



| bits                                                   | Optimized motif | location | MI (bits) | z-score | Robustness | Position bias | orientation bias | conservation index | seed     | motif name |
|--------------------------------------------------------|-----------------|----------|-----------|---------|------------|---------------|------------------|--------------------|----------|------------|
| bits<br>0 2<br>1<br>2 1 1 1 1 1 1 1 1<br>3 4 5 6 7 8 9 | CTCATCG         | 5'       | 0.065     | 42.4    | 10/10      | Y             | -                | 1.00               | CTCATCG  | PAC        |
| bits<br>0 2<br>1<br>2 1 1 1 1 1 1 1 1<br>3 4 5 6 7 8 9 | AATTTTC         | 5'       | 0.020     | 9.8     | 9/10       | Y             | -                | 0.98               | AATTTTC  | -          |
| bits<br>0 2<br>1<br>2 1 1 1 1 1 1 1 1<br>3 4 5 6 7 8 9 | AAAAAAT         | 5'       | 0.017     | 7.3     | 6/10       | -             | -                | 0.97               | AAAAAAT  | -          |
| bits<br>0 2<br>1<br>2 1 1 1 1 1 1 1 1<br>3 4 5 6 7 8 9 | CCCCCT          | 5'       | 0.035     | 21.2    | 10/10      | Y             | ←                | 1.00               | CCCCCTTA | MSN24      |
| bits<br>0 2<br>1<br>2 1 1 1 1 1 1 1 1<br>3 4 5 6 7 8 9 | AGAGGGG         | 5'       | 0.024     | 12.6    | 10/10      | -             | ←                | 1.00               | AGAGGGG  | -          |
| bits<br>0 2<br>1<br>2 1 1 1 1 1 1 1 1<br>3 4 5 6 7 8 9 | CAAGGGG         | 5'       | 0.018     | 7.6     | 6/10       | -             | -                | 1.00               | CAAGGGG  | MSN24      |
| bits<br>0 2<br>1<br>2 1 1 1 1 1 1 1 1<br>3 4 5 6 7 8 9 | CCGTACA         | 5'       | 0.025     | 12.4    | 10/10      | Y             | →                | 0.96               | CCGTACA  | RAP1       |
| bits<br>0 2<br>1<br>2 1 1 1 1 1 1 1 1<br>3 4 5 6 7 8 9 | TTGCCAC         | 5'       | 0.025     | 13.1    | 10/10      | Y             | -                | 1.00               | TTGCCAC  | RPN4       |