**Supplementary File 1**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Embryonic stage | Somite | Genotype | DAPI+ cells (ventral epi) | TdT+cells (ventral epi.) | %TdT+cells (ventral epi) | TdT+Casp3+ (ventral epi.) | Mesenchymal TdT+ | MesenchymalTdT+Casp3+ |
| E9.75 | 28s | Control | 55 | 44 | 80 | n/a | 0 | 0 |
| E9.75 | 29s | Control | 51 | 37 | 73 | n/a | 0 | 0 |
| E9.75 | 27s | Control | n/a | n/a | n/a | 0 | 4 | 0 |
| E9.75 | 28s | Control | n/a | n/a | n/a | 0 | 5 | 0 |
| E9.75 | 27s | Control | 59 | 55 | 92 | n/a | 0 | 0 |
| E9.75 | 29s | Mutant | n/a | 28 | n/a | 6 | 8 | 4 |
| E9.75 | 26s | Mutant | n/a | 12 | n/a | 4 | 1 | 0 |
| E9.75 | 27s | Mutant | n/a | 23 | n/a | 0 | 2 | 0 |
| E9.75 | 27-8s | Mutant | n/a | 57 | n/a | 22 | 10 | 2 |
| E9.75 | 29s | Mutant | 82 | 18 | 23 | 11 | 1 | 1 |
| E10.5 | 32s | Control | 76 | 65 | 85 | n/a | 0 | 0 |
| E10.5 | 32s | Control | 67 | 52 | 78 | n/a | 0 | 0 |
| E10.5 | 33s | Control | 80 | 62 | 77 | 3 | 1 | 0 |
| E10.5 | 33s | Mutant | 80 | 11 | 14 | n/a | 4 | 3 |
| E10.5 | 33s | Mutant | 75 | 14 | 19 | 11 | 2 | 2 |
| E10.5 | 31s | Mutant | 78 | 15 | 19 | 9 | 0 | 0 |
| E10.5 | 34s | Mutant | 102 | 7 | 7 | 3 | 4 | 2 |
| E10.5 | 32s | Mutant | n/a | 20 | n/a | 13 | 3 | 3 |