

**Table S3: Exact p-values for Chi-squared test with the Yates correction for comparing the number of genes between genotypes with called H3K9me2 promoter peaks**

		<b>Genes with H3K9me2 promoter peaks</b>							
		N2 20°C	<i>lin-15B</i> 20°C	<i>lin-35</i> 20°C	<i>lin-37</i> 20°C	N2 26°C	<i>lin-15B</i> 26°C	<i>lin-35</i> 26°C	<i>lin-37</i> 26°C
<b>Genes with H3K9me2 promoter peaks</b>	N2 20°C	NA	< 0.0001	0.0059	0.0040	ns	< 0.0001	ns	ns
	<i>lin-15B</i> 20°C		NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
	<i>lin-35</i> 20°C			NA	ns	0.0072	0.0008	0.0089	< 0.0001
	<i>lin-37</i> 20°C				NA	0.0050	0.0012	0.0061	< 0.0001
	N2 26°C					NA	< 0.0001	ns	ns
	<i>lin-15B</i> 26°C						NA	< 0.0001	< 0.0001
	<i>lin-35</i> 26°C							NA	ns
	<i>lin-37</i> 26°C								NA

Significance cut-off of p-value  $\leq 0.01$