



| Optimized motif | location | MI (bits) | z-score | robustness | Position bias | orientation bias | conservation index | seed    | motif name |
|-----------------|----------|-----------|---------|------------|---------------|------------------|--------------------|---------|------------|
|                 | 5'       | 0.076     | 50.7    | 10/10      | Y             | -                | 1.00               | CTCATCG | PAC        |
|                 | 5'       | 0.045     | 28.2    | 10/10      | Y             | -                | 1.00               | AAAGGGG | PAC        |
|                 | 5'       | 0.027     | 14.7    | 10/10      | Y             | -                | 1.00               | CCCCTAA | -          |
|                 | 5'       | 0.025     | 13.2    | 10/10      | -             | -                | 0.99               | TGCCACC | -          |
|                 | 5'       | 0.019     | 8.8     | 7/10       | -             | -                | 0.97               | AGCGGGG | -          |
|                 | 5'       | 0.018     | 8.4     | 8/10       | -             | →                | 0.98               | GAGTGGC | -          |
|                 | 3' UTR   | 0.025     | 13.2    | 10/10      | -             | →                | 1.00               | GUAAAUA | PUF3       |