

Supplementary Table 1: Statistics of the various ChIP-seq libraries for each cell type and TF dataset.

Cell	TF	Experiment	Replicates	Total number of reads	Unique mapped reads
CH12	BHLHE40	wgEncodeSydhTf bsCh12Bhlhe40n b100lggrab	wgEncodeSydhTf bsCh12Bhlhe40n b100lggrab_Rep1	27,746,440	22,841,726
CH12	BHLHE40	wgEncodeSydhTf bsCh12Bhlhe40n b100lggrab	wgEncodeSydhTf bsCh12Bhlhe40n b100lggrab_Rep2	34,926,841	27,991,977
CH12	CHD1	wgEncodeSydhTf bsCh12Chd1nb1 0060411lggrab	wgEncodeSydhTf bsCh12Chd1nb1 0060411lggrab_R ep1	27,777,945	20,709,394
CH12	CHD1	wgEncodeSydhTf bsCh12Chd1nb1 0060411lggrab	wgEncodeSydhTf bsCh12Chd1nb1 0060411lggrab_R ep2	23,756,698	18,014,818
CH12	CHD2	wgEncodeSydhTf bsCh12Chd2ab6 8301lggrab	wgEncodeSydhTf bsCh12Chd2ab6 8301lggrab_Rep1	32,537,169	24,588,602
CH12	CHD2	wgEncodeSydhTf bsCh12Chd2ab6 8301lggrab	wgEncodeSydhTf bsCh12Chd2ab6 8301lggrab_Rep2	32,802,159	24,492,112
CH12	CTCF	wgEncodePsuTfb sCh12CtcfFlmmo rtal2a4blInput	wgEncodePsuTfb sCh12CtcfFlmmo rtal2a4blInput_Re p1	14,758,965	12,991,896
CH12	CTCF	wgEncodePsuTfb sCh12CtcfFlmmo rtal2a4blInput	wgEncodePsuTfb sCh12CtcfFlmmo rtal2a4blInput_Re p2	24,993,861	22,440,722
CH12	CTCF	wgEncodeSydhTf bsCh12Ctcfblggra b	wgEncodeSydhTf bsCh12Ctcfblggra b_Rep1	23,933,914	19,907,479
CH12	CTCF	wgEncodeSydhTf bsCh12Ctcfblggra b	wgEncodeSydhTf bsCh12Ctcfblggra b_Rep2	25,204,652	20,998,046
CH12	E2F4	wgEncodeSydhTf bsCh12E2f4lggra b	wgEncodeSydhTf bsCh12E2f4lggra b_Rep1	29,207,996	16,390,127
CH12	E2F4	wgEncodeSydhTf bsCh12E2f4lggra b	wgEncodeSydhTf bsCh12E2f4lggra b_Rep2	22,485,375	12,960,071

CH12	EP300	wgEncodeSydhTf bsCh12P300sc58 4lggrab	wgEncodeSydhTf bsCh12P300sc58 4lggrab_Rep1	47,069,545	32,717,067
CH12	EP300	wgEncodeSydhTf bsCh12P300sc58 4lggrab	wgEncodeSydhTf bsCh12P300sc58 4lggrab_Rep2	38,386,458	28,986,022
CH12	ETS1	wgEncodeSydhTf bsCh12Ets1lggrab	wgEncodeSydhTf bsCh12Ets1lggrab _Rep1	25,137,924	14,424,238
CH12	ETS1	wgEncodeSydhTf bsCh12Ets1lggrab	wgEncodeSydhTf bsCh12Ets1lggrab _Rep2	29,396,031	19,960,776
CH12	JUND	wgEncodeSydhTf bsCh12Jundlggra b	wgEncodeSydhTf bsCh12Jundlggra b_Rep1	26,524,306	16,438,342
CH12	JUND	wgEncodeSydhTf bsCh12Jundlggra b	wgEncodeSydhTf bsCh12Jundlggra b_Rep2	28,099,998	17,635,392
CH12	KAT2A	wgEncodeSydhTf bsCh12Gcn5lggr ab	wgEncodeSydhTf bsCh12Gcn5lggr ab_Rep1	28,258,297	21,106,320
CH12	KAT2A	wgEncodeSydhTf bsCh12Gcn5lggr ab	wgEncodeSydhTf bsCh12Gcn5lggr ab_Rep2	32,146,127	23,057,124
CH12	MAX	wgEncodeSydhTf bsCh12Maxlggra b	wgEncodeSydhTf bsCh12Maxlggra b_Rep1	44,292,803	31,030,618
CH12	MAX	wgEncodeSydhTf bsCh12Maxlggra b	wgEncodeSydhTf bsCh12Maxlggra b_Rep2	33,197,257	25,185,072
CH12	MAZ	wgEncodeSydhTf bsCh12Mazab85 725lggrab	wgEncodeSydhTf bsCh12Mazab85 725lggrab_Rep1	26,187,251	14,819,102
CH12	MAZ	wgEncodeSydhTf bsCh12Mazab85 725lggrab	wgEncodeSydhTf bsCh12Mazab85 725lggrab_Rep2	25,599,895	17,161,445
CH12	MXI1	wgEncodeSydhTf bsCh12Mxi1af41 85lggrab	wgEncodeSydhTf bsCh12Mxi1af41 85lggrab_Rep1	28,779,170	19,099,930
CH12	MXI1	wgEncodeSydhTf bsCh12Mxi1af41 85lggrab	wgEncodeSydhTf bsCh12Mxi1af41 85lggrab_Rep2	32,225,645	21,469,127
CH12	MYC	wgEncodeSydhTf bsCh12Cmyclggr ab	wgEncodeSydhTf bsCh12Cmyclggr ab_Rep1	27,616,584	16,924,619
CH12	MYC	wgEncodeSydhTf	wgEncodeSydhTf	25,611,637	15,771,810

		bsCh12Cmyclggr ab	bsCh12Cmyclggr ab_Rep2		
CH12	PAX5	wgEncodePsuTfb sCh12Pax5cFlm mortal2a4bInput	wgEncodePsuTfb sCh12Pax5cFlm mortal2a4bInput_Rep1	37,467,545	31,347,442
CH12	PAX5	wgEncodePsuTfb sCh12Pax5cFlm mortal2a4bInput	wgEncodePsuTfb sCh12Pax5cFlm mortal2a4bInput_Rep2	69,146,618	59,813,392
CH12	POLR2F	wgEncodeSydhTf bsCh12Pol2lggm us	wgEncodeSydhTf bsCh12Pol2lggm us_Rep1	16,895,704	13,357,953
CH12	POLR2F	wgEncodeSydhTf bsCh12Pol2lggm us	wgEncodeSydhTf bsCh12Pol2lggm us_Rep2	23,572,346	16,372,762
CH12	RAD21	wgEncodeSydhTf bsCh12Rad21lggr ab	wgEncodeSydhTf bsCh12Rad21lggr ab_Rep1	36,381,501	20,660,791
CH12	RAD21	wgEncodeSydhTf bsCh12Rad21lggr ab	wgEncodeSydhTf bsCh12Rad21lggr ab_Rep2	30,903,378	18,251,542
CH12	RCOR1	wgEncodeSydhTf bsCh12Corestsc3 0189lggrab	wgEncodeSydhTf bsCh12Corestsc3 0189lggrab_Rep1	26,439,919	19,387,068
CH12	RCOR1	wgEncodeSydhTf bsCh12Corestsc3 0189lggrab	wgEncodeSydhTf bsCh12Corestsc3 0189lggrab_Rep2	33,652,517	23,802,652
CH12	SIN3A	wgEncodeSydhTf bsCh12Sin3anb6 001263lggrab	wgEncodeSydhTf bsCh12Sin3anb6 001263lggrab_Re p1	35,058,451	24,090,833
CH12	SIN3A	wgEncodeSydhTf bsCh12Sin3anb6 001263lggrab	wgEncodeSydhTf bsCh12Sin3anb6 001263lggrab_Re p2	34,051,640	24,781,323
CH12	SMC3	wgEncodeSydhTf bsCh12Smc3ab9 263lggrab	wgEncodeSydhTf bsCh12Smc3ab9 263lggrab_Rep1	23,840,370	18,609,699
CH12	SMC3	wgEncodeSydhTf bsCh12Smc3ab9 263lggrab	wgEncodeSydhTf bsCh12Smc3ab9 263lggrab_Rep2	29,664,861	23,329,380
CH12	TBP	wgEncodeSydhTf bsCh12Tbplggmu s	wgEncodeSydhTf bsCh12Tbplggmu s_Rep1	26,100,791	13,897,802
CH12	TBP	wgEncodeSydhTf	wgEncodeSydhTf	25,801,129	13,305,114

		bsCh12Tbplggmu s	bsCh12Tbplggmu s_Rep2		
CH12	USF2	wgEncodeSydhTf bsCh12Usf2lggm us	wgEncodeSydhTf bsCh12Usf2lggm us_Rep1	46,063,962	31,086,427
CH12	USF2	wgEncodeSydhTf bsCh12Usf2lggm us	wgEncodeSydhTf bsCh12Usf2lggm us_Rep2	31,083,903	21,490,085
GM12878	BHLHE40	wgEncodeSydhTf bsGm12878Bhlh e40clggmusAln	wgEncodeSydhTf bsGm12878Bhlh e40clggmusAln_ Rep1	22,644,717	16,240,574
GM12878	BHLHE40	wgEncodeSydhTf bsGm12878Bhlh e40clggmusAln	wgEncodeSydhTf bsGm12878Bhlh e40clggmusAln_ Rep2	26,718,821	20,397,226
GM12878	CHD1	wgEncodeSydhTf bsGm12878Chd1 a301218alggmus Aln	wgEncodeSydhTf bsGm12878Chd1 a301218alggmus Aln_Rep1	25,418,954	18,567,654
GM12878	CHD1	wgEncodeSydhTf bsGm12878Chd1 a301218alggmus Aln	wgEncodeSydhTf bsGm12878Chd1 a301218alggmus Aln_Rep2	22,597,787	17,928,106
GM12878	CHD2	wgEncodeSydhTf bsGm12878Chd2 ab68301lggmusA ln	wgEncodeSydhTf bsGm12878Chd2 ab68301lggmusA ln_Rep1	25,099,995	18,252,701
GM12878	CHD2	wgEncodeSydhTf bsGm12878Chd2 ab68301lggmusA ln	wgEncodeSydhTf bsGm12878Chd2 ab68301lggmusA ln_Rep2	19,907,595	14,022,535
GM12878	CTCF	wgEncodeBroad HistoneGm1287 8CtcfStdAln	wgEncodeBroad HistoneGm1287 8CtcfStdAln_Rep 1	17,949,455	10,973,081
GM12878	CTCF	wgEncodeBroad HistoneGm1287 8CtcfStdAln	wgEncodeBroad HistoneGm1287 8CtcfStdAln_Rep 2	29,883,393	19,258,033
GM12878	CTCF	wgEncodeOpenC hromChipGm128 78CtcfAln	wgEncodeOpenC hromChipGm128 78CtcfAln_Rep1	8,420,728	7,029,958
GM12878	CTCF	wgEncodeOpenC hromChipGm128 78CtcfAln	wgEncodeOpenC hromChipGm128 78CtcfAln_Rep2	21,319,387	5,927,829

GM12878	CTCF	wgEncodeOpenChromChipGm12878CtcfAln	wgEncodeOpenChromChipGm12878CtcfAln_Rep3	16,281,148	13,503,413
GM12878	CTCF	wgEncodeSydhTfbsGm12878Ctcfsc15914c20StdAln	wgEncodeSydhTfbsGm12878Ctcfsc15914c20StdAln_Rep1	29,485,157	22,282,063
GM12878	CTCF	wgEncodeSydhTfbsGm12878Ctcfsc15914c20StdAln	wgEncodeSydhTfbsGm12878Ctcfsc15914c20StdAln_Rep2	16,411,438	11,467,438
GM12878	CTCF	wgEncodeUwTfbsGm12878CtcfStdAln	wgEncodeUwTfbsGm12878CtcfStdAln_Rep1	14,311,175	7,271,004
GM12878	CTCF	wgEncodeUwTfbsGm12878CtcfStdAln	wgEncodeUwTfbsGm12878CtcfStdAln_Rep2	31,495,220	16,132,570
GM12878	E2F4	wgEncodeSydhTfbsGm12878E2f4lggmusAln	wgEncodeSydhTfbsGm12878E2f4lggmusAln_Rep1	25,429,513	20,373,466
GM12878	E2F4	wgEncodeSydhTfbsGm12878E2f4lggmusAln	wgEncodeSydhTfbsGm12878E2f4lggmusAln_Rep2	29,433,674	23,847,994
GM12878	EP300	wgEncodeHaibTfbsGm12878P300Pcr1xAln	wgEncodeHaibTfbsGm12878P300Pcr1xAln_Rep1	21,363,184	28,084,491
GM12878	EP300	wgEncodeHaibTfbsGm12878P300Pcr1xAln	wgEncodeHaibTfbsGm12878P300Pcr1xAln_Rep2	14,108,038	16,691,900
GM12878	EP300	wgEncodeSydhTfbsGm12878P300bStdAln	wgEncodeSydhTfbsGm12878P300bStdAln_Rep1	19,168,591	14,705,299
GM12878	EP300	wgEncodeSydhTfbsGm12878P300bStdAln	wgEncodeSydhTfbsGm12878P300bStdAln_Rep2	20,592,467	15,672,065
GM12878	EP300	wgEncodeSydhTfbsGm12878P300lggmusAln	wgEncodeSydhTfbsGm12878P300lggmusAln_Rep1	28,741,521	22,914,757
GM12878	EP300	wgEncodeSydhTfbsGm12878P300lggmusAln	wgEncodeSydhTfbsGm12878P300lggmusAln_Rep2	25,120,068	19,977,631
GM12878	ETS1	wgEncodeHaibTfbsGm12878Ets1Pcr1xAln	wgEncodeHaibTfbsGm12878Ets1Pcr1xAln_Rep1	26,094,207	12,457,305
GM12878	ETS1	wgEncodeHaibTfbsGm12878Ets1P	wgEncodeHaibTfbsGm12878Ets1P	27,773,418	15,948,094

		cr1xAln	cr1xAln_Rep2		
GM12878	JUND	wgEncodeSydhTf bsGm12878Jund StdAln	wgEncodeSydhTf bsGm12878Jund StdAln_Rep1	4,497,407	3,522,377
GM12878	JUND	wgEncodeSydhTf bsGm12878Jund StdAln	wgEncodeSydhTf bsGm12878Jund StdAln_Rep2	5,425,299	4,293,269
GM12878	KAT2A	wgEncodeSydhTf bsGm12878Gcn 5StdAln	wgEncodeSydhTf bsGm12878Gcn 5StdAln_Rep1	23,685,247	14,069,881
GM12878	KAT2A	wgEncodeSydhTf bsGm12878Gcn 5StdAln	wgEncodeSydhTf bsGm12878Gcn 5StdAln_Rep2	21,226,933	14,163,750
GM12878	MAX	wgEncodeSydhTf bsGm12878Maxl ggmusAln	wgEncodeSydhTf bsGm12878Maxl ggmusAln_Rep1	25,725,543	20,573,266
GM12878	MAX	wgEncodeSydhTf bsGm12878Maxl ggmusAln	wgEncodeSydhTf bsGm12878Maxl ggmusAln_Rep2	27,937,136	21,461,042
GM12878	MAZ	wgEncodeSydhTf bsGm12878Maza b85725lggmusAl n	wgEncodeSydhTf bsGm12878Maza b85725lggmusAl n_Rep1	30,893,172	22,909,977
GM12878	MAZ	wgEncodeSydhTf bsGm12878Maza b85725lggmusAl n	wgEncodeSydhTf bsGm12878Maza b85725lggmusAl n_Rep2	30,447,199	23,675,757
GM12878	MXI1	wgEncodeSydhTf bsGm12878Mxi1 lggmusAln	wgEncodeSydhTf bsGm12878Mxi1 lggmusAln_Rep1	23,205,307	17,964,768
GM12878	MXI1	wgEncodeSydhTf bsGm12878Mxi1 lggmusAln	wgEncodeSydhTf bsGm12878Mxi1 lggmusAln_Rep2	39,422,373	29,557,725
GM12878	MYC	wgEncodeOpenC hromChipGm128 78CmycAln	wgEncodeOpenC hromChipGm128 78CmycAln_Rep 1	14,529,760	10,617,292
GM12878	MYC	wgEncodeOpenC hromChipGm128 78CmycAln	wgEncodeOpenC hromChipGm128 78CmycAln_Rep 2	19,133,042	11,907,004
GM12878	PAX5	wgEncodeHaibTf bsGm12878Pax5 c20Pcr1xAln	wgEncodeHaibTf bsGm12878Pax5 c20Pcr1xAln_Re p1	20,785,927	34,845,647
GM12878	PAX5	wgEncodeHaibTf	wgEncodeHaibTf	36,763,463	13,767,270

		bsGm12878Pax5 c20Pcr1xAln	bsGm12878Pax5 c20Pcr1xAln_Re p2		
GM12878	PAX5	wgEncodeHaibTf bsGm12878Pax5 n19Pcr1xAln	wgEncodeHaibTf bsGm12878Pax5 n19Pcr1xAln_Re p1	30,622,801	13,424,717
GM12878	PAX5	wgEncodeHaibTf bsGm12878Pax5 n19Pcr1xAln	wgEncodeHaibTf bsGm12878Pax5 n19Pcr1xAln_Re p2	43,575,964	24,992,356
GM12878	POLR2A	wgEncodeHaibTf bsGm12878Pol2 Pcr2xAln	wgEncodeHaibTf bsGm12878Pol2 Pcr2xAln_Rep1	54,642,676	29,891,895
GM12878	POLR2A	wgEncodeHaibTf bsGm12878Pol2 Pcr2xAln	wgEncodeHaibTf bsGm12878Pol2 Pcr2xAln_Rep2	63,687,826	31,317,098
GM12878	POLR2A	wgEncodeOpenC hromChipGm128 78Pol2Aln	wgEncodeOpenC hromChipGm128 78Pol2Aln_Rep1	23,180,176	16,316,956
GM12878	POLR2A	wgEncodeOpenC hromChipGm128 78Pol2Aln	wgEncodeOpenC hromChipGm128 78Pol2Aln_Rep2	17,810,183	14,509,477
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2I ggmusAln	wgEncodeSydhTf bsGm12878Pol2I ggmusAln_Rep1	5,997,395	4,825,640
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2I ggmusAln	wgEncodeSydhTf bsGm12878Pol2I ggmusAln_Rep2	6,313,794	5,004,542
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2I ggmusAln	wgEncodeSydhTf bsGm12878Pol2I ggmusAln_Rep3	5,681,228	4,541,809
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2I ggmusAln	wgEncodeSydhTf bsGm12878Pol2I ggmusAln_Rep4	7,278,233	5,931,792
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2I ggmusAln	wgEncodeSydhTf bsGm12878Pol2I ggmusAln_Rep5	20,004,224	12,705,372
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2I ggmusAln	wgEncodeSydhTf bsGm12878Pol2I ggmusAln_Rep6	7,916,364	4,791,699
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2I ggmusAln	wgEncodeSydhTf bsGm12878Pol2I ggmusAln_Rep7	6,870,235	4,507,040
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2	wgEncodeSydhTf bsGm12878Pol2	7,916,364	5,254,239

		StdAln	StdAln_Rep1		
GM12878	POLR2A	wgEncodeSydhTf bsGm12878Pol2 StdAln	wgEncodeSydhTf bsGm12878Pol2 StdAln_Rep2	6,870,235	4,157,087
GM12878	RAD21	wgEncodeHaibTf bsGm12878Rad2 1V0416101Aln	wgEncodeHaibTf bsGm12878Rad2 1V0416101Aln_Rep1	15,713,441	11,361,908
GM12878	RAD21	wgEncodeHaibTf bsGm12878Rad2 1V0416101Aln	wgEncodeHaibTf bsGm12878Rad2 1V0416101Aln_Rep2	30,028,454	21,066,068
GM12878	RAD21	wgEncodeSydhTf bsGm12878Rad2 1lggrabAln	wgEncodeSydhTf bsGm12878Rad2 1lggrabAln_Rep1	25,986,647	16,907,580
GM12878	RAD21	wgEncodeSydhTf bsGm12878Rad2 1lggrabAln	wgEncodeSydhTf bsGm12878Rad2 1lggrabAln_Rep2	24,405,367	17,243,474
GM12878	RCOR1	wgEncodeSydhTf bsGm12878Core stsc30189lggmus Aln	wgEncodeSydhTf bsGm12878Core stsc30189lggmus Aln_Rep1	26,730,651	19,906,387
GM12878	RCOR1	wgEncodeSydhTf bsGm12878Core stsc30189lggmus Aln	wgEncodeSydhTf bsGm12878Core stsc30189lggmus Aln_Rep2	18,816,823	14,119,312
GM12878	SIN3A	wgEncodeSydhTf bsGm12878Sin3 anb6001263lggm usAln	wgEncodeSydhTf bsGm12878Sin3 anb6001263lggm usAln_Rep1	23,609,352	19,224,017
GM12878	SIN3A	wgEncodeSydhTf bsGm12878Sin3 anb6001263lggm usAln	wgEncodeSydhTf bsGm12878Sin3 anb6001263lggm usAln_Rep2	29,860,670	23,834,744
GM12878	SMC3	wgEncodeSydhTf bsGm12878Smc3 ab9263lggmusAl n	wgEncodeSydhTf bsGm12878Smc3 ab9263lggmusAl n_Rep1	31,311,118	22,756,132
GM12878	SMC3	wgEncodeSydhTf bsGm12878Smc3 ab9263lggmusAl n	wgEncodeSydhTf bsGm12878Smc3 ab9263lggmusAl n_Rep2	42,471,365	27,356,108
GM12878	TBP	wgEncodeSydhTf bsGm12878Tbpl ggmusAln	wgEncodeSydhTf bsGm12878Tbpl ggmusAln_Rep1	28,129,707	15,837,102
GM12878	TBP	wgEncodeSydhTf	wgEncodeSydhTf	31,208,021	14,078,489

		bsGm12878Tbpl ggmusAln	bsGm12878Tbpl ggmusAln_Rep2		
GM12878	USF2	wgEncodeSydhTf bsGm12878Usf2l ggmusAln	wgEncodeSydhTf bsGm12878Usf2l ggmusAln_Rep1	27,016,493	15,765,824
GM12878	USF2	wgEncodeSydhTf bsGm12878Usf2l ggmusAln	wgEncodeSydhTf bsGm12878Usf2l ggmusAln_Rep2	20,675,909	14,228,705
K562	BHLHE40	wgEncodeSydhTf bsK562Bhlhe40n b100lggrabAln	wgEncodeSydhTf bsK562Bhlhe40n b100lggrabAln_R ep1	40,676,220	24,744,466
K562	BHLHE40	wgEncodeSydhTf bsK562Bhlhe40n b100lggrabAln	wgEncodeSydhTf bsK562Bhlhe40n b100lggrabAln_R ep2	38,517,057	26,699,566
K562	CHD1	wgEncodeBroad HistoneK562Chd 1a301218aStdAl n	wgEncodeBroad HistoneK562Chd 1a301218aStdAl n_Rep1	36,300,366	26,485,166
K562	CHD1	wgEncodeBroad HistoneK562Chd 1a301218aStdAl n	wgEncodeBroad HistoneK562Chd 1a301218aStdAl n_Rep2	30,977,291	18,631,124
K562	CHD2	wgEncodeSydhTf bsK562Chd2ab6 8301lggrabAln	wgEncodeSydhTf bsK562Chd2ab6 8301lggrabAln_R ep1	24,780,574	17,044,933
K562	CHD2	wgEncodeSydhTf bsK562Chd2ab6 8301lggrabAln	wgEncodeSydhTf bsK562Chd2ab6 8301lggrabAln_R ep2	24,581,991	17,148,172
K562	CTCF	wgEncodeBroad HistoneK562Ctcf StdAln	wgEncodeBroad HistoneK562Ctcf StdAln_Rep1	19,656,110	11,614,567
K562	CTCF	wgEncodeBroad HistoneK562Ctcf StdAln	wgEncodeBroad HistoneK562Ctcf StdAln_Rep2	16,448,282	11,555,904
K562	CTCF	wgEncodeOpenC hromChipK562Ct cfAln	wgEncodeOpenC hromChipK562Ct cfAln_Rep1	7,159,856	5,865,998
K562	CTCF	wgEncodeOpenC hromChipK562Ct cfAln	wgEncodeOpenC hromChipK562Ct cfAln_Rep2	7,247,499	6,020,577
K562	CTCF	wgEncodeOpenC hromChipK562Ct	wgEncodeOpenC hromChipK562Ct	13,901,600	11,620,442

		cfAln	cfAln_Rep3		
K562	CTCF	wgEncodeSydhTf bsK562Ctcfblggra bAln	wgEncodeSydhTf bsK562Ctcfblggra bAln_Rep1	33,894,235	26,957,114
K562	CTCF	wgEncodeSydhTf bsK562Ctcfblggra bAln	wgEncodeSydhTf bsK562Ctcfblggra bAln_Rep2	33,063,882	26,437,774
K562	CTCF	wgEncodeUwTfb sK562CtcfStdAln	wgEncodeUwTfb sK562CtcfStdAln _Rep1	32,740,518	15,683,595
K562	CTCF	wgEncodeUwTfb sK562CtcfStdAln	wgEncodeUwTfb sK562CtcfStdAln _Rep2	27,953,212	13,219,988
K562	E2F4	wgEncodeSydhTf bsK562E2f4UcdA ln	wgEncodeSydhTf bsK562E2f4UcdA ln_Rep1	7,284,301	4,317,860
K562	E2F4	wgEncodeSydhTf bsK562E2f4UcdA ln	wgEncodeSydhTf bsK562E2f4UcdA ln_Rep2	14,905,905	8,139,093
K562	EP300	wgEncodeBroad HistoneK562P30 0StdAln	wgEncodeBroad HistoneK562P30 0StdAln_Rep1	39,984,158	27,792,559
K562	EP300	wgEncodeBroad HistoneK562P30 0StdAln	wgEncodeBroad HistoneK562P30 0StdAln_Rep2	85,770,716	64,842,100
K562	EP300	wgEncodeSydhTf bsK562P300lggra bAln	wgEncodeSydhTf bsK562P300lggra bAln_Rep1	31,971,773	24,369,262
K562	EP300	wgEncodeSydhTf bsK562P300lggra bAln	wgEncodeSydhTf bsK562P300lggra bAln_Rep2	32,921,092	26,493,675
K562	ETS1	wgEncodeHaibTf bsK562Ets1V041 6101Aln	wgEncodeHaibTf bsK562Ets1V041 6101Aln_Rep1	22,147,653	14,976,372
K562	ETS1	wgEncodeHaibTf bsK562Ets1V041 6101Aln	wgEncodeHaibTf bsK562Ets1V041 6101Aln_Rep2	29,150,875	17,569,111
K562	GATA1	wgEncodeSydhTf bsK562Gata1Ucd Aln	wgEncodeSydhTf bsK562Gata1Ucd Aln_Rep1	7,855,375	5,318,276
K562	GATA1	wgEncodeSydhTf bsK562Gata1Ucd Aln	wgEncodeSydhTf bsK562Gata1Ucd Aln_Rep2	12,668,283	9,784,015
K562	JUND	wgEncodeSydhTf bsK562Jundlggra bAln	wgEncodeSydhTf bsK562Jundlggra bAln_Rep1	21,289,665	16,175,565

K562	JUND	wgEncodeSydhTf bsK562Jundlggra bAln	wgEncodeSydhTf bsK562Jundlggra bAln_Rep2	34,111,327	28,086,665
K562	JUND	wgEncodeUchica goTfbsK562Ejund ControlAln	wgEncodeUchica goTfbsK562Ejund ControlAln_Rep1	26,451,857	19,187,409
K562	MAFK	wgEncodeSydhTf bsK562Mafkab50 322lggrabAln	wgEncodeSydhTf bsK562Mafkab50 322lggrabAln_Re p1	50,748,539	28,184,245
K562	MAFK	wgEncodeSydhTf bsK562Mafkab50 322lggrabAln	wgEncodeSydhTf bsK562Mafkab50 322lggrabAln_Re p2	43,738,392	27,535,167
K562	MAX	wgEncodeHaibTf bsK562MaxV041 6102Aln	wgEncodeHaibTf bsK562MaxV041 6102Aln_Rep1	27,439,953	14,448,412
K562	MAX	wgEncodeHaibTf bsK562MaxV041 6102Aln	wgEncodeHaibTf bsK562MaxV041 6102Aln_Rep2	40,637,825	27,067,294
K562	MAX	wgEncodeSydhTf bsK562Maxlggra bAln	wgEncodeSydhTf bsK562Maxlggra bAln_Rep1	24,492,741	20,023,036
K562	MAX	wgEncodeSydhTf bsK562Maxlggra bAln	wgEncodeSydhTf bsK562Maxlggra bAln_Rep2	9,872,766	8,120,174
K562	MAZ	wgEncodeSydhTf bsK562Mazab85 725lggrabAln	wgEncodeSydhTf bsK562Mazab85 725lggrabAln_Re p1	30,146,614	23,136,632
K562	MAZ	wgEncodeSydhTf bsK562Mazab85 725lggrabAln	wgEncodeSydhTf bsK562Mazab85 725lggrabAln_Re p2	26,108,109	20,433,570
K562	MXI1	wgEncodeSydhTf bsK562Mxi1af41 85lggrabAln	wgEncodeSydhTf bsK562Mxi1af41 85lggrabAln_Rep 1	28,118,246	18,312,068
K562	MXI1	wgEncodeSydhTf bsK562Mxi1af41 85lggrabAln	wgEncodeSydhTf bsK562Mxi1af41 85lggrabAln_Rep 2	27,468,154	17,702,717
K562	MYC	wgEncodeOpenC hromChipK562C mycAln	wgEncodeOpenC hromChipK562C mycAln_Rep1	13,388,470	10,355,462
K562	MYC	wgEncodeOpenC	wgEncodeOpenC	12,249,806	8,459,299

		hromChipK562C mycAln	hromChipK562C mycAln_Rep2		
K562	MYC	wgEncodeOpenC hromChipK562C mycAln	wgEncodeOpenC hromChipK562C mycAln_Rep3	13,407,253	9,308,488
K562	MYC	wgEncodeSydhTf bsK562Cmyclggr abAln	wgEncodeSydhTf bsK562Cmyclggr abAln_Rep1	24,062,857	17,507,194
K562	MYC	wgEncodeSydhTf bsK562Cmyclggr abAln	wgEncodeSydhTf bsK562Cmyclggr abAln_Rep2	28,521,102	22,256,238
K562	MYC	wgEncodeSydhTf bsK562CmycStdA ln	wgEncodeSydhTf bsK562CmycStdA ln_Rep1	6,077,198	4,096,482
K562	MYC	wgEncodeSydhTf bsK562CmycStdA ln	wgEncodeSydhTf bsK562CmycStdA ln_Rep2	5,897,211	3,975,561
K562	POLR2A	wgEncodeBroad HistoneK562Pol2 bStdAln	wgEncodeBroad HistoneK562Pol2 bStdAln_Rep1	15,878,212	9,579,950
K562	POLR2A	wgEncodeBroad HistoneK562Pol2 bStdAln	wgEncodeBroad HistoneK562Pol2 bStdAln_Rep2	21,814,483	13,448,788
K562	POLR2A	wgEncodeHaibTf bsK562Pol2V041 6101Aln	wgEncodeHaibTf bsK562Pol2V041 6101Aln_Rep1	37,221,286	27,031,785
K562	POLR2A	wgEncodeHaibTf bsK562Pol2V041 6101Aln	wgEncodeHaibTf bsK562Pol2V041 6101Aln_Rep2	37,168,377	24,061,831
K562	POLR2A	wgEncodeOpenC hromChipK562P ol2Aln	wgEncodeOpenC hromChipK562P ol2Aln_Rep1	15,653,948	12,170,288
K562	POLR2A	wgEncodeOpenC hromChipK562P ol2Aln	wgEncodeOpenC hromChipK562P ol2Aln_Rep2	28,835,681	21,150,418
K562	POLR2A	wgEncodeSydhTf bsK562Pol2lggm usAln	wgEncodeSydhTf bsK562Pol2lggm usAln_Rep1	17,762,352	9,208,379
K562	POLR2A	wgEncodeSydhTf bsK562Pol2lggm usAln	wgEncodeSydhTf bsK562Pol2lggm usAln_Rep2	19,293,573	9,808,756
K562	POLR2A	wgEncodeSydhTf bsK562Pol2StdAl n	wgEncodeSydhTf bsK562Pol2StdAl n_Rep1	10,513,992	7,655,026
K562	POLR2A	wgEncodeSydhTf bsK562Pol2StdAl	wgEncodeSydhTf bsK562Pol2StdAl	10,855,446	7,211,263

		n	n_Rep2		
K562	RAD21	wgEncodeHaibTf bsK562Rad21V0 416102Aln	wgEncodeHaibTf bsK562Rad21V0 416102Aln_Rep1	32,550,229	9,325,753
K562	RAD21	wgEncodeHaibTf bsK562Rad21V0 416102Aln	wgEncodeHaibTf bsK562Rad21V0 416102Aln_Rep2	14,936,403	9,547,269
K562	RAD21	wgEncodeSydhTf bsK562Rad21Std Aln	wgEncodeSydhTf bsK562Rad21Std Aln_Rep1	9,330,814	7,596,698
K562	RAD21	wgEncodeSydhTf bsK562Rad21Std Aln	wgEncodeSydhTf bsK562Rad21Std Aln_Rep2	9,002,215	7,219,407
K562	RCOR1	wgEncodeSydhTf bsK562Corestab2 4166lggrabAln	wgEncodeSydhTf bsK562Corestab2 4166lggrabAln_Re p1	24,942,054	17,773,402
K562	RCOR1	wgEncodeSydhTf bsK562Corestab2 4166lggrabAln	wgEncodeSydhTf bsK562Corestab2 4166lggrabAln_Re p2	31,679,524	24,570,863
K562	RCOR1	wgEncodeSydhTf bsK562Corestsc3 0189lggrabAln	wgEncodeSydhTf bsK562Corestsc3 0189lggrabAln_Re p1	25,065,245	19,187,217
K562	RCOR1	wgEncodeSydhTf bsK562Corestsc3 0189lggrabAln	wgEncodeSydhTf bsK562Corestsc3 0189lggrabAln_Re p2	21,853,882	16,141,061
K562	RDBP	wgEncodeSydhTf bsK562NelfeStdA ln	wgEncodeSydhTf bsK562NelfeStdA ln_Rep1	22,149,434	10,547,449
K562	RDBP	wgEncodeSydhTf bsK562NelfeStdA ln	wgEncodeSydhTf bsK562NelfeStdA ln_Rep2	16,394,866	8,561,635
K562	SIN3A	wgEncodeHaibTf bsK562Sin3ak20 V0416101Aln	wgEncodeHaibTf bsK562Sin3ak20 V0416101Aln_Re p1	34,035,581	24,496,963
K562	SIN3A	wgEncodeHaibTf bsK562Sin3ak20 V0416101Aln	wgEncodeHaibTf bsK562Sin3ak20 V0416101Aln_Re p2	43,813,180	29,591,229
K562	SMC3	wgEncodeSydhTf bsK562Smc3ab9 263lggrabAln	wgEncodeSydhTf bsK562Smc3ab9 263lggrabAln_Re	14,538,812	9,590,982

			p1		
K562	SMC3	wgEncodeSydhTf bsK562Smc3ab9 263lggrabAln	wgEncodeSydhTf bsK562Smc3ab9 263lggrabAln_Re p2	16,324,647	11,359,465
K562	TAL1	wgEncodeSydhTf bsK562Tal1sc129 84lggmusAln	wgEncodeSydhTf bsK562Tal1sc129 84lggmusAln_Re p1	32,146,960	22,700,599
K562	TAL1	wgEncodeSydhTf bsK562Tal1sc129 84lggmusAln	wgEncodeSydhTf bsK562Tal1sc129 84lggmusAln_Re p2	21,844,596	15,381,835
K562	TBP	wgEncodeSydhTf bsK562Tbplggmu sAln	wgEncodeSydhTf bsK562Tbplggmu sAln_Rep1	24,746,815	15,874,844
K562	TBP	wgEncodeSydhTf bsK562Tbplggmu sAln	wgEncodeSydhTf bsK562Tbplggmu sAln_Rep2	27,828,132	17,964,040
K562	UBTF	wgEncodeSydhTf bsK562Ubfsc131 25lggmusAln	wgEncodeSydhTf bsK562Ubfsc131 25lggmusAln_Re p1	28,172,547	19,417,737
K562	UBTF	wgEncodeSydhTf bsK562Ubfsc131 25lggmusAln	wgEncodeSydhTf bsK562Ubfsc131 25lggmusAln_Re p2	25,116,287	16,756,588
K562	UBTF	wgEncodeSydhTf bsK562Ubtfsab14 04509lggmusAln	wgEncodeSydhTf bsK562Ubtfsab14 04509lggmusAln _Rep1	30,578,424	20,219,971
K562	UBTF	wgEncodeSydhTf bsK562Ubtfsab14 04509lggmusAln	wgEncodeSydhTf bsK562Ubtfsab14 04509lggmusAln _Rep2	25,522,230	16,170,269
K562	USF2	wgEncodeSydhTf bsK562Usf2lggra bAln	wgEncodeSydhTf bsK562Usf2lggra bAln_Rep1	25,460,789	14,507,260
K562	USF2	wgEncodeSydhTf bsK562Usf2lggra bAln	wgEncodeSydhTf bsK562Usf2lggra bAln_Rep2	24,170,112	14,406,632
MEL	BHLHE40	wgEncodeSydhTf bsMelBhlhe40lgg mus	wgEncodeSydhTf bsMelBhlhe40lgg mus_Rep1	23,800,871	16,855,397
MEL	BHLHE40	wgEncodeSydhTf bsMelBhlhe40lgg	wgEncodeSydhTf bsMelBhlhe40lgg	35,085,687	25,223,764

		mus	mus_Rep2		
MEL	CHD1	wgEncodeSydhTf bsMelChd1Iggrab	wgEncodeSydhTf bsMelChd1Iggrab _Rep1	22,148,271	15,669,297
MEL	CHD1	wgEncodeSydhTf bsMelChd1Iggrab	wgEncodeSydhTf bsMelChd1Iggrab _Rep2	25,124,553	18,312,193
MEL	CHD2	wgEncodeSydhTf bsMelChd2ab683 01Iggrab	wgEncodeSydhTf bsMelChd2ab683 01Iggrab_Rep1	32,564,820	23,615,357
MEL	CHD2	wgEncodeSydhTf bsMelChd2ab683 01Iggrab	wgEncodeSydhTf bsMelChd2ab683 01Iggrab_Rep2	38,165,983	24,652,019
MEL	CTCF	wgEncodeLicrTfb sMelCtcfMlmmor talC57bl6Std	wgEncodeLicrTfb sMelCtcfMlmmor talC57bl6Std_Re p1	45,926,902	6,242,826
MEL	CTCF	wgEncodeLicrTfb sMelCtcfMlmmor talC57bl6Std	wgEncodeLicrTfb sMelCtcfMlmmor talC57bl6Std_Re p2	82,229,287	6,565,642
MEL	CTCF	wgEncodePsuTfb sMelCtcfMlmmor talC57bl6Input	wgEncodePsuTfb sMelCtcfMlmmor talC57bl6Input_R ep1	21,649,898	18,575,530
MEL	CTCF	wgEncodePsuTfb sMelCtcfMlmmor talC57bl6Input	wgEncodePsuTfb sMelCtcfMlmmor talC57bl6Input_R ep2	33,289,675	23,601,537
MEL	CTCF	wgEncodeSydhTf bsMelCtcfsc1591 4Iggrab	wgEncodeSydhTf bsMelCtcfsc1591 4Iggrab_Rep1	36,198,142	27,755,388
MEL	CTCF	wgEncodeSydhTf bsMelCtcfsc1591 4Iggrab	wgEncodeSydhTf bsMelCtcfsc1591 4Iggrab_Rep2	29,331,069	21,268,874
MEL	E2F4	wgEncodeSydhTf bsMelE2f4Iggrab	wgEncodeSydhTf bsMelE2f4Iggrab_ Rep1	26,286,449	15,131,448
MEL	E2F4	wgEncodeSydhTf bsMelE2f4Iggrab	wgEncodeSydhTf bsMelE2f4Iggrab_ Rep2	23,425,868	15,864,464
MEL	EP300	wgEncodeSydhTf bsMelP300Iggrab	wgEncodeSydhTf bsMelP300Iggrab _Rep1	46,631,158	32,231,332
MEL	EP300	wgEncodeSydhTf bsMelP300Iggrab	wgEncodeSydhTf bsMelP300Iggrab	30,464,405	23,146,858

			_Rep2		
MEL	EP300	wgEncodeSydhTf bsMelP300sc584l ggrab	wgEncodeSydhTf bsMelP300sc584l ggrab_Rep1	46,631,158	32,231,332
MEL	EP300	wgEncodeSydhTf bsMelP300sc584l ggrab	wgEncodeSydhTf bsMelP300sc584l ggrab_Rep2	30,464,405	23,146,858
MEL	ETS1	wgEncodeSydhTf bsMelEts1lggrab	wgEncodeSydhTf bsMelEts1lggrab_Rep1	30,697,776	15,689,735
MEL	ETS1	wgEncodeSydhTf bsMelEts1lggrab	wgEncodeSydhTf bsMelEts1lggrab_Rep2	23,022,939	14,598,671
MEL	GATA1	wgEncodeSydhTf bsMelGata1lggrat	wgEncodeSydhTf bsMelGata1lggrat_Rep1	28,438,432	17,277,431
MEL	GATA1	wgEncodeSydhTf bsMelGata1lggrat	wgEncodeSydhTf bsMelGata1lggrat_Rep2	23,924,691	16,830,673
MEL	JUND	wgEncodeSydhTf bsMelJundlggrab	wgEncodeSydhTf bsMelJundlggrab_Rep1	27,657,276	15,351,192
MEL	JUND	wgEncodeSydhTf bsMelJundlggrab	wgEncodeSydhTf bsMelJundlggrab_Rep2	24,751,340	16,560,622
MEL	MAFK	wgEncodeSydhTf bsMelMafkab503 22lggrab	wgEncodeSydhTf bsMelMafkab503 22lggrab_Rep1	26,716,706	20,042,487
MEL	MAFK	wgEncodeSydhTf bsMelMafkab503 22lggrab	wgEncodeSydhTf bsMelMafkab503 22lggrab_Rep2	33,569,087	25,206,177
MEL	MAX	wgEncodeSydhTf bsMelMaxlggrab	wgEncodeSydhTf bsMelMaxlggrab_Rep1	42,971,156	30,471,589
MEL	MAX	wgEncodeSydhTf bsMelMaxlggrab	wgEncodeSydhTf bsMelMaxlggrab_Rep2	34,266,110	25,466,515
MEL	MAZ	wgEncodeSydhTf bsMelMazlggrab	wgEncodeSydhTf bsMelMazlggrab_Rep1	22,105,570	16,646,065
MEL	MAZ	wgEncodeSydhTf bsMelMazlggrab	wgEncodeSydhTf bsMelMazlggrab_Rep2	23,314,575	18,134,417
MEL	MXI1	wgEncodeSydhTf bsMelMxi1af418 5lggrab	wgEncodeSydhTf bsMelMxi1af418 5lggrab_Rep1	32,996,452	21,865,450

MEL	MXI1	wgEncodeSydhTf bsMelMxi1af418 5lggrab	wgEncodeSydhTf bsMelMxi1af418 5lggrab_Rep2	31,948,163	23,640,387
MEL	MYC	wgEncodeSydhTf bsMelCmyclggra b	wgEncodeSydhTf bsMelCmyclggra b_Rep1	25,555,179	11,761,867
MEL	MYC	wgEncodeSydhTf bsMelCmyclggra b	wgEncodeSydhTf bsMelCmyclggra b_Rep2	28,089,808	14,688,504
MEL	POLR2F	wgEncodeLicrTfb sMelPol2Mlmmor talC57bl6Std	wgEncodeLicrTfb sMelPol2Mlmmor talC57bl6Std_Re p1	58,058,243	7,177,293
MEL	POLR2F	wgEncodeLicrTfb sMelPol2Mlmmor talC57bl6Std	wgEncodeLicrTfb sMelPol2Mlmmor talC57bl6Std_Re p2	46,346,116	7,654,634
MEL	POLR2F	wgEncodeSydhTf bsMelPol2lggmus	wgEncodeSydhTf bsMelPol2lggmus _Rep1	21,694,652	16,544,419
MEL	POLR2F	wgEncodeSydhTf bsMelPol2lggmus	wgEncodeSydhTf bsMelPol2lggmus _Rep2	26,616,012	18,386,521
MEL	RAD21	wgEncodeSydhTf bsMelRad21lggra b	wgEncodeSydhTf bsMelRad21lggra b_Rep1	30,256,538	22,563,907
MEL	RAD21	wgEncodeSydhTf bsMelRad21lggra b	wgEncodeSydhTf bsMelRad21lggra b_Rep2	26,480,389	19,646,204
MEL	RCOR1	wgEncodeSydhTf bsMelCorestlggm us	wgEncodeSydhTf bsMelCorestlggm us_Rep1	23,695,610	17,896,559
MEL	RCOR1	wgEncodeSydhTf bsMelCorestlggm us	wgEncodeSydhTf bsMelCorestlggm us_Rep2	30,541,627	22,524,560
MEL	RDBP	wgEncodeSydhTf bsMelNelfelggrab	wgEncodeSydhTf bsMelNelfelggrab _Rep1	27,519,864	20,043,511
MEL	RDBP	wgEncodeSydhTf bsMelNelfelggrab	wgEncodeSydhTf bsMelNelfelggrab _Rep2	29,121,684	20,815,955
MEL	SIN3A	wgEncodeSydhTf bsMelSin3alggmu s	wgEncodeSydhTf bsMelSin3alggmu s_Rep1	29,135,015	22,587,510
MEL	SIN3A	wgEncodeSydhTf bsMelSin3alggmu	wgEncodeSydhTf bsMelSin3alggmu	33,687,392	26,757,103

		s	s_Rep2		
MEL	SMC3	wgEncodeSydhTf bsMelSmc3ab926 3lggrab	wgEncodeSydhTf bsMelSmc3ab926 3lggrab_Rep1	28,692,130	22,579,383
MEL	SMC3	wgEncodeSydhTf bsMelSmc3ab926 3lggrab	wgEncodeSydhTf bsMelSmc3ab926 3lggrab_Rep2	24,659,540	19,915,520
MEL	TAL1	wgEncodePsuTfb sMelTal1UImmor talC57bl6Input	wgEncodePsuTfb sMelTal1UImmor talC57bl6Input_R ep1	38,264,871	28,124,068
MEL	TAL1	wgEncodePsuTfb sMelTal1UImmor talC57bl6Input	wgEncodePsuTfb sMelTal1UImmor talC57bl6Input_R ep2	63,229,542	39,609,161
MEL	TBP	wgEncodeSydhTf bsMelTbplggmus	wgEncodeSydhTf bsMelTbplggmus _Rep1	26,586,093	16,306,252
MEL	TBP	wgEncodeSydhTf bsMelTbplggmus	wgEncodeSydhTf bsMelTbplggmus _Rep2	25,569,796	16,651,302
MEL	UBTF	wgEncodeSydhTf bsMelUbflggmus	wgEncodeSydhTf bsMelUbflggmus _Rep1	26,940,655	10,078,673
MEL	UBTF	wgEncodeSydhTf bsMelUbflggmus	wgEncodeSydhTf bsMelUbflggmus _Rep2	25,125,354	10,355,894
MEL	USF2	wgEncodeSydhTf bsMelUsf2lggmus	wgEncodeSydhTf bsMelUsf2lggmus _Rep1	15,501,404	10,739,090
MEL	USF2	wgEncodeSydhTf bsMelUsf2lggmus	wgEncodeSydhTf bsMelUsf2lggmus _Rep2	34,078,696	23,363,107
MEL	USF2	wgEncodeSydhTf bsMelUsf2lggrab	wgEncodeSydhTf bsMelUsf2lggrab _Rep1	31,934,317	24,062,977
MEL	USF2	wgEncodeSydhTf bsMelUsf2lggrab	wgEncodeSydhTf bsMelUsf2lggrab _Rep2	26,467,773	20,262,484

Supplementary Table 2A: TF-TE relationships in Human. The listed TF-TE relationships represented TE subfamilies that enriched for TF binding peaks, as measured by a Log-Odds Ratio, LOR (see Methods). Statistical significance of the enrichment was computed using a hypergeometric test.

TF	Species	TE subfamily	TE Class	TE Family	p-value	LOR
BHLHE40	Human	<i>LTR10A</i>	LTR	ERV1	2.292E-23	4.186
BHLHE40	Human	<i>LTR13</i>	LTR	ERVK	7.796E-37	3.665
BHLHE40	Human	<i>LTR13_</i>	LTR	ERVK	3.223E-13	4.824
BHLHE40	Human	<i>LTR13A</i>	LTR	ERVK	9.985E-35	4.536
BHLHE40	Human	<i>LTR18A</i>	LTR	ERVL	1.114E-13	4.167
BHLHE40	Human	<i>LTR19C</i>	LTR	ERV1	1.174E-09	3.726
BHLHE40	Human	<i>LTR2</i>	LTR	ERV1	1.905E-04	1.791
BHLHE40	Human	<i>LTR2C</i>	LTR	ERV1	8.386E-12	3.901
BHLHE40	Human	<i>LTR53</i>	LTR	ERVL	1.617E-07	2.571
BHLHE40	Human	<i>LTR62</i>	LTR	ERVL	1.241E-09	3.310
BHLHE40	Human	<i>LTR76</i>	LTR	ERV1	2.264E-10	3.717
BHLHE40	Human	<i>MER41B</i>	LTR	ERV1	1.105E-09	1.748
BHLHE40	Human	<i>MER54A</i>	LTR	ERVL	1.291E-05	2.106
BHLHE40	Human	<i>MER61E</i>	LTR	ERV1	9.730E-26	4.381
BHLHE40	Human	<i>MER72</i>	LTR	ERV1	5.101E-06	2.132
CHD2	Human	<i>MSTA</i>	LTR	ERVL-MaLR	1.189E-145	2.924
CHD2	Human	<i>THE1A</i>	LTR	ERVL-MaLR	1.532E-34	2.961
CHD2	Human	<i>THE1B</i>	LTR	ERVL-MaLR	6.445E-93	2.434
CHD2	Human	<i>THE1C</i>	LTR	ERVL-MaLR	2.094E-60	2.725
CHD2	Human	<i>THE1D</i>	LTR	ERVL-MaLR	2.768E-187	3.519
CTCF	Human	<i>AmnSINE1</i>	SINE	Deu	8.410E-19	2.978
CTCF	Human	<i>HERVE-int</i>	LTR	ERV1	2.395E-15	1.919
CTCF	Human	<i>HERVH48-int</i>	LTR	ERV1	8.820E-07	1.867
CTCF	Human	<i>HERVK-int</i>	LTR	ERVK	2.686E-17	2.059
CTCF	Human	<i>HERVL18-int</i>	LTR	ERVL	1.040E-07	1.576
CTCF	Human	<i>HUERS-P2-int</i>	LTR	ERV1	6.592E-22	2.823
CTCF	Human	<i>HUERS-P3-int</i>	LTR	ERV1	4.275E-38	2.525
CTCF	Human	<i>HUERS-P3b-int</i>	LTR	ERV1	1.287E-11	1.859
CTCF	Human	<i>L1M3f</i>	LINE	L1	4.539E-16	1.891
CTCF	Human	<i>LTR1</i>	LTR	ERV1	1.034E-43	2.348
CTCF	Human	<i>LTR13</i>	LTR	ERVK	1.640E-281	4.714
CTCF	Human	<i>LTR13_</i>	LTR	ERVK	2.158E-30	4.733
CTCF	Human	<i>LTR28</i>	LTR	ERV1	6.646E-11	2.006
CTCF	Human	<i>LTR2C</i>	LTR	ERV1	5.855E-07	2.515
CTCF	Human	<i>LTR33A_</i>	LTR	ERVL	1.508E-13	1.925
CTCF	Human	<i>LTR35</i>	LTR	ERV1	3.425E-12	3.753
CTCF	Human	<i>LTR41</i>	LTR	ERVL	4.758E-197	4.140

CTCF	Human	<i>LTR41B</i>	LTR	ERVL	2.767E-118	4.174
CTCF	Human	<i>LTR45C</i>	LTR	ERV1	6.734E-04	1.656
CTCF	Human	<i>LTR50</i>	LTR	ERVL	2.650E-152	3.549
CTCF	Human	<i>LTR55</i>	LTR	ERV	2.005E-47	3.906
CTCF	Human	<i>LTR60</i>	LTR	ERV1	6.873E-13	3.184
CTCF	Human	<i>LTR88a</i>	LTR	Gypsy?	1.773E-04	1.705
CTCF	Human	<i>MamGypLTR3</i>	LTR	Gypsy	1.149E-89	4.248
CTCF	Human	<i>MamRep1161</i>	DNA	TcMar	1.544E-26	2.802
CTCF	Human	<i>MER102a</i>	DNA	hAT-Charlie	1.593E-08	1.529
CTCF	Human	<i>MER102c</i>	DNA	hAT-Charlie	3.575E-11	1.634
CTCF	Human	<i>MER106B</i>	DNA	hAT-Charlie	2.036E-05	1.935
CTCF	Human	<i>MER119</i>	DNA	hAT-Charlie	2.137E-13	2.164
CTCF	Human	<i>MER135</i>	DNA	DNA	2.297E-26	3.885
CTCF	Human	<i>MER20</i>	DNA	hAT-Charlie	0.000E+00	3.365
CTCF	Human	<i>MER20B</i>	DNA	hAT-Charlie	2.960E-32	2.050
CTCF	Human	<i>MER34A1</i>	LTR	ERV1	6.148E-06	1.726
CTCF	Human	<i>MER34B</i>	LTR	ERV1	3.532E-06	1.785
CTCF	Human	<i>MER66C</i>	LTR	ERV1	1.115E-31	3.446
CTCF	Human	<i>MER74A</i>	LTR	ERVL	1.307E-11	1.658
CTCF	Human	<i>MER91A</i>	DNA	hAT-Tip100	9.599E-17	2.089
CTCF	Human	<i>MER91B</i>	DNA	hAT-Tip100	7.742E-161	5.024
CTCF	Human	<i>MER91C</i>	DNA	hAT-Tip100	1.790E-147	5.119
CTCF	Human	<i>Tigger16a</i>	DNA	TcMar-Tigger	1.759E-08	2.578
EP300	Human	<i>AmnSINE1</i>	SINE	Deu	2.388E-15	3.316
EP300	Human	<i>HERV1_LTRc</i>	LTR	ERV1	1.089E-16	5.773
EP300	Human	<i>LFSINE_Vert</i>	SINE	SINE	8.912E-08	2.638
EP300	Human	<i>LTR10A</i>	LTR	ERV1	6.124E-27	3.989
EP300	Human	<i>LTR13</i>	LTR	ERVK	1.242E-05	1.713
EP300	Human	<i>LTR13A</i>	LTR	ERVK	8.481E-14	3.263
EP300	Human	<i>LTR15</i>	LTR	ERV1	1.959E-70	5.324
EP300	Human	<i>LTR18B</i>	LTR	ERVL	3.426E-06	2.413
EP300	Human	<i>LTR19A</i>	LTR	ERV1	1.048E-08	2.762
EP300	Human	<i>LTR19B</i>	LTR	ERV1	3.323E-30	4.247
EP300	Human	<i>LTR19C</i>	LTR	ERV1	4.421E-21	4.219
EP300	Human	<i>LTR2</i>	LTR	ERV1	4.847E-53	3.786
EP300	Human	<i>LTR21A</i>	LTR	ERV1	2.590E-27	5.309
EP300	Human	<i>LTR2B</i>	LTR	ERV1	2.905E-19	3.606
EP300	Human	<i>LTR2C</i>	LTR	ERV1	6.280E-09	3.279
EP300	Human	<i>LTR3</i>	LTR	ERVK	4.970E-12	4.446
EP300	Human	<i>LTR4</i>	LTR	ERV1	6.864E-57	5.882
EP300	Human	<i>LTR45C</i>	LTR	ERV1	1.709E-11	3.163
EP300	Human	<i>LTR46</i>	LTR	ERV1	4.830E-14	3.857
EP300	Human	<i>LTR47A</i>	LTR	ERVL	2.382E-05	2.015
EP300	Human	<i>LTR52</i>	LTR	ERVL	3.209E-08	2.260

EP300	Human	<i>LTR53</i>	LTR	ERVL	9.337E-32	3.648
EP300	Human	<i>LTR54</i>	LTR	ERV1	6.219E-04	1.585
EP300	Human	<i>LTR55</i>	LTR	ERV	7.399E-13	3.200
EP300	Human	<i>LTR56</i>	LTR	ERV1	1.147E-03	1.558
EP300	Human	<i>LTR5B</i>	LTR	ERVK	1.069E-09	2.274
EP300	Human	<i>LTR61</i>	LTR	ERV1	7.753E-14	3.989
EP300	Human	<i>LTR62</i>	LTR	ERVL	2.681E-26	4.009
EP300	Human	<i>LTR6A</i>	LTR	ERV1	4.575E-07	2.700
EP300	Human	<i>LTR71B</i>	LTR	ERV1	2.225E-10	3.332
EP300	Human	<i>LTR73</i>	LTR	ERV1	9.534E-15	3.841
EP300	Human	<i>LTR76</i>	LTR	ERV1	5.097E-83	5.579
EP300	Human	<i>LTR7C</i>	LTR	ERV1	1.371E-24	4.001
EP300	Human	<i>LTR8</i>	LTR	ERV1	2.628E-18	1.746
EP300	Human	<i>MamSINE1</i>	SINE	tRNA	1.014E-04	1.893
EP300	Human	<i>MER11A</i>	LTR	ERVK	7.214E-119	3.696
EP300	Human	<i>MER11B</i>	LTR	ERVK	1.110E-187	4.681
EP300	Human	<i>MER11C</i>	LTR	ERVK	5.031E-24	2.345
EP300	Human	<i>MER11D</i>	LTR	ERVK	1.091E-12	2.962
EP300	Human	<i>MER34A</i>	LTR	ERV1	3.454E-11	2.286
EP300	Human	<i>MER41B</i>	LTR	ERV1	1.156E-80	3.188
EP300	Human	<i>MER41E</i>	LTR	ERV1	6.122E-19	3.662
EP300	Human	<i>MER44A</i>	DNA	TcMar-Tigger	4.953E-09	1.861
EP300	Human	<i>MER44B</i>	DNA	TcMar-Tigger	2.345E-29	2.720
EP300	Human	<i>MER44C</i>	DNA	TcMar-Tigger	8.885E-11	2.223
EP300	Human	<i>MER44D</i>	DNA	TcMar-Tigger	5.316E-06	2.124
EP300	Human	<i>MER48</i>	LTR	ERV1	4.392E-10	3.621
EP300	Human	<i>MER49</i>	LTR	ERV1	3.716E-10	1.990
EP300	Human	<i>MER4A</i>	LTR	ERV1	3.800E-06	1.727
EP300	Human	<i>MER4C</i>	LTR	ERV1	6.625E-08	1.996
EP300	Human	<i>MER54A</i>	LTR	ERVL	8.475E-10	2.358
EP300	Human	<i>MER54B</i>	LTR	ERVL	7.972E-11	2.905
EP300	Human	<i>MER57E1</i>	LTR	ERV1	1.003E-09	3.018
EP300	Human	<i>MER61E</i>	LTR	ERV1	4.562E-46	4.633
EP300	Human	<i>MER61F</i>	LTR	ERV1	1.408E-17	4.228
EP300	Human	<i>MER65C</i>	LTR	ERV1	7.490E-12	2.812
EP300	Human	<i>MER72</i>	LTR	ERV1	3.822E-18	2.862
EP300	Human	<i>MER73</i>	LTR	ERVL	7.890E-13	3.447
EP300	Human	<i>MER74A</i>	LTR	ERVL	9.230E-07	1.626
EP300	Human	<i>MER74B</i>	LTR	ERVL	9.496E-10	2.349
EP300	Human	<i>MER83</i>	LTR	ERV1	1.011E-15	3.377
EP300	Human	<i>MER89</i>	LTR	ERV1	1.439E-08	2.012
EP300	Human	<i>PRIMA4_LTR</i>	LTR	ERV1	6.594E-06	2.454
EP300	Human	<i>Tigger6a</i>	DNA	TcMar-Tigger	2.839E-05	1.676
EP300	Human	<i>Tigger7</i>	DNA	TcMar-Tigger	7.072E-25	2.480

ETS1	Human	<i>MLT1J</i>	LTR	ERV1-MaLR	4.778E-28	3.204
ETS1	Human	<i>MLT1J2</i>	LTR	ERV1-MaLR	9.647E-24	3.841
ETS1	Human	<i>MSTA</i>	LTR	ERV1-MaLR	1.168E-07	1.717
ETS1	Human	<i>THE1A</i>	LTR	ERV1-MaLR	7.987E-14	3.410
ETS1	Human	<i>THE1C</i>	LTR	ERV1-MaLR	2.055E-06	1.990
ETS1	Human	<i>THE1D</i>	LTR	ERV1-MaLR	2.424E-06	1.837
GATA1	Human	<i>LTR19C</i>	LTR	ERV1	2.654E-25	6.990
GATA1	Human	<i>LTR21A</i>	LTR	ERV1	5.963E-23	7.799
GATA1	Human	<i>LTR53</i>	LTR	ERV1	4.176E-24	5.767
GATA1	Human	<i>MER54A</i>	LTR	ERV1	1.829E-17	5.130
GATA1	Human	<i>MER54B</i>	LTR	ERV1	2.297E-17	5.744
GATA1	Human	<i>MER61E</i>	LTR	ERV1	1.027E-43	7.182
GATA1	Human	<i>MLT1H</i>	LTR	ERV1-MaLR	2.522E-04	1.747
JUND	Human	<i>AmnSINE1</i>	SINE	Deu	1.993E-08	2.689
JUND	Human	<i>FordPrefect</i>	DNA	hAT-Tip100	4.637E-04	1.554
JUND	Human	<i>LTR10A</i>	LTR	ERV1	3.765E-39	4.318
JUND	Human	<i>LTR10F</i>	LTR	ERV1	1.348E-12	2.944
JUND	Human	<i>LTR13</i>	LTR	ERV1	1.718E-47	3.535
JUND	Human	<i>LTR13A</i>	LTR	ERV1	1.341E-18	3.510
JUND	Human	<i>LTR15</i>	LTR	ERV1	1.103E-26	4.250
JUND	Human	<i>LTR18A</i>	LTR	ERV1	1.291E-18	4.100
JUND	Human	<i>LTR18B</i>	LTR	ERV1	2.785E-23	3.661
JUND	Human	<i>LTR19B</i>	LTR	ERV1	3.986E-08	2.873
JUND	Human	<i>LTR19C</i>	LTR	ERV1	6.059E-10	3.386
JUND	Human	<i>LTR26</i>	LTR	ERV1	1.098E-06	2.134
JUND	Human	<i>LTR4</i>	LTR	ERV1	8.663E-12	4.108
JUND	Human	<i>LTR41</i>	LTR	ERV1	1.031E-08	1.892
JUND	Human	<i>LTR41B</i>	LTR	ERV1	9.610E-11	2.458
JUND	Human	<i>LTR45C</i>	LTR	ERV1	1.019E-06	2.587
JUND	Human	<i>LTR46</i>	LTR	ERV1	3.379E-08	3.242
JUND	Human	<i>LTR53</i>	LTR	ERV1	4.830E-13	2.767
JUND	Human	<i>LTR54</i>	LTR	ERV1	1.062E-14	2.733
JUND	Human	<i>LTR55</i>	LTR	ERV1	1.738E-15	3.337
JUND	Human	<i>LTR62</i>	LTR	ERV1	2.149E-09	2.934
JUND	Human	<i>LTR64</i>	LTR	ERV1	1.277E-08	3.015
JUND	Human	<i>LTR73</i>	LTR	ERV1	6.938E-08	3.139
JUND	Human	<i>LTR76</i>	LTR	ERV1	1.687E-07	3.010
JUND	Human	<i>LTR7C</i>	LTR	ERV1	6.070E-08	2.820
JUND	Human	<i>LTR8</i>	LTR	ERV1	5.450E-52	2.470
JUND	Human	<i>LTR8A</i>	LTR	ERV1	2.191E-36	2.313
JUND	Human	<i>MamSINE1</i>	SINE	tRNA	4.574E-07	2.234
JUND	Human	<i>MER119</i>	DNA	hAT-Charlie	1.801E-05	1.799
JUND	Human	<i>MER41B</i>	LTR	ERV1	9.249E-58	2.857
JUND	Human	<i>MER41E</i>	LTR	ERV1	3.974E-13	3.250

JUND	Human	<i>MER44B</i>	DNA	TcMar-Tigger	1.683E-55	3.231
JUND	Human	<i>MER44C</i>	DNA	TcMar-Tigger	1.998E-24	2.886
JUND	Human	<i>MER44D</i>	DNA	TcMar-Tigger	5.996E-21	3.242
JUND	Human	<i>MER48</i>	LTR	ERV1	4.459E-17	4.132
JUND	Human	<i>MER4C</i>	LTR	ERV1	1.545E-07	1.921
JUND	Human	<i>MER54A</i>	LTR	ERVL	4.955E-08	2.146
JUND	Human	<i>MER54B</i>	LTR	ERVL	9.035E-09	2.661
JUND	Human	<i>MER61E</i>	LTR	ERV1	2.906E-20	3.743
JUND	Human	<i>MER65D</i>	LTR	ERV1	1.867E-06	2.649
JUND	Human	<i>MER66C</i>	LTR	ERV1	2.469E-08	2.665
JUND	Human	<i>MER72</i>	LTR	ERV1	1.155E-09	2.267
JUND	Human	<i>MER83</i>	LTR	ERV1	1.154E-08	2.750
JUND	Human	<i>MER91B</i>	DNA	hAT-Tip100	6.599E-06	2.316
JUND	Human	<i>MLT1F</i>	LTR	ERVL-MaLR	4.546E-12	1.507
JUND	Human	<i>MLT1F1</i>	LTR	ERVL-MaLR	1.424E-13	1.789
JUND	Human	<i>MLT1M</i>	LTR	ERVL-MaLR	1.552E-05	1.580
JUND	Human	<i>Plat_L3</i>	LINE	CR1	2.311E-08	1.754
JUND	Human	<i>Tigger7</i>	DNA	TcMar-Tigger	3.482E-46	2.957
MAFK	Human	<i>L1MC3</i>	LINE	L1	7.193E-28	1.599
MAFK	Human	<i>L1PBa1</i>	LINE	L1	2.262E-04	1.764
MAFK	Human	<i>LTR13A</i>	LTR	ERVK	1.317E-36	5.072
MAFK	Human	<i>LTR17</i>	LTR	ERV1	2.142E-04	1.876
MAFK	Human	<i>LTR18A</i>	LTR	ERVL	7.760E-40	5.837
MAFK	Human	<i>LTR18B</i>	LTR	ERVL	3.180E-48	5.290
MAFK	Human	<i>LTR26</i>	LTR	ERV1	1.088E-19	3.909
MAFK	Human	<i>LTR54B</i>	LTR	ERV1	2.230E-16	3.742
MAFK	Human	<i>LTR8</i>	LTR	ERV1	1.379E-25	2.566
MAFK	Human	<i>LTR8A</i>	LTR	ERV1	9.815E-12	2.052
MAFK	Human	<i>MER31B</i>	LTR	ERV1	3.093E-05	2.087
MAFK	Human	<i>MER4C</i>	LTR	ERV1	2.179E-14	3.173
MAFK	Human	<i>MER82</i>	DNA	TcMar-Tigger	2.680E-06	1.665
MAFK	Human	<i>Tigger6a</i>	DNA	TcMar-Tigger	5.480E-06	2.351
MAX	Human	<i>HUERS-P3-int</i>	LTR	ERV1	1.049E-07	1.612
MAX	Human	<i>HUERS-P3b-int</i>	LTR	ERV1	2.353E-06	1.672
MAX	Human	<i>LTR1</i>	LTR	ERV1	4.758E-10	1.581
MAX	Human	<i>LTR10F</i>	LTR	ERV1	5.190E-10	2.635
MAX	Human	<i>LTR13</i>	LTR	ERVK	4.662E-16	2.474
MAX	Human	<i>LTR13A</i>	LTR	ERVK	1.112E-10	2.871
MAX	Human	<i>LTR18A</i>	LTR	ERVL	1.865E-32	4.567
MAX	Human	<i>LTR18B</i>	LTR	ERVL	1.688E-05	2.173
MAX	Human	<i>LTR19B</i>	LTR	ERV1	3.578E-13	3.255
MAX	Human	<i>LTR19C</i>	LTR	ERV1	2.206E-10	3.327
MAX	Human	<i>LTR41</i>	LTR	ERVL	7.534E-12	2.060
MAX	Human	<i>LTR41B</i>	LTR	ERVL	8.154E-10	2.292

MAX	Human	<i>LTR45C</i>	LTR	ERV1	2.800E-12	3.084
MAX	Human	<i>LTR5_Hs</i>	LTR	ERVK	2.160E-10	1.871
MAX	Human	<i>LTR53</i>	LTR	ERVL	4.984E-12	2.601
MAX	Human	<i>LTR55</i>	LTR	ERV	5.394E-09	2.713
MAX	Human	<i>LTR5B</i>	LTR	ERVK	1.636E-05	1.680
MAX	Human	<i>LTR62</i>	LTR	ERVL	2.661E-06	2.447
MAX	Human	<i>LTR7C</i>	LTR	ERV1	2.167E-07	2.655
MAX	Human	<i>LTR9</i>	LTR	ERV1	1.279E-51	2.793
MAX	Human	<i>LTR9B</i>	LTR	ERV1	1.367E-40	3.526
MAX	Human	<i>MamGypLTR3</i>	LTR	Gypsy	1.397E-06	2.194
MAX	Human	<i>MER41E</i>	LTR	ERV1	1.737E-05	2.297
MAX	Human	<i>MER48</i>	LTR	ERV1	2.122E-21	4.256
MAX	Human	<i>MER54A</i>	LTR	ERVL	6.775E-08	2.051
MAX	Human	<i>MER57B1</i>	LTR	ERV1	2.831E-15	2.628
MAX	Human	<i>MER57B2</i>	LTR	ERV1	1.166E-05	1.782
MAX	Human	<i>MER61A</i>	LTR	ERV1	9.637E-07	2.066
MAX	Human	<i>MER61C</i>	LTR	ERV1	2.565E-06	2.599
MAX	Human	<i>MER61D</i>	LTR	ERV1	7.320E-07	2.789
MAX	Human	<i>MER61E</i>	LTR	ERV1	3.107E-20	3.634
MAX	Human	<i>MER72</i>	LTR	ERV1	1.997E-09	2.163
MAX	Human	<i>MER74B</i>	LTR	ERVL	3.145E-07	1.972
MAX	Human	<i>MER91B</i>	DNA	hAT-Tip100	8.856E-05	2.025
MAX	Human	<i>MER91C</i>	DNA	hAT-Tip100	1.767E-09	2.828
MAX	Human	<i>MLT1F1</i>	LTR	ERVL-MaLR	6.473E-10	1.504
MAX	Human	<i>MLT1G3</i>	LTR	ERVL-MaLR	5.752E-16	1.932
MAX	Human	<i>MLT1H2</i>	LTR	ERVL-MaLR	6.264E-18	1.900
MAX	Human	<i>MLT1I</i>	LTR	ERVL-MaLR	6.593E-32	1.756
MAX	Human	<i>MLT1J</i>	LTR	ERVL-MaLR	9.077E-75	2.038
MAX	Human	<i>MLT1J1</i>	LTR	ERVL-MaLR	9.901E-20	1.951
MAX	Human	<i>MLT1J2</i>	LTR	ERVL-MaLR	3.034E-27	1.922
MAX	Human	<i>MLT1K</i>	LTR	ERVL-MaLR	1.879E-71	1.939
MAX	Human	<i>MLT1M</i>	LTR	ERVL-MaLR	3.112E-10	1.999
MAZ	Human	<i>AmnSINE1</i>	SINE	Deu	5.378E-06	2.488
MAZ	Human	<i>LTR13</i>	LTR	ERVK	1.005E-05	1.802
MAZ	Human	<i>LTR13A</i>	LTR	ERVK	1.139E-10	3.112
MAZ	Human	<i>LTR19B</i>	LTR	ERV1	3.405E-14	3.588
MAZ	Human	<i>LTR19C</i>	LTR	ERV1	1.035E-09	3.516
MAZ	Human	<i>LTR41</i>	LTR	ERVL	1.192E-21	2.775
MAZ	Human	<i>LTR41B</i>	LTR	ERVL	2.335E-23	3.309
MAZ	Human	<i>LTR50</i>	LTR	ERVL	5.433E-18	2.329
MAZ	Human	<i>LTR52</i>	LTR	ERVL	1.447E-05	1.990
MAZ	Human	<i>LTR53</i>	LTR	ERVL	5.047E-11	2.749
MAZ	Human	<i>LTR55</i>	LTR	ERV	9.145E-10	3.030
MAZ	Human	<i>MamGypLTR3</i>	LTR	Gypsy	1.227E-10	2.868

MAZ	Human	<i>MamRep1161</i>	DNA	TcMar	9.312E-10	2.502
MAZ	Human	<i>MER48</i>	LTR	ERV1	7.367E-12	3.908
MAZ	Human	<i>MER61A</i>	LTR	ERV1	6.177E-05	1.974
MAZ	Human	<i>MER61E</i>	LTR	ERV1	1.126E-09	3.152
MAZ	Human	<i>MER72</i>	LTR	ERV1	1.986E-07	2.159
MAZ	Human	<i>MER91B</i>	DNA	hAT-Tip100	5.609E-14	3.298
MAZ	Human	<i>MER91C</i>	DNA	hAT-Tip100	2.839E-09	3.046
MXI1	Human	<i>LTR9B</i>	LTR	ERV1	5.266E-07	2.690
MXI1	Human	<i>MER41B</i>	LTR	ERV1	7.803E-24	2.807
MXI1	Human	<i>MER66B</i>	LTR	ERV1	1.754E-16	3.224
MXI1	Human	<i>MER66C</i>	LTR	ERV1	2.175E-13	3.912
MYC	Human	<i>HUERS-P3b-int</i>	LTR	ERV1	8.977E-06	2.058
MYC	Human	<i>LTR19B</i>	LTR	ERV1	3.334E-11	3.746
MYC	Human	<i>LTR41</i>	LTR	ERVL	5.951E-04	1.595
MYC	Human	<i>LTR50</i>	LTR	ERVL	7.838E-05	1.552
MYC	Human	<i>LTR53</i>	LTR	ERVL	1.464E-08	2.862
MYC	Human	<i>LTR9</i>	LTR	ERV1	7.090E-43	3.239
MYC	Human	<i>LTR9B</i>	LTR	ERV1	1.207E-19	3.485
MYC	Human	<i>MER41B</i>	LTR	ERV1	1.542E-09	1.864
MYC	Human	<i>MER44B</i>	DNA	TcMar-Tigger	1.403E-09	2.197
MYC	Human	<i>MER44C</i>	DNA	TcMar-Tigger	1.334E-04	1.852
MYC	Human	<i>MER48</i>	LTR	ERV1	3.446E-14	4.535
MYC	Human	<i>MER61E</i>	LTR	ERV1	1.755E-14	3.972
MYC	Human	<i>MER72</i>	LTR	ERV1	1.488E-08	2.616
MYC	Human	<i>MER91B</i>	DNA	hAT-Tip100	1.260E-07	3.063
MYC	Human	<i>MER91C</i>	DNA	hAT-Tip100	2.073E-08	3.325
PAX5	Human	<i>AmnSINE1</i>	SINE	Deu	9.766E-11	3.273
PAX5	Human	<i>LTR13</i>	LTR	ERVK	4.006E-85	4.495
PAX5	Human	<i>LTR13_</i>	LTR	ERVK	1.055E-24	5.537
PAX5	Human	<i>LTR13A</i>	LTR	ERVK	3.233E-13	3.538
PAX5	Human	<i>LTR2B</i>	LTR	ERV1	1.529E-57	5.086
PAX5	Human	<i>LTR41B</i>	LTR	ERVL	1.198E-04	1.977
PAX5	Human	<i>LTR43</i>	LTR	ERV1	1.465E-22	4.076
PAX5	Human	<i>MER54A</i>	LTR	ERVL	5.544E-05	1.993
PAX5	Human	<i>MER74A</i>	LTR	ERVL	5.853E-06	1.740
PAX5	Human	<i>THE1A</i>	LTR	ERVL-MaLR	5.502E-10	1.623
POL2	Human	<i>LTR13</i>	LTR	ERVK	8.764E-08	2.096
POL2	Human	<i>LTR13A</i>	LTR	ERVK	5.475E-14	3.419
POL2	Human	<i>LTR18B</i>	LTR	ERVL	1.008E-07	2.759
POL2	Human	<i>LTR19B</i>	LTR	ERV1	2.795E-12	3.477
POL2	Human	<i>LTR19C</i>	LTR	ERV1	1.252E-14	3.990
POL2	Human	<i>LTR2</i>	LTR	ERV1	3.151E-09	2.322
POL2	Human	<i>LTR21A</i>	LTR	ERV1	4.727E-17	4.954
POL2	Human	<i>LTR53</i>	LTR	ERVL	5.035E-14	3.010

POL2	Human	<i>LTR55</i>	LTR	ERV	2.001E-06	2.642
POL2	Human	<i>LTR5B</i>	LTR	ERVK	2.152E-04	1.681
POL2	Human	<i>LTR62</i>	LTR	ERVL	9.434E-14	3.502
POL2	Human	<i>LTR76</i>	LTR	ERV1	8.114E-13	3.762
POL2	Human	<i>LTR9</i>	LTR	ERV1	8.584E-22	2.344
POL2	Human	<i>LTR9B</i>	LTR	ERV1	8.308E-04	1.622
POL2	Human	<i>MER41B</i>	LTR	ERV1	1.551E-14	1.927
POL2	Human	<i>MER48</i>	LTR	ERV1	6.208E-16	4.267
POL2	Human	<i>MER51A</i>	LTR	ERV1	1.058E-07	2.078
POL2	Human	<i>MER54A</i>	LTR	ERVL	1.168E-06	2.129
POL2	Human	<i>MER54B</i>	LTR	ERVL	8.004E-06	2.425
POL2	Human	<i>MER61A</i>	LTR	ERV1	3.763E-07	2.355
POL2	Human	<i>MER61E</i>	LTR	ERV1	6.132E-20	3.927
POL2	Human	<i>MER66B</i>	LTR	ERV1	6.383E-05	1.638
POL2	Human	<i>MER72</i>	LTR	ERV1	1.488E-03	1.507
RAD21	Human	<i>AmnSINE1</i>	SINE	Deu	1.723E-24	3.631
RAD21	Human	<i>HERVE-int</i>	LTR	ERV1	2.825E-11	1.986
RAD21	Human	<i>HERVH48-int</i>	LTR	ERV1	6.243E-07	2.197
RAD21	Human	<i>HERVK-int</i>	LTR	ERVK	1.509E-15	2.297
RAD21	Human	<i>HERVL18-int</i>	LTR	ERVL	4.017E-05	1.523
RAD21	Human	<i>HUERS-P2-int</i>	LTR	ERV1	5.449E-18	3.026
RAD21	Human	<i>HUERS-P3-int</i>	LTR	ERV1	9.473E-34	2.784
RAD21	Human	<i>HUERS-P3b-int</i>	LTR	ERV1	1.260E-14	2.355
RAD21	Human	<i>L1M3f</i>	LINE	L1	1.547E-21	2.435
RAD21	Human	<i>L1PA15-16</i>	LINE	L1	3.701E-24	1.873
RAD21	Human	<i>LTR1</i>	LTR	ERV1	3.986E-16	1.923
RAD21	Human	<i>LTR13</i>	LTR	ERVK	5.842E-206	4.871
RAD21	Human	<i>LTR13_</i>	LTR	ERVK	1.628E-25	5.024
RAD21	Human	<i>LTR28</i>	LTR	ERV1	4.373E-06	1.829
RAD21	Human	<i>LTR33A_</i>	LTR	ERVL	1.892E-05	1.511
RAD21	Human	<i>LTR41</i>	LTR	ERVL	2.891E-179	4.501
RAD21	Human	<i>LTR41B</i>	LTR	ERVL	3.279E-125	4.689
RAD21	Human	<i>LTR50</i>	LTR	ERVL	7.740E-109	3.659
RAD21	Human	<i>LTR55</i>	LTR	ERV	1.966E-52	4.454
RAD21	Human	<i>MamGypLTR3</i>	LTR	Gypsy	1.201E-76	4.549
RAD21	Human	<i>MamRep1161</i>	DNA	TcMar	3.075E-30	3.306
RAD21	Human	<i>MER102a</i>	DNA	hAT-Charlie	1.032E-06	1.616
RAD21	Human	<i>MER102b</i>	DNA	hAT-Charlie	1.269E-09	1.625
RAD21	Human	<i>MER119</i>	DNA	hAT-Charlie	5.712E-12	2.402
RAD21	Human	<i>MER135</i>	DNA	DNA	1.401E-08	3.169
RAD21	Human	<i>MER20</i>	DNA	hAT-Charlie	0.000E+00	3.387
RAD21	Human	<i>MER20B</i>	DNA	hAT-Charlie	3.910E-30	2.320
RAD21	Human	<i>MER34B</i>	LTR	ERV1	7.133E-04	1.649
RAD21	Human	<i>MER66C</i>	LTR	ERV1	3.718E-23	3.561

RAD21	Human	<i>MER74A</i>	LTR	ERVL	5.049E-08	1.663
RAD21	Human	<i>MER90</i>	LTR	ERV1	8.157E-05	1.830
RAD21	Human	<i>MER91A</i>	DNA	hAT-Tip100	1.172E-08	1.882
RAD21	Human	<i>MER91B</i>	DNA	hAT-Tip100	7.261E-127	5.265
RAD21	Human	<i>MER91C</i>	DNA	hAT-Tip100	1.911E-86	5.051
RAD21	Human	<i>Tigger16a</i>	DNA	TcMar-Tigger	2.739E-13	3.400
RCOR1	Human	<i>AmnSINE1</i>	SINE	Deu	3.467E-06	2.557
RCOR1	Human	<i>LTR13A</i>	LTR	ERVK	2.900E-07	2.766
RCOR1	Human	<i>LTR19A</i>	LTR	ERV1	1.241E-14	3.418
RCOR1	Human	<i>LTR19B</i>	LTR	ERV1	4.960E-31	4.442
RCOR1	Human	<i>LTR19C</i>	LTR	ERV1	1.995E-25	4.585
RCOR1	Human	<i>LTR2</i>	LTR	ERV1	5.342E-22	3.110
RCOR1	Human	<i>LTR21A</i>	LTR	ERV1	1.460E-12	4.617
RCOR1	Human	<i>LTR41</i>	LTR	ERVL	6.673E-07	1.845
RCOR1	Human	<i>LTR41B</i>	LTR	ERVL	2.532E-14	2.893
RCOR1	Human	<i>LTR44</i>	LTR	ERV1	4.658E-11	3.910
RCOR1	Human	<i>LTR45C</i>	LTR	ERV1	1.086E-07	2.902
RCOR1	Human	<i>LTR47A</i>	LTR	ERVL	8.189E-11	2.803
RCOR1	Human	<i>LTR50</i>	LTR	ERVL	2.261E-06	1.551
RCOR1	Human	<i>LTR52</i>	LTR	ERVL	1.435E-04	1.837
RCOR1	Human	<i>LTR53</i>	LTR	ERVL	3.649E-23	3.497
RCOR1	Human	<i>LTR54</i>	LTR	ERV1	2.118E-06	2.147
RCOR1	Human	<i>LTR55</i>	LTR	ERV	5.086E-12	3.280
RCOR1	Human	<i>LTR5B</i>	LTR	ERVK	5.754E-05	1.798
RCOR1	Human	<i>LTR62</i>	LTR	ERVL	5.015E-16	3.664
RCOR1	Human	<i>LTR64</i>	LTR	ERV1	1.011E-07	3.089
RCOR1	Human	<i>LTR65</i>	LTR	ERV1	3.807E-07	2.894
RCOR1	Human	<i>LTR73</i>	LTR	ERV1	4.696E-11	3.695
RCOR1	Human	<i>LTR76</i>	LTR	ERV1	1.742E-09	3.450
RCOR1	Human	<i>LTR8</i>	LTR	ERV1	5.888E-17	1.796
RCOR1	Human	<i>LTR8A</i>	LTR	ERV1	8.076E-11	1.583
RCOR1	Human	<i>MamGypLTR3</i>	LTR	Gypsy	1.532E-07	2.575
RCOR1	Human	<i>MER34</i>	LTR	ERV1	8.811E-04	1.523
RCOR1	Human	<i>MER34A</i>	LTR	ERV1	4.124E-09	2.231
RCOR1	Human	<i>MER41B</i>	LTR	ERV1	2.390E-12	1.811
RCOR1	Human	<i>MER41E</i>	LTR	ERV1	1.445E-09	3.125
RCOR1	Human	<i>MER44B</i>	DNA	TcMar-Tigger	3.894E-13	2.183
RCOR1	Human	<i>MER44C</i>	DNA	TcMar-Tigger	7.231E-07	1.957
RCOR1	Human	<i>MER44D</i>	DNA	TcMar-Tigger	8.357E-07	2.364
RCOR1	Human	<i>MER49</i>	LTR	ERV1	1.585E-12	2.278
RCOR1	Human	<i>MER4C</i>	LTR	ERV1	1.860E-08	2.169
RCOR1	Human	<i>MER54A</i>	LTR	ERVL	4.476E-08	2.309
RCOR1	Human	<i>MER54B</i>	LTR	ERVL	3.595E-09	2.883
RCOR1	Human	<i>MER61E</i>	LTR	ERV1	3.095E-21	3.999

RCOR1	Human	<i>MER61F</i>	LTR	ERV1	1.840E-13	4.106
RCOR1	Human	<i>MER72</i>	LTR	ERV1	2.705E-19	3.058
RCOR1	Human	<i>MER74B</i>	LTR	ERV1	2.134E-05	1.937
RCOR1	Human	<i>MER77</i>	LTR	ERV1	2.108E-06	1.788
RCOR1	Human	<i>MER77B</i>	LTR	ERV1	9.381E-06	1.688
RCOR1	Human	<i>MER83</i>	LTR	ERV1	7.373E-12	3.246
RCOR1	Human	<i>MER91B</i>	DNA	hAT-Tip100	7.630E-07	2.631
RCOR1	Human	<i>MIR</i>	SINE	MIR	2.175E-214	1.659
RCOR1	Human	<i>MIR3</i>	SINE	MIR	6.477E-79	1.644
RCOR1	Human	<i>MIRb</i>	SINE	MIR	2.001E-252	1.633
RCOR1	Human	<i>MIRc</i>	SINE	MIR	1.370E-159	1.928
RCOR1	Human	<i>MLT1M</i>	LTR	ERV1-MaLR	2.711E-06	1.821
RCOR1	Human	<i>Tigger7</i>	DNA	TcMar-Tigger	8.715E-15	2.185
SIN3A	Human	<i>LTR9B</i>	LTR	ERV1	1.214E-07	2.896
SMC3	Human	<i>AmnSINE1</i>	SINE	Deu	6.178E-10	3.074
SMC3	Human	<i>HERVK-int</i>	LTR	ERV1	8.325E-16	2.593
SMC3	Human	<i>HUERS-P2-int</i>	LTR	ERV1	3.207E-12	2.978
SMC3	Human	<i>HUERS-P3-int</i>	LTR	ERV1	1.992E-24	2.810
SMC3	Human	<i>HUERS-P3b-int</i>	LTR	ERV1	3.347E-11	2.407
SMC3	Human	<i>L1M3f</i>	LINE	L1	2.432E-12	2.253
SMC3	Human	<i>L1PA15-16</i>	LINE	L1	3.926E-19	1.951
SMC3	Human	<i>LTR13</i>	LTR	ERV1	3.376E-125	4.749
SMC3	Human	<i>LTR13_</i>	LTR	ERV1	5.696E-22	5.256
SMC3	Human	<i>LTR41</i>	LTR	ERV1	3.399E-134	4.588
SMC3	Human	<i>LTR41B</i>	LTR	ERV1	6.771E-91	4.745
SMC3	Human	<i>LTR50</i>	LTR	ERV1	3.307E-81	3.732
SMC3	Human	<i>LTR55</i>	LTR	ERV	1.580E-48	4.755
SMC3	Human	<i>MamGypLTR3</i>	LTR	Gypsy	5.314E-61	4.696
SMC3	Human	<i>MamRep1161</i>	DNA	TcMar	2.764E-31	3.677
SMC3	Human	<i>MER119</i>	DNA	hAT-Charlie	1.486E-10	2.576
SMC3	Human	<i>MER20</i>	DNA	hAT-Charlie	9.994E-158	3.072
SMC3	Human	<i>MER20B</i>	DNA	hAT-Charlie	1.172E-21	2.334
SMC3	Human	<i>MER66C</i>	LTR	ERV1	1.657E-20	3.787
SMC3	Human	<i>MER90</i>	LTR	ERV1	1.035E-05	2.252
SMC3	Human	<i>MER91A</i>	DNA	hAT-Tip100	1.542E-05	1.752
SMC3	Human	<i>MER91B</i>	DNA	hAT-Tip100	2.788E-107	5.491
SMC3	Human	<i>MER91C</i>	DNA	hAT-Tip100	9.674E-55	4.963
SMC3	Human	<i>Tigger16a</i>	DNA	TcMar-Tigger	8.994E-15	3.855
TAL1	Human	<i>Charlie3</i>	DNA	hAT-Charlie	1.931E-07	2.550
TAL1	Human	<i>HERV1_LTRc</i>	LTR	ERV1	4.213E-19	6.510
TAL1	Human	<i>LTR10A</i>	LTR	ERV1	5.321E-21	4.230
TAL1	Human	<i>LTR14C</i>	LTR	ERV1	3.339E-11	4.218
TAL1	Human	<i>LTR15</i>	LTR	ERV1	2.355E-94	6.207
TAL1	Human	<i>LTR18B</i>	LTR	ERV1	1.244E-12	3.564

TAL1	Human	<i>LTR19A</i>	LTR	ERV1	9.404E-13	3.591
TAL1	Human	<i>LTR19B</i>	LTR	ERV1	5.734E-67	5.627
TAL1	Human	<i>LTR19C</i>	LTR	ERV1	4.903E-37	5.354
TAL1	Human	<i>LTR2</i>	LTR	ERV1	4.110E-104	4.974
TAL1	Human	<i>LTR21A</i>	LTR	ERV1	9.202E-38	6.238
TAL1	Human	<i>LTR25</i>	LTR	ERV1	2.470E-14	3.938
TAL1	Human	<i>LTR2C</i>	LTR	ERV1	7.157E-21	4.678
TAL1	Human	<i>LTR3</i>	LTR	ERVK	8.267E-25	5.810
TAL1	Human	<i>LTR32</i>	LTR	ERVL	3.994E-17	3.145
TAL1	Human	<i>LTR34</i>	LTR	ERV1	2.374E-10	3.512
TAL1	Human	<i>LTR36</i>	LTR	ERV1	7.672E-08	2.954
TAL1	Human	<i>LTR37A</i>	LTR	ERV1	3.177E-04	1.705
TAL1	Human	<i>LTR4</i>	LTR	ERV1	2.022E-24	5.503
TAL1	Human	<i>LTR45C</i>	LTR	ERV1	1.365E-12	3.719
TAL1	Human	<i>LTR46</i>	LTR	ERV1	7.521E-19	4.681
TAL1	Human	<i>LTR47A</i>	LTR	ERVL	4.780E-06	2.510
TAL1	Human	<i>LTR5_Hs</i>	LTR	ERVK	2.608E-19	2.888
TAL1	Human	<i>LTR52</i>	LTR	ERVL	1.152E-17	3.392
TAL1	Human	<i>LTR53</i>	LTR	ERVL	1.516E-54	4.693
TAL1	Human	<i>LTR54</i>	LTR	ERV1	2.045E-07	2.543
TAL1	Human	<i>LTR55</i>	LTR	ERV	3.583E-34	4.688
TAL1	Human	<i>LTR56</i>	LTR	ERV1	1.337E-08	2.742
TAL1	Human	<i>LTR5B</i>	LTR	ERVK	2.899E-26	3.615
TAL1	Human	<i>LTR62</i>	LTR	ERVL	6.796E-58	5.362
TAL1	Human	<i>LTR6A</i>	LTR	ERV1	9.287E-13	3.758
TAL1	Human	<i>LTR71B</i>	LTR	ERV1	1.124E-25	4.784
TAL1	Human	<i>LTR73</i>	LTR	ERV1	1.068E-22	4.812
TAL1	Human	<i>LTR76</i>	LTR	ERV1	7.663E-53	5.646
TAL1	Human	<i>LTR7C</i>	LTR	ERV1	1.632E-36	4.930
TAL1	Human	<i>LTR9</i>	LTR	ERV1	9.442E-20	2.528
TAL1	Human	<i>MER34</i>	LTR	ERV1	9.182E-13	2.893
TAL1	Human	<i>MER34A</i>	LTR	ERV1	2.589E-15	2.968
TAL1	Human	<i>MER39</i>	LTR	ERV1	7.037E-08	1.678
TAL1	Human	<i>MER41E</i>	LTR	ERV1	9.303E-14	3.813
TAL1	Human	<i>MER48</i>	LTR	ERV1	5.892E-14	4.473
TAL1	Human	<i>MER49</i>	LTR	ERV1	2.328E-16	2.773
TAL1	Human	<i>MER4A</i>	LTR	ERV1	4.203E-11	2.601
TAL1	Human	<i>MER4A1</i>	LTR	ERV1	5.612E-18	2.556
TAL1	Human	<i>MER4A1_</i>	LTR	ERV1	1.218E-10	3.253
TAL1	Human	<i>MER4B</i>	LTR	ERV1	2.633E-11	2.256
TAL1	Human	<i>MER4C</i>	LTR	ERV1	3.414E-07	2.272
TAL1	Human	<i>MER4D1</i>	LTR	ERV1	2.745E-12	2.347
TAL1	Human	<i>MER4E</i>	LTR	ERV1	5.144E-08	2.482
TAL1	Human	<i>MER51E</i>	LTR	ERV1	2.139E-12	4.304

TAL1	Human	<i>MER54A</i>	LTR	ERVL	2.912E-31	3.883
TAL1	Human	<i>MER54B</i>	LTR	ERVL	8.296E-23	4.115
TAL1	Human	<i>MER58A</i>	DNA	hAT-Charlie	8.710E-18	1.774
TAL1	Human	<i>MER61C</i>	LTR	ERV1	1.156E-12	3.922
TAL1	Human	<i>MER61D</i>	LTR	ERV1	3.537E-12	4.006
TAL1	Human	<i>MER61E</i>	LTR	ERV1	3.593E-108	6.099
TAL1	Human	<i>MER61F</i>	LTR	ERV1	8.243E-33	5.438
TAL1	Human	<i>MER65D</i>	LTR	ERV1	2.130E-13	3.907
TAL1	Human	<i>MER72</i>	LTR	ERV1	2.482E-16	3.198
TAL1	Human	<i>MER74A</i>	LTR	ERVL	3.698E-08	2.111
TAL1	Human	<i>MER74B</i>	LTR	ERVL	8.019E-17	3.270
TAL1	Human	<i>MER77</i>	LTR	ERVL	1.177E-06	2.049
TAL1	Human	<i>MER77B</i>	LTR	ERVL	3.436E-07	2.105
TAL1	Human	<i>MER83</i>	LTR	ERV1	2.079E-32	4.608
TAL1	Human	<i>MER89</i>	LTR	ERV1	4.006E-21	3.207
TAL1	Human	<i>MER90a</i>	LTR	ERV1	5.430E-04	1.705
TAL1	Human	<i>MLT1J-int</i>	LTR	ERVL-MaLR	2.935E-04	1.719
TAL1	Human	<i>MLT1M</i>	LTR	ERVL-MaLR	1.247E-04	1.769
TAL1	Human	<i>Tigger4</i>	DNA	TcMar-Tigger	3.007E-05	1.559
TAL1	Human	<i>Tigger6a</i>	DNA	TcMar-Tigger	9.324E-05	1.910
TAL1	Human	<i>Tigger7</i>	DNA	TcMar-Tigger	6.146E-06	1.680
TBP	Human	<i>LTR12C</i>	LTR	ERV1	4.071E-20	1.630
TBP	Human	<i>LTR13</i>	LTR	ERVK	3.358E-04	1.794
TBP	Human	<i>LTR13A</i>	LTR	ERVK	4.626E-10	3.433
TBP	Human	<i>LTR2B</i>	LTR	ERV1	4.369E-09	3.338
TBP	Human	<i>LTR9</i>	LTR	ERV1	9.231E-42	3.211
TBP	Human	<i>LTR9B</i>	LTR	ERV1	1.328E-06	2.424
TBP	Human	<i>MER41B</i>	LTR	ERV1	1.502E-39	3.032
TBP	Human	<i>MER48</i>	LTR	ERV1	3.661E-14	4.528
TBP	Human	<i>MER49</i>	LTR	ERV1	1.292E-04	1.682
TBP	Human	<i>MER51A</i>	LTR	ERV1	5.916E-13	2.841
TBP	Human	<i>MER57E1</i>	LTR	ERV1	1.397E-09	3.487
TBP	Human	<i>MER66B</i>	LTR	ERV1	6.940E-04	1.658
TBP	Human	<i>MER66C</i>	LTR	ERV1	1.095E-07	3.084
USF2	Human	<i>LTR13</i>	LTR	ERVK	6.770E-24	4.286
USF2	Human	<i>LTR13A</i>	LTR	ERVK	5.106E-36	5.740
USF2	Human	<i>MLT1F</i>	LTR	ERVL-MaLR	5.753E-04	1.522
USF2	Human	<i>MLT1F1</i>	LTR	ERVL-MaLR	9.873E-05	1.903
USF2	Human	<i>MLT1G1</i>	LTR	ERVL-MaLR	1.298E-03	1.538
USF2	Human	<i>MLT1H</i>	LTR	ERVL-MaLR	2.245E-30	2.768
USF2	Human	<i>MLT1H2</i>	LTR	ERVL-MaLR	5.140E-41	3.928
USF2	Human	<i>MLT1I</i>	LTR	ERVL-MaLR	2.107E-93	3.920
USF2	Human	<i>MLT1J</i>	LTR	ERVL-MaLR	1.236E-174	4.099
USF2	Human	<i>MLT1J1</i>	LTR	ERVL-MaLR	2.944E-55	4.199

USF2	Human	<i>MLT1J2</i>	LTR	ERVL-MaLR	1.653E-121	4.607
USF2	Human	<i>MLT1K</i>	LTR	ERVL-MaLR	0.000E+00	4.634
USF2	Human	<i>MLT1L</i>	LTR	ERVL-MaLR	5.656E-40	3.061
USF2	Human	<i>MLT1M</i>	LTR	ERVL-MaLR	3.471E-26	4.238
USF2	Human	<i>MLT1N2</i>	LTR	ERVL-MaLR	2.393E-27	3.469
USF2	Human	<i>MSTB1</i>	LTR	ERVL-MaLR	5.559E-13	2.448

Supplementary Table 2B: TF-TE relationships in Mouse. The listed TF-TE relationships represented TE subfamilies that enriched for TF binding peaks, as measured by a Log-Odds Ratio, LOR (see Methods). Statistical significance of the enrichment was computed using a hypergeometric test.

TF	Species	TE subfamily	TE Class	TE Family	pVal	LOR
BHLHE40	Mouse	<i>MER3</i>	DNA	MER1_type	6.577E-06	1.670
BHLHE40	Mouse	<i>MLT1F1</i>	LTR	MaLR	5.293E-08	2.013
BHLHE40	Mouse	<i>MLT1G3</i>	LTR	MaLR	1.218E-03	1.546
BHLHE40	Mouse	<i>MLT1H</i>	LTR	MaLR	1.887E-05	1.512
BHLHE40	Mouse	<i>MLT1K</i>	LTR	MaLR	8.194E-06	1.510
BHLHE40	Mouse	<i>RLTR10D</i>	LTR	ERVK	2.383E-04	1.586
BHLHE40	Mouse	<i>RLTR17</i>	LTR	ERVK	9.531E-12	1.560
BHLHE40	Mouse	<i>RLTR47_MM</i>	LTR	ERV1	3.581E-07	2.260
CHD1	Mouse	<i>MIR3</i>	SINE	MIR	2.139E-04	1.775
CHD1	Mouse	<i>RLTR1B</i>	LTR	ERV1	4.301E-07	2.579
CHD1	Mouse	<i>RLTR23</i>	LTR	ERV1	1.572E-79	4.747
CHD1	Mouse	<i>RLTR33</i>	LTR	ERVK	4.238E-31	4.115
CHD2	Mouse	<i>MLT1K</i>	LTR	MaLR	6.301E-04	1.585
CHD2	Mouse	<i>RLTR16</i>	LTR	ERVK	4.173E-11	2.279
CHD2	Mouse	<i>RLTR20D</i>	LTR	ERVK	4.143E-06	2.268
CHD2	Mouse	<i>RLTR23</i>	LTR	ERV1	5.997E-10	2.098
CHD2	Mouse	<i>RMER10A</i>	LTR	ERVL	4.953E-10	1.827
CHD2	Mouse	<i>RMER17C</i>	LTR	ERVK	5.445E-12	1.604
CHD2	Mouse	<i>URR1B</i>	DNA	MER1_type	7.529E-14	1.523
CTCF	Mouse	<i>B2_Mm1a</i>	SINE	B2	1.592E-247	2.749
CTCF	Mouse	<i>B2_Mm1t</i>	SINE	B2	0.000E+00	3.915
CTCF	Mouse	<i>B2_Mm2</i>	SINE	B2	0.000E+00	4.346
CTCF	Mouse	<i>B3</i>	SINE	B2	0.000E+00	3.779
CTCF	Mouse	<i>B3A</i>	SINE	B2	0.000E+00	3.602
CTCF	Mouse	<i>LTR41</i>	LTR	ERVL	1.410E-65	4.583
CTCF	Mouse	<i>LTR41B</i>	LTR	ERVL	1.210E-60	5.144
CTCF	Mouse	<i>LTR50</i>	LTR	ERVL	2.717E-15	3.187
CTCF	Mouse	<i>LTR55</i>	LTR	ERV	4.671E-09	3.496
CTCF	Mouse	<i>MamGypLTR3</i>	LTR	Gypsy	5.131E-24	5.264
CTCF	Mouse	<i>MER20</i>	DNA	MER1_type	7.988E-77	2.800
CTCF	Mouse	<i>MER20B</i>	DNA	MER1_type	1.300E-06	2.027
CTCF	Mouse	<i>MER91B</i>	DNA	Tip100	8.921E-56	6.082
CTCF	Mouse	<i>ORR1D2</i>	LTR	MaLR	2.648E-77	1.791
CTCF	Mouse	<i>ORR1E</i>	LTR	MaLR	1.331E-105	1.651
CTCF	Mouse	<i>RLTR18-int</i>	LTR	ERVK	7.679E-04	1.542
CTCF	Mouse	<i>RLTR30</i>	LTR	ERV1	1.899E-06	2.359
CTCF	Mouse	<i>RLTR46</i>	LTR	ERVK	3.744E-60	4.137

CTCF	Mouse	<i>RMER17A-int</i>	LTR	ERVK	3.262E-07	2.176
EP300	Mouse	<i>AmnSINE1</i>	SINE	SINE	2.252E-07	2.956
EP300	Mouse	<i>L3b</i>	LINE	CR1	2.732E-04	1.638
EP300	Mouse	<i>MER44D</i>	DNA	MER2_type	1.752E-04	1.903
EP300	Mouse	<i>MER57C2</i>	LTR	ERV1	1.547E-06	2.670
EP300	Mouse	<i>MIR3</i>	SINE	MIR	1.949E-16	1.675
EP300	Mouse	<i>MLT1G3</i>	LTR	MaLR	1.904E-05	1.721
EP300	Mouse	<i>RLTR1</i>	LTR	ERV1	4.320E-05	2.143
EP300	Mouse	<i>RLTR14</i>	LTR	ERV1	2.585E-10	1.587
EP300	Mouse	<i>RLTR23</i>	LTR	ERV1	1.228E-23	2.066
EP300	Mouse	<i>RLTR45</i>	LTR	ERVK	7.449E-49	2.827
EP300	Mouse	<i>RMER16</i>	LTR	ERVK	3.126E-12	1.745
EP300	Mouse	<i>RMER4B</i>	LTR	ERVK	6.064E-30	1.800
EP300	Mouse	<i>Tigger15a</i>	DNA	TcMar	1.017E-04	1.998
ETS1	Mouse	<i>MER5A</i>	DNA	MER1_type	2.740E-09	1.514
ETS1	Mouse	<i>MLT1F1</i>	LTR	MaLR	1.402E-11	2.344
ETS1	Mouse	<i>MLT1G3</i>	LTR	MaLR	3.090E-04	1.706
ETS1	Mouse	<i>RLTR14</i>	LTR	ERV1	3.954E-08	1.615
ETS1	Mouse	<i>RLTR23</i>	LTR	ERV1	6.145E-12	1.791
ETS1	Mouse	<i>RLTR47_MM</i>	LTR	ERV1	2.694E-05	1.996
GATA1	Mouse	<i>L3b</i>	LINE	CR1	4.206E-05	2.033
GATA1	Mouse	<i>MER34A</i>	LTR	ERV1	1.122E-05	2.368
GATA1	Mouse	<i>MIR3</i>	SINE	MIR	8.236E-12	1.662
GATA1	Mouse	<i>MIRb</i>	SINE	MIR	7.811E-44	1.544
GATA1	Mouse	<i>MLT1G3</i>	LTR	MaLR	9.085E-04	1.603
GATA1	Mouse	<i>MLT1L</i>	LTR	MaLR	3.218E-04	1.614
GATA1	Mouse	<i>RLTR1</i>	LTR	ERV1	2.566E-07	2.779
GATA1	Mouse	<i>RLTR16</i>	LTR	ERVK	7.321E-10	1.738
GATA1	Mouse	<i>RLTR18B</i>	LTR	ERVK	2.938E-14	2.003
GATA1	Mouse	<i>RLTR45</i>	LTR	ERVK	5.418E-49	3.127
GATA1	Mouse	<i>RMER16</i>	LTR	ERVK	6.142E-29	2.663
GATA1	Mouse	<i>RMER4A</i>	LTR	ERVK	1.189E-08	1.632
GATA1	Mouse	<i>RMER4B</i>	LTR	ERVK	7.960E-55	2.483
GATA1	Mouse	<i>RMER6A</i>	LTR	ERVK	3.467E-19	1.643
JUND	Mouse	<i>L1MB2</i>	LINE	L1	6.058E-06	2.338
JUND	Mouse	<i>L1MB3</i>	LINE	L1	8.480E-06	1.898
JUND	Mouse	<i>L1MB8</i>	LINE	L1	3.944E-05	1.704
JUND	Mouse	<i>L3</i>	LINE	CR1	1.203E-03	1.553
JUND	Mouse	<i>MER5A</i>	DNA	MER1_type	4.543E-05	2.028
JUND	Mouse	<i>RLTR17</i>	LTR	ERVK	5.806E-05	1.889
JUND	Mouse	<i>URR1B</i>	DNA	MER1_type	2.149E-23	2.528
MAFK	Mouse	<i>MIRb</i>	SINE	MIR	1.685E-04	1.814
MAFK	Mouse	<i>RMER19B</i>	LTR	ERVK	2.428E-07	2.655
MAX	Mouse	<i>MLT1G3</i>	LTR	MaLR	1.155E-04	1.872

MAX	Mouse	<i>MLT1I</i>	LTR	MaLR	2.827E-04	1.636
MAX	Mouse	<i>MLT1J</i>	LTR	MaLR	7.931E-06	1.556
MAX	Mouse	<i>MLT1J1</i>	LTR	MaLR	1.651E-06	2.389
MAX	Mouse	<i>MLT1K</i>	LTR	MaLR	3.391E-12	2.187
MAX	Mouse	<i>RLTR11B</i>	LTR	ERVK	9.062E-08	1.732
MAX	Mouse	<i>RLTRETN_Mm</i>	LTR	ERVK	1.055E-09	1.690
MXI1	Mouse	<i>MLT1G3</i>	LTR	MaLR	6.247E-04	1.675
MXI1	Mouse	<i>RLTR44B</i>	LTR	ERVK	1.216E-09	3.708
MXI1	Mouse	<i>RMER21A</i>	LTR	ERV1	1.594E-18	3.165
MYC	Mouse	<i>B2_Mm1t</i>	SINE	B2	1.952E-37	1.676
MYC	Mouse	<i>B2_Mm2</i>	SINE	B2	0.000E+00	2.900
MYC	Mouse	<i>B3</i>	SINE	B2	1.871E-273	1.776
MYC	Mouse	<i>LTR41</i>	LTR	ERVL	4.142E-10	3.262
MYC	Mouse	<i>MLT1G3</i>	LTR	MaLR	1.260E-04	1.858
POL2	Mouse	<i>IAPLTR4</i>	LTR	ERVK	2.595E-07	2.952
POL2	Mouse	<i>RLTR10A</i>	LTR	ERVK	1.078E-07	2.222
POL2	Mouse	<i>RLTR10C</i>	LTR	ERVK	9.098E-15	2.256
POL2	Mouse	<i>RLTR10D</i>	LTR	ERVK	7.932E-05	1.935
POL2	Mouse	<i>RLTR16</i>	LTR	ERVK	3.885E-10	1.989
POL2	Mouse	<i>RLTR17</i>	LTR	ERVK	5.282E-19	2.158
POL2	Mouse	<i>RLTR20D</i>	LTR	ERVK	1.006E-03	1.585
POL2	Mouse	<i>RLTR44B</i>	LTR	ERVK	5.147E-11	4.150
RAD21	Mouse	<i>AmnSINE1</i>	SINE	SINE	1.233E-08	3.178
RAD21	Mouse	<i>B2_Mm1t</i>	SINE	B2	6.195E-102	2.095
RAD21	Mouse	<i>B2_Mm2</i>	SINE	B2	0.000E+00	3.570
RAD21	Mouse	<i>B3</i>	SINE	B2	0.000E+00	3.698
RAD21	Mouse	<i>B3A</i>	SINE	B2	0.000E+00	3.370
RAD21	Mouse	<i>LTR41</i>	LTR	ERVL	8.768E-73	4.912
RAD21	Mouse	<i>LTR41B</i>	LTR	ERVL	1.704E-61	5.389
RAD21	Mouse	<i>LTR50</i>	LTR	ERVL	4.979E-14	3.291
RAD21	Mouse	<i>LTR55</i>	LTR	ERV	5.376E-10	3.802
RAD21	Mouse	<i>MamGypLTR3</i>	LTR	Gypsy	8.339E-24	5.487
RAD21	Mouse	<i>MER119</i>	DNA	MER1_type	1.684E-06	2.658
RAD21	Mouse	<i>MER20</i>	DNA	MER1_type	2.539E-90	3.115
RAD21	Mouse	<i>MER20B</i>	DNA	MER1_type	7.687E-08	2.332
RAD21	Mouse	<i>MER91B</i>	DNA	Tip100	9.724E-64	6.466
RAD21	Mouse	<i>RLTR18-int</i>	LTR	ERVK	3.290E-05	1.963
RAD21	Mouse	<i>RLTR30</i>	LTR	ERV1	7.650E-06	2.424
RAD21	Mouse	<i>RLTR46</i>	LTR	ERVK	2.940E-43	4.021
RCOR1	Mouse	<i>L2c</i>	LINE	L2	2.065E-06	1.644
RCOR1	Mouse	<i>L3</i>	LINE	CR1	7.265E-08	1.938
RCOR1	Mouse	<i>MIR3</i>	SINE	MIR	1.349E-04	1.604
RCOR1	Mouse	<i>MIRb</i>	SINE	MIR	2.898E-15	1.534
RCOR1	Mouse	<i>RLTR16</i>	LTR	ERVK	7.370E-04	1.648

RCOR1	Mouse	<i>RLTR18B</i>	LTR	ERVK	9.005E-07	2.164
RCOR1	Mouse	<i>RMER16</i>	LTR	ERVK	7.975E-05	1.937
RCOR1	Mouse	<i>RMER4A</i>	LTR	ERVK	2.465E-04	1.750
RCOR1	Mouse	<i>RMER4B</i>	LTR	ERVK	1.021E-13	2.218
RDBP	Mouse	<i>RLTR16</i>	LTR	ERVK	2.571E-04	1.743
SIN3A	Mouse	<i>IAPLTR3-int</i>	LTR	ERVK	8.403E-05	1.603
SIN3A	Mouse	<i>RMER21A</i>	LTR	ERV1	1.874E-21	3.720
SMC3	Mouse	<i>B2_Mm1t</i>	SINE	B2	1.496E-50	1.841
SMC3	Mouse	<i>B2_Mm2</i>	SINE	B2	0.000E+00	3.338
SMC3	Mouse	<i>B3</i>	SINE	B2	0.000E+00	3.547
SMC3	Mouse	<i>B3A</i>	SINE	B2	0.000E+00	3.191
SMC3	Mouse	<i>LTR41</i>	LTR	ERVL	1.279E-66	5.172
SMC3	Mouse	<i>LTR41B</i>	LTR	ERVL	1.334E-60	5.740
SMC3	Mouse	<i>LTR50</i>	LTR	ERVL	3.530E-12	3.448
SMC3	Mouse	<i>MamGypLTR3</i>	LTR	Gypsy	2.813E-24	5.879
SMC3	Mouse	<i>MER20</i>	DNA	MER1_type	5.833E-69	3.167
SMC3	Mouse	<i>MER20B</i>	DNA	MER1_type	6.824E-10	2.812
SMC3	Mouse	<i>MER91B</i>	DNA	Tip100	2.260E-52	6.652
SMC3	Mouse	<i>RLTR18-int</i>	LTR	ERVK	6.106E-06	2.327
SMC3	Mouse	<i>RLTR30</i>	LTR	ERV1	4.101E-08	3.029
SMC3	Mouse	<i>RLTR46</i>	LTR	ERVK	2.407E-25	3.810
TAL1	Mouse	<i>ERVL-B4-int</i>	LTR	ERVL	1.982E-04	1.890
TAL1	Mouse	<i>IAPez-int</i>	LTR	ERVK	3.146E-165	2.456
TAL1	Mouse	<i>L2b</i>	LINE	L2	1.291E-08	1.661
TAL1	Mouse	<i>MIR3</i>	SINE	MIR	1.605E-08	1.957
TAL1	Mouse	<i>MMVL30-int</i>	LTR	ERV1	6.582E-33	3.484
TAL1	Mouse	<i>RLTR1</i>	LTR	ERV1	7.278E-30	5.073
TAL1	Mouse	<i>RLTR18B</i>	LTR	ERVK	1.524E-10	2.365
TAL1	Mouse	<i>RLTR1D</i>	LTR	ERV1	6.039E-35	4.480
TAL1	Mouse	<i>RLTR4_Mm</i>	LTR	ERV1	1.674E-87	6.357
TAL1	Mouse	<i>RLTR45</i>	LTR	ERVK	7.488E-36	3.603
TAL1	Mouse	<i>RMER4B</i>	LTR	ERVK	5.919E-07	1.522
TBP	Mouse	<i>B2_Mm1a</i>	SINE	B2	1.978E-46	1.980
TBP	Mouse	<i>B2_Mm1t</i>	SINE	B2	4.321E-43	1.801
TBP	Mouse	<i>IAPLTR4</i>	LTR	ERVK	4.296E-09	2.997
TBP	Mouse	<i>RLTR10A</i>	LTR	ERVK	2.686E-05	1.749
TBP	Mouse	<i>RLTR10B2</i>	LTR	ERVK	1.173E-21	3.192
TBP	Mouse	<i>RLTR10C</i>	LTR	ERVK	1.326E-189	4.370
TBP	Mouse	<i>RLTR10D</i>	LTR	ERVK	5.252E-07	2.134
TBP	Mouse	<i>RLTR17</i>	LTR	ERVK	2.747E-15	1.855
TBP	Mouse	<i>RLTR24</i>	LTR	ERV1	1.756E-04	1.501
TBP	Mouse	<i>RLTR47_MM</i>	LTR	ERV1	5.301E-06	2.229
USF2	Mouse	<i>L1MB5</i>	LINE	L1	3.433E-05	1.968
USF2	Mouse	<i>MIR3</i>	SINE	MIR	3.742E-05	1.955

USF2	Mouse	<i>MLT1I</i>	LTR	MaLR	6.938E-17	4.139
USF2	Mouse	<i>MLT1J</i>	LTR	MaLR	7.681E-52	4.745
USF2	Mouse	<i>MLT1J1</i>	LTR	MaLR	1.919E-25	5.115
USF2	Mouse	<i>MLT1J2</i>	LTR	MaLR	8.658E-15	4.466
USF2	Mouse	<i>MLT1K</i>	LTR	MaLR	2.407E-68	5.104
USF2	Mouse	<i>MLT1L</i>	LTR	MaLR	1.629E-17	4.261
USF2	Mouse	<i>MTE2b</i>	LTR	MaLR	3.411E-13	1.930
USF2	Mouse	<i>RLTR17</i>	LTR	ERVK	8.843E-06	1.973
USF2	Mouse	<i>RLTR47_MM</i>	LTR	ERV1	2.601E-10	3.954
USF2	Mouse	<i>RLTRETN_Mm</i>	LTR	ERVK	3.999E-08	2.514
USF2	Mouse	<i>RMER13A</i>	LTR	ERVK	1.662E-04	1.646
USF2	Mouse	<i>RMER17C-int</i>	LTR	ERVK	2.487E-11	2.918
USF2	Mouse	<i>RMER19B</i>	LTR	ERVK	4.201E-16	2.131
USF2	Mouse	<i>RMER19C</i>	LTR	ERVK	2.496E-20	2.623

Supplementary Table 3A: TF-TE relationships in human that were enriched (log-odds ratio) for sequencing reads (see Methods) but were not enriched for binding peaks.

TF	Species	TE subfamily	TE Class	TE Family	Log-Odds Ratio
BHLHE40	Human	<i>AluYc5</i>	SINE	Alu	1.673
BHLHE40	Human	<i>HERV1_LTRe</i>	LTR	ERV1	2.267
BHLHE40	Human	<i>LTR21A</i>	LTR	ERV1	2.067
BHLHE40	Human	<i>LTR2B</i>	LTR	ERV1	1.751
BHLHE40	Human	<i>LTR4</i>	LTR	ERV1	1.527
BHLHE40	Human	<i>MER123</i>	DNA	DNA	2.637
BHLHE40	Human	<i>MER133B</i>	DNA?	DNA?	1.633
BHLHE40	Human	<i>UCON23</i>	DNA?	DNA?	1.663
CHD1	Human	<i>AluYc5</i>	SINE	Alu	2.855
CHD1	Human	<i>MER123</i>	DNA	DNA	2.589
CHD1	Human	<i>MER132</i>	DNA	TcMar	1.557
CHD1	Human	<i>MER133B</i>	DNA?	DNA?	1.754
CHD1	Human	<i>UCON23</i>	DNA?	DNA?	2.528
CHD2	Human	<i>AluYc5</i>	SINE	Alu	2.098
CHD2	Human	<i>LTR21B</i>	LTR	ERV1	1.790
CHD2	Human	<i>MER123</i>	DNA	DNA	2.522
CTCF	Human	<i>HERV1_I-int</i>	LTR	ERV1	1.526
CTCF	Human	<i>LTR12E</i>	LTR	ERV1	2.453
CTCF	Human	<i>LTR43-int</i>	LTR	ERV1	2.605
CTCF	Human	<i>MER75A</i>	DNA	PiggyBac	2.110
E2F4	Human	<i>AluYa5</i>	SINE	Alu	2.241
E2F4	Human	<i>AluYa8</i>	SINE	Alu	1.614
E2F4	Human	<i>AluYb8</i>	SINE	Alu	2.080
E2F4	Human	<i>AluYb9</i>	SINE	Alu	1.918
E2F4	Human	<i>AluYc5</i>	SINE	Alu	2.017
E2F4	Human	<i>AluYd8</i>	SINE	Alu	1.813
E2F4	Human	<i>AluYf4</i>	SINE	Alu	1.548
E2F4	Human	<i>AluYg6</i>	SINE	Alu	1.622
E2F4	Human	<i>Eulor10</i>	DNA?	DNA?	1.585
E2F4	Human	<i>MER123</i>	DNA	DNA	2.697
E2F4	Human	<i>MER132</i>	DNA	TcMar	1.674
E2F4	Human	<i>MER133B</i>	DNA?	DNA?	1.809
E2F4	Human	<i>UCON23</i>	DNA?	DNA?	2.488
EP300	Human	<i>AluYc5</i>	SINE	Alu	2.035
EP300	Human	<i>HERV1_LTRe</i>	LTR	ERV1	2.131
EP300	Human	<i>LTR21B</i>	LTR	ERV1	1.856
EP300	Human	<i>MER123</i>	DNA	DNA	2.011
EP300	Human	<i>UCON23</i>	DNA?	DNA?	1.711
ETS1	Human	<i>AluYc5</i>	SINE	Alu	3.080
ETS1	Human	<i>LTR21B</i>	LTR	ERV1	1.619

ETS1	Human	<i>MER123</i>	DNA	DNA	1.772
ETS1	Human	<i>MER132</i>	DNA	TcMar	1.639
ETS1	Human	<i>MER133B</i>	DNA?	DNA?	1.690
ETS1	Human	<i>UCON23</i>	DNA?	DNA?	2.121
GATA1	Human	<i>AluYa5</i>	SINE	Alu	1.935
GATA1	Human	<i>AluYb8</i>	SINE	Alu	1.917
GATA1	Human	<i>AluYb9</i>	SINE	Alu	1.709
JUND	Human	<i>HERV1_LTRc</i>	LTR	ERV1	1.688
JUND	Human	<i>HERV1_LTRe</i>	LTR	ERV1	1.706
JUND	Human	<i>LTR13_</i>	LTR	ERVK	2.077
JUND	Human	<i>LTR25</i>	LTR	ERV1	1.960
JUND	Human	<i>MLT1E1A-int</i>	LTR	ERVL-MaLR	2.376
KAT2A	Human	<i>AluYc5</i>	SINE	Alu	2.075
KAT2A	Human	<i>Eulor10</i>	DNA?	DNA?	1.733
KAT2A	Human	<i>MER123</i>	DNA	DNA	2.702
KAT2A	Human	<i>MER132</i>	DNA	TcMar	1.597
KAT2A	Human	<i>UCON23</i>	DNA?	DNA?	2.513
MAFK	Human	<i>AluYc5</i>	SINE	Alu	1.570
MAFK	Human	<i>MER34D</i>	LTR	ERV1	1.779
MAX	Human	<i>Eulor10</i>	DNA?	DNA?	1.522
MAX	Human	<i>Eulor6E</i>	DNA?	DNA?	1.519
MAX	Human	<i>HERV1_LTRe</i>	LTR	ERV1	1.837
MAX	Human	<i>LTR12E</i>	LTR	ERV1	2.167
MAX	Human	<i>LTR13_</i>	LTR	ERVK	1.818
MAX	Human	<i>LTR14</i>	LTR	ERVK	1.595
MAX	Human	<i>MER123</i>	DNA	DNA	2.543
MAX	Human	<i>MER133B</i>	DNA?	DNA?	1.611
MAX	Human	<i>MLT1E1A-int</i>	LTR	ERVL-MaLR	1.882
MAX	Human	<i>UCON23</i>	DNA?	DNA?	2.691
MAZ	Human	<i>AluYc5</i>	SINE	Alu	1.919
MAZ	Human	<i>LTR12E</i>	LTR	ERV1	1.757
MAZ	Human	<i>MER123</i>	DNA	DNA	2.824
MAZ	Human	<i>MER133B</i>	DNA?	DNA?	1.648
MAZ	Human	<i>UCON23</i>	DNA?	DNA?	2.484
MXI1	Human	<i>AluYc5</i>	SINE	Alu	2.697
MXI1	Human	<i>MER123</i>	DNA	DNA	2.617
MXI1	Human	<i>MER133B</i>	DNA?	DNA?	1.520
MXI1	Human	<i>UCON23</i>	DNA?	DNA?	2.591
MYC	Human	<i>MLT1E1A-int</i>	LTR	ERVL-MaLR	1.664
PAX5	Human	<i>AluYc5</i>	SINE	Alu	1.597
PAX5	Human	<i>LTR21B</i>	LTR	ERV1	1.794
POL2	Human	<i>LTR12E</i>	LTR	ERV1	2.950
POL2	Human	<i>LTR21B</i>	LTR	ERV1	1.886
POL2	Human	<i>LTR25</i>	LTR	ERV1	1.596
POL2	Human	<i>LTR4</i>	LTR	ERV1	3.032

POL2	Human	<i>LTR75</i>	LTR	ERVL	1.636
POL2	Human	<i>LTR7C</i>	LTR	ERV1	1.543
POL2	Human	<i>MER51D</i>	LTR	ERV1	1.654
RAD21	Human	<i>HERVKC4-int</i>	LTR	ERVK	1.769
RAD21	Human	<i>LTR43-int</i>	LTR	ERV1	2.550
RAD21	Human	<i>MER123</i>	DNA	DNA	1.881
RAD21	Human	<i>MER75A</i>	DNA	PiggyBac	2.017
RAD21	Human	<i>UCON23</i>	DNA?	DNA?	2.068
RCOR1	Human	<i>AluYc5</i>	SINE	Alu	1.917
RCOR1	Human	<i>Eulor6E</i>	DNA?	DNA?	1.539
RCOR1	Human	<i>HERV1_LTRe</i>	LTR	ERV1	1.693
RCOR1	Human	<i>MER123</i>	DNA	DNA	2.691
RCOR1	Human	<i>UCON23</i>	DNA?	DNA?	2.747
SIN3A	Human	<i>AluYc5</i>	SINE	Alu	2.706
SIN3A	Human	<i>Eulor10</i>	DNA?	DNA?	1.502
SIN3A	Human	<i>Eulor6E</i>	DNA?	DNA?	1.583
SIN3A	Human	<i>MER123</i>	DNA	DNA	2.545
SIN3A	Human	<i>MER132</i>	DNA	TcMar	1.662
SIN3A	Human	<i>MER133B</i>	DNA?	DNA?	1.823
SIN3A	Human	<i>UCON23</i>	DNA?	DNA?	2.491
SMC3	Human	<i>AluYc5</i>	SINE	Alu	2.684
SMC3	Human	<i>MER123</i>	DNA	DNA	2.548
SMC3	Human	<i>MER133B</i>	DNA?	DNA?	1.598
SMC3	Human	<i>MER75A</i>	DNA	PiggyBac	1.631
SMC3	Human	<i>UCON23</i>	DNA?	DNA?	2.327
TAL1	Human	<i>Eulor2A</i>	DNA?	DNA?	1.711
TAL1	Human	<i>HERV1_LTRe</i>	LTR	ERV1	4.984
TAL1	Human	<i>LTR10B</i>	LTR	ERV1	2.186
TAL1	Human	<i>LTR14</i>	LTR	ERVK	2.239
TAL1	Human	<i>LTR14A</i>	LTR	ERVK	2.279
TAL1	Human	<i>LTR6B</i>	LTR	ERV1	1.854
TAL1	Human	<i>LTR75_1</i>	LTR	ERV1	3.242
TAL1	Human	<i>LTR77</i>	LTR	ERV1	1.991
TAL1	Human	<i>MER51D</i>	LTR	ERV1	1.812
TAL1	Human	<i>MER5C1</i>	DNA	hAT-Charlie	1.601
TAL1	Human	<i>MER73</i>	LTR	ERVL	1.908
TAL1	Human	<i>MER74C</i>	LTR	ERVL	2.661
TAL1	Human	<i>MER88</i>	LTR	ERVL	1.770
TAL1	Human	<i>MLT1E1A-int</i>	LTR	ERVL-MaLR	2.417
TAL1	Human	<i>MLT1K-int</i>	LTR	ERVL-MaLR	1.599
TBP	Human	<i>LTR12E</i>	LTR	ERV1	2.093
TBP	Human	<i>MER123</i>	DNA	DNA	2.927
TBP	Human	<i>MER132</i>	DNA	TcMar	1.555
TBP	Human	<i>MER133B</i>	DNA?	DNA?	1.957
TBP	Human	<i>UCON23</i>	DNA?	DNA?	2.707

UBTF	Human	<i>MER45C</i>	DNA	hAT-Tip100	4.922
USF2	Human	<i>AluYc5</i>	SINE	Alu	1.923
USF2	Human	<i>LTR13_</i>	LTR	ERVK	1.886
USF2	Human	<i>MER133B</i>	DNA?	DNA?	1.546

Supplementary Table 3B: TF-TE relationships in mouse that were enriched (log-odds ratio) for sequencing reads (see Methods) but were not enriched for binding peaks.

TF	Species	TE subfamily	TE Class	TE Family	Log-Odds Ratio
BHLHE40	Mouse	<i>LTR88b</i>	LTR	Gypsy?	2.095
BHLHE40	Mouse	<i>MamRep1894</i>	DNA	hAT	2.216
BHLHE40	Mouse	<i>MER57E1</i>	LTR	ERV1	1.513
BHLHE40	Mouse	<i>MER5C1</i>	DNA	MER1_type	1.639
BHLHE40	Mouse	<i>MMTV-int</i>	LTR	ERVK	1.891
CHD1	Mouse	<i>FordPrefect</i>	DNA	Tip100	2.616
CHD2	Mouse	<i>LTR33C</i>	LTR	ERVL	2.284
CHD2	Mouse	<i>MamRep1894</i>	DNA	hAT	1.858
CTCF	Mouse	<i>AmnSINE1</i>	SINE	SINE	1.544
CTCF	Mouse	<i>L1M3f</i>	LINE	L1	2.727
CTCF	Mouse	<i>MER70-int</i>	LTR	ERVL	1.690
CTCF	Mouse	<i>MER91C</i>	DNA	Tip100	2.095
CTCF	Mouse	<i>Tigger16a</i>	DNA	Tigger	2.167
EP300	Mouse	<i>LTR86C</i>	LTR	ERVL	2.034
EP300	Mouse	<i>MamRep1894</i>	DNA	hAT	1.845
EP300	Mouse	<i>MER5C1</i>	DNA	MER1_type	2.076
EP300	Mouse	<i>MER74C</i>	LTR	ERVL	2.239
EP300	Mouse	<i>MER88</i>	LTR	ERVL	1.781
EP300	Mouse	<i>RLTR4_Mm</i>	LTR	ERV1	2.261
ETS1	Mouse	<i>LTR86C</i>	LTR	ERVL	1.678
ETS1	Mouse	<i>MamRep1894</i>	DNA	hAT	1.900
ETS1	Mouse	<i>MER5C1</i>	DNA	MER1_type	1.783
ETS1	Mouse	<i>MER88</i>	LTR	ERVL	1.658
ETS1	Mouse	<i>MMTV-int</i>	LTR	ERVK	1.555
ETS1	Mouse	<i>MMVL30-int</i>	LTR	ERV1	1.887
ETS1	Mouse	<i>RLTR4_Mm</i>	LTR	ERV1	2.215
ETS1	Mouse	<i>RLTR45</i>	LTR	ERVK	1.814
GATA1	Mouse	<i>LTR84a</i>	LTR	ERVL	1.553
GATA1	Mouse	<i>LTR86C</i>	LTR	ERVL	1.813
GATA1	Mouse	<i>MER5C1</i>	DNA	MER1_type	2.258
GATA1	Mouse	<i>MER74C</i>	LTR	ERVL	1.672
GATA1	Mouse	<i>MER88</i>	LTR	ERVL	1.507
GATA1	Mouse	<i>RLTR4_Mm</i>	LTR	ERV1	1.583
KAT2A	Mouse	<i>MamRep1894</i>	DNA	hAT	1.733
MAX	Mouse	<i>MamRep1894</i>	DNA	hAT	2.065
MAZ	Mouse	<i>RLTR45</i>	LTR	ERVK	1.687
MYC	Mouse	<i>MER91B</i>	DNA	Tip100	1.623
PAX5	Mouse	<i>MamRep1894</i>	DNA	hAT	2.169
POL2	Mouse	<i>FLAM_A</i>	SINE	Alu	1.713
POL2	Mouse	<i>IAPLTR1_Mm</i>	LTR	ERVK	2.391

POL2	Mouse	<i>IAPLTR1a_Mm</i>	LTR	ERVK	1.625
POL2	Mouse	<i>LTR83</i>	LTR	ERVL	1.925
POL2	Mouse	<i>LTR88a</i>	LTR	Gypsy	1.899
POL2	Mouse	<i>MER74C</i>	LTR	ERVL	1.960
POL2	Mouse	<i>MMTV-int</i>	LTR	ERVK	2.644
POL2	Mouse	<i>MuLV-int</i>	LTR	ERV1	2.942
POL2	Mouse	<i>RLTR10B</i>	LTR	ERVK	1.617
POL2	Mouse	<i>RLTR1B</i>	LTR	ERV1	1.586
POL2	Mouse	<i>RLTR4_Mm</i>	LTR	ERV1	4.667
POL2	Mouse	<i>RLTR4_MM-int</i>	LTR	ERV1	2.521
RAD21	Mouse	<i>Charlie19a</i>	DNA	Charlie	1.749
RAD21	Mouse	<i>Kanga1a</i>	DNA	Tc2	2.058
RAD21	Mouse	<i>L1M3f</i>	LINE	L1	3.351
RAD21	Mouse	<i>LTR52</i>	LTR	ERVL	1.969
RAD21	Mouse	<i>MamRep1879</i>	DNA	hAT?	1.912
RAD21	Mouse	<i>MER70-int</i>	LTR	ERVL	2.018
RAD21	Mouse	<i>MER91C</i>	DNA	Tip100	2.322
RAD21	Mouse	<i>MER96</i>	DNA	hAT	1.532
RAD21	Mouse	<i>Tigger16a</i>	DNA	Tigger	2.710
RAD21	Mouse	<i>Zaphod2</i>	DNA	Tip100	1.617
RCOR1	Mouse	<i>MamRep1894</i>	DNA	hAT	1.933
RCOR1	Mouse	<i>RLTR45</i>	LTR	ERVK	1.507
RDBP	Mouse	<i>RLTR4_Mm</i>	LTR	ERV1	1.813
SIN3A	Mouse	<i>MamRep1894</i>	DNA	hAT	1.818
SIN3A	Mouse	<i>MER74C</i>	LTR	ERVL	1.641
SIN3A	Mouse	<i>RLTR4_Mm</i>	LTR	ERV1	1.613
SMC3	Mouse	<i>L1M3f</i>	LINE	L1	2.100
SMC3	Mouse	<i>LTR52</i>	LTR	ERVL	1.663
SMC3	Mouse	<i>LTR55</i>	LTR	ERV	2.509
SMC3	Mouse	<i>Tigger16a</i>	DNA	Tigger	2.009
TAL1	Mouse	<i>LTR86C</i>	LTR	ERVL	2.604
TAL1	Mouse	<i>MamRep1894</i>	DNA	hAT	1.845
TAL1	Mouse	<i>MER5C1</i>	DNA	MER1_type	2.218
TAL1	Mouse	<i>MER88</i>	LTR	ERVL	1.932
TBP	Mouse	<i>IAPLTR1_Mm</i>	LTR	ERVK	1.793
TBP	Mouse	<i>LTR31</i>	LTR	ERV1	2.101
TBP	Mouse	<i>MER74C</i>	LTR	ERVL	1.891
TBP	Mouse	<i>RLTR10B</i>	LTR	ERVK	2.038
TBP	Mouse	<i>RLTR4_Mm</i>	LTR	ERV1	2.040
UBTF	Mouse	<i>FordPrefect</i>	DNA	Tip100	6.083
USF2	Mouse	<i>MamRep1894</i>	DNA	hAT	2.303

Supplementary Table 4A: GO term enrichment (using GREAT (McLean et al., 2010)) of human-specific TE-derived TF binding peaks. Here, we compared the GO terms enriched by occupancy conserved peaks and GO terms enriched for human-specific TE-derived binding peaks. (*binomial* $p < 0.001$).

TF	Occupancy conserved peaks			Human-specific TEs that contributed TF binding peaks		
	No. of peaks	GO terms enriched	Binomial p	No. of TEs	GO terms enriched	Binomial p
JUND	815	Apoptosis signaling pathway	2.8515E-7	11,500	Lipopolysaccharide-mediated signaling pathway	1.5807E-10
		Interleukin signaling pathway	6.9877E-5		Macrophage differentiation	2.5394E-7
RCOR1	946	Interleukin signaling pathway	2.7011E-6	10,281	B-cell activation	9.6149E-26
		JAK/STAT signaling pathway	3.6731E-5		Axon guidance mediated by netrin	1.2121E-17
		Oxidative stress response	5.4083E-4		<i>De novo</i> purine biosynthesis	4.3129E-11
UBTF	856	Positive regulation of protein ubiquitination	1.9912E-5	877	Mitochondrial outer membrane	1.1972E-5
		mRNA catabolic process	7.0650E-7			
		Nuclear-transcribed mRNA catabolic process	1.1510E-7		Melanosome	2.1011E-5

Supplementary Table 4B: GO term enrichment (using GREAT (McLean et al., 2010)) of mouse-specific TE-derived TF binding peaks. Here, we compared the GO terms enriched by occupancy conserved peaks and GO terms enriched for mouse-specific TE-derived binding peaks. (*binomial* $p < 0.001$).

TF	Occupancy conserved peaks			Mouse-specific TEs that contributed TF binding peaks		
	No. of peaks	GO terms enriched	Binomial p	No. of TEs	GO terms enriched	Binomial p
ETS1	1,631	Apoptosis signaling pathway	2.6844E-4	6,537	B-cell activation	3.8087E-19
					T-cell activation	1.7893E-15
					Histamine H1 receptor mediated signaling pathway	2.7517E-10
GATA1	540	Heme biosynthesis	2.5539E-7	9,158	Peptidyl-lysine modification	6.1497E-17
		Interleukin signaling pathway	6.9291E-4		Lipid homeostasis	4.6227E-13
					Protein folding	1.0577E-12
					Positive regulation of inflammatory response	1.9795E-11
MYC	5,056	Translation	4.9603E-47	7,726	Apoptosis signaling pathway	2.1121E-21
		ncRNA metabolic process	1.2995E-35		T-cell activation	6.5533E-17
		RNA processing	4.8468E-38		P53 pathway by glucose deprivation	2.9480E-6

Supp. Tab 4B continued:

TF	Occupancy conserved peaks			Mouse-specific TEs that contribute TF binding peaks		
	No. of peaks	GO terms enriched	Binomial <i>p</i>	No. of TEs	GO terms enriched	Binomial <i>p</i>
SIN3A	4,965	Transcripti on regulation of bZIP transcripti on factor	1.9457E-5	2,455	Myeloid leukocyte activation	4.8299E-7
		General transcripti on regulation	3.6724E-5		T-cell costimulation	1.0167E-6
					Induction of apoptosis by extracellular signals	1.5248E-4
TBP	6,444	Transcripti on regulation of bZIP transcripti on factor	1.8112E-8	7,726	Apoptosis signaling pathway	1.4073E-10
		General transcripti on regulation	4.1618E-4		B-cell activation	3.7045E-8
					<i>De novo</i> purine biosynthesis	1.3789E-6

Supplementary Table 5: Motif logos for 19 (out of 26) TFs that we predicted motifs for, in human (left), and mouse (right). (See *Methods* for description of *de novo* motif prediction).



BHLHE40			BHLHE40
CHD2			CHD2
CTCF			CTCF
ETS1			ETS1
GATA1			GATA1
JUND			JUND
MAFK			MAFK
MAX			MAX
MXI1			MXI1
MYC			MYC
POL2			POL2
RAD21			RAD21
RCOR1			RCOR1
SIN3A			SIN3A
SMC3			SMC3
TAL1			TAL1
TBP			TBP
USF2			USF2

Supplemental Table 6 (A): DCC identifiers of the transcription factor (TF) binding datasets used in this study.

Species	Tissue/cell type	TF	No. of replicates	DCC number
Mouse	CH12	BHLHE40	2	wgEncodeEM001979
		CHD1	2	wgEncodeEM003334
		CHD2	2	wgEncodeEM001975
		CTCF	2	wgEncodeEM001954
		CTCF	2	wgEncodeEM001922
		E2F4	2	wgEncodeEM001937
		EP300	2	wgEncodeEM001958
		ETS1	2	wgEncodeEM002778
		JUND	2	wgEncodeEM001940
		KAT2A	2	wgEncodeEM003335
		MAFK	2	wgEncodeEM001980
		MAX	2	wgEncodeEM001955
		MAZ	2	wgEncodeEM003336
		MXI1	2	wgEncodeEM001976
		MYC	2	wgEncodeEM001944
		PAX5	2	wgEncodeEM002353
		POLR2A	2	wgEncodeEM001941
		RAD21	2	wgEncodeEM001956
		RCOR1	2	wgEncodeEM002783
		RDBP	2	wgEncodeEM001977
		SIN3A	2	wgEncodeEM002784
		SMC3	2	wgEncodeEM001971
		TBP	2	wgEncodeEM001942
		UBTF	2	wgEncodeEM002786
		USF2	2	wgEncodeEM001957
	MEL	BHLHE40	2	wgEncodeEM003344
		CHD1	2	wgEncodeEM003338
		CHD2	2	wgEncodeEM001972
		CTCF	2	wgEncodeEM001968
		CTCF	2	wgEncodeEM002661
		CTCF	2	wgEncodeEM001928
		E2F4	2	wgEncodeEM001953
		EP300	2	wgEncodeEM001961
		EP300	2	wgEncodeEM001969
		ETS1	2	wgEncodeEM002789
		GATA1	2	wgEncodeEM001945
		JUND	2	wgEncodeEM001952
		KAT2A	2	wgEncodeEM003339

		MAFK	2	wgEncodeEM001981
		MAX	2	wgEncodeEM001959
		MAZ	2	wgEncodeEM003340
		MXI1	2	wgEncodeEM001973
		MYC	2	wgEncodeEM001951
		POLR2A	2	wgEncodeEM001949
		POLR2A	2	wgEncodeEM002662
		RAD21	2	wgEncodeEM001966
		RCOR1	2	wgEncodeEM003343
		RDBP	2	wgEncodeEM001964
		SIN3A	2	wgEncodeEM002785
		SMC3	2	wgEncodeEM001978
		TAL1	2	wgEncodeEM002360
		TBP	2	wgEncodeEM001950
		UBTF	2	wgEncodeEM003342
		USF2	2	wgEncodeEM002780
		USF2	2	wgEncodeEM001960
Human	GM12878	BHLHE40	2	wgEncodeEH002025
		CHD1	2	wgEncodeEH002823
		CHD2	2	wgEncodeEH001831
		CTCF	2	wgEncodeEH000029
		CTCF	3	wgEncodeEH000532
		CTCF	2	wgEncodeEH001851
		CTCF	2	wgEncodeEH000394
		E2F4	2	wgEncodeEH002867
		EP300	2	wgEncodeEH001487
		EP300	2	wgEncodeEH002037
		EP300	2	wgEncodeEH002824
		ETS1	2	wgEncodeEH001564
		JUND	2	wgEncodeEH000639
		KAT2A	2	wgEncodeEH001874
		MAX	2	wgEncodeEH002806
		MAZ	2	wgEncodeEH002852
		MXI1	2	wgEncodeEH002026
		MYC	2	wgEncodeEH000547
		PAX5	2	wgEncodeEH001489
		PAX5	2	wgEncodeEH001495
		POLR2A	2	wgEncodeEH001463
		POLR2A	2	wgEncodeEH000592
		POLR2A	7	wgEncodeEH000708
		POLR2A	2	wgEncodeEH000626

		RAD21	2	wgEncodeEH001640
		RAD21	2	wgEncodeEH000749
		RCOR1	2	wgEncodeEH002841
		SIN3A	2	wgEncodeEH002868
		SMC3	2	wgEncodeEH001833
		TBP	2	wgEncodeEH001798
		USF2	2	wgEncodeEH001812
	K562	BHLHE40	2	wgEncodeEH001857
		CHD1	2	wgEncodeEH002088
		CHD2	2	wgEncodeEH001822
		CTCF	2	wgEncodeEH000042
		CTCF	3	wgEncodeEH000535
		CTCF	2	wgEncodeEH002797
		CTCF	2	wgEncodeEH000399
		E2F4	2	wgEncodeEH000671
		EP300	2	wgEncodeEH002086
		EP300	2	wgEncodeEH002834
		ETS1	2	wgEncodeEH001580
		GATA1	2	wgEncodeEH000638
		JUND	2	wgEncodeEH002164
		MAFK	2	wgEncodeEH001844
		MAX	2	wgEncodeEH001605
		MAX	2	wgEncodeEH002869
		MAZ	2	wgEncodeEH002862
		MXI1	2	wgEncodeEH001827
		MYC	3	wgEncodeEH000536
		MYC	2	wgEncodeEH002800
		MYC	2	wgEncodeEH000621
		POLR2A	2	wgEncodeEH000053
		POLR2A	2	wgEncodeEH001633
		POLR2A	2	wgEncodeEH000555
		POLR2A	2	wgEncodeEH000727
		POLR2A	2	wgEncodeEH000616
		RAD21	2	wgEncodeEH001585
		RAD21	2	wgEncodeEH000649
		RCOR1	2	wgEncodeEH002847
		RCOR1	2	wgEncodeEH002814
		RDBP	2	wgEncodeEH000701
		SIN3A	2	wgEncodeEH001607
		SMC3	2	wgEncodeEH001845
		TAL1	2	wgEncodeEH001824

		TBP	2	wgEncodeEH001825
		UBTF	2	wgEncodeEH002863
		UBTF	2	wgEncodeEH002850
		USF2	2	wgEncodeEH001797

Supplemental Table 6 (B): DCC identifiers of the histone modification datasets used in this study.

Species	Cell	Histone Modification	No. of replicates	DCC number
Mouse	CH12	H3K27ac	2	wgEncodeEM003167
		H3K27me3	2	wgEncodeEM002362
		H3K36me3	2	wgEncodeEM002364
		H3K4me1	2	wgEncodeEM002370
		H3K4me3	2	wgEncodeEM002366
		H3K4me3	2	wgEncodeEM002004
		H3K9me3	2	wgEncodeEM002372
		Input	2	wgEncodeEM003164
	MEL	H3K27ac	2	wgEncodeEM002649
		H3K27me3	2	wgEncodeEM002645
		H3K36me3	2	wgEncodeEM002646
		H3K36me3	2	wgEncodeEM003332
		H3K4me1	2	wgEncodeEM002650
		H3K4me3	2	wgEncodeEM002651
		H3K9me3	2	wgEncodeEM003327
		Input	2	wgEncodeEM002652
Human	GM12878	H3K27ac	2	wgEncodeEH000030
		H3K27me3	2	wgEncodeEH000031
		H3K36me3	2	wgEncodeEH000032
		H3K4me1	2	wgEncodeEH000033
		H3K4me3	2	wgEncodeEH000028
		H3K9me3	2	wgEncodeEH001035
		Input	2	wgEncodeEH000037
	K562	H3K27ac	2	wgEncodeEH000043
		H3K27me3	2	wgEncodeEH000044
		H3K36me3	2	wgEncodeEH000045
		H3K4me1	2	wgEncodeEH000046
		H3K4me3	2	wgEncodeEH000048
		H3K9me3	2	wgEncodeEH001040
		Input	1	wgEncodeEH000052

Supplemental Table 6 (C): GEO accession numbers for the DNA methylation datasets that we generated for this study.

Species	Cell	Technique	GEO number
Mouse	CH12	MeDIP-seq	GSM1368909
		MRE-seq	GSM1368913
	MEL	MeDIP-seq	GSM1368908
		MRE-seq	GSM1368912
Human	GM12878	MeDIP-seq	GSM1368907
		MRE-seq	GSM1368911
	K562	MeDIP-seq	GSM1368906
		MRE-seq	GSM1368910