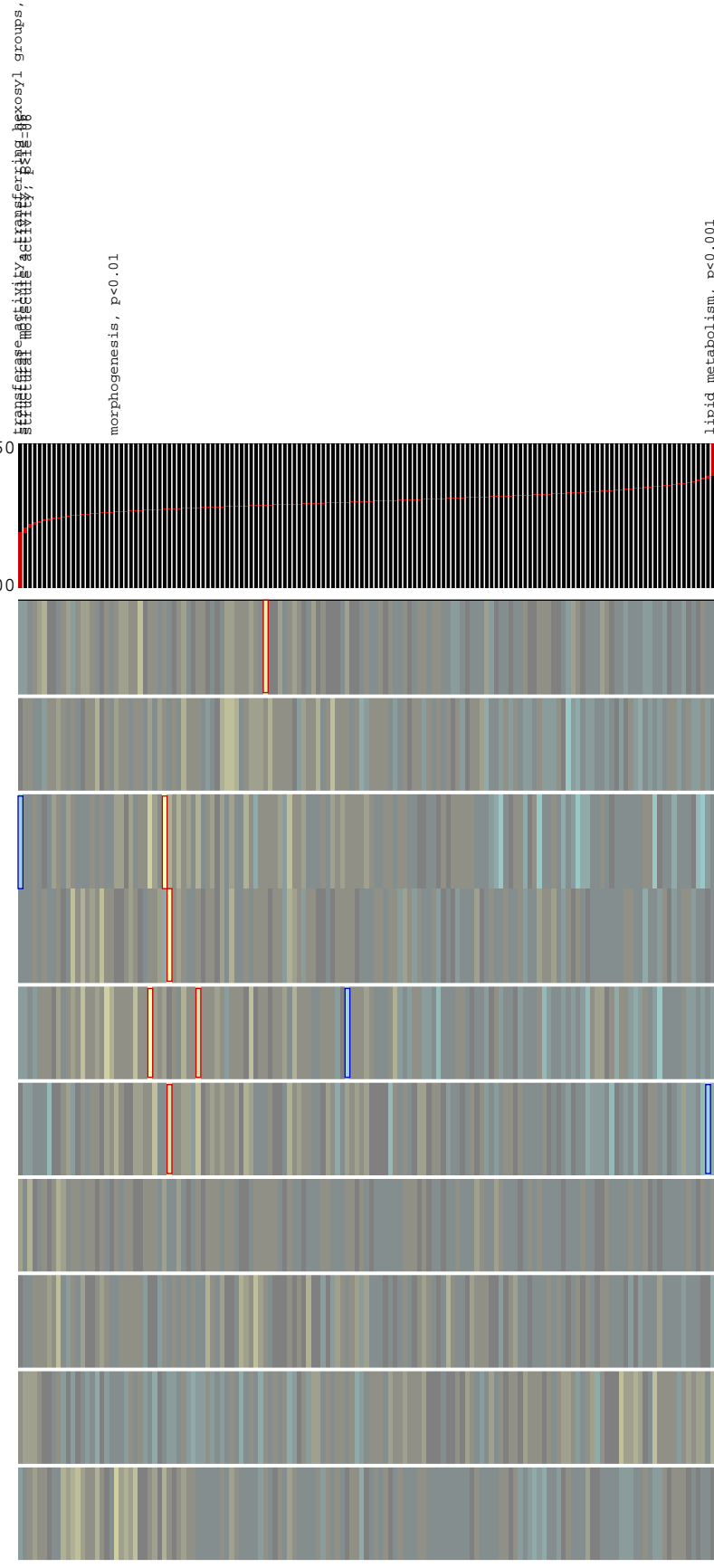


over-representation



under-representation



transferase activity, peptidase activity, morphogenesis, p<0.01

lipid metabolism, p<0.001

| bits | optimized motif | location | MI (bits) | z-score | robustness | position bias | orientation bias | conservation index | seed | motif name |
|------|-----------------|----------|-----------|---------|------------|---------------|------------------|--------------------|------|------------|
| | 5' | 0.016 | 9.3 | 10/10 | - | - | 0.99 | CGAGACC | - | |
| | 5' | 0.015 | 9.8 | 10/10 | - | - | 0.99 | AAATCGA | - | |
| | 3'UTR | 0.015 | 9.1 | 10/10 | - | → | 1.00 | UCAUCUC | - | |
| | 5' | 0.013 | 7.0 | 6/10 | - | - | 0.97 | ATTGCGA | - | |
| | 3'UTR | 0.014 | 8.2 | 6/10 | - | → | 0.96 | UUCUUUU | - | |
| | 5' | 0.014 | 7.8 | 8/10 | - | → | 1.00 | CGCGCTC | - | |
| | 5' | 0.014 | 6.6 | 8/10 | - | ← | 0.70 | ACGATCG | - | |
| | 5' | 0.013 | 6.7 | 6/10 | - | ← | 0.92 | ACCGCAG | - | |
| | 5' | 0.013 | 6.7 | 7/10 | - | ← | 0.55 | TACATAC | - | |
| | 5' | 0.013 | 6.4 | 7/10 | - | - | 0.94 | ACGTGAA | - | |