



Figure S1. qRT-PCR screening of effective FOXC1 siRNA (si-FOXC1). Hep-2 cells were transfected with siRNAs targeting different region of FOXC1 mRNA at the indicated concentrations. After 48 h transfection, the relative expression of FOXC1 was determined by qRT-PCR and was calculated by the  $2^{-\Delta\Delta ct}$  method (normalized to the NC group).

**Table S1. The target sequences of synthetic FOXC1 siRNA (si-FOXC1)**

Name	Accession	Target Seq (sence of 5'-3')	Start Pos	GC%
si-FOXC1-1	NM_001453	ATCAAGACCGAGAACGGTAtt	674	47.37%
si-FOXC1-2	NM_001453	CGGACAAGAAGATCACCCtTt	282	52.63%
si-FOXC1-3	NM_001453	GCTTTCGTCTACGACTGTAtt	1631	47.37%
si-NC	siN05815122147	TTCTCCGAACGTGTCACGT		50.0%

**Table S2. Primers for generating the wild-type and mutated FOXC1 3' UTR reporter constructs base on the psi-CHECK2 vector.**

No.	Target Seq
Wt-Foxc1XhoI-F	5'-ccg ctcgag CACACCCTCAAAGCCGAACTA-3'
Wt-Foxc1NotI-R	5'-ataagaat gcggccgc AAAGTGTATTTATTTGCAGCAATC-3'
Mut-Foxc1-1-F	5'-TGCTTTTTTCTCATTATAATTTCCCTAACTGTATTAATCTTATTCTAT-3'
Mut-Foxc1-1-R	5'-ATAGAATAAGATTAATACAGTTAGGGAAATTATAATGAGAAAAAAGCA-3'
Mut-Foxc1-2-F	5'-AAAATATACTGCGGGTTGGTTTCCCTTATTTAATCTTTGAGAACTATT-3'
Mut-Foxc1-2-R	5'-AATAGTTTCTCAAAGATTAATAAGGGAAACCAACCCGCAGTATATTTT-3'

F: Forward strand; R: Reverse strand.