Sequence motifs

$$p_i(x_i = a_i)$$

A	0	0	1	0	1	0.5
C	0.5	0	0	0	0	0
G	0.5	1	0	0	0	0
T	0	0	0	1	0	0.5

GGATAA
CGATAA
CGATAT
GGATAT

Set of aligned sequences
Bound by TF

Position weight matrix (PWM)

PWM logo