



Figure S2. BTIC and NSC growth phenotypes resulting from knockdown of PLK1 and pharmacological inhibition of Aurora B kinase.

(A) Knockdown of PLK1 using pGIPz-shRNA lentiviral expression system. Cells were transduced, puromycin selected, seeded in microtiter growth dishes, outgrown for 7 days, and assayed using Alamar blue viable stain (Invitrogen).

(B) PLK1 expression after shRNA knockdown. RNA expression measured by RT-QPCR.

(C) Pharmacological inhibition of AurkB using ZM447439. CB660 and G166 cells were seeded in microtiter grow dishes and treated with various concentrations of ZM447439 in normal culture conditions. After seven days, wells were assayed for cell growth using Alamar blue. Medium was changed every two days with same drug dilutions. Results show that AurkB inhibition impacts BTICs and NSC equally. Similar results were observed in Ras-transformed and non-transformed human fibroblasts (data not shown). **indicates student's t-test $p < .01$.