

Table 4 Correlation of TCGA-validated hub genes with clinico-pathological features

Hub genes	Lymphatic invasion ^a	Venous invasion ^a	Neoplasm histologic grade ^b	New neoplasm event type ^c	Primary therapy outcome success ^d
<i>SYK</i>	0.29847	0.39940	1	0.04321	0.03615
<i>CD74</i>	0.06571	0.21760	0.92254	0.08947	0.22433
<i>IL1B</i>	0.29611	0.21927	0.95932	0.09948	0.45831
<i>WAS</i>	0.00338	0.01539	0.52145	0.02987	0.56325
<i>CD4</i>	0.15207	0.40183	0.94506	0.41773	0.95740
<i>TNF</i>	0.14856	0.18206	1	0.07792	0.04895
<i>LCP1</i>	0.03457	0.14372	0.93812	0.91187	0.75114
<i>SPI1</i>	0.00676	0.08270	0.67801	0.09277	0.59345
<i>HLA-B</i>	0.01301	0.08002	1	0.72898	0.42119
<i>LYN</i>	0.28096	0.08421	0.78698	0.01456	0.84085
<i>RAC2</i>	0.07913	0.23970	0.96538	0.61673	0.09708
<i>FCER1G</i>	0.00623	0.03023	0.69825	0.07827	0.73811
<i>ITGB2</i>	0.00021	0.00631	0.40765	0.05551	0.33067
<i>PLEK</i>	3.53E-05	0.00037	1	0.466880	0.81245

a: Yes/No; b: G1+G2/G3+G4; c: Metastatic/ Locoregional disease/ Progression of disease/ Recurrence; d: Partial remission/ Stable disease/

Progressive disease/ Complete remission