**Supplementary figure 1.** A) Inhibition of OGT expression with siRNA reduces the growth rate of LNCaP cells. The expression of OGT was inhibited with siRNAs targeting OGT and the growth rate was recorded in real time with imaging. Protein samples were harvested at 72 hours of transfection to confirm the knockdown. Values shown represent those obtained from six technical replicates. B) Knockdown of OGT induces a compensating downregulation of MGEA5. In order to validate the expression array experiment, we selected the two common genes down-regulated by OGT knockdown, OGT and MGEA5. The experiment was repeated three times and values shown represent the average of those experiments and standard error of mean is shown.