

**Table S2. P-values from two-sided Mann Whitney tests to compare IFN-induced fold changes in pSTAT1 between breast cancer patients with different disease stages and between breast cancer patients who had not received therapy versus those who had received neoadjuvant or adjuvant chemotherapy.**

Samples compared		Cell Types	p-values	
			IFN- $\alpha$	IFN- $\gamma$
BC stage II n=10	BC stage III n=9	T	0.3562	0.9048
		B	0.1823	0.3562
		NK	0.3562	0.9654
BC stage II n=10	BC stage IV n=8	T	0.8266	1.0000
		B	0.8266	0.6334
		NK	0.0831	0.3154
BC stage III n=9	BC stage IV n=8	T	0.7430	0.9626
		B	0.4807	0.8148
		NK	0.5414	0.3823
BC stage III No therapy n=5	BC stage III Neoadjuvant therapy n=4	T	0.6430	0.1367
		B	0.9805	0.5747
		NK	0.4208	0.3667
BC all stages No therapy n=15	BC all stages Chemotherapy n=12	T	0.1367	0.6430
		B	0.5747	0.9805
		NK	0.3667	0.4208