

Table S1 The profile of immune cell infiltration analysis at different platforms

Immune	Correlation	P value
B cell_TIMER	-0.19090447	0.000221
Macrophage_TIMER	0.314212935	6.38E-10
T cell CD8 ⁺ _CIBERSORT	-0.27287886	9.68E-08
T cell CD4 ⁺ memory activated_CIBERSORT	-0.1897729	0.00024121
T cell follicular helper_CIBERSORT	-0.29379454	8.42E-09
T cell regulatory (Tregs)_CIBERSORT	-0.15708663	0.00244366
Monocyte_CIBERSORT	0.163104051	0.00164471
Macrophage M1_CIBERSORT	-0.12424613	0.01679764
Macrophage M2_CIBERSORT	0.274776892	7.82E-08
Eosinophil_CIBERSORT	0.108396196	0.03714817
Neutrophil_CIBERSORT	0.163110106	0.00164405
T cell CD8 ⁺ _CIBERSORT-ABS	-0.22226498	1.60E-05
T cell CD4 ⁺ memory activated_CIBERSORT-ABS	-0.19103103	0.00021884
T cell follicular helper_CIBERSORT-ABS	-0.26517741	2.26E-07
T cell regulatory (Tregs)_CIBERSORT-ABS	-0.16989438	0.0010351
NK cell activated_CIBERSORT-ABS	-0.10974783	0.03483451
Monocyte_CIBERSORT-ABS	0.147514297	0.00446259
Macrophage M1_CIBERSORT-ABS	-0.1090371	0.03603535
Macrophage M2_CIBERSORT-ABS	0.192026155	0.00020253
Eosinophil_CIBERSORT-ABS	0.109312712	0.03556557
Neutrophil_CIBERSORT-ABS	0.1637668	0.00157323
B cell_QUANTISEQ	-0.11809481	0.02309448
T cell CD4 ⁺ (non-regulatory) QUANTISEQ	0.231985546	6.52E-06
T cell CD8 ⁺ _QUANTISEQ	-0.24011997	2.99E-06
T cell regulatory (Tregs)_QUANTISEQ	-0.15199042	0.00338148
T cell_MCPCOUNTER	-0.25679262	5.53E-07
T cell CD8 ⁺ _MCPCOUNTER	-0.21947892	2.05E-05
Cytotoxicity score_MCPCOUNTER	-0.18555407	0.00033279
NK cell_MCPCOUNTER	-0.20167352	9.37E-05
B cell_MCPCOUNTER	-0.13667133	0.00847857
Monocyte_MCPCOUNTER	0.106012485	0.0415462
Macrophage/Monocyte_MCPCOUNTER	0.106012485	0.0415462
Myeloid dendritic cell_MCPCOUNTER	0.10298113	0.04776597
Neutrophil_MCPCOUNTER	0.131964203	0.01105629
Endothelial cell_MCPCOUNTER	0.215157958	3.00E-05
Cancer associated fibroblast_MCPCOUNTER	0.36963149	2.02E-13
B cell_XCELL	-0.27303742	9.51E-08
T cell CD4 ⁺ memory_XCELL	-0.28852188	1.59E-08
T cell CD4 ⁺ naive_XCELL	-0.21600069	2.79E-05
T cell CD8 ⁺ naive_XCELL	-0.214622	3.14E-05
T cell CD8 ⁺ _XCELL	-0.2800328	4.29E-08
T cell CD8 ⁺ central memory_XCELL	-0.28258068	3.20E-08
T cell CD8 ⁺ effector memory_XCELL	-0.31807149	3.83E-10
Class-switched memory B cell_XCELL	-0.31647033	4.74E-10
Endothelial cell_XCELL	0.24482686	1.88E-06
Cancer associated fibroblast_XCELL	0.302340298	2.93E-09
Granulocyte-monocyte progenitor_XCELL	0.10570569	0.04214292
Hematopoietic stem cell_XCELL	0.259623977	4.10E-07
Mast cell_XCELL	-0.13953276	0.00718714
B cell memory_XCELL	-0.25915915	4.31E-07
Monocyte_XCELL	0.248141216	1.35E-06
B cell naive_XCELL	-0.21978768	1.99E-05
Neutrophil_XCELL	0.203885787	7.81E-05
Plasmacytoid dendritic cell_XCELL	-0.28299672	3.05E-08
B cell plasma_XCELL	-0.31176947	8.78E-10
T cell gamma delta_XCELL	-0.19461716	0.00016526
T cell CD4 ⁺ Th1_XCELL	-0.25457256	6.97E-07
T cell CD4 ⁺ Th2_XCELL	-0.18230608	0.00042438
Immune score_XCELL	-0.13860651	0.0075845
Stroma score_XCELL	0.300670524	3.61E-09
B cell_EPIC	-0.17510075	0.00071723
Cancer associated fibroblast_EPIC	0.27823172	5.28E-08
T cell CD8 ⁺ _EPIC	-0.10230144	0.04926272
Endothelial cell_EPIC	0.205839068	6.64E-05
Uncharacterized cell_EPIC	-0.20995049	4.70E-05