

Supplemental Figures

Supplemental Figure 1. STAT3 activation in ABC-like DLBCL. Primary specimens from ABC-like DLBCL patients were analyzed by immunofluorescence staining with anti-phospho-STAT3.

Supplemental Figure 2. STAT3 silencing inhibits IL-10-dependent upregulation of c-Myc. (A) Western blot analysis of total and phospho-STAT3 levels was performed on the cell lysates from Ly3 cells, which have been stably transduced with STAT3 shRNA lentivirus or control lentivirus. The levels of Beta-Actin served as loading control. (B) Control or STAT3 shRNA lentivirus Ly3 cells were plated in 96-well plates and incubated with 4 ng/mL IL-6 or IL-10 for 72 hours. Following this, the percentage of cell proliferation was determined by MTS assay. Values represented as bar graphs are the mean of 3 independent experiments with the standard deviation. (C) Stably transduced STAT3 shRNA lentivirus or control lentivirus Ly3 cells, were plated at a concentration of 250 000/mL and incubated with 4 ng/mL IL-6 or IL-10 for 24 hours. Following this, Western blot analysis of c-Myc was performed on the cell lysates. The levels of Beta-Actin served as loading control.

Supplemental Figure 3. STAT3 silencing blocks the tumor growth of human ABC-like DLBCL Ly10 cells xenograft. NOD-SCID IL2Rnull mice (5 mice/ group) were injected S.C. with control lentivirus Ly10 cells or STAT3 shRNA lentivirus Ly10 cells. Statistical analysis was performed with Two-way ANOVA.