

Table SI. Expression of agrin correlates with neutrophil infiltration in patients with THCA.

Infiltrate	ρ	P-value	Adjusted P-value
T cell CD8+ central memory_XCELL	-0.19	2.73x10 ⁻⁵	0.000238
T cell CD8+ effector memory_XCELL	-0.10	0.035829	0.101643
T cell CD8+ naive_XCELL	-0.11	0.012747	0.045429
T cell CD8+_CIBERSORT	-0.19	3.64x10 ⁻⁵	0.000291
T cell CD8+_CIBERSORT-ABS	-0.04	0.375246	0.572894
T cell CD8+_EPIC	0.17	0.000229	0.001429
T cell CD8+_QUANTISEQ	-0.01	0.88296	0.959739
T cell CD8+_TIMER	0.49	6.60x10 ⁻³¹	2.64x10 ⁻²⁸
T cell CD8+_XCELL	-0.22	8.32x10 ⁻⁷	1.58x10 ⁻⁵
T cell CD4+ (non-regulatory)_QUANTISEQ	-0.24	5.38x10 ⁻⁸	1.25x10 ⁻⁶
T cell CD4+ (non-regulatory)_XCELL	-0.03	0.502435	0.716717
T cell CD4+ central memory_XCELL	0.07	0.109793	0.261254
T cell CD4+ effector memory_XCELL	-0.10	0.021061	0.080768
T cell CD4+ memory activated_CIBERSORT	0.02	0.59218	0.780715
T cell CD4+ memory activated_CIBERSORT-ABS	0.02	0.595246	0.781803
T cell CD4+ memory resting_CIBERSORT	0.07	0.106346	0.257532
T cell CD4+ memory resting_CIBERSORT-ABS	0.09	0.052856	0.157571
T cell CD4+ memory_XCELL	-0.07	0.128469	0.289973
T cell CD4+ naive_CIBERSORT	-0.05	0.320796	0.525786
T cell CD4+ naive_CIBERSORT-ABS	-0.04	0.325784	0.530658
T cell CD4+ naive_XCELL	-0.16	0.000481	0.003761
T cell CD4+ Th1_XCELL	-0.31	4.79x10 ⁻¹²	2.91x10 ⁻¹⁰
T cell CD4+ Th2_XCELL	-0.12	0.005936	0.031903
T cell CD4+_EPIC	0.33	6.12x10 ⁻¹⁴	4.83x10 ⁻¹²
T cell CD4+_TIMER	-0.13	0.004538	0.02507
T cell regulatory (Tregs)_CIBERSORT	0.13	0.003876	0.02219
T cell regulatory (Tregs)_CIBERSORT-ABS	0.11	0.011883	0.054469
T cell regulatory (Tregs)_QUANTISEQ	0.12	0.010853	0.050731
T cell regulatory (Tregs)_XCELL	0.09	0.037443	0.125872
B cell memory_CIBERSORT	-0.05	0.235512	0.494082

B cell memory_CIBERSORT-ABS	-0.05	0.26585	0.511499
B cell memory_XCELL	-0.22	1.47x10 ⁻⁶	3.39x10 ⁻⁵
B cell naive_CIBERSORT	-0.04	0.355857	0.58497
B cell naive_CIBERSORT-ABS	-0.02	0.671447	0.833033
B cell naive_XCELL	-0.09	0.047275	0.16784
B cell plasma_CIBERSORT	-0.08	0.072888	0.23262
B cell plasma_CIBERSORT-ABS	-0.02	0.735008	0.866414
B cell plasma_XCELL	-0.37	6.05x10 ⁻¹⁷	1.21x10 ⁻¹⁴
B cell_EPIC	-0.09	0.042587	0.153928
B cell_QUANTISEQ	-0.10	0.030217	0.129727
B cell_TIMER	-0.11	0.014048	0.074591
B cell_XCELL	-0.14	0.002658	0.019692
Class-switched memory B cell_XCELL	-0.04	0.367068	0.592046
Monocyte_CIBERSORT	0.03	0.47661	0.678636
Monocyte_CIBERSORT-ABS	0.12	0.007402	0.033195
Monocyte_QUANTISEQ	-0.15	0.00074	0.005518
Monocyte_XCELL	-0.06	0.209219	0.386813
Macrophage M0_CIBERSORT	0.10	0.022154	0.061255
Macrophage M0_CIBERSORT-ABS	0.10	0.029932	0.075458
Macrophage M1_CIBERSORT	-0.15	0.000756	0.004494
Macrophage M1_CIBERSORT-ABS	-0.11	0.017065	0.050437
Macrophage M1_QUANTISEQ	0.22	8.42x10 ⁻⁷	1.12x10 ⁻⁵
Macrophage M1_XCELL	-0.19	1.59x10 ⁻⁵	0.000142
Macrophage M2_CIBERSORT	0.20	9.20x10 ⁻⁶	9.36x10 ⁻⁵
Macrophage M2_CIBERSORT-ABS	0.21	2.44x10 ⁻⁶	2.76x10 ⁻⁵
Macrophage M2_QUANTISEQ	-0.10	0.020546	0.057339
Macrophage M2_TIDE	-0.15	0.000979	0.005596
Macrophage M2_XCELL	-0.28	4.63x10 ⁻¹⁰	1.26x10 ⁻⁸
Macrophage_EPIC	0.07	0.122201	0.23425
Macrophage_TIMER	0.18	3.93x10 ⁻⁵	0.000314
Macrophage_XCELL	-0.16	0.000427	0.002695
Neutrophil_CIBERSORT	0.04	0.371156	0.576022
Neutrophil_CIBERSORT-ABS	0.04	0.325021	0.530942

Neutrophil_MCPCOUNTER	0.57	1.02x10 ⁻⁴²	4.88x10 ⁻⁴⁰
Neutrophil_QUANTISEQ	0.41	9.24x10 ⁻²¹	1.47x10 ⁻¹⁸
Neutrophil_TIMER	0.37	1.86x10 ⁻¹⁷	1.77x10 ⁻¹⁵
Neutrophil_XCELL	0.09	0.057916	0.157863
Myeloid dendritic cell activated_CIBERSORT	0.28	6.28x10 ⁻¹⁰	2.25x10 ⁻⁸
Myeloid dendritic cell activated_CIBERSORT-ABS	0.29	8.59x10 ⁻¹¹	3.86x10 ⁻⁹
Myeloid dendritic cell activated_XCELL	-0.12	0.010568	0.051616
Myeloid dendritic cell resting_CIBERSORT	0.11	0.011535	0.055584
Myeloid dendritic cell resting_CIBERSORT-ABS	0.10	0.021515	0.085823
Myeloid dendritic cell_MCPCOUNTER	-0.03	0.528159	0.756556
Myeloid dendritic cell_QUANTISEQ	-0.19	3.04x10 ⁻⁵	0.000411
Myeloid dendritic cell_TIMER	0.37	4.13x10 ⁻¹⁷	7.41x10 ⁻¹⁵
Myeloid dendritic cell_XCELL	0.01	0.775305	0.90959
NK cell activated_CIBERSORT	-0.14	0.001475	0.01103
NK cell activated_CIBERSORT-ABS	0.01	0.787897	0.913924
NK cell resting_CIBERSORT	0.02	0.59916	0.801671
NK cell resting_CIBERSORT-ABS	0.04	0.368034	0.619709
NK cell_EPIC	-0.12	0.006374	0.034936
NK cell_QUANTISEQ	0.19	2.45x10 ⁻⁵	0.000349
NK cell_XCELL	-0.12	0.006532	0.035528
Plasmacytoid dendritic cell_XCELL	-0.25	1.11x10 ⁻⁸	2.95x10 ⁻⁷
Cancer associated fibroblast_EPIC	0.23	4.94x10 ⁻⁷	3.49x10 ⁻⁶
Cancer associated fibroblast_MCPCOUNTER	0.14	0.002305	0.007827
Cancer associated fibroblast_TIDE	0.41	1.65x10 ⁻²¹	1.19x10 ⁻¹⁹
Cancer associated fibroblast_XCELL	-0.22	1.27x10 ⁻⁶	7.76x10 ⁻⁶
Mast cell activated_CIBERSORT	0.16	0.000367	0.001437
Mast cell activated_CIBERSORT-ABS	0.18	8.51x10 ⁻⁵	0.000374
Mast cell resting_CIBERSORT	-0.06	0.159777	0.27132
Mast cell resting_CIBERSORT-ABS	-0.06	0.218978	0.344244
Mast cell_XCELL	0.29	7.36x10 ⁻¹¹	1.07x10 ⁻⁹
Cancer associated fibroblast_EPIC	0.23	4.94x10 ⁻⁷	3.49x10 ⁻⁶
Cancer associated fibroblast_MCPCOUNTER	0.14	0.002305	0.007827
Cancer associated fibroblast_TIDE	0.41	1.65x10 ⁻²¹	1.19x10 ⁻¹⁹

Cancer associated fibroblast_XCELL	-0.22	1.27x10 ⁻⁶	7.76x10 ⁻⁶
Common lymphoid progenitor_XCELL	0.09	0.044959	0.116023
Common myeloid progenitor_XCELL	-0.02	0.611798	0.764748
Endothelial cell_EPIC	0.03	0.556911	0.701296
Endothelial cell_MCPCOUNTER	0.11	0.014171	0.049416
Endothelial cell_XCELL	-0.11	0.016323	0.0562
Eosinophil_CIBERSORT	-0.08	0.086242	0.212507
Eosinophil_CIBERSORT-ABS	-0.08	0.088656	0.215307
Eosinophil_XCELL	0.17	0.000103	0.000604
Granulocyte-monocyte progenitor_XCELL	0.01	0.829208	0.913136
Hematopoietic stem cell_XCELL	-0.10	0.02569	0.085635
T cell follicular helper_CIBERSORT	-0.12	0.006134	0.030669
T cell follicular helper_CIBERSORT-ABS	0.00	0.93091	0.971385
T cell gamma delta_CIBERSORT	-0.16	0.000272	0.002614
T cell gamma delta_CIBERSORT-ABS	-0.16	0.000293	0.002707
T cell gamma delta_XCELL	0.09	0.052286	0.142583
MDSC_TIDE	0.25	1.16x10 ⁻⁸	2.32x10 ⁻⁷
T cell NK_XCELL	-0.02	0.668403	0.74267

Analyses were performed using Timer (n=509). THCA, thyroid carcinoma.