**Supplementary Table 1.** Primers and PCR conditions for genotyping experiments

| Allele                | Primer                                      | Conditions                |
|-----------------------|---------------------------------------------|---------------------------|
| **Pten wild-type**    |                                             |                           |
| **Pten floxed**       |                                             |                           |
| **Pten knockout**     |                                             |                           |
| Pten                  | Pten7319 (5’-AATCTGTGCATGAAGGAAC-3’)        | 42 cycles                |
|                       | Pten6637 (5’-TCCCCAGAGTTTACACCAGA-3’)       | 30s at 94°C              |
|                       | Pten6925 (5’-CCAGTGCAATGGACTAGTGAAC-3’)     | 60s at 60°C              |
|                       |                                             | 70s at 72°C              |
| **Cre**               |                                             |                           |
| f-Cre                 | f-Cre109 (5’-AAGAACCTGATGGACATCTTCAGGGA-3’) | 45 cycles                |
|                       | r-Cre457 (5’-ACGAACCTGGTGTCAGAATCAGTGCGTTC-3’) | 5m at 94°C              |
|                       |                                             | 20s at 94°C              |
|                       |                                             | 30s at 62°C              |
|                       |                                             | 30s at 72°C              |
|                       |                                             | 7m at 72°C               |
| **Grp78 wild-type**   |                                             |                           |
| and floxed            |                                             |                           |
| **Grp78 knockout**    |                                             |                           |
| Grp78                 | PF3 (5’-GATTTGAAACTCAGGCCTCAGGAAGAGCAG-3’)  | 45 cycles                |
|                       | PR3 (5’-GCAATAGCAGCTGCTACTGTAGGAGATGA-3’)   | 5m at 94°C               |
|                       |                                             | 20s at 94°C              |
|                       |                                             | 30s at 62°C              |
|                       |                                             | 30s at 72°C              |
|                       | PTR (5’-TTGTTAGGGGTTCGTCACCTAGA-3’)         | 7m at 72°C               |