Supplementary Figure 1. (**A**) Quantification data of PGC-1α and ERRα protein expression in RL-952, ECC-1, HEC-1A and HEC-1B endometrial cancer cells. (**B**) Quantification data of PGC-1α and ERRα protein levels after the infection with lentivirus targeted on OV-ERRα in HEC-1A. (**C**) Quantification data of PGC-1α and ERRα protein expression after the infection with PGC-1α-siRNA in ECC-1 cell. Infection with lentivirus vector targeted on overexpression of ERRα in HEC-1A (**D**) and silencing of PGC-1α in ECC-1 (**E**) were observed by optical microscope and fluorescence microscopic with a magnification of 400. *mean $P<0.05$, # mean $P>0.05$
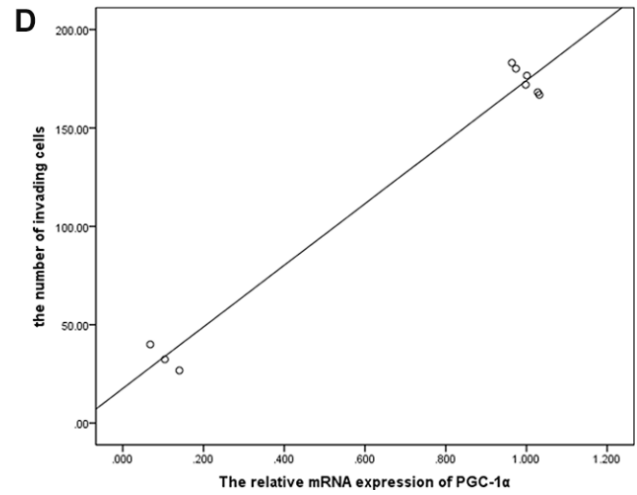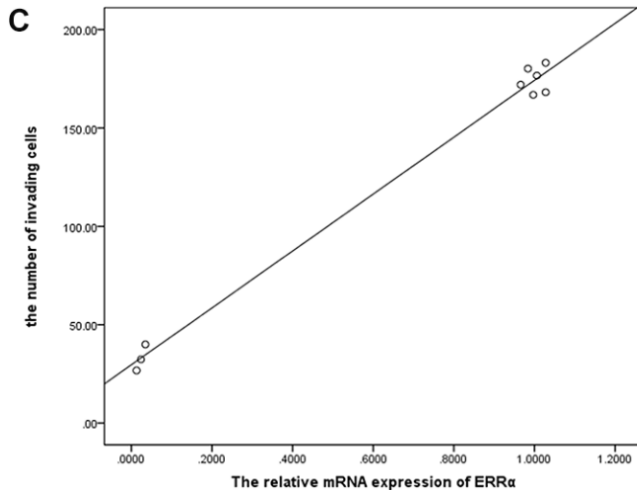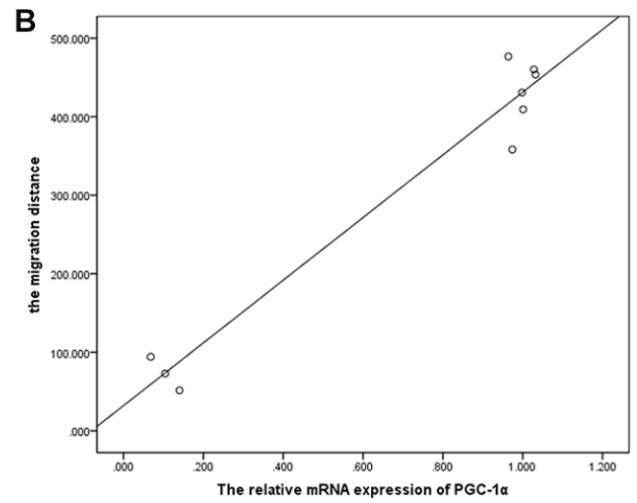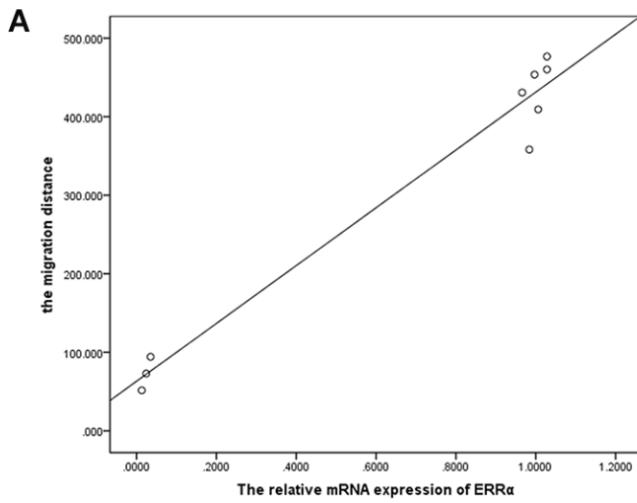
Supplementary Figure 2. Correlation analysis for ERRα (**A**), PGC-1α (**B**) levels and the migration distance after PGC-1α knockdown in ECC-1. Correlation analysis for ERRα (**C**), PGC-1α (**D**) levels and the number of invading cells after PGC-1α knockdown in ECC-1.
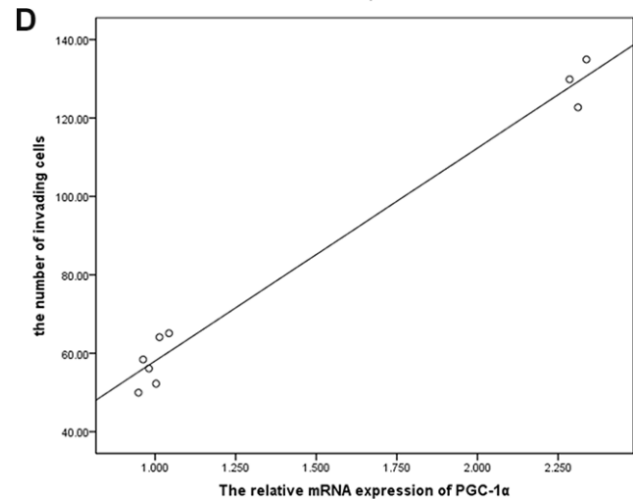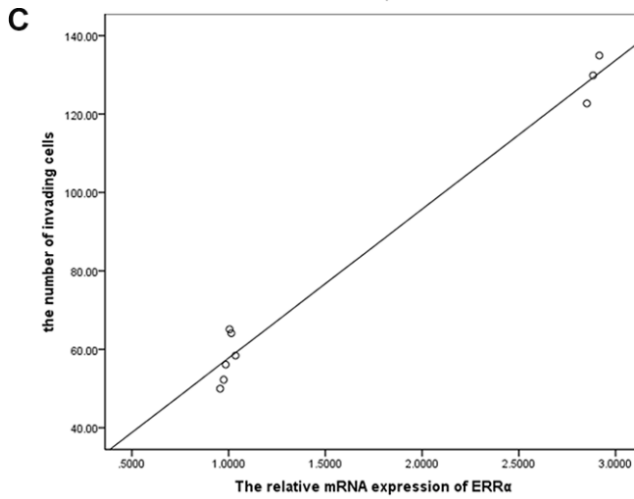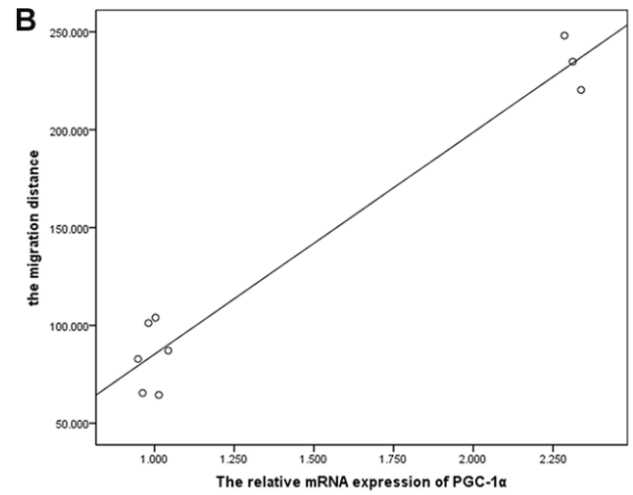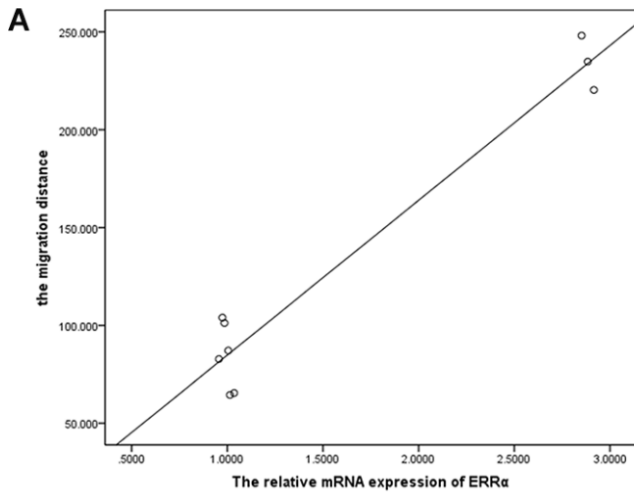
Supplementary Figure 3. Correlation analysis for ERRα (**A**), PGC-1α (**B**) levels and the migration distance after ERRα overexpression in HEC-1A. Correlation analysis for ERRα (**C**), PGC-1α (**D**) levels and the number of invading cells after ERRα overexpression in HEC-1A.