

Table S1. Tumor numbers in DMBA/TPA-treated *Atg7^{fl/fl}* and *Atg7^{Δop}* mice

| Mouse | Genotype | Number of tumors at different times after DMBA treatment (w, week) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----------------------|--------------------------------------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|
| | | w1 | w2 | w3 | w4 | w5 | w6 | w7 | w8 | w9 | w10 | w11 | w12 | w13 | w14 | w15 | w16 | w17 | w18 | w19 | w20 | w21 | w22 | w23 | w24 | w25 | w26 | w27 | w28 | w29 | w30 | w31 | w32 | w33 | w34 | w35 | w36 | w37 | w38 | w39 | w40 | w41 | w42 | w43 | w44 | w45 | w46 | w47 | w48 | w49 | w50 | | |
| WT1 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 5 | 2 | 4 | 4 | 5 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| WT2 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 5 | 4 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| WT3 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 4 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 4 | 4 | 6 | 6 | 5 | 5 | 5 | 7 | 7 | 5 | 5 | 5 | 3 | 2 | 2 | 2 | 2 | 3 | | |
| WT4 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 5 | 9 | 8 | 7 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| WT5 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 7 | 2 | 3 | 2 | 2 | 3 | 9 | 10 | 7 | 6 | 8 | 9 | 7 | 7 | 8 | 7 | 10 | 7 | 7 | 9 | 8 | 7 | 7 | 10 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | | | |
| WT6 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 7 | 8 | 10 | 12 | 10 | 11 | 12 | 13 | 11 | 12 | 12 | 12 | 5 | 5 | 3 | 2 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WT7 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 7 | 13 | 13 | 13 | 13 | 14 | 15 | 9 | 12 | 11 | 14 | 12 | 12 | 14 | 12 | 11 | 9 | 3 | 5 | 3 | 3 | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| WT8 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 4 | 5 | 6 | 11 | 7 | 8 | 11 | 13 | 12 | 11 | 14 | 14 | 11 | 6 | 4 | 4 | 5 | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| WT9 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 4 | 5 | 7 | 9 | 10 | 8 | 4 | 5 | 3 | 7 | 7 | 7 | 8 | 10 | 9 | 10 | 8 | 6 | 6 | 7 | 5 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| WT10 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 5 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | |
| WT11 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 7 | 7 | 8 | 7 | 5 | 5 | 7 | 6 | 5 | 6 | 6 | 6 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 2 | 3 | 2 | 3 | 4 | 4 |
| WT12 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| WT13 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 1 | 0 | 5 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| WT14 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 4 | 4 | 2 | 4 | 5 | 4 | 6 | 7 | 10 | 11 | 9 | 8 | 9 | 8 | 8 | 8 | 10 | 9 | 9 | 7 | 9 | 8 | 8 | 9 | 9 | 10 | 11 | 9 | 8 | 8 | 6 | 7 | 5 | 6 | 4 | |
| WT15 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 5 | 4 | 4 | 3 | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| WT16 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 7 | 9 | 10 | 7 | 7 | 8 | 10 | 9 | 10 | 11 | 9 | 11 | 10 | 10 | 9 | 11 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| WT17 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 3 | 6 | 7 | 6 | 6 | 7 | 7 | 10 | 9 | 8 | 9 | 9 | 12 | 12 | 8 | 11 | 6 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| WT18 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| WT19 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 8 | 7 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| WT20 | Atg7 ^{fl/fl} | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 7 | 5 | 6 | 4 | 6 | 5 | 6 | 7 | 7 | 7 | 8 | 10 | 7 | 9 | 8 | 8 | 8 | 4 | 6 | 5 | 4 | 4 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| EKO1 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| EKO2 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 6 | 3 | 6 | 8 | 9 | 11 | 8 | 7 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| EKO3 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 3 | 6 | 5 | 9 | 5 | 4 | 1 | 1 | 2 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| EKO4 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| EKO5 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 6 | 2 | 5 | 4 | 4 | 3 | 6 | 9 | 7 | 7 | 8 | 7 | 6 | 7 | 7 | 5 | 7 | 5 | 4 | 4 | 4 | 4 | 4 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | | |
| EKO6 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 6 | 7 | 2 | 7 | 5 | 8 | 8 | 7 | 8 | 5 | 5 | 4 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| EKO7 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 7 | 6 | 9 | 9 | 10 | 9 | 11 | 6 | 8 | 7 | 8 | 6 | 6 | 6 | 5 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| EKO8 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| EKO9 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 2 | 2 | 2 | 7 | 7 | 2 | 4 | 4 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| EKO10 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 9 | 7 | 8 | 16 | 9 | 6 | 11 | 8 | 6 | 8 | 7 | 9 | 5 | 4 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| EKO11 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 4 | 4 | 4 | 5 | 4 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 6 | 5 | 5 | 3 | 2 | 4 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| EKO12 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 7 | 10 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| EKO13 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 4 | 5 | 2 | 2 | 2 | 4 | 2 | 6 | 8 | 4 | 5 | 5 | 8 | 4 | 7 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| EKO14 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 5 | 9 | 7 | 5 | 6 | 7 | 3 | 1 | 4 | 1 | 4 | 5 | 3 | 3 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| EKO15 | Atag7 ^{Δop} | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table S2. Tumor volume of *K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}* and *K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}* mice after wounding on both ears, including volumes after death of affected mice

| Mouse | Genotype | Tumor volume (mm ³) at different times after tumor initiation by wounding (w, week) | | | | | | | | |
|--------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | w4 | w5 | w6 | w7 | w8 | w9 | w10 | w11 | w12 |
| WTE1 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 5 | 7 | 19 | 41 | 35 | 39 | 63 | 78 | 65 |
| WTE2 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 3 | 5 | 10 | 9 | 14 | 35 | 47 | 57 | 104 |
| WTE3 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 28 | 79 | 182 | 227 | 337 | 435 | 435 | 590 | 977 |
| WTE4 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 17 | 62 | 123 | 187 | 315 | 424 | 593 | 593 | 593 |
| WTE5 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 28 | 114 | 217 | 426 | 426 | 426 | 426 | 426 | 426 |
| WTE6 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 7 | 15 | 36 | 45 | 53 | 273 | 347 | 347 | 347 |
| WTE7 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 12 | 51 | 149 | 199 | 383 | 587 | 587 | 587 | 587 |
| WTE8 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 93 | 273 | 564 | 564 | 564 | 564 | 564 | 564 | 564 |
| WTE9 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 26 | 242 | 371 | 371 | 371 | 371 | 371 | 371 | 371 |
| WTE10 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 17 | 87 | 220 | 283 | 411 | 586 | 586 | 586 | 586 |
| WTE11 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{fl/fl}</i> | 19 | 122 | 249 | 361 | 361 | 231 | 454 | 601 | 502 |
| EKOE1 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 21 | 47 | 87 | 114 | 99 | 150 | 177 | 185 | 374 |
| EKOE2 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 2 | 3 | 6 | 12 | 18 | 52 | 50 | 59 | 88 |
| EKOE3 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 4 | 3 | 7 | 7 | 11 | 17 | 38 | 52 | 57 |
| EKOE4 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 15 | 15 | 61 | 22 | 25 | 22 | 25 | 23 | 45 |
| EKOE5 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 2 | 4 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| EKOE6 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 4 | 6 | 13 | 33 | 56 | 136 | 151 | 346 | 426 |
| EKOE7 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 4 | 1 | 1 | 2 | 2 | 3 | 5 | 8 | 14 |
| EKOE8 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 10 | 22 | 53 | 77 | 143 | 208 | 258 | 233 | 246 |
| EKOE9 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EKOE10 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δep}</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Legend: The table shows tumor volumes per mouse. After death the last tumor volume is maintained until the end of the study (week 12 after wounding).

Shading: blue, dead.

Table S3. Tumor volume on each ear of *K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}* and *K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}* mice

| Mouse | Genotype | Ear | Tumor volume (mm ³) at different times after tumor initiation by wounding (w, week) | | | | | | | | |
|--------|----------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | w4 | w5 | w6 | w7 | w8 | w9 | w10 | w11 | w12 |
| WTE1 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 4 | 4 | 13 | 38 | 34 | 38 | 62 | 77 | 64 |
| WTE2 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 2 | 4 | 8 | 8 | 13 | 34 | 46 | 56 | 103 |
| WTE3 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 18 | 47 | 109 | 116 | 151 | 173 | 199 | 332 | 349 |
| WTE4 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 8 | 47 | 65 | 111 | 195 | 219 | 295 | 295 | 295 |
| WTE5 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 19 | 62 | 151 | 324 | 324 | 324 | 324 | 324 | 324 |
| WTE6 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 6 | 14 | 33 | 40 | 42 | 259 | 325 | 325 | 325 |
| WTE7 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 8 | 38 | 109 | 139 | 239 | 344 | 344 | 344 | 344 |
| WTE8 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 43 | 155 | 295 | 295 | 295 | 295 | 295 | 295 | 295 |
| WTE9 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 18 | 150 | 217 | 217 | 217 | 217 | 217 | 217 | 217 |
| WTE10 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 14 | 54 | 135 | 151 | 257 | 416 | 416 | 416 | 416 |
| WTE11 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | R | 8 | 69 | 146 | 249 | 210 | 118 | 278 | 364 | 335 |
| WTE1 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 1 | 2 | 6 | 4 | 1 | 2 | 1 | 1 | 1 |
| WTE2 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| WTE3 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 9 | 33 | 73 | 111 | 187 | 261 | 236 | 258 | 628 |
| WTE4 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 8 | 15 | 59 | 75 | 120 | 205 | 299 | 299 | 299 |
| WTE5 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 9 | 52 | 66 | 102 | 102 | 102 | 102 | 102 | 102 |
| WTE6 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 1 | 1 | 3 | 5 | 11 | 14 | 22 | 22 | 22 |
| WTE7 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 4 | 13 | 40 | 60 | 144 | 244 | 244 | 244 | 244 |
| WTE8 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 50 | 118 | 269 | 269 | 269 | 269 | 269 | 269 | 269 |
| WTE9 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 8 | 92 | 155 | 155 | 155 | 155 | 155 | 155 | 155 |
| WTE10 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 4 | 32 | 85 | 132 | 155 | 170 | 170 | 170 | 170 |
| WTE11 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{l/f}</i> | L | 11 | 53 | 103 | 111 | 151 | 113 | 177 | 237 | 167 |
| EKOE1 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 18 | 43 | 79 | 98 | 77 | 86 | 86 | 89 | 174 |
| EKOE2 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 1 | 1 | 3 | 2 | 4 | 4 | 8 | 6 | 6 |
| EKOE3 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 4 | 3 | 6 | 6 | 10 | 17 | 38 | 52 | 57 |
| EKOE4 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 7 | 7 | 48 | 15 | 18 | 19 | 22 | 20 | 42 |
| EKOE5 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| EKOE6 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 1 | 4 | 11 | 29 | 53 | 128 | 141 | 329 | 378 |
| EKOE7 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| EKOE8 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 7 | 16 | 39 | 51 | 82 | 113 | 103 | 85 | 92 |
| EKOE9 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EKOE10 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EKOE1 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 2 | 4 | 8 | 15 | 23 | 64 | 90 | 97 | 199 |
| EKOE2 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 1 | 2 | 2 | 10 | 15 | 48 | 42 | 53 | 82 |
| EKOE3 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| EKOE4 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 8 | 8 | 14 | 6 | 7 | 3 | 2 | 2 | 2 |
| EKOE5 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| EKOE6 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 2 | 2 | 1 | 4 | 3 | 8 | 9 | 17 | 48 |
| EKOE7 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 3 | 1 | 1 | 2 | 2 | 2 | 5 | 8 | 14 |
| EKOE8 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 3 | 5 | 14 | 26 | 61 | 95 | 155 | 148 | 154 |
| EKOE9 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EKOE10 | <i>K5-SOS EGFR^{wa2/wa2} Atg7^{Δ ep}</i> | L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Legend: The table shows tumor volumes on the right (R) and left (L) ear of each mouse. After death the last tumor volume is maintained until the end of the study.

Bold fonts: tumor > 20 mm³. Shading: blue, dead.