

TABLE S3. RESULTS OF BREEDING CSMD1-/- C3-/- DOUBLE KNOCKOUTS

| Genotype | Sex | Mated with | Duration of Mating | litter born | 1st Litter Size | 2nd Litter Size | 3rd Litter Size |
|---------------|-----|---------------|--------------------|-------------|------------------|-----------------|-----------------|
| Csmd-/- C3-/- | M | Csmd-/- C3-/- | 5 months | No | | | |
| Csmd-/- C3-/- | M | Csmd-/- C3-/- | 5 months | No | | | |
| Csmd-/- C3-/- | F | Csmd-/- C3-/- | 5 months | No | | | |
| Csmd-/- C3-/- | F | Csmd-/- C3-/- | 5 months | No | | | |
| Csmd-/- C3-/- | M | Csmd-/- C3-/- | 5 months | No | | | |
| Csmd-/- C3-/- | M | Csmd-/- C3-/- | 5 months | No | | | |
| Csmd-/- C3-/- | F | Csmd-/- C3-/- | 5 months | No | | | |
| Csmd-/- C3-/- | F | Csmd-/- C3-/- | 5 months | No | | | |
| Csmd-/- C3-/- | M | WT (2) | 7 months | No | | | |
| Csmd-/- C3-/- | M | WT(1) | 5 months | Yes | 3 | 4 | 3 |
| Csmd-/- C3-/- | M | WT(1) | 5 months | yes | 2 | 7 | 5 |
| Csmd-/- C3-/- | F | WT(1) | 5 months | yes | 4 | 6 | |
| Csmd-/- C3-/- | M | WT(1) | 3 months | No | | | |
| Csmd-/- C3-/- | M | WT(1) | 3 months | Eut'zd | died in delivery | | |
| Csmd-/- C3-/- | M | WT(1) | 3 months | No | | | |
| Csmd-/- C3-/- | F | WT(1) | 3 months | No | | | |
| Csmd-/- C3-/- | F | WT(1) | 3 months | Found Dead | | | |
| Csmd-/- C3-/- | F | WT(1) | 3 months | No | | | |
| Csmd-/- C3-/- | F | WT(1) | 3 months | No | | | |