



SUPPLEMENTARY FIG. S7. PGC-1 α interacts with ERR α and NRF1 and NRF1/2 have little binding in the Sirt3 promoter. (A) PGC-1 α -3xFLAG was transfected into N-2a cells and immunoprecipitated, followed by Western blotting with ERR α , NRF1, NRF2, and CREB1. Only ERR α and NRF1 were found to have interaction with PGC-1 α . ChIP-qPCR was performed with NRF1 (B) and NRF2 (C) antibodies in N-2a cells. The mRNA levels of ERR α (D) and PGC-1 α (E) were measured in N-2a cells transfected with their siRNA. Quantitative data = mean \pm SEM, $n = 3$, ** $p < 0.01$; compared with control group, paired two-tailed Student's t test. ChIP, chromatin immunoprecipitation; ERR α , estrogen-related receptor alpha; NRF1, nuclear respiratory factor 1; NRF2, nuclear factor erythroid 2 (NF-E2)-related factor 2; PGC-1 α , peroxisome proliferator-activated receptor- γ coactivator 1 α .