

Table S5: GSEA in the low-risk score cohort

NAME	SIZE	ES	NES	NOM p-val	FDR q-val
Cell adhesion molecules cams	131	-0.66	-2.259	< 0.001	< 0.001
Intestinal immune network for IgA production	46	-0.801	-2.135	< 0.001	0.002
JAK STAT signaling pathway	155	-0.529	-2.109	< 0.001	0.003
Cytokine cytokine receptor interaction	264	-0.558	-2.084	< 0.001	0.003
Chemokine signaling pathway	188	-0.549	-2.04	< 0.001	0.005
Toll like receptor signaling pathway	102	-0.548	-2.007	< 0.001	0.007
B cell receptor signaling pathway	75	-0.581	-1.947	0.004	0.011
Natural killer cell mediated cytotoxicity	132	-0.506	-1.821	0.008	0.028
VEGF signaling pathway	76	-0.455	-1.813	< 0.001	0.028
T cell receptor signaling pathway	108	-0.519	-1.821	0.010	0.029

<u>RANK AT MAX</u>
4745
4745
8398
6227
6712
6494
4855
6592
5541
<u>6193</u>