**Supplementary File 1**

**Primers Used for Genotyping**

|  |  |  |
| --- | --- | --- |
| **Strain** | **Directions** | **Sequence (5’ to 3’)** |
| *Kdr*-Cre mouse | Forward | CGGTTATTCAACTTGCACCAC |
| Reverse | CAGGACTGAAAGCCCAGACT |
| *Bcas2*Flox/Flox mouse | Forward | ATTCCAGCAGTTGGTGTGGG |
| Reverse | CATTGCTGGACAGAAGGTGAG |
| *Kdr*-Cre;*Bcas2*Flox/Flox mouse | Forward | AGGTGTATGAATGCCTGAACAAG |
| Reverse | CATTGCTGGACAGAAGGTGAG |
| *bcas2* knockout zebrafish | Forward | TGCACATACAGTAATAGGCTTACCC |
| Reverse | GTCTGATTTGCATCAAAAGATGTGA |