**Additional file 1: Table S1: List of primary antibodies used in this study.** Abbreviations: CST: purchased from the Cell Signalling Technology, Danvers, MA, USA; SCB: Santa Cruz Biotechnology, Santa Cruz, CA, USA.

| Primary antibody | Obtained from | Cat. No   | Dilution |
|------------------|---------------|-----------|----------|
| Nrf2             | SCB           | sc-365949 | 1:500    |
| Nrf2             | Proteintech   | 16396-1-AP| 1:100 (IHC) |
| Keap-1           | CST           | 8047S     | 1:1500   |
| HO-1             | SCB           | sc-136960 | 1:500    |
| NQO-1            | SCB           | sc-32793  | 1:1000   |
| γ-GCSm           | SCB           | sc-22754  | 1:1000   |
| AKR1B10          | Proteintech   | 18252-1-AP| 1:1000   |
| MRP1             | SCB           | sc-18835  | 1:500    |
| MRP5             | SCB           | sc-376965 | 1:500    |
| β-actin          | SCB           | sc-69879  | 1:1000   |
| GAPDH            | Abcam         | ab-181602 | 1:1000   |
| ubiquitin        | SCB           | sc-166553 | 1:1000   |
| Caspase-3        | SCB           | sc-7272   | 1:1000   |
| Caspase-9        | SCB           | sc-56076  | 1:1000   |
| PARP             | SCB           | sc-7150   | 1:1000   |
**Additional file 1: Table S2: Primer sequences used for the genotyping of transgenic mice.**

| Genes          | Primer Sequences                                      |
|----------------|-------------------------------------------------------|
| **Kras<sup>tm4Tyj</sup>** | 22907 (F): 5’-TGTCTTTCCCCAGCACAGT-3’                  |
|                | 22908 (Common): 5’- CTGCATAGTGCTATACCTG-3’             |
|                | oIMR9592 (R): 5’-GCAGTGCAGGACCTAATA-3’                 |
| **Trp53<sup>tm1Brn</sup>** | oIMR8543 (F): 5’-GGTTAACACAGCTTGACCA-3’                |
|                | oIMR8544 (R): 5’-GGAGGCAGACAGTTGGAG-3’                 |
|                | 21557 (F): 5’-GCAGTGGAAGTAATGCAAAGC-3’                 |
| **Pdx1-Cre**   | oIMR7338 (F): 5’-CTAGGCCACAGAATGAAAGATCT-3’            |
|                | oIMR7339 (R): 5’-GTTAGTGGAATTCTAGCATCCTCC-3’           |
|                | oIMR9377 (R): 5’-ATGTTTAGCTGGCCAAATG-3’                |