Additional File 1.

***Immunohistochemical analysis***: Immunostains for PD-L1 (clone 22C3; Dako, Carpinteria, CA), FOXP3 (clone 236A/E7; eBioscience, San Diego, CA), CD4 (clone SP35; Ventana Medical Systems, Tucson, AZ), and CD8 (clone C8144B; CellMarque/Sigma-Aldrich, St. Louis, MO) were performed. The percentage of tumor cells expressing membranous PD-L1 was evaluated manually across a whole-slide section of tumor. The number of inflammatory cells expressing FOXP3, CD4, and CD8 were manually quantitated and averaged across three representative high-power fields (HPF).