

MA0742.1.Klf12

n = 162

KO
WT

1.14
0.17

-100

0

99

Sequence logo showing nucleotide conservation across the MA0742.1.Klf12 binding site. The x-axis represents the position from -100 to 99, centered on the binding site (position 0). The y-axis represents the information content (bits) at each position, ranging from 0.17 to 1.14. Two lines are plotted: a red line for the KO (knockout) condition and a blue line for the WT (wild-type) condition. The WT line shows a prominent peak at position 0, reaching approximately 1.14 bits, while the KO line shows a slightly lower peak at the same position, reaching approximately 1.10 bits. Both lines show significant peaks at positions -10 and 10, and smaller peaks at positions -20 and 20. The sequence logo at the bottom indicates the nucleotide composition at each position, with the most conserved nucleotides being G, A, C, and T.