

Figure S1. Typical immunohistochemical images (arrows show staining): (a) SMA staining of the tumor stroma fibroblasts (arrows); (b) Nuclear staining of MIB1 in cancer cells; (c) Cytoplasmic and nuclear staining of p16 in cancer cells; (d) Membrane CD4 staining in TILs; (e) Membrane CD8 staining of TILs; (f) Nuclear staining of FOXP3 in TILs; (g) Membrane CD20 staining in TILs; (h) CD68 staining by stroma infiltrating macrophages; (i) VEGF staining of cancer cells. All images were captured at $\times 20$ magnification.

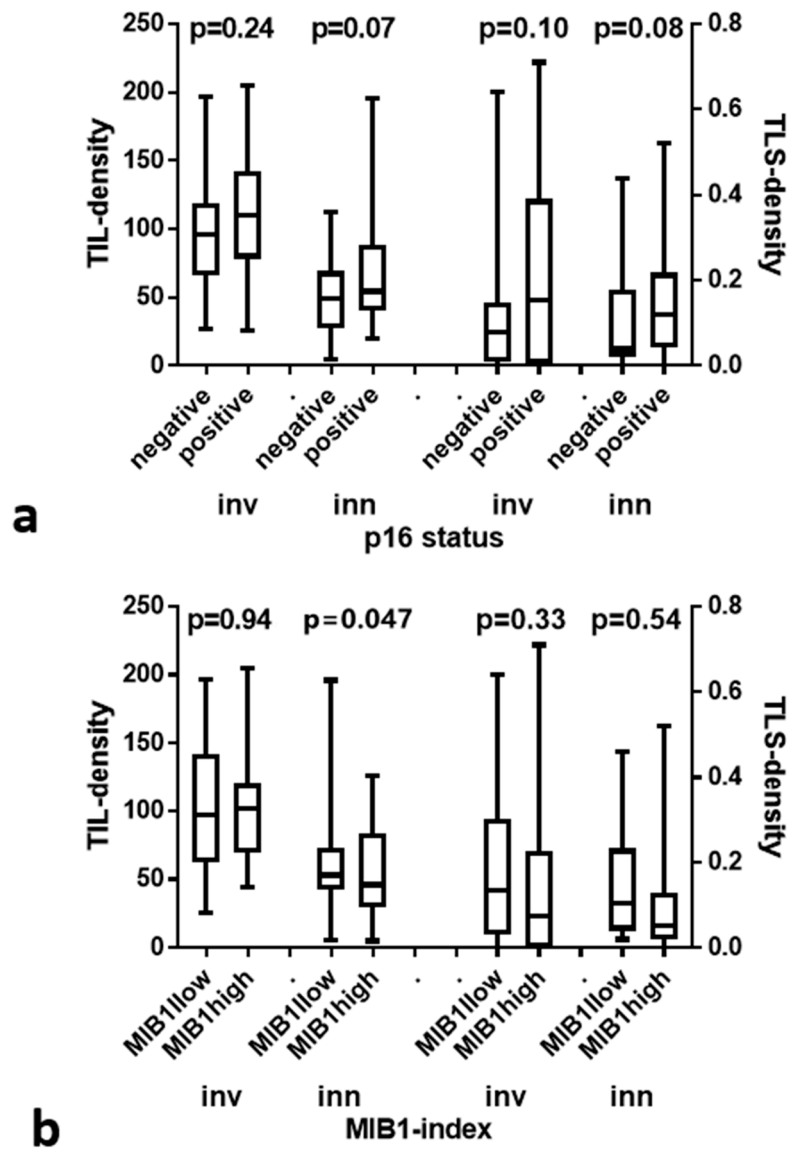


Figure S2. TIL density and TLS density in the invading tumor front and inner tumor areas according to: (a) p16 status; (b) MIB1 proliferation index.