

Suppl. Table 4: Counts of distinct interaction classes in the HiChIP significant interaction set.

a.) 24DAP_H3K4me3_Q0.1 with active promoter in at least one anchor

category	count
TEs-TEs	124
TEs-Active_promoter	902
TEs-Active_terminator	112
TEs-E7	337
TEs-E4	22
TEs-Intron	62
TEs-Silent_promoter	56
TEs-Silent_terminator	9
TEs-distal	4
Active_promoter-Active_promoter	2578
Active_promoter-Active_terminator	1104
Active_promoter-E7	2255
Active_promoter-E4	116
Active_promoter-Intron	646
Active_promoter-Silent_promoter	424
Active_promoter-Silent_terminator	72
Active_promoter-distal	26
Active_terminator-Active_terminator	42
Active_terminator-E7	274
Active_terminator-E4	9
Active_terminator-Intron	47
Active_terminator-Silent_promoter	45
Active_terminator-Silent_terminator	6
Active_terminator-distal	3
E7-E7	236
E7-E4	47
E7-Intron	135
E7-Silent_promoter	89
E7-Silent_terminator	16
E7-distal	7
E4-E4	32
E4-Intron	10
E4-Silent_promoter	37
E4-Silent_terminator	4
E4-distal	0
Intron-Intron	32
Intron-Silent_promoter	25
Intron-Silent_terminator	1
Intron-distal	1
Silent_promoter-Silent_promoter	36
Silent_promoter-Silent_terminator	7
Silent_promoter-distal	0
Silent_terminator-Silent_terminator	0
Silent_terminator-distal	1
distal-distal	0

b.) 24DAP_H3K27me3_Q0.1 with a silent promoter in at least one anchor

category	count
Intron-Intron	45
Intron-Silent_promoter	59
Intron-Silent_terminator	21
Intron-E4	68
Intron-E7	77
Intron-Active_promoter	41
Intron-TEs	30
Intron-Active_terminator	17
Intron-distal	0
Silent_promoter-Silent_promoter	195
Silent_promoter-Silent_terminator	117
Silent_promoter-E4	326
Silent_promoter-E7	170
Silent_promoter-Active_promoter	108
Silent_promoter-TEs	100
Silent_promoter-Active_terminator	33
Silent_promoter-distal	0
Silent_terminator-Silent_terminator	3
Silent_terminator-E4	69
Silent_terminator-E7	28
Silent_terminator-Active_promoter	12
Silent_terminator-TEs	13
Silent_terminator-Active_terminator	5
Silent_terminator-distal	0
E4-E4	571
E4-E7	260
E4-Active_promoter	115
E4-TEs	184
E4-Active_terminator	33
E4-distal	3
E7-E7	219
E7-Active_promoter	221
E7-TEs	193
E7-Active_terminator	78
E7-distal	4
Active_promoter-Active_promoter	68
Active_promoter-TEs	75
Active_promoter-Active_terminator	68
Active_promoter-distal	1
TEs-TEs	86
TEs-Active_terminator	23
TEs-distal	3
Active_terminator-Active_terminator	8
Active_terminator-distal	1
distal-distal	0