98 | 1.93 | 1.77 | 0.7 | 1.7 |
| B1_cell_cells | 1.55 | 1.27 | 1.4 | 2.16 | 0.5 | 1.05 | 0.51 | 0.64 |
| Follicular_B_cell | 0.48 | 0.09 | 0.2 | 0.3 | 0.03 | 0.09 | 0.08 | 0.08 |
| Germinal_center_B_cells | 0.86 | 0.74 | 0.76 | 1.54 | 0.26 | 0.49 | 0.24 | 0.27 |
| Marginal_Zone_B_cells | 0.79 | 0.59 | 0.76 | 1.2 | 0.25 | 0.56 | 0.22 | 0.27 |
| Memory_B_cells | 1.06 | 1 | 0.94 | 1.82 | 0.31 | 0.63 | 0.32 | 0.4 |
| Plasma_cell_cells | 1.18 | 1.1 | 1.13 | 1.71 | 0.34 | 0.72 | 0.35 | 0.47 |
| cDC1_cells | 17.35 | 15.48 | 14.53 | 17.51 | 9.47 | 8.68 | 9.08 | 8.54 |
| cDC2_cells | 0.33 | 1.7 | 1.2 | 0.05 | 2.22 | 1.92 | 2.37 | 1.72 |
| MoDC_cells | 3.15 | 4.16 | 5.99 | 3.97 | 6.15 | 6.25 | 6.27 | 6.07 |
| pDC_cells | 1.09 | 2.08 | 2.06 | 1.96 | 2.92 | 2.93 | 3.08 | 3.21 |
| Basophil_cells | 6.6 | 6.66 | 5.85 | 6.22 | 5.63 | 6.85 | 6.28 | 6.75 |
| Eosinophil_cells | 4.73 | 4.35 | 4.01 | 3.72 | 3.81 | 3.65 | 3.89 | 4.21 |
|                      | 1.77  | 1.73  | 1.89  | 3.59  | 1.07  | 1.34  | 1.78  | 1.2  |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-----|
| mast_cell_cells      | 9.77  | 11.53 | 9.11  | 10.77 | 15.02 | 13.7  | 15.2  | 13.88|
| Neutrophils_cells    | 1.48  | 2.38  | 1.75  | 1.31  | 4.74  | 4.59  | 7.24  | 6.36 |
| M1_macrophage_cells  | 2.24  | 2.03  | 1.99  | 2.25  | 2.4   | 2.43  | 2.46  | 2.22 |
| M2_macrophage_cells  | 1.93  | 2.03  | 2.05  | 1.69  | 1.77  | 1.49  | 1.3   | 1.44 |
| CD4_Tm_cells         | 2.62  | 2.76  | 2.77  | 2.29  | 2.4   | 2.02  | 1.76  | 1.95 |
| Naive_CD4_T_cells    | 0.46  | 0.49  | 0.49  | 0.4   | 0.42  | 0.36  | 0.31  | 0.34 |
| T Helper_cell_cells  | 1.27  | 1.21  | 1.26  | 1.19  | 0.87  | 0.75  | 0.7   | 0.83 |
| Treg_cells           | 0.68  | 0.65  | 0.68  | 0.64  | 0.47  | 0.41  | 0.38  | 0.45 |
| CD8_Tc_cells         | 1.32  | 1.26  | 1.31  | 1.23  | 0.9   | 0.78  | 0.73  | 0.87 |
| CD8_Tcm_cells        | 0.72  | 0.69  | 0.72  | 0.67  | 0.49  | 0.43  | 0.4   | 0.47 |
| CD8_Tem_cells        | 0.29  | 0.27  | 0.29  | 0.27  | 0.2   | 0.17  | 0.16  | 0.19 |
| Infiltration_score_cells | 19.1  | 10    | 17.2  | 13    | 41.2  | 42.9  | 46.6  | 23.1 |