* **TP -** the number of times the motif *did occur* in the foreground
* **FP -** the number of times the motif *did occur* in the background
* **TN -** the number of times the motif *did not occur* in the background
* **FN -** the number of times the motif *did not occur* in the foreground
* **Accuracy -** the % of correct classification based on this motif
* **Sensitivity -** the % of correct classification of the *foreground* based on this motif
* **Specificity -** the % of correct classification of the *background* based on this motif

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Motifs with and | TP | FP | TN | FN | Accuracy | Sensitivity | Specificity |
| gimme\_15\_BioProspector\_w10\_5 | 9 | 5 | 127 | 4 | 0.94 | 0.69 | 0.96 |
| gimme\_143\_MEME\_4\_w12 | 11 | 16 | 116 | 2 | 0.88 | 0.85 | 0.88 |
| gimme\_104\_Improbizer\_GTGCAACGGAGAGT | 12 | 18 | 114 | 1 | 0.87 | 0.92 | 0.86 |
| gimme\_13\_BioProspector\_w10\_3 | 11 | 17 | 115 | 2 | 0.87 | 0.85 | 0.87 |
| gimme\_106\_Improbizer\_AACCATCGTT | 9 | 15 | 117 | 4 | 0.87 | 0.69 | 0.89 |
| gimme\_30\_AMD\_Motif5 | 10 | 19 | 113 | 3 | 0.85 | 0.77 | 0.86 |
| gimme\_132\_MEME\_3\_w10 | 12 | 15 | 117 | 1 | 0.89 | 0.92 | 0.89 |
| gimme\_102\_Improbizer\_GCGTTATACCCGAGGATCAG | 12 | 20 | 112 | 1 | 0.86 | 0.92 | 0.85 |
| DECOD\_Motif5\_12 | 9 | 20 | 112 | 4 | 0.83 | 0.69 | 0.85 |
| DECOD\_Motif3\_12 | 10 | 18 | 114 | 3 | 0.86 | 0.77 | 0.86 |
| DECOD\_Motif4\_13 | 10 | 16 | 116 | 3 | 0.87 | 0.77 | 0.88 |
| DECOD\_Motif5\_14 | 9 | 16 | 116 | 4 | 0.86 | 0.69 | 0.88 |
| DME\_GMYCTYNGK | 9 | 14 | 118 | 4 | 0.88 | 0.69 | 0.89 |
| DME\_GHTTTASC | 9 | 17 | 115 | 4 | 0.86 | 0.69 | 0.87 |
| DME\_TASGRKYTM | 9 | 16 | 116 | 4 | 0.86 | 0.69 | 0.88 |
| DME\_KAGRYCTKK | 9 | 16 | 116 | 4 | 0.86 | 0.69 | 0.88 |
| DME\_KWAMGMGG | 9 | 17 | 115 | 4 | 0.86 | 0.69 | 0.87 |
| DME\_KGTTGATY | 9 | 19 | 113 | 4 | 0.84 | 0.69 | 0.86 |
| DME\_KGAYCTTG | 9 | 18 | 114 | 4 | 0.85 | 0.69 | 0.86 |
| DME\_RASWGAKCWA | 10 | 20 | 112 | 3 | 0.84 | 0.77 | 0.85 |
| DME\_GRWKGKYGAW | 10 | 20 | 112 | 3 | 0.84 | 0.77 | 0.85 |
| DME\_ARRTCYKVRG | 10 | 16 | 116 | 3 | 0.87 | 0.77 | 0.88 |
| DME\_ACDGWGMYA | 10 | 13 | 119 | 3 | 0.89 | 0.77 | 0.90 |
| DME\_TRSRAWCYC | 9 | 17 | 115 | 4 | 0.86 | 0.69 | 0.87 |
| DME\_WMACGRKKG | 9 | 8 | 124 | 4 | 0.92 | 0.69 | 0.94 |
| DME\_KGVRAGRGS | 9 | 19 | 113 | 4 | 0.84 | 0.69 | 0.86 |
| DME\_YGATSWGT | 9 | 17 | 115 | 4 | 0.86 | 0.69 | 0.87 |
| DME\_DRYGGHTTC | 9 | 19 | 113 | 4 | 0.84 | 0.69 | 0.86 |
| DME\_ARTRARMGG | 9 | 18 | 114 | 4 | 0.85 | 0.69 | 0.86 |
| DME\_AKACKKWGA | 9 | 17 | 115 | 4 | 0.86 | 0.69 | 0.87 |
| DME\_RGCWYAGWK | 9 | 10 | 122 | 4 | 0.90 | 0.69 | 0.92 |
| DME\_MKTHRRGAG | 10 | 20 | 112 | 3 | 0.84 | 0.77 | 0.85 |
| DME\_TGAKYTMCB | 9 | 12 | 120 | 4 | 0.89 | 0.69 | 0.91 |
| DME\_RGRRRYMWGG | 10 | 11 | 121 | 3 | 0.90 | 0.77 | 0.92 |
| DME\_RCRDTGSAA | 9 | 14 | 118 | 4 | 0.88 | 0.69 | 0.89 |
| DME\_ACKKKKGSK | 9 | 10 | 122 | 4 | 0.90 | 0.69 | 0.92 |
| DME\_KCHTTKCRTG | 9 | 17 | 115 | 4 | 0.86 | 0.69 | 0.87 |
| DME\_VASGSARAS | 10 | 20 | 112 | 3 | 0.84 | 0.77 | 0.85 |
| DME\_AGAGKMTSV | 9 | 13 | 119 | 4 | 0.88 | 0.69 | 0.90 |
| DME\_SAKVSTKGA | 9 | 11 | 121 | 4 | 0.90 | 0.69 | 0.92 |
| DME\_AGAGKMTS | 9 | 8 | 124 | 4 | 0.92 | 0.69 | 0.94 |
| DME\_KHGGYTAAR | 9 | 17 | 115 | 4 | 0.86 | 0.69 | 0.87 |
| DME\_CYGRRGMTB | 9 | 15 | 117 | 4 | 0.87 | 0.69 | 0.89 |
| DME\_TCWSGMASWK | 9 | 19 | 113 | 4 | 0.84 | 0.69 | 0.86 |
| DME\_AHGGTGRWR | 10 | 18 | 114 | 3 | 0.86 | 0.77 | 0.86 |