Supplementary Table S1

Hprt1	GCCGACCCGCAGTCC	TCATAACCTGGTTCATCATCGC
Nrf2 (Nfe2l2)	CAGCATGTTACGTGATGAGG	GCTCAGAAAAGGCTCCATCC
Hmox1	GCCACCAAGGAGGTACACAT	GCTTGTTGCGCTCTATCTCC
Gsta4	GATGATTGCCGTGGCTCCATTTA	CTGTTGCCAACGAGAAAAGCC
Akr1b8	CAACATTCTTGGAAGCCTGGGA	TGGAAGTGGTTGAAGTTGGAGAC
Aldh2	GCTGTTGTACCGATTGGCGGAT	GCGGAGACATTTCAGGACCATG
Glcm	CTTCGCCTCCGATTGAAGATG	AAAGGCAGTCAAATCTGGTGG
Gclc	AATGGAGGCGATGTTCTTGAG	CAGAGGGTCGGATGGTTGG
xCT (Slc7a11)	TGAAATTCCTGAACTTGCAATCA	TGACACTCGTGCTATTTAGGACCAT

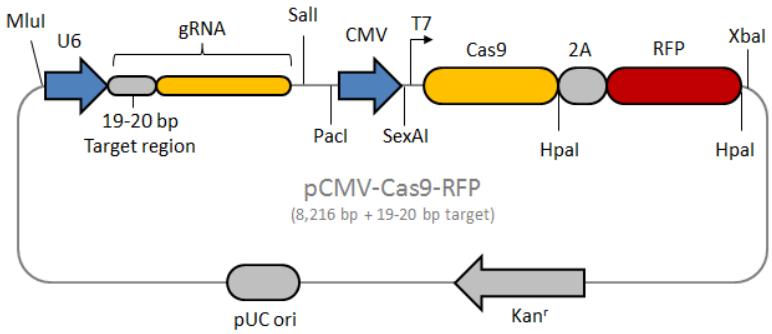
Table S1: Primer sequences for RTqPCR assays.

Supplementary Fig.S1

a

Target ID	Left sequence	Right sequence
MM0000304356	TGATTGACATCCTTTGGAGGC	TGTGTCCTGATTATCAAGAAGCG
MM0000304357	TTGATTGACATCCTTTGGAGGC	CCTCCCTGTGATCTGTGTCC
MM0000304358	GACTTTAGTCAGCGACAGAAGG	CCTCCCTGTGATCTGTGTCC

b



c

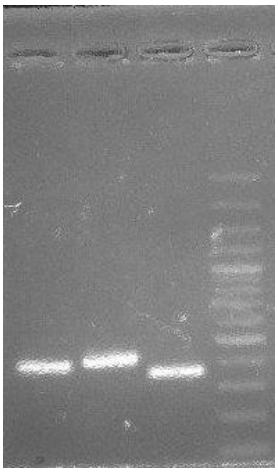


Figure S1: **CRISPR /Cas9 information,** from Sigma-aldrich.com. **a.** Sequence of the 3 guide RNAs used **b.** All-in-one plasmid (scheme from Sigma Aldrich); **c.** Separation and isolation of the different fragments on agarose gel after PCR.

Supplementary Fig.S2

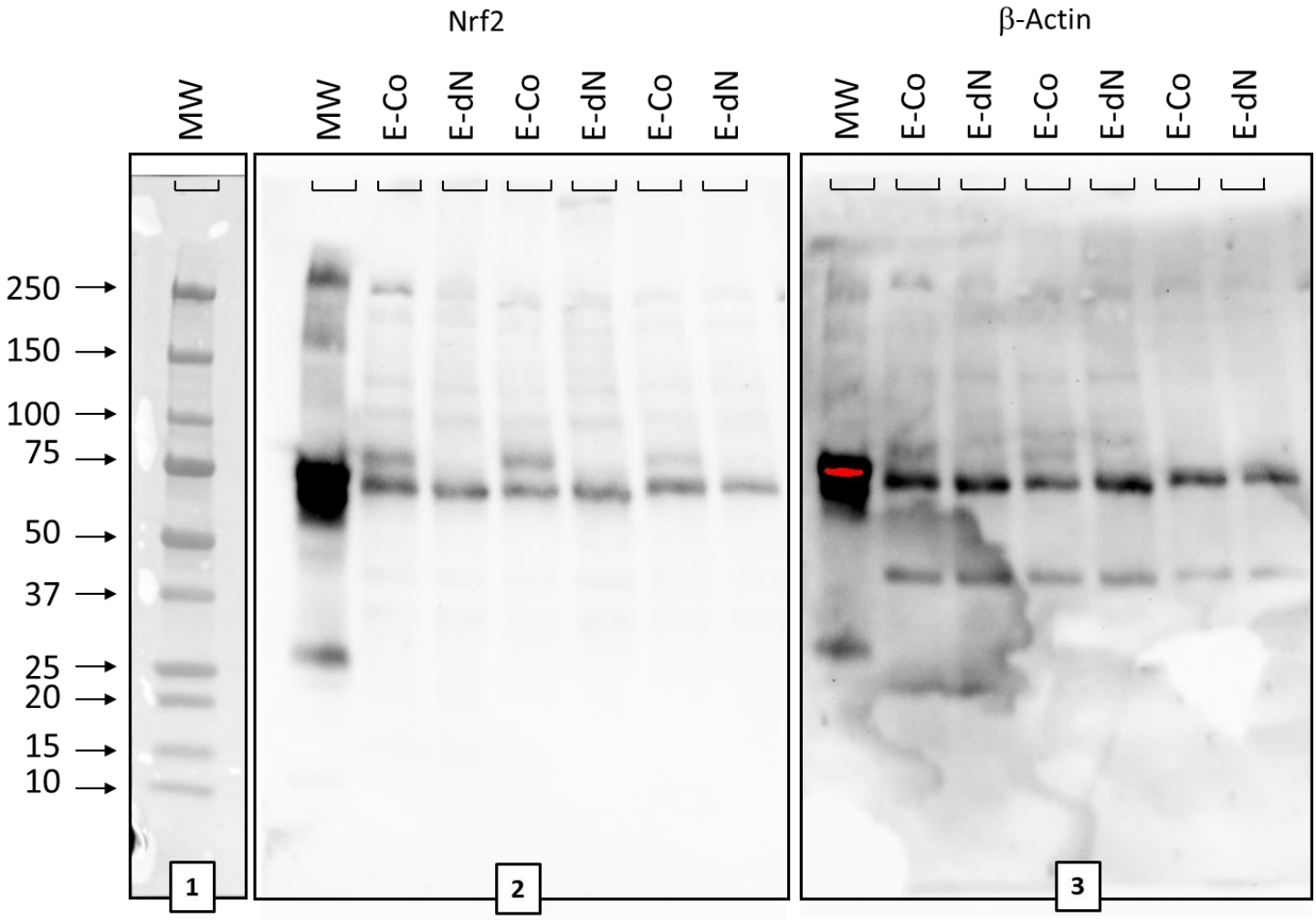


Figure S2: Full-length Western blot.

Blot 1. Molecular weight standard (All blue; Bio-Rad).

Blot 2. Nrf2 protein.

Blot 3. β-actin protein.

Supplementary Fig.S3

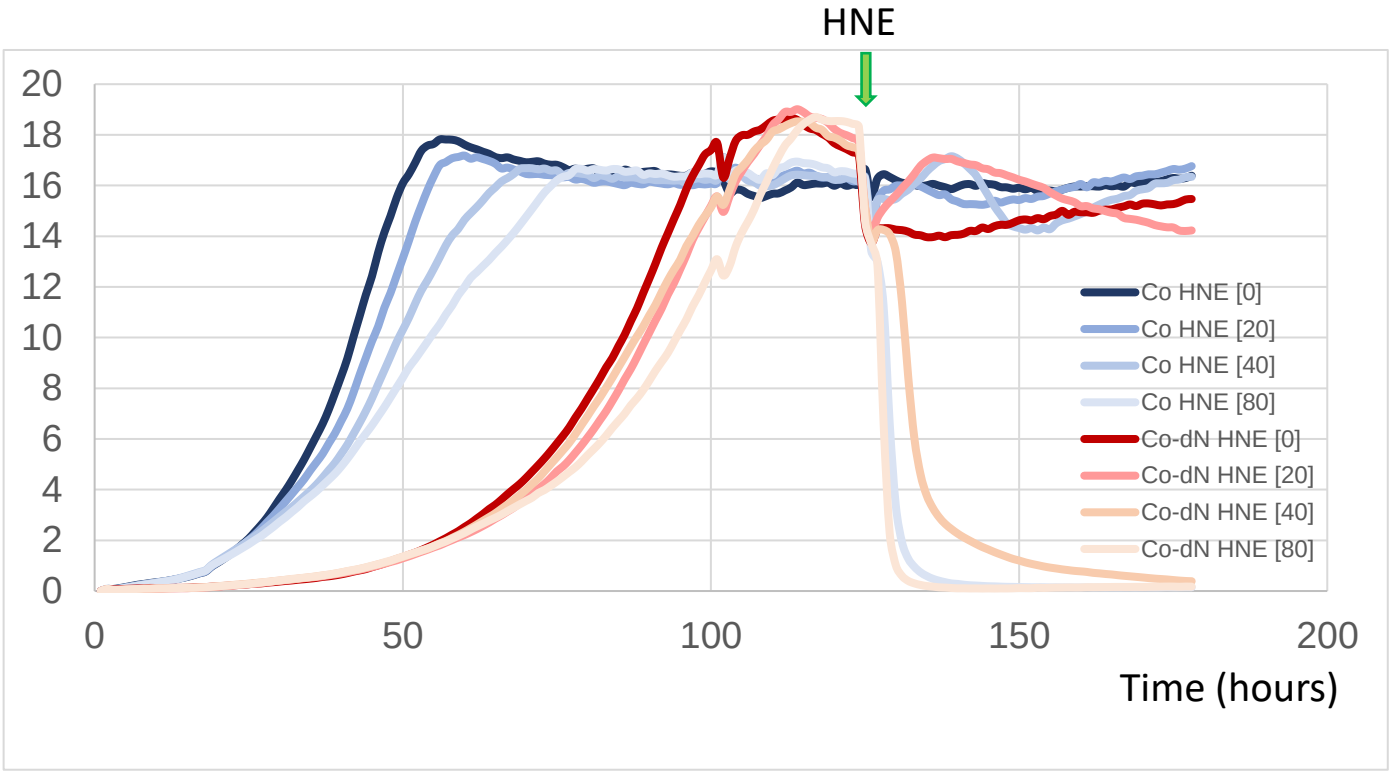


Figure S3: Cell proliferation measured by the xCELLigence technique. Identification of cell proliferation evaluated by the cell index.