Figure S8. Motif clusters and their respective enrichment p-values for Ezh2-positive and Ezh2-negative CpG islands.
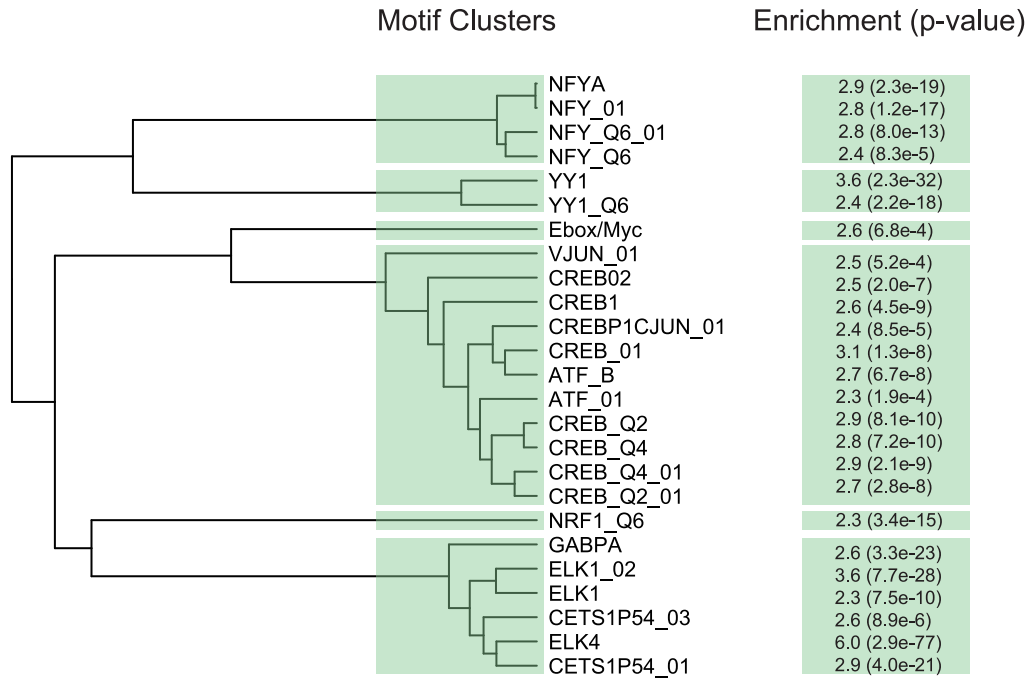
A

Motif Clusters — Enrichment (p-value)

Motif	Enrichment (p-value)
NFYA	2.9 (2.3e-19)
NFY_01	2.8 (1.2e-17)
NFY_Q6_01	2.8 (8.0e-13)
NFY_Q6	2.4 (8.3e-5)
YY1	3.6 (2.3e-32)
YY1_Q6	2.4 (2.2e-18)
Ebox/Myc	2.6 (6.8e-4)
VJUN_01	2.5 (5.2e-4)
CREB02	2.5 (2.0e-7)
CREB1	2.6 (4.5e-9)
CREBP1CJUN_01	2.4 (8.5e-5)
CREB_01	3.1 (1.3e-8)
ATF_B	2.7 (6.7e-8)
ATF_01	2.3 (1.9e-4)
CREB_Q2	2.9 (8.1e-10)
CREB_Q4	2.8 (7.2e-10)
CREB_Q4_01	2.9 (2.1e-9)
CREB_Q2_01	2.7 (2.8e-8)
NRF1_Q6	2.3 (3.4e-15)
GABPA	2.6 (3.3e-23)
ELK1_02	3.6 (7.7e-28)
ELK1	2.3 (7.5e-10)
CETS1P54_03	2.6 (8.9e-6)
ELK4	6.0 (2.9e-77)
CETS1P54_01	2.9 (4.0e-21)

B

Motif Clusters — Enrichment (p-value)

Motif	Enrichment (p-value)
CDPCR13HD_01	1.3 (2.3e-3)
POU6F1_01	1.3 (6.1e-4)
Lhx3	1.3 (1.4e-4)
CHX10_01	1.2 (6.1e-4)
Roaz/Zfp423	1.2 (1.7e-27)
T	1.2 (3.5e-9)
BRACH_01	1.2 (1.4e-3)
AR_Q6	1.2 (1.7e-11)
HMX1_01	1.3 (5.7e-19)
NHLH1/Hen1	1.3 (2.7e-40)
HEN1_02	1.2 (2.1e-33)
Myf	1.3 (2.3e-44)
MYOD_Q6_01	1.2 (3.0e-26)
LMO2COM_01	1.2 (2.3e-38)
MYOGENIN_Q6	1.2 (9.2e-44)
PAX9_B	1.2 (6.1e-8)
NRSE_B	1.2 (2.4e-20)
NRSF_Q4	1.3 (6.1e-37)
NFKB_C	1.2 (3.1e-22)
NFKB1	1.3 (1.6e-29)
NFKAPPAB50_01	1.2 (1.5e-22)