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2 **Supplementary Fig 1: Identification of Over-expression/knockdown HOXB2 or**
 3 **FOXO1 NPC cell lines.** (A) Cell fluorescence after HOXB2 gene
 4 overexpression/knockdown constructed to NPC cells. (B) HOXB2 mRNA expression
 5 levels in constructed overexpression/knockdown NPC cells. (C) HOXB2 protein
 6 expression levels in constructed overexpression/knockdown NPC cells. (D) Mcherry-

7 NC-Plasmid determined the transient transfection efficiency of FOXO1
8 overexpression plasmid to NPC cells. (E) FOXO1 mRNA expression levels after
9 FOXO1-overexpression-plasmid transfect to NPC cells. (F) FOXO1 protein
10 expression levels after FOXO1-overexpression-plasmid transfect to NPC cells.
11 FOXO1, forkhead box protein O1; HOXB2, homeobox 2

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