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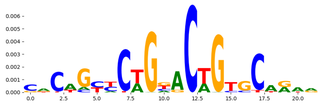
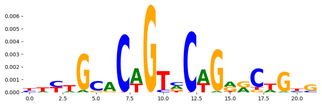
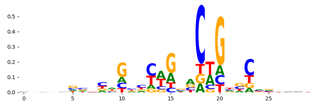
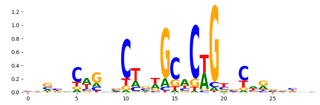
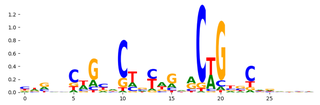
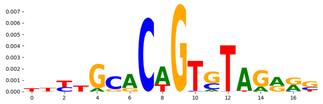
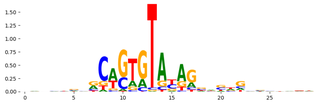
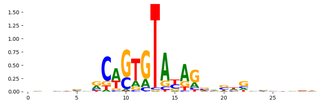
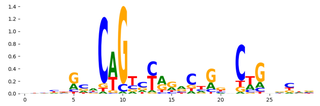
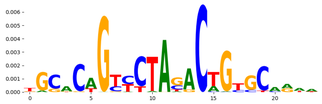
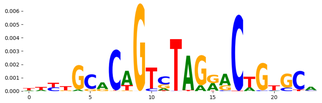
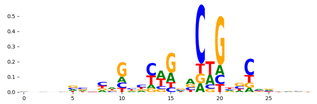
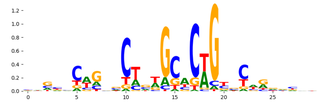
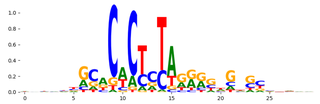
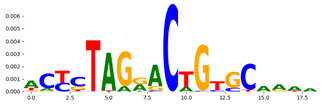
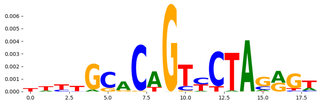
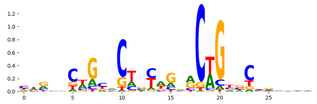
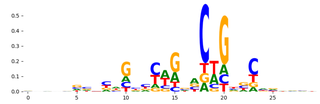
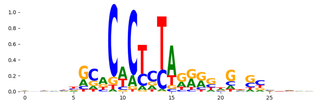
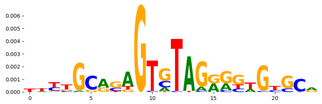
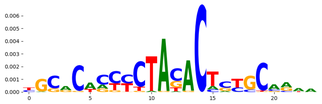
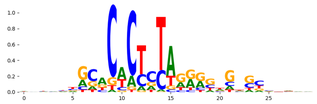
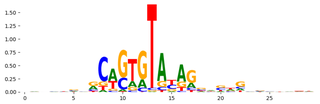
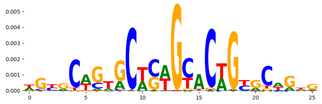
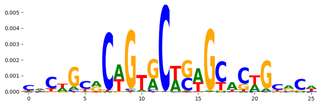
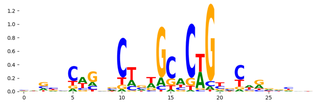
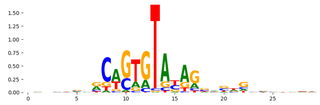
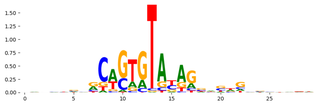
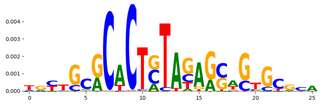
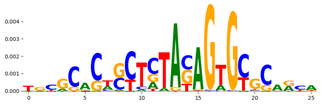
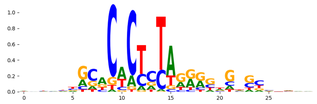
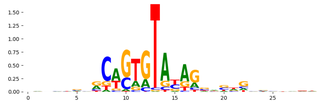
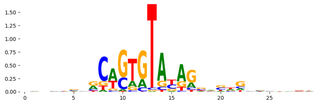
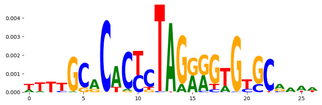
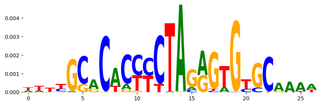
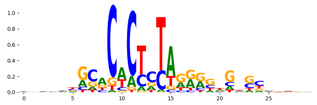
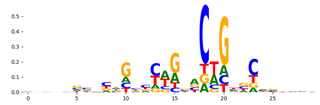
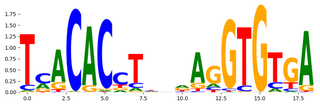
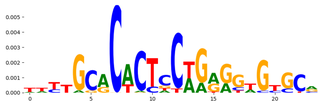
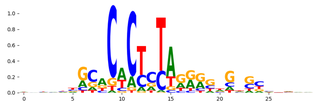
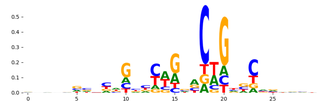
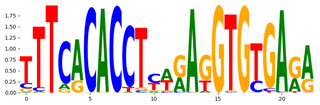
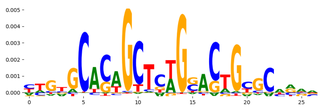
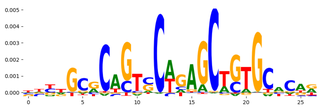
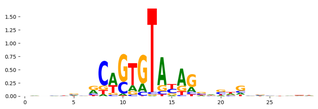
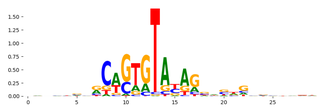
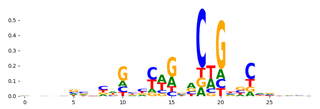
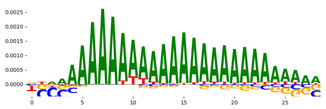
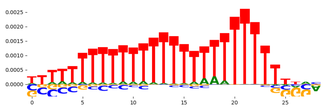
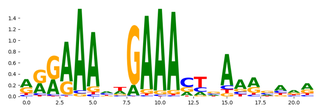
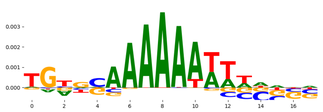
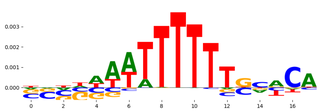
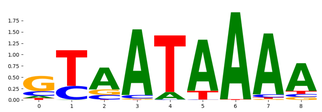
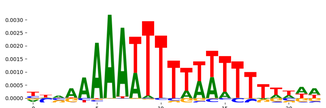
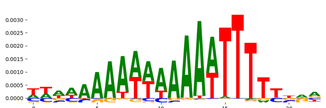
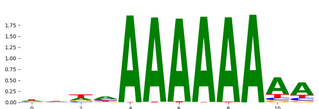
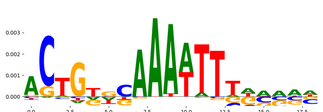
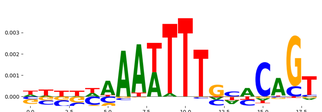
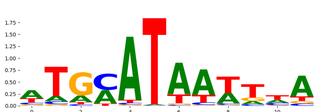
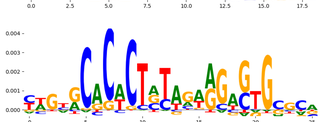
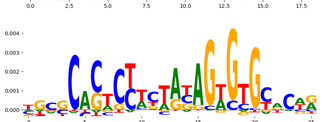
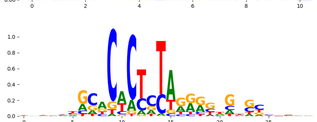
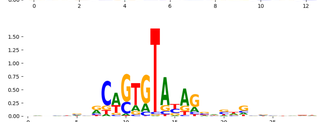
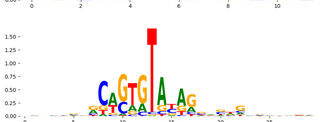
| pos_patterns.pattern_0 | 8316 |  |  | TN5_1 | 1.012050e-09 |  | TN5_2 | 5.214110e-09 |  | TN5_7 | 0.000281 |  |
| pos_patterns.pattern_1 | 6095 |  | | TN5_4 | 2.464950e-02 |  | TN5_5 | 2.464950e-02 |  | TN5_8 | 0.036485 |  |
| pos_patterns.pattern_2 | 4192 |  |  | TN5_1 | 4.948020e-05 |  | TN5_2 | 4.948020e-05 |  | TN5_3 | 0.000727 |  |
| pos_patterns.pattern_3 | 3427 |  |  | TN5_7 | 2.160010e-02 |  | TN5_1 | 2.787090e-02 |  | TN5_3 | 0.062360 |  |
| pos_patterns.pattern_4 | 3134 |  |  | TN5_3 | 1.290460e-01 |  | KLF4_MA0039.3 | 1.290460e-01 | | TN5_4 | 0.129046 |  |
| pos_patterns.pattern_5 | 2569 |  |  | TN5_2 | 6.214200e-11 |  | TN5_4 | 3.156880e-03 |  | TN5_5 | 0.003157 |  |
| pos_patterns.pattern_6 | 2524 |  |  | TN5_3 | 4.274200e-09 |  | TN5_4 | 2.671300e-06 |  | TN5_5 | 0.000003 |  |
| pos_patterns.pattern_7 | 912 |  |  | TN5_3 | 7.596790e-14 |  | TN5_1 | 1.311130e-03 |  | TBX21_TBX_3 | 0.017374 |  |
| pos_patterns.pattern_8 | 822 |  | | TN5_3 | 1.111940e-04 |  | TN5_1 | 2.813550e-02 |  | TBX1_TBX_4 | 0.087364 |  |
| pos_patterns.pattern_9 | 412 |  |  | TN5_4 | 6.944640e-04 |  | TN5_5 | 6.944640e-04 |  | TN5_1 | 0.000694 |  |
| pos_patterns.pattern_10 | 232 |  |  | ZNF384_MA1125.1 | 6.239360e-02 | | PRDM6_HUMAN.H11MO.0.C | 6.239360e-02 | | STAT1_MOUSE.H11MO.0.A | 0.090932 |  |
| pos_patterns.pattern_11 | 209 |  |  | ZNF384_MA1125.1 | 1.000000e+00 | | HOXD12_homeodomain_1 | 1.000000e+00 |  | Hoxc10.mouse_homeodomain_2 | 1.000000 | |
| pos_patterns.pattern_12 | 164 |  |  | ZNF384_MA1125.1 | 6.609000e-01 |  | FOXD3_HUMAN.H11MO.0.C | 6.609000e-01 | | FOXD3_MOUSE.H11MO.0.C | 0.660900 | |
| pos_patterns.pattern_13 | 137 |  |  | POU3F4_POU_2 | 3.798150e-01 | | POU3F2_POU_1 | 4.569570e-01 | | POU3F1_POU_2 | 0.574908 |  |
| pos_patterns.pattern_14 | 119 |  |  | TN5_3 | 2.030680e-08 |  | TN5_4 | 2.524990e-02 |  | TN5_5 | 0.025250 |  |

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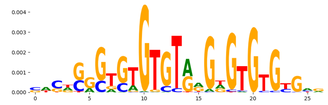
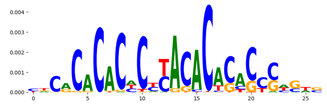
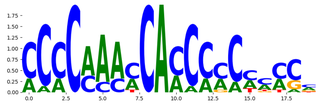
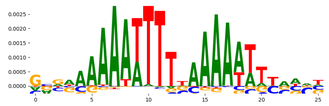
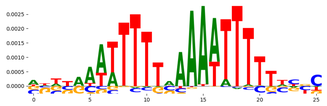
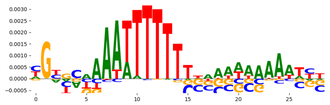
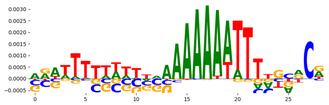
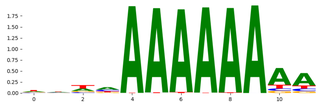
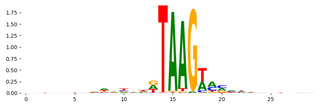
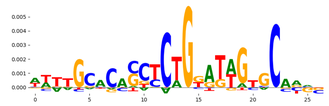
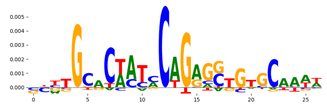
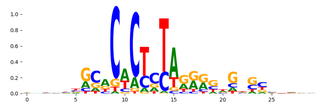
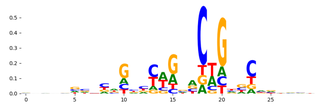
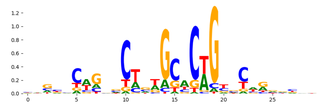
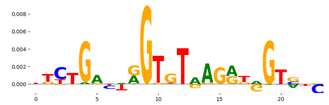
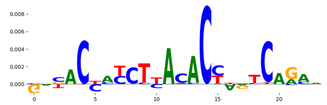
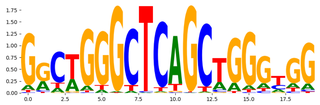
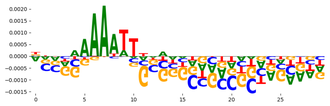
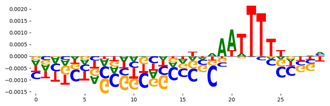
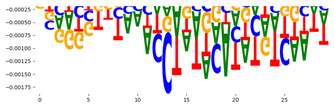
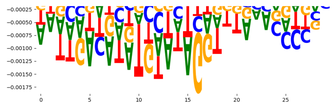
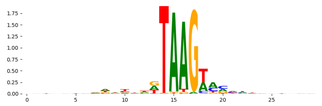
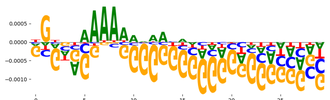
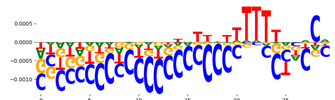
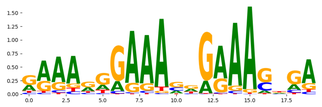
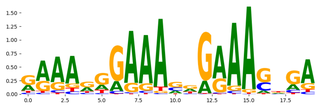
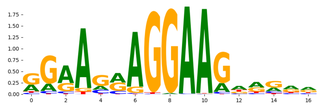
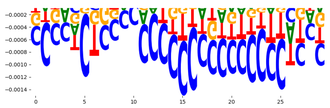
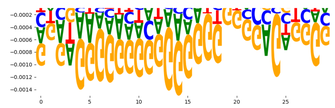
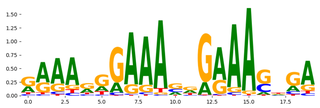
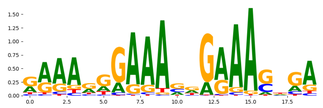
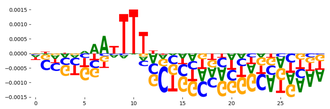
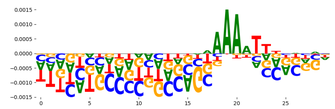
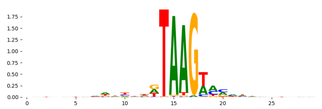
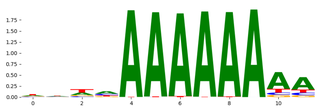
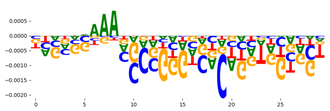
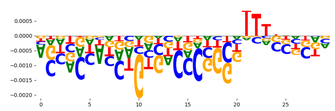
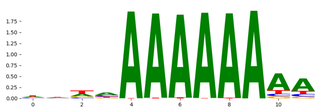
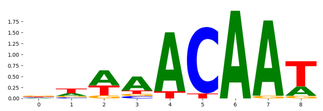
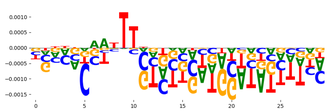
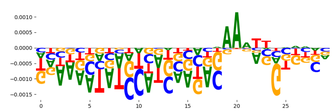
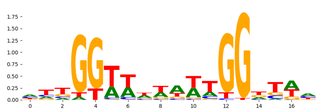
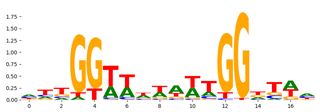
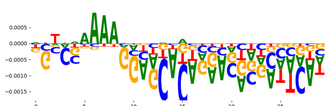
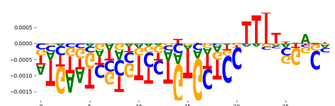
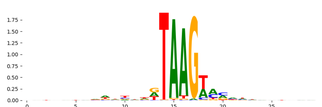
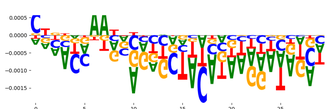
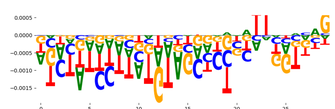
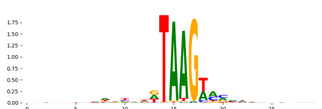
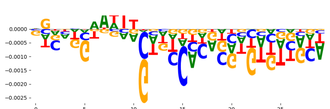
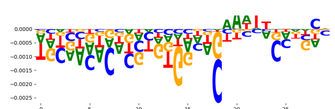
| pos_patterns.pattern_15 | 116 |  |  | RREB1_MA0073.1 | 1.000000e+00 |  | EGR2_HUMAN.H11MO.0.A | 1.000000e+00 | | EGR1_HUMAN.H11MO.0.A | 1.000000 | |
| pos_patterns.pattern_16 | 97 |  |  | ZNF384_MA1125.1 | 1.000000e+00 | | ONECUT3_CUT_1 | 1.000000e+00 | | ONECUT3_MA0757.1 | 1.000000 | |
| pos_patterns.pattern_17 | 51 |  |  | ZNF384_MA1125.1 | 1.477330e-01 |  | DNASE_2 | 1.477330e-01 |  | BARX1_MOUSE.H11MO.0.C | 1.000000 | |
| pos_patterns.pattern_18 | 31 |  |  | TN5_3 | 1.475030e-04 |  | TN5_1 | 9.601770e-03 |  | TN5_2 | 0.171835 |  |
| pos_patterns.pattern_19 | 23 |  |  | ZNF18_HUMAN.H11MO.0.C | 3.688160e-01 | | ZNF331_HUMAN.H11MO.0.C | 3.688160e-01 |  | TBX1_MA0805.1 | 0.368816 | |
| neg_patterns.pattern_0 | 118 |  |  | ONECUT1_CUT_1 | 1.444670e-01 | | ONECUT3_CUT_1 | 1.444670e-01 | | ONECUT3_MA0757.1 | 0.144467 | |
| neg_patterns.pattern_1 | 88 |  |  | DNASE_2 | 1.425320e-02 |  | Lhx3_MA0135.1 | 1.481120e-01 | | LHX3_HUMAN.H11MO.0.C | 0.328438 | |
| neg_patterns.pattern_2 | 86 |  |  | IRF3_HUMAN.H11MO.0.B | 7.690760e-03 |  | IRF3_MOUSE.H11MO.0.A | 7.690760e-03 |  | ELF5_MOUSE.H11MO.0.A | 0.022409 |  |
| neg_patterns.pattern_3 | 81 |  |  | PRDM6_HUMAN.H11MO.0.C | 2.465720e-03 | | IRF3_HUMAN.H11MO.0.B | 1.000080e-02 |  | IRF3_MOUSE.H11MO.0.A | 0.010601 |  |
| neg_patterns.pattern_4 | 75 |  |  | DNASE_2 | 1.553980e-02 |  | ZNF384_MA1125.1 | 6.754700e-02 |  | ONECUT3_CUT_1 | 0.067547 | |
| neg_patterns.pattern_5 | 47 |  |  | GATA6_MA1104.1 | 1.000000e+00 | | ZNF384_MA1125.1 | 1.000000e+00 |  | SRY_MA0084.1 | 1.000000 |  |
| neg_patterns.pattern_6 | 45 |  |  | AIRE_HUMAN.H11MO.0.C | 8.792300e-02 |  | AIRE_MOUSE.H11MO.0.C | 8.792300e-02 |  | POU2F1_MA0785.1 | 0.389066 | |
| neg_patterns.pattern_7 | 41 |  |  | DNASE_2 | 1.208490e-01 |  | ZNF384_MA1125.1 | 5.056890e-01 | | ONECUT3_CUT_1 | 0.756425 | |
| neg_patterns.pattern_8 | 39 |  |  | DNASE_2 | 9.782110e-02 |  | FOXD2_forkhead_1 | 3.954960e-01 | | FOXC1_forkhead_1 | 0.395496 | |
| neg_patterns.pattern_9 | 39 |  |  | Sox17.mouse_HMG_2 | 4.248870e-01 | | DMRT3_MA0610.1 | 7.879560e-01 | | SOX18_HMG_3 | 0.787956 | |

| pattern | num_seqlets | modisco_cwm_fwd | modisco_cwm_rev | match0 | qval0 | match0_logo | match1 | qval1 | match1_logo | match2 | qval2 | match2_logo |
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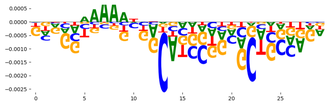
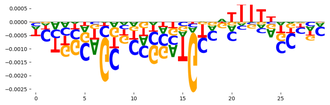
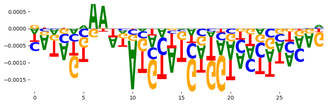
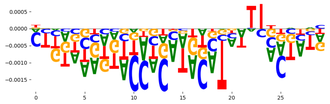
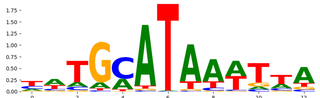
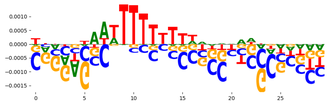
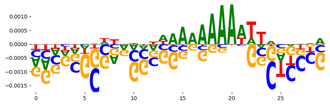
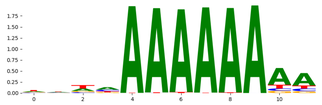
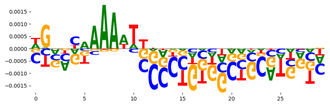
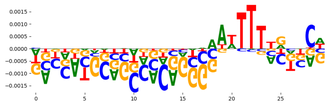
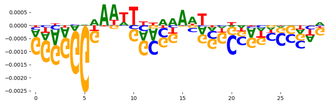
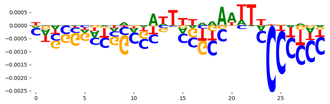
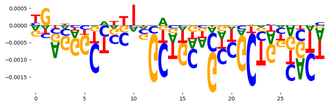
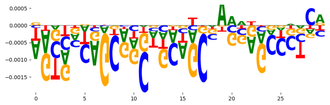
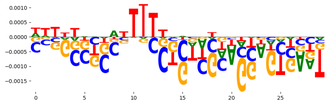
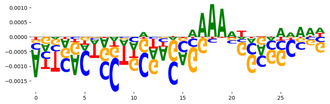
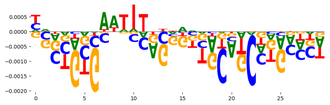
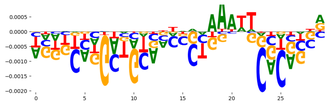
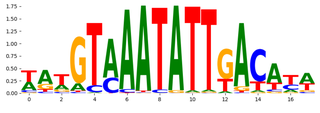
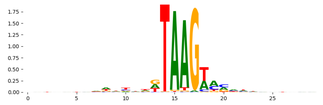
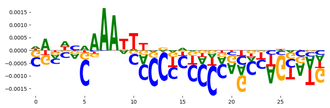
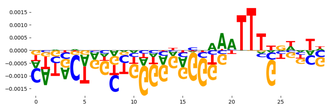
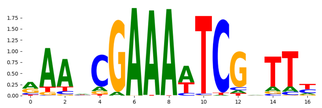
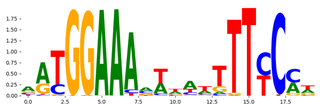
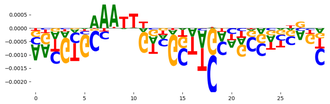
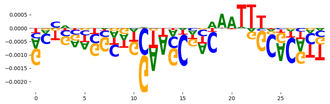
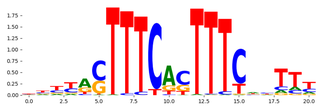
| neg_patterns.pattern_10 | 38 |  |  | ONECUT3_CUT_1 | 9.457180e-03 | | ONECUT3_MA0757.1 | 9.457180e-03 | | ONECUT1_CUT_1 | 0.023488 | |
| neg_patterns.pattern_11 | 34 |  |  | POU3F1_POU_2 | 4.992460e-02 | | POU3F2_POU_1 | 4.992460e-02 |  | POU3F3_POU_2 | 0.049925 | |
| neg_patterns.pattern_12 | 34 |  |  | ZNF384_MA1125.1 | 2.256090e-02 |  | Foxd3_MA0041.1 | 3.080310e-01 | | CPEB1_RRM_1 | 0.735242 | |
| neg_patterns.pattern_13 | 34 |  |  | Foxd3_MA0041.1 | 6.776730e-01 | | PRGR_HUMAN.H11MO.0.A | 6.776730e-01 | | SRY_HUMAN.H11MO.0.B | 0.677673 | |
| neg_patterns.pattern_14 | 32 |  |  | NFAC4_HUMAN.H11MO.0.C | 2.877700e-01 | | NFAC4_MOUSE.H11MO.0.C | 2.877700e-01 | | REL_HUMAN.H11MO.0.B | 0.287770 | |
| neg_patterns.pattern_15 | 31 |  |  | POU5F1_MA1115.1 | 4.310290e-02 | | POU2F2_POU_1 | 5.145830e-02 | | Pou2f2.mouse_POU_2 | 0.051458 | |
| neg_patterns.pattern_16 | 31 |  |  | ONECUT3_CUT_1 | 2.080160e-01 | | ONECUT3_MA0757.1 | 2.080160e-01 | | ONECUT1_CUT_1 | 0.208016 | |
| neg_patterns.pattern_17 | 29 |  |  | Pou2f2.mouse_POU_1 | 5.266750e-01 | | FOXB1_forkhead_2 | 5.266750e-01 |  | DNASE_2 | 0.526675 |  |
| neg_patterns.pattern_18 | 28 |  |  | IRF7_IRF_2 | 8.596340e-01 |  | NFATC1_NFAT_1 | 8.596340e-01 |  | NR2E3_HUMAN.H11MO.0.C | 0.859634 | |
| neg_patterns.pattern_19 | 22 |  |  | IRF1_MA0050.2 | 2.648970e-01 |  | FOXC1_MA0032.2 | 2.648970e-01 | | FOXC1_forkhead_3 | 0.264897 | |