

**Table S5 Overlap between *In(2L)t*-affected genes and differentially expressed genes in comparisons involving strain S26**

Comparison	Total Genes	Significant genes <sup>a</sup>	<i>In(2L)t</i> genes <sup>b</sup>	Exp. overlap	Obs. overlap	<i>P</i> <sup>c</sup>
<b>Parental</b>						
S26 vs. S58	7415	1767	124	29.5	43	0.007
S26 vs. Z418	7415	1702	124	28.5	35	0.202
<b>ASE</b>						
S26 vs. S58	2162	81	36	1.3	2	0.901
S26 vs. Z418	4860	178	86	3.1	10	0.001
<b>P2 Dominant</b>						
S26xS58	7415	1365	124	22.8	26	0.541
S26xZ418	7415	2031	124	34.0	33	0.927
<b>Misexpression</b>						
S26xZ418	7415	1269	124	21.2	12	0.039

<sup>a</sup>Genes showing DE, ASE, or the given mode of inheritance in our data.

<sup>b</sup>Number of *In(2L)t*-affected genes that were included in our analyzed gene set.

<sup>c</sup>*P*-value of  $\chi^2$ -test.