

Algorithm	No. of motifs option	Entered	Result
DREME	Required	15	Stops finding motifs once a minimum threshold is reached.
HOMER	Optional	Used default of 25	Finds many more than 25 motifs – usually 75. Seems to adjust and find perturbations of motifs which are added to the mix.
STEME	Required	20	Always finds the requested number of motifs, but often reports E-Values way above any useful threshold.
DECOD	Required	20	Often does not find requested number of motifs, but no information supplied in the documentation to explain any thresholds.
BaMM	No options	No default	No information provided re thresholds and cutoffs. Varying numbers of motifs resulted, always with useful E-Values.
MotifRG	Optional	Default is 5, asked for 20	Has threshold minimum fraction of target/background sequences (=0.01) and minimum fold change of motif in target Vs background (=1.3)