**Supporting Information Table S8 Segregation of ears obtained from two F$_{1S}$.**

| Cross | Ears | WT | Mutant | Ratio | $\chi^2$ | P-value |
|---|---|---|---|---|---|---|
| | ear-1 | 154 | 139 | 1.11 | 0.77 | 0.3<P<0.5 |
| | ear-2 | 121 | 108 | 1.12 | 0.74 | 0.3<P<0.5 |
| B73/*mn2-m1*×*mn2-m2mn2-m2* | ear-3 | 168 | 146 | 1.15 | 1.54 | 0.2<P<0.3 |
| | ear-4 | 157 | 133 | 1.18 | 1.99 | 0.1<P<0.2 |
| | ear-5 | 143 | 127 | 1.13 | 0.95 | 0.3<P<0.5 |
| | ear-1 | 178 | 159 | 1.12 | 1.07 | 0.3<P<0.5 |
| *mn2-m1mn2-m1*×(+/*mn2-710B*) | ear-2 | 119 | 102 | 1.17 | 1.31 | 0.2<P<0.3 |
| | ear-3 | 105 | 86 | 1.22 | 1.89 | 0.1<P<0.2 |

WT, Wild Type; Mutant, *mn2-m1/mn2-m2* or *mn2-m1/mn2-710B*; $\chi^2_{(0.05,\ 1)}$ =3.84.