

**Supplementary Table 4. Analysis of TADs flanked by ChIP-Seq peaks of any studied TFs (i.e. having a ChIP-Seq peak of Pita or Zw5 or ZIPIC at both boundaries).**

(A) Summarized data on all TAD boundaries flanked by sites of any studied TF.

(B, C) Detailed analysis for (B) +/- 20 kb and (C) +/- 10 kb TAD boundaries. The left and right parts of the table show the numbers of flanked TADs and their proportions relative to the total numbers of TADs (indicated in parentheses). Rows and columns: TF ChIP-Seq peak sets. Values in rows refer to TADs with peaks; in columns, to TFs found on the opposite TAD boundaries. Values in "any" column refer to ChIP-Seq peaks of any TF studied.

**(A) TAD boundaries of +/-20kb**

cell line	total TADs	flanked TADs	proportion of flanked TADs (from total)
Bg3	580	345	0,594828
Kc167	582	340	0,584192
OSC	577	337	0,584056
S2	583	329	0,564323

**TAD boundaries of +/-10kb**

cell line	total TADs	flanked TADs	proportion of flanked TADs (from total)
Bg3	580	177	0,30517241
Kc167	582	195	0,33505155
OSC	577	184	0,31889081
S2	583	166	0,28473413

**(B) TAD boundaries of +/-20kb**

	TF	TAD count				TAD proportion (from total)			
		any	Pita	ZIPIC	Zw5	any	Pita	ZIPIC	Zw5
Bg3 (580)	Pita	330	240	178	213	0,57	0,41	0,31	0,37
	ZIPIC	201	178	53	98	0,35	0,31	0,09	0,17
	Zw5	237	213	98	61	0,41	0,37	0,17	0,11
	Pita	329	223	179	212	0,57	0,38	0,31	0,36
Kc167 (582)	ZIPIC	198	179	49	105	0,34	0,31	0,08	0,18
	Zw5	243	212	105	65	0,42	0,36	0,18	0,11
	Pita	320	228	167	198	0,55	0,40	0,29	0,34
OSC (577)	ZIPIC	193	167	55	101	0,33	0,29	0,10	0,18
	Zw5	229	198	101	61	0,40	0,34	0,18	0,11
	Pita	319	233	171	199	0,55	0,40	0,29	0,34
S2 (583)	ZIPIC	188	171	46	85	0,32	0,29	0,08	0,15
	Zw5	221	199	85	50	0,38	0,34	0,15	0,09
	Pita	319	233	171	199	0,55	0,40	0,29	0,34

**(C) TAD boundaries of +/-10kb**

	TF	TAD count				TAD proportion (from total)			
		any	Pita	ZIPIC	Zw5	any	Pita	ZIPIC	Zw5
Bg3 (580)	Pita	170	109	67	97	0,29	0,19	0,12	0,17
	ZIPIC	79	67	21	37	0,14	0,12	0,04	0,06
	Zw5	110	97	37	30	0,19	0,17	0,06	0,05
	Pita	184	114	80	102	0,32	0,20	0,14	0,18
Kc167 (582)	ZIPIC	96	80	22	45	0,16	0,14	0,04	0,08
	Zw5	119	102	45	36	0,20	0,18	0,08	0,06
	Pita	174	107	82	90	0,30	0,19	0,14	0,16
OSC (577)	ZIPIC	95	82	22	42	0,16	0,14	0,04	0,07
	Zw5	109	90	42	27	0,19	0,16	0,07	0,05
	Pita	155	103	63	89	0,27	0,18	0,11	0,15
S2 (583)	ZIPIC	77	63	16	36	0,13	0,11	0,03	0,06
	Zw5	106	89	36	25	0,18	0,15	0,06	0,04
	Pita	155	103	63	89	0,27	0,18	0,11	0,15