**Figure S7: FUR binding site motifs proposed in literature.** (A) Classical 19 bp (9-1-9) inverted repeat sequence model [de Lorenzo et al., 1987]. (B) The 7-1-7 model as described in [Baichoo and Helmann, 2002]. Interactions between both monomer A and B of Slr1738 and this model are shown in green and red respectively. (C) 18 bp model (6-6-6) which is simple addition of adjacent GATAAT hexamer unit [Escolar et al., 1998].

A) Classical 9-1-9 model  
B) 7-1-7 model  
C) 6-6-6 model

\[
\begin{align*}
\text{GATAATGATAATCATTATC} & \quad \text{GATAATGATAATCATTATC} & \quad \text{GATAATGATAATGATAATCATTATC} \\
\text{CTATTACTATTAGTAATAG} & \quad \text{CTATTACTATTAGTAATAG} & \quad \text{CTATTACTATTACTATTACTATTA}
\end{align*}
\]