

Table S3: Explanatory power of small motifs after removing CB4856 deletions

| Sequence(s) | Resolution | N2 sequence p-value | ≥ 100 bp deletion p- value | ≥ 50 bp deletion p- value | ≥ 20 bp deletion p-value |
|-------------|------------|------------------------|---------------------------------------|--------------------------------------|----------------------------------|
| AACA | Full | 0.004 | 0.002 | 0.004 | 0.002 |
| GGATAG | 25 kb | 0.040 | 0.037 | 0.022 | 0.046 |

Significance reported in Table 3 is listed here as “N2 sequence p-value.” Subsequent columns indicate the lengths of CB4856 deletions (Thompson et al., 2015) removed from the N2 sequence. Permutation tests were performed as described in the Materials and Methods and Figure S2 on edited DNA sequence.