

Table S1 The relationship between the *MS4A15* and immune cell infiltration levels

Gene	Cell type	Pearson		Spearman	
		Correlation coefficient	P value	Correlation coefficient	P value
<i>MS4A15</i>	Mast cells	0.304	<0.001	0.360	<0.001
<i>MS4A15</i>	TFH	0.302	<0.001	0.326	<0.001
<i>MS4A15</i>	iDC	0.269	<0.001	0.321	<0.001
<i>MS4A15</i>	Eosinophils	0.228	<0.001	0.262	<0.001
<i>MS4A15</i>	DC	0.246	<0.001	0.253	<0.001
<i>MS4A15</i>	Macrophages	0.212	<0.001	0.243	<0.001
<i>MS4A15</i>	NK cells	0.197	<0.001	0.200	<0.001
<i>MS4A15</i>	pDC	0.167	<0.001	0.200	<0.001
<i>MS4A15</i>	CD8 T cells	0.174	<0.001	0.174	<0.001
<i>MS4A15</i>	Th1 cells	0.087	0.044	0.130	0.003
<i>MS4A15</i>	NK CD56bright cells	0.111	0.010	0.122	0.005
<i>MS4A15</i>	B cells	0.080	0.064	0.118	0.006
<i>MS4A15</i>	Cytotoxic cells	0.096	0.027	0.117	0.007
<i>MS4A15</i>	aDC	0.072	0.096	0.104	0.016
<i>MS4A15</i>	T cells	0.063	0.149	0.103	0.017
<i>MS4A15</i>	Neutrophils	0.048	0.268	0.099	0.021
<i>MS4A15</i>	Th17 cells	0.013	0.763	0.031	0.470
<i>MS4A15</i>	TReg	0.016	0.720	0.009	0.832
<i>MS4A15</i>	T helper cells	-0.022	0.616	0.007	0.874
<i>MS4A15</i>	Tem	-0.019	0.660	0.004	0.921
<i>MS4A15</i>	Tcm	-0.044	0.306	-0.001	0.976
<i>MS4A15</i>	NK CD56dim cells	-0.062	0.149	-0.055	0.203
<i>MS4A15</i>	Tgd	-0.089	0.041	-0.081	0.061
<i>MS4A15</i>	Th2 cells	-0.399	<0.001	-0.410	<0.001

MS4A15, membrane spanning 4-domains A15; TFH, T follicular helper cells; iDC, immature dendritic cells; DC, dendritic cells; NK, natural killer cells; pDC, plasmacytoid dendritic cells; Treg, regulatory T cells; Tem, effector memory T cells; Tcm, central memory T cells; Tgd, gamma delta T cells; Th2, type 2 helper T; aDC, activated dendritic cells.