

Table 1. Cell Size and Cell Number Are Affected in Wings of Homozygous Mutant Animals

	1	2	3	4	5	6	7
Genotype ^a	Area ^{b,c} (10 ⁶ μm ²)	Overall Size Reduction (%)	Cell Density ^d (Cells/μm ²)	Area Covered per Cell ^e (μm ²)	Cell Size Reduction (%)	Approx. No. of Cells in Measured Area ^{b,f}	Cell Number Reduction (%)
<i>y w; +/Sp</i>	1.47 ± 0.009	—	6.38 × 10 ⁻³ ± 0.1 × 10 ⁻³	157 ± 2.36	—	9379	—
<i>y w; chico²/Sp</i>	1.40 ± 0.018	4.8	6.32 × 10 ⁻³ ± 0.1 × 10 ⁻³	158 ± 2.90	0	8848	5.7
<i>y w; chico²/chico²</i>	0.89 ± 0.009	39.5	7.70 × 10 ⁻³ ± 0.1 × 10 ⁻³	130 ± 1.66	17.2	6853	27

^aFrom females at least eight wings of each genotype were analyzed.

^bThe area of the whole wing was integrated exclusive of the alula and the costal cell.

^cMeasured using NIH Image 1.60.

^dAssessed by counting number of wing hairs on the dorsal wing surface in a 10,000 μm² area just posterior to the PCV.

^eReciprocal of column 3.

^fGenerated by multiplying the values in column 1 by those in column 3.