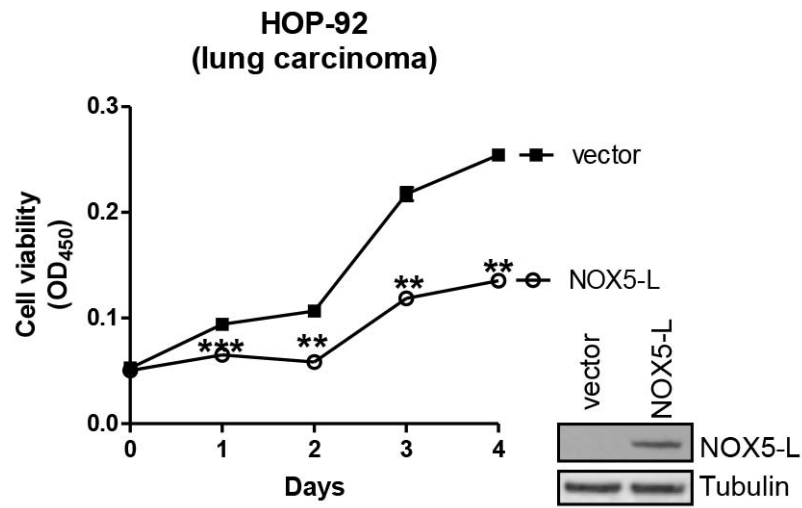
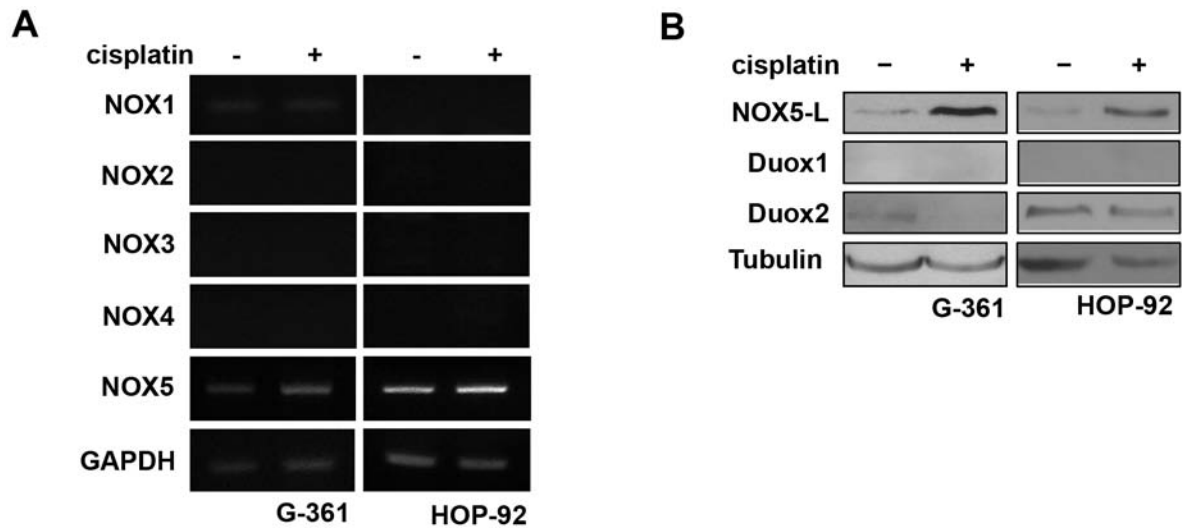


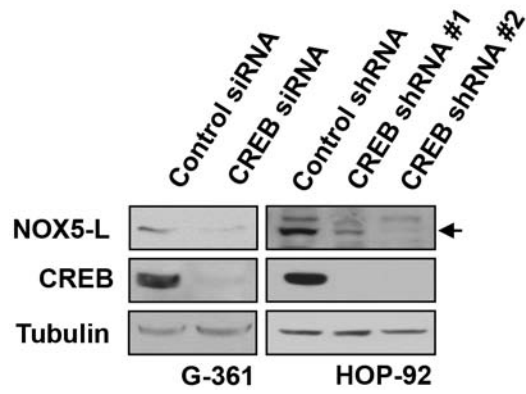
## SUPPLEMENTARY FIGURES AND TABLES



**Supplementary Figure S1: NOX5-L expression causes cell death in HOP-92 cells.** Cell viability assays of HOP-92 cells expressing control vector or NOX5-L. *Insets:* Expression of NOX5-L was confirmed by immunoblotting ( $n = 3$ ; \*\* $P < 0.01$ , \*\*\* $P < 0.001$  vs. vector; Student's t test).



**Supplementary Figure S2: Cisplatin triggers the production of high ROS levels through NOX5-L upregulation.** mRNA **A.** and protein **B.** expression of NOX family members in G-361 and HOP-92 cells. Cells were treated with cisplatin for 24 h. GAPDH and tubulin were used as loading controls.



**Supplementary Figure S3: CREB knockdown downregulates NOX5-L in cancer cells.** Immunoblots of NOX5-L, CREB, and tubulin from G-361 and HOP-92 cells expressing control, CREB siRNA or CREB shRNA. Arrow indicates NOX5-L.

**Supplementary Table S1: Quantitative RT-PCR primer sequences**

Target	Forward (5'-3')	Reverse (5'-3')
Human NOX1	GGAGCAGGAATTGGGGTCAC	TTGCTGTCCCATCCGGTGAG
Human NOX2	GGAGTTTCAAGATGCGTGGAAACTA	GCCAGACTCAGAGTTGGAGATGCT
Human NOX3	GGATCGGAGTCACTCCCTTCGCTG	ATGAACACCTCTGGGGTCAGCTGA
Human NOX4	GGAGTTTCAAGATGCGTGGAAACTA	GCCAGACTCAGAGTTGGAGATGCT
Human NOX5	CTATTGGACTCACCTGTCCTACC	GGAAAAACAAGATTCCAGGCAC
Human GAPDH	TGTTGCCATCAATGACCCCTT	CTCCACGACGTACTCAGCG

**Supplementary Table S2: RT-PCR primer sequences**

Target	Forward (5'-3')	Reverse (5'-3')
Human NOX1	GCACACCTGTTTAACTTTGACTG	GGACTGGATGGGATTTAGCCA
Human NOX2	CATCACCAAGGTGGTCACTC	TCAACCGCTATCTTAGGTAGTTT
Human NOX3	ACTGCCCTGACAGATGTATT	CTGCTTGAACCTCATTGTTCC
Human NOX4	GACTGGACAGAACGATTTCG	CTTGCCAAAACCTTGTTATGCA
Human NOX5	TCATCTCCTCATCAAGCGGC	ATGAGCACGGCATGCTCAGA
Human GAPDH	TGTTGCCATCAATGACCCCTT	CTCCACGACGTACTCAGCG