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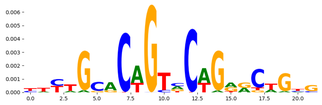
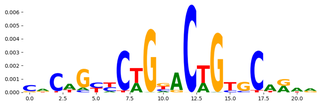
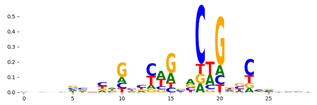
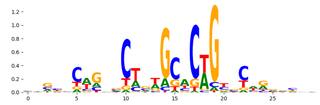
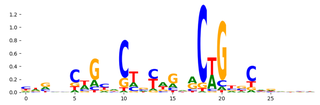
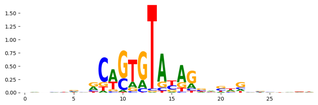
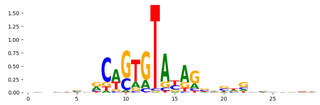
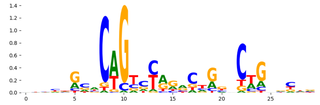
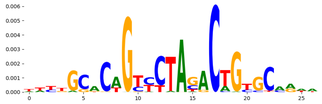
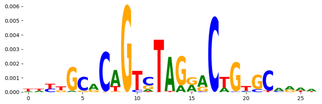
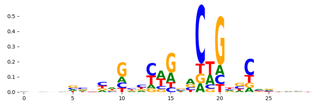
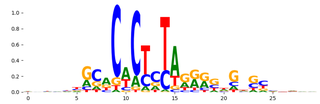
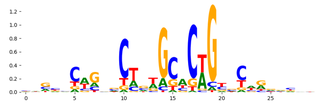
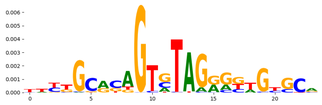
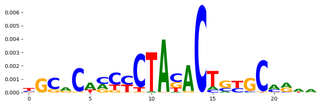
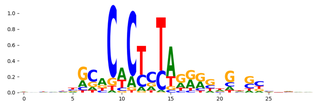
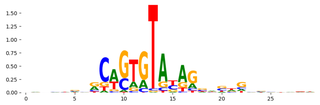
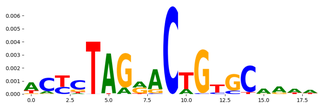
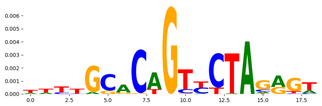
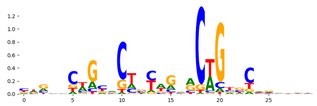
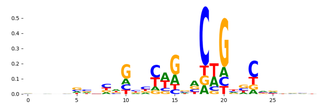
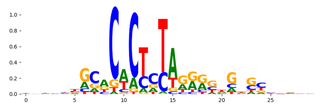
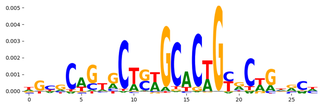
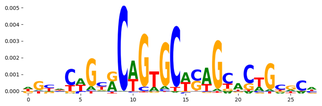
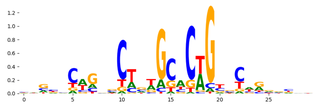
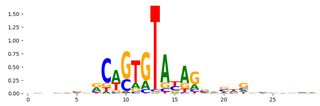
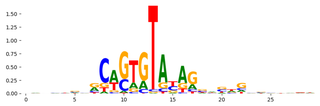
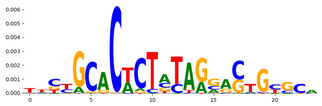
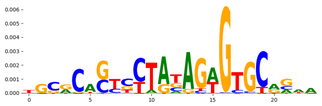
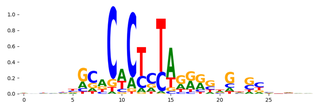
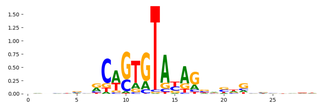
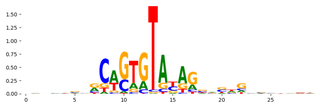
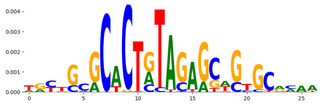
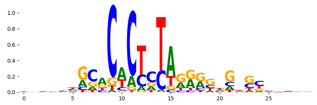
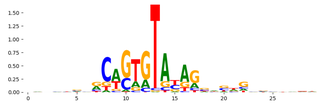
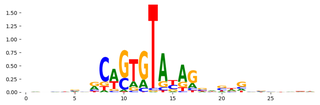
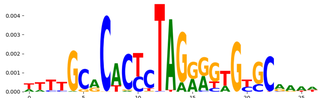
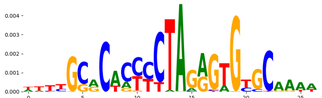
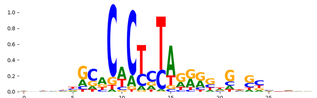
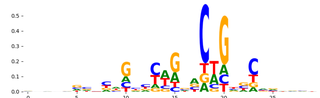
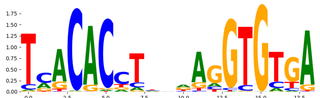
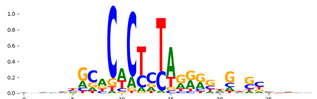
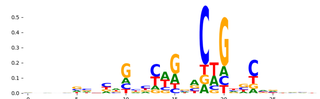
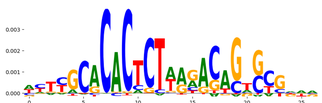
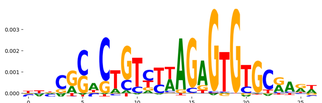
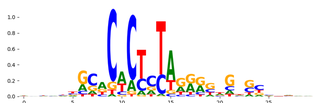
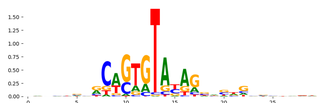
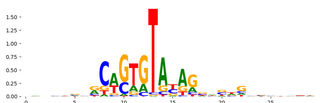
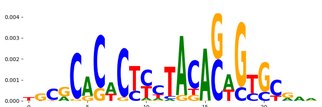
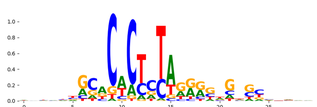
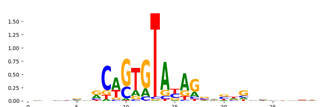
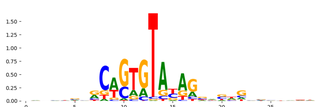
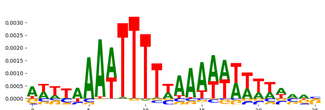
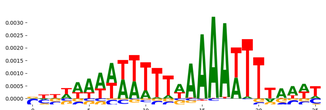
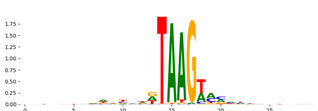
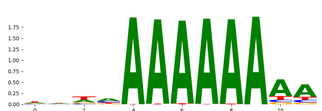
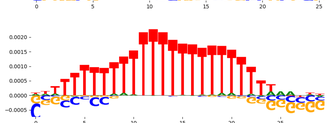
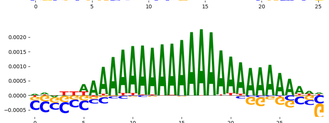
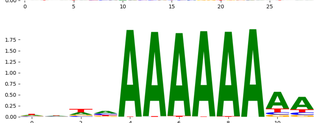
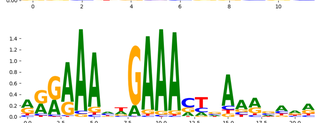
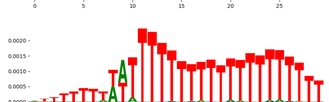
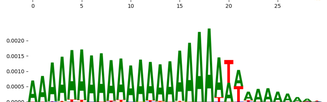
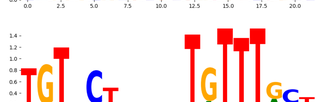
| pos_patterns.pattern_0 | 9047 |  |  | TN5_1 | 1.192810e-09 |  | TN5_2 | 9.893430e-09 |  | TN5_7 | 0.000164 |  |
| pos_patterns.pattern_1 | 6361 | | | TN5_4 | 2.094450e-02 |  | TN5_5 | 2.094450e-02 |  | TN5_8 | 0.027633 |  |
| pos_patterns.pattern_2 | 4189 |  |  | TN5_1 | 1.160230e-07 |  | TN5_3 | 7.883950e-06 |  | TN5_2 | 0.002422 |  |
| pos_patterns.pattern_3 | 3277 |  |  | TN5_3 | 2.453730e-01 |  | KLF4_MA0039.3 | 3.233650e-01 | | TN5_4 | 0.323365 |  |
| pos_patterns.pattern_4 | 3004 |  |  | TN5_7 | 2.308130e-02 |  | TN5_1 | 2.897190e-02 |  | TN5_3 | 0.080177 |  |
| pos_patterns.pattern_5 | 2541 |  |  | TN5_2 | 2.959000e-20 |  | TN5_4 | 2.913960e-06 |  | TN5_5 | 0.000003 |  |
| pos_patterns.pattern_6 | 1017 |  |  | TN5_3 | 2.006130e-06 |  | TN5_4 | 5.597970e-03 |  | TN5_5 | 0.005598 |  |
| pos_patterns.pattern_7 | 949 |  | | TN5_3 | 1.465400e-06 |  | TN5_4 | 5.462450e-06 |  | TN5_5 | 0.000005 |  |
| pos_patterns.pattern_8 | 915 |  |  | TN5_3 | 3.280700e-13 |  | TN5_1 | 2.284950e-03 |  | TBX21_TBX_3 | 0.026927 |  |
| pos_patterns.pattern_9 | 767 | | | TN5_3 | 2.775620e-04 |  | TN5_1 | 3.042320e-02 |  | TN5_2 | 0.195808 | |
| pos_patterns.pattern_10 | 627 |  |  | TN5_3 | 6.143370e-04 |  | TN5_4 | 2.443650e-02 |  | TN5_5 | 0.024436 |  |
| pos_patterns.pattern_11 | 367 | |  | TN5_3 | 3.760040e-03 |  | TN5_4 | 6.151670e-03 |  | TN5_5 | 0.006152 |  |
| pos_patterns.pattern_12 | 146 |  |  | DNASE_2 | 9.010930e-01 |  | ZNF384_MA1125.1 | 9.010930e-01 |  | POU3F3_POU_2 | 1.000000 | |
| pos_patterns.pattern_13 | 133 |  |  | ZNF384_MA1125.1 | 7.951510e-02 |  | PRDM6_HUMAN.H11MO.0.C | 8.377140e-02 | | STAT1_MOUSE.H11MO.0.A | 0.182921 |  |
| pos_patterns.pattern_14 | 128 |  |  | ZNF384_MA1125.1 | 6.785880e-02 | | PRDM6_HUMAN.H11MO.0.C | 6.785880e-02 | | ANDR_HUMAN.H11MO.0.A | 0.213157 |  |

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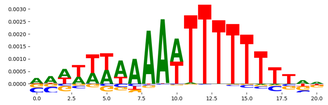
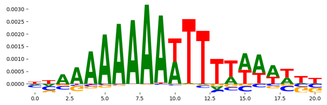
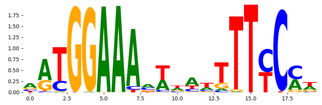
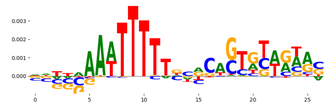
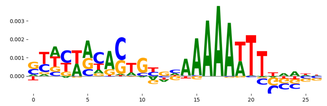
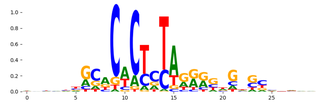
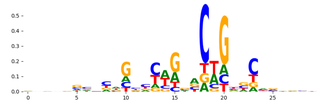
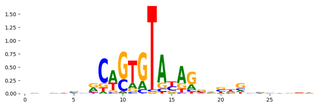
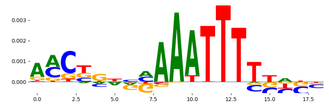
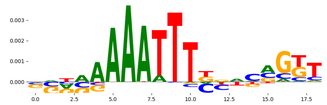
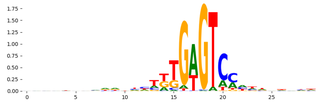
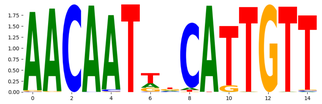
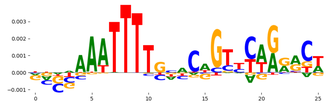
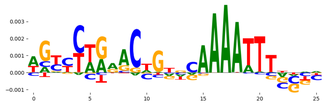
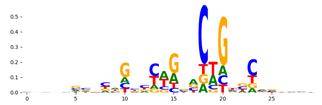
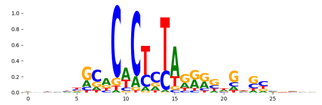
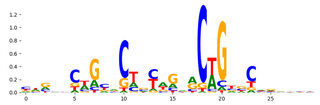
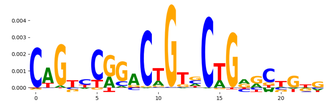
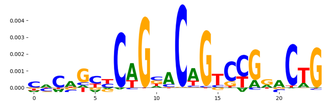
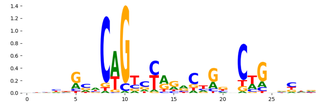
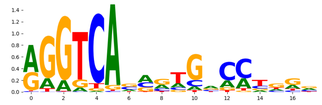
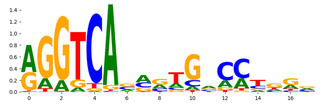
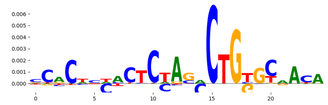
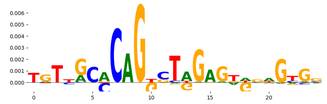
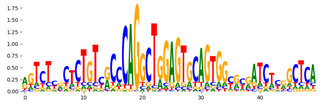
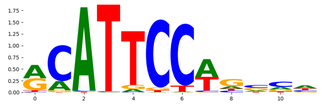
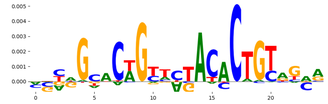
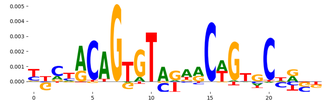
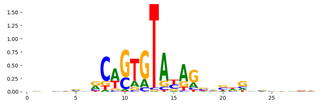
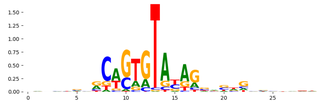
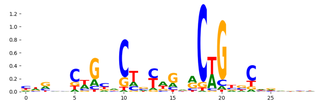
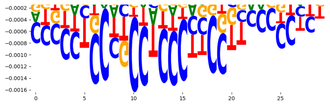
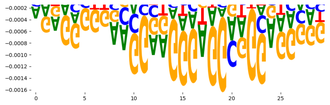
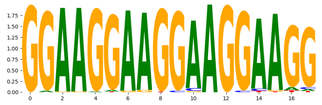
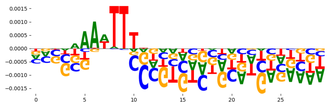
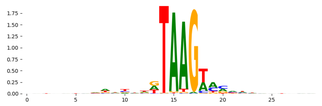
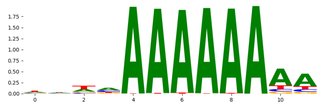
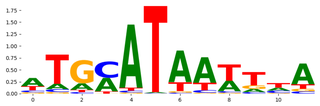
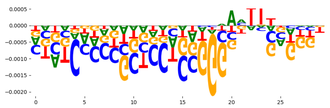
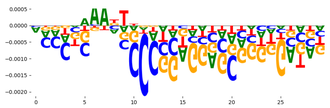
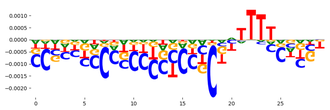
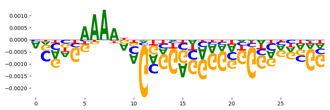
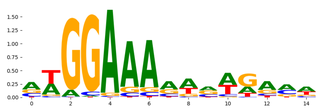
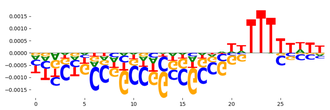
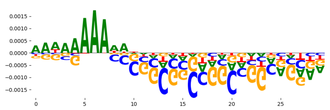
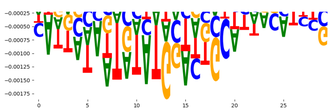
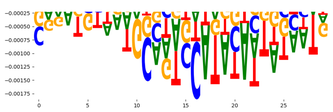
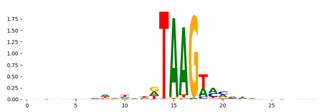
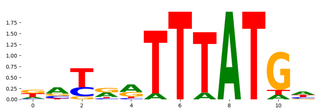
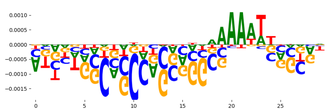
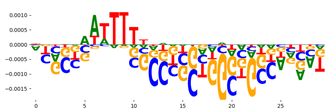
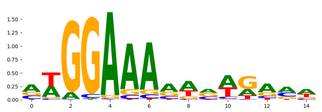
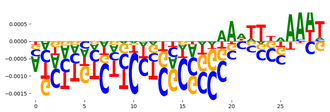
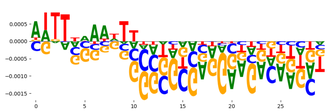
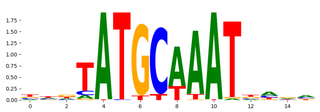
| pos_patterns.pattern_15 | 126 |  |  | HOMEZ_HOMEZ_1 | 1.000000e-00 | | NFATC1_NFAT_1 | 1.000000e-00 |  | FOXD2_forkhead_1 | 1.000000 | |
| pos_patterns.pattern_16 | 98 |  |  | TN3_3 | 6.799950e-02 |  | TN5_1 | 6.915980e-01 |  | TN5_4 | 0.948124 |  |
| pos_patterns.pattern_17 | 90 |  |  | DNASE_4 | 1.000000e-00 |  | SOX18_HMG_1 | 1.000000e-00 |  | Sox10.mouse_HMG_1 | 1.000000 | |
| pos_patterns.pattern_18 | 60 |  |  | TN5_1 | 5.881600e-02 |  | TN5_3 | 5.881600e-02 |  | TN5_7 | 0.382920 |  |
| pos_patterns.pattern_19 | 58 |  |  | TN5_8 | 7.104100e-04 |  | RARG_HUMAN.H11MO.0.B | 1.168770e-01 |  | RARG_MOUSE.H11MO.0.C | 0.116877 |  |
| pos_patterns.pattern_20 | 41 |  |  | TN5_6 | 1.670890e-11 |  | TEAD1_HUMAN.H11MO.0.A | 6.634160e-01 |  | TEAD2_MA1121.1 | 0.838196 | |
| pos_patterns.pattern_21 | 25 |  |  | TN5_4 | 9.094690e-03 |  | TN5_5 | 9.094690e-03 |  | TN5_7 | 1.000000 |  |
| neg_patterns.pattern_0 | 97 |  |  | EWSR1-FLI1_MA0149.1 | 6.608820e-04 |  | FLI1_HUMAN.H11MO.0.A | 6.222360e-03 | | ELF5_MOUSE.H11MO.0.A | 0.013358 | |
| neg_patterns.pattern_1 | 91 | |  | DNASE_2 | 3.955230e-01 |  | ZNF384_MA1125.1 | 8.580110e-01 |  | POU3F1_POU_2 | 1.000000 |  |
| neg_patterns.pattern_2 | 81 |  |  | NFAC4_HUMAN.H11MO.0.C | 1.000000e-00 | | NFAC4_MOUSE.H11MO.0.C | 1.000000e-00 | | NFAC2_HUMAN.H11MO.0.B | 1.000000 | |
| neg_patterns.pattern_3 | 68 |  |  | NFAC1_HUMAN.H11MO.0.B | 1.286280e-01 |  | SPIB_HUMAN.H11MO.0.A | 1.286280e-01 | | SPI1_HUMAN.H11MO.0.A | 0.128628 | |
| neg_patterns.pattern_4 | 59 |  |  | FOXJ3_HUMAN.H11MO.0.A | 6.540910e-04 | | FOXJ3_MOUSE.H11MO.0.A | 6.540910e-04 | | ZNF384_MA1125.1 | 0.000913 | |
| neg_patterns.pattern_5 | 56 |  |  | DNASE_2 | 3.199040e-01 |  | POU3F3_POU_3 | 3.199040e-01 | | HXA10_HUMAN.H11MO.0.C | 0.319904 |  |
| neg_patterns.pattern_6 | 51 |  |  | NFAC1_HUMAN.H11MO.0.B | 5.913550e-01 |  | ZNF384_MA1125.1 | 5.913550e-01 | | PRDM6_HUMAN.H11MO.0.C | 0.591355 | |
| neg_patterns.pattern_7 | 49 |  |  | PRDM6_HUMAN.H11MO.0.C | 1.306940e-01 | | LIN54_MA0619.1 | 4.309100e-01 | | Pou2f1_MA0627.1 | 0.466281 |  |

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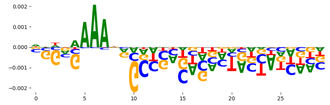
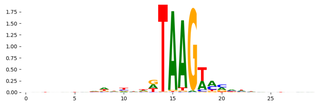
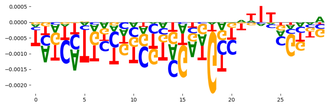
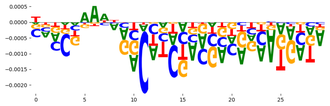
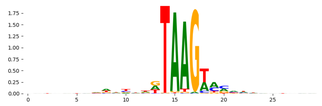
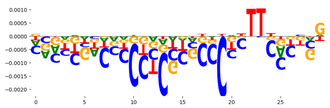
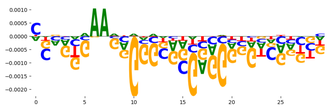
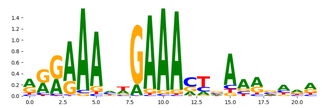
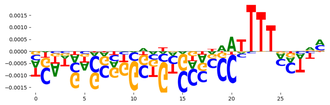
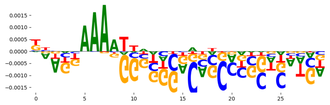
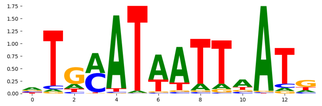
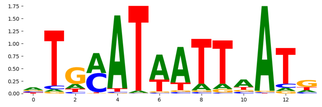
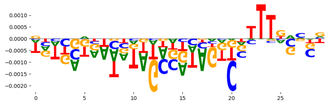
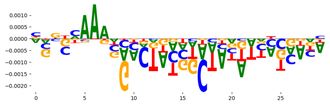
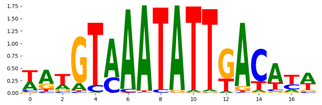
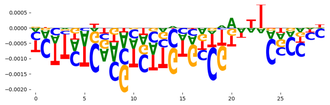
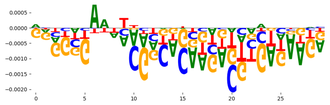
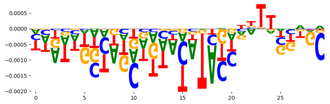
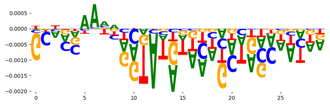
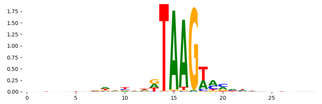
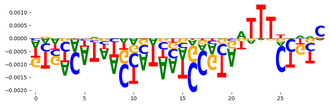
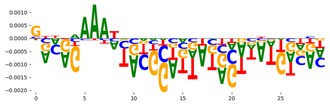
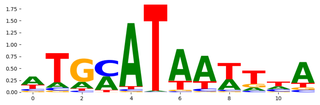
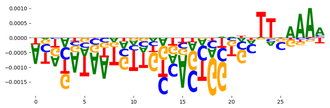
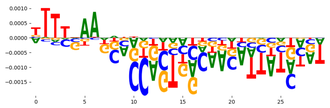
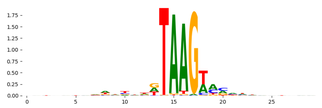
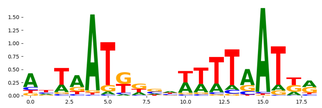
| neg_patterns.pattern_8 | 49 | |  | FOXD2_forkhead_1 | 9.302730e-02 | | HOMEZ_HOMEZ_1 | 1.644190e-01 | | DNASE_2 | 0.364419 |  |
| neg_patterns.pattern_9 | 39 |  |  | ZNF384_MA1125.1 | 1.678080e-02 | | DNASE_2 | 3.909680e-01 |  | PRDM6_HUMAN.H11MO.0.C | 0.958215 | |
| neg_patterns.pattern_10 | 37 |  |  | SPI1_HUMAN.H11MO.0.A | 3.860500e-02 | | STAT1_MOUSE.H11MO.0.A | 3.860500e-02 |  | SPIB_HUMAN.H11MO.0.A | 0.038605 | |
| neg_patterns.pattern_11 | 32 |  |  | POU4F1_MA0790.1 | 9.920050e-01 |  | POU4F1_POU_1 | 9.920050e-01 |  | NFAC4_HUMAN.H11MO.0.C | 0.992005 | |
| neg_patterns.pattern_12 | 32 |  |  | FOXB1_forkhead_2 | 7.450440e-01 |  | FOXD2_forkhead_1 | 7.450440e-01 | | HOMEZ_HOMEZ_1 | 0.745044 | |
| neg_patterns.pattern_13 | 32 |  |  | ZNF384_MA1125.1 | 8.048440e-02 | | SRY_HUMAN.H11MO.0.B | 2.269160e-01 | | SRY_MOUSE.H11MO.0.B | 0.226916 | |
| neg_patterns.pattern_14 | 32 |  |  | DNASE_2 | 1.605350e-01 |  | ONECUT3_CUT_1 | 2.909860e-01 | | ONECUT3_MA0757.1 | 0.290986 | |
| neg_patterns.pattern_15 | 31 |  |  | POU3F3_MA0788.1 | 4.425760e-01 | | POU3F3_POU_1 | 4.425760e-01 | | POU3F1_POU_2 | 0.442576 |  |
| neg_patterns.pattern_16 | 31 |  |  | DNASE_2 | 1.382850e-01 |  | NKX61_MOUSE.H11MO.0.A | 1.000000e+00 |  | ONECUT3_CUT_1 | 1.000000 | |