

**Supplementary Figure 4.** Spearman's rank correlation coefficient plot shows the expression signature of differentially genes expression profiles between cervical squamous cell carcinoma (SCC) and adenocarcinoma (ADC) samples from our study and from the cancer genome atlas (TCGA) consortium showed the datasets present the same tendency. FC: fold change (log<sub>2</sub>) S = 871690, *p*-value <  $2.2e^{-16}$ .