

**Supplementary Figure 1. A.** The shRNA knocks down UTP14A detected by western blotting. **B.** Inhibition of esophageal cancer cells (Eca109) with different concentrations of GSK, detected by CCK8. **C.**  $5\mu$ M GSK inhibits esophageal cancer cells (Eca109) at different times, detected by CCK8.