S2 Table. G-CSF pathway molecular marker expression and patient characteristics

Molecular Marker	CIN		FN		Ann Arbor Stage≥4		IPI≥3		Extranodal involvement		B2MG		LDH		BM involvement	
	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value
STAT3	5.0 (1.10-22.82)	0.038	9.0 (0.80-101.12)	0.075	5.71 (0.59-10.86)	0.032	3.09 (0.70-13.71)	0.137	6.0 (1.25-28.84)	0.025	3.30 (0.68-13.61)	0.147	0.29 (0.05-1.65)	0.163	3.71 (0.37-37.71)	0.267
AKT	7.37 (1.84-29.55)	0.060	14.44 (1.48-140.78)	0.022	3.91 (1.03-14.88)	0.045	2.06 (0.59-7.21)	0.26	1.88 (0.53-6.62)	0.329	2.78 (0.75-10.26)	0.125	0.42 (0.09-1.89)	0.257	1.33 (0.20-9.08)	0.769
ERK	4.08 (1.11-15.02)	0.019	7.91 (0.74-84.37)	0.087	2.14 (0.63-7.30)	0.223	3.56 (0.98-12.96)	0.054	2.36 (0.69-8.09)	0.172	5.14 (1.38-19.11)	0.014	1.32 (0.30-5.77)	0.709	4.21 (0.43-41.14)	0.216
BAD	6.19 (1.70-22.60)	< 0.001	11.67 (1.23-110.80)	0.032	4.95 (1.17-21.03)	0.03	6.5 (1.52-27.78)	0.012	5.13 (1.38-19.11)	0.015	3.57 (1.01-12.68)	0.049	0.84 (0.20-3.65)	0.821	2.12 (0.32-14.05)	0.437

BAD, BCL2-associated agonist of cell death; B2MG, beta-2 microglobulin; BAD, BCL2-associated agonist of cell death; BM, bone marrow; CI, confidence interval; CIN, chemotherapy-induced neutropenia; ERK, extracellular signal-regulated kinase; FN, febrile neutropenia; G-CSF, granulocyte-colony stimulating factor; HR, hazard ratio; IPI, International Prognostic Index; LDH, lactate dehydrogenase; STAT, signal transducer and activator of transcription protein.