BS #1
5'-tgGTagc·gctACca-3'
3'-acCAtcg·cgaTGgt-5'

BS #2
5'-tgAGagc·gctCTca-3'
3'-acTCtcg·cgaGAgt-5'

BS #3
5'-tgGTagc·gctCTca-3'
3'-acCAtcg·cgaGAgt-5'

BS #4
5'-tgAGagc·gctACca-3'
3'-acTCtcg·cgaTGgt-5'

Table S3: Examples of two-strand-detailed binding sites (BSs). A dot distinguishes the half sites. #1 and #2 are palindromes. Non-palindromic BSs #3 and #4, built from mixed combinations of the palindromes' half sites, are identical excepting orientation. NT-4 and NT-5 positions are colored to help visualization (compare with Figure 3.A, main text). The rest of positions arbitrarily displays the nucleotides of SymL (see Figure 4.C in main text and Table S2).