

Iterative motif analysis of ZNF343

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```
## Parameters for Iterative motif analysis
anchor <- "GAAGCG"
border_width <- 40
upstream_flank <- 30
downstream_flank <- 1
```

Importing ChIP-exo raw reads of ZNF343 protein

The raw ChIP-exo reads are stored in ZNF343.bed, and peaks calling positions data are stored in ZNF343_peaks.bed. Both are directly downloaded from <https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSM2466539>

```
# Sorting and counting ChIP-exo reads based on chromosome and its first base position(defined as edge)

ZNF343_exo_reads <- readr::read_table2("../ZNF343.bed",
                                       col_names =
                                         c("chrome", "start", "end", "name", "score", "strand")) %>%
  dplyr::mutate(edge=ifelse(strand=="+", start, end)) %>%
  dplyr::count(chrome, strand, edge) %>%
  dplyr::arrange(chrome, strand, edge) %>%
  group_by(chrome)

# Splitting ChIP-exo reads to separate data tables based on chromosome to speed up computation process
ZNF343_exo_reads_by_chrome <- ZNF343_exo_reads %>%
  group_split()

names(ZNF343_exo_reads_by_chrome) <- group_keys(ZNF343_exo_reads)[[1]]
rm(ZNF343_exo_reads)
```

Importing ChIP-exo peaks called from MACS calling of ZNF343 data

```
ZNF343_peaks <- rtracklayer::import("ZNF343_peaks.bed",format="BED")
as.data.frame(ZNF343_peaks)
```

##	seqnames	start	end	width	strand	name	score
## 1	chr1	29097	29378	282	+	MACS_peak_1	279.22
## 2	chr1	714213	714415	203	+	MACS_peak_3	209.95
## 3	chr1	740257	740389	133	+	MACS_peak_4	172.36
## 4	chr1	762406	762630	225	+	MACS_peak_5	82.07
## 5	chr1	1014790	1015127	338	+	MACS_peak_8	154.40
## 6	chr1	1166749	1167195	447	+	MACS_peak_10	223.02
## 7	chr1	1310535	1310733	199	+	MACS_peak_11	114.28
## 8	chr1	2144371	2144548	178	+	MACS_peak_14	156.92
## 9	chr1	2323282	2323536	255	+	MACS_peak_16	173.55
## 10	chr1	3371199	3371504	306	+	MACS_peak_20	124.01
## 11	chr1	6305249	6305609	361	+	MACS_peak_24	85.73
## 12	chr1	6844443	6844830	388	+	MACS_peak_26	106.54
## 13	chr1	7963131	7963382	252	+	MACS_peak_30	377.01
## 14	chr1	8484177	8484475	299	+	MACS_peak_33	221.36
## 15	chr1	8763278	8763471	194	+	MACS_peak_34	86.77
## 16	chr1	9352999	9353153	155	+	MACS_peak_38	171.51
## 17	chr1	9599628	9600021	394	+	MACS_peak_41	101.83
## 18	chr1	10854949	10855279	331	+	MACS_peak_46	107.95
## 19	chr1	11539211	11539482	272	+	MACS_peak_52	111.74
## 20	chr1	11968781	11969002	222	+	MACS_peak_54	97.66
## 21	chr1	16011146	16011385	240	+	MACS_peak_65	218.42
## 22	chr1	16481310	16481504	195	+	MACS_peak_68	232.02
## 23	chr1	16767022	16767140	119	+	MACS_peak_71	101.73
## 24	chr1	16872092	16872274	183	+	MACS_peak_73	103.89
## 25	chr1	16939942	16940490	549	+	MACS_peak_74	94.71
## 26	chr1	16971131	16971439	309	+	MACS_peak_75	173.58
## 27	chr1	16993105	16993822	718	+	MACS_peak_76	180.67
## 28	chr1	17222246	17223011	766	+	MACS_peak_79	120.11
## 29	chr1	17287281	17287515	235	+	MACS_peak_80	100.65
## 30	chr1	19282115	19282467	353	+	MACS_peak_83	151.53
## 31	chr1	21995415	21995859	445	+	MACS_peak_89	148.13
## 32	chr1	22264001	22264280	280	+	MACS_peak_90	177.37
## 33	chr1	22379120	22379444	325	+	MACS_peak_91	341.09
## 34	chr1	23345883	23346241	359	+	MACS_peak_92	186.20
## 35	chr1	23670226	23670480	255	+	MACS_peak_94	621.08
## 36	chr1	23886096	23886513	418	+	MACS_peak_96	414.67
## 37	chr1	24069635	24070039	405	+	MACS_peak_97	88.10
## 38	chr1	24194248	24194567	320	+	MACS_peak_100	114.18
## 39	chr1	24742605	24742846	242	+	MACS_peak_102	369.71
## 40	chr1	25256224	25256525	302	+	MACS_peak_107	130.97
## 41	chr1	26202122	26202474	353	+	MACS_peak_111	149.72
## 42	chr1	26438334	26438680	347	+	MACS_peak_113	85.45
## 43	chr1	26471659	26471865	207	+	MACS_peak_114	244.53
## 44	chr1	26947567	26947883	317	+	MACS_peak_118	107.68
## 45	chr1	27098555	27098713	159	+	MACS_peak_120	158.78
## 46	chr1	27481531	27481631	101	+	MACS_peak_123	487.42

## 47	chr1	27719096	27719244	149	+	MACS_peak_124	320.91
## 48	chr1	28052366	28052837	472	+	MACS_peak_128	109.30
## 49	chr1	28414409	28415001	593	+	MACS_peak_130	275.69
## 50	chr1	28523626	28523804	179	+	MACS_peak_131	80.30
## 51	chr1	28559382	28559507	126	+	MACS_peak_132	87.56
## 52	chr1	28575290	28575563	274	+	MACS_peak_134	158.64
## 53	chr1	28585317	28586202	886	+	MACS_peak_135	227.66
## 54	chr1	28655477	28655604	128	+	MACS_peak_136	103.34
## 55	chr1	28908192	28908440	249	+	MACS_peak_140	478.17
## 56	chr1	28969165	28969601	437	+	MACS_peak_141	1292.81
## 57	chr1	29063242	29064268	1027	+	MACS_peak_144	470.60
## 58	chr1	29508094	29508465	372	+	MACS_peak_146	92.45
## 59	chr1	29564915	29565028	114	+	MACS_peak_147	153.17
## 60	chr1	31296916	31297187	272	+	MACS_peak_149	128.00
## 61	chr1	32410153	32410420	268	+	MACS_peak_154	679.05
## 62	chr1	32420324	32420422	99	+	MACS_peak_155	100.91
## 63	chr1	32538176	32538687	512	+	MACS_peak_156	194.18
## 64	chr1	32645378	32645696	319	+	MACS_peak_159	113.20
## 65	chr1	32687476	32687821	346	+	MACS_peak_160	87.02
## 66	chr1	32801358	32801992	635	+	MACS_peak_162	88.56
## 67	chr1	33115949	33116444	496	+	MACS_peak_165	87.79
## 68	chr1	33116859	33117335	477	+	MACS_peak_166	143.93
## 69	chr1	33177720	33178125	406	+	MACS_peak_167	128.27
## 70	chr1	33351931	33352317	387	+	MACS_peak_170	208.55
## 71	chr1	33430310	33430467	158	+	MACS_peak_172	195.06
## 72	chr1	33511444	33511780	337	+	MACS_peak_173	89.26
## 73	chr1	33536171	33536630	460	+	MACS_peak_174	103.52
## 74	chr1	33592969	33593224	256	+	MACS_peak_175	127.74
## 75	chr1	33647660	33647939	280	+	MACS_peak_177	129.02
## 76	chr1	33705096	33705269	174	+	MACS_peak_178	95.18
## 77	chr1	33815476	33816166	691	+	MACS_peak_179	177.45
## 78	chr1	33938222	33938408	187	+	MACS_peak_180	96.37
## 79	chr1	35544828	35545081	254	+	MACS_peak_184	165.29
## 80	chr1	36772671	36772921	251	+	MACS_peak_188	234.53
## 81	chr1	37940243	37940451	209	+	MACS_peak_193	112.82
## 82	chr1	37980439	37980657	219	+	MACS_peak_194	606.43
## 83	chr1	39044284	39044382	99	+	MACS_peak_199	136.97
## 84	chr1	39492012	39492419	408	+	MACS_peak_202	534.47
## 85	chr1	39874708	39875153	446	+	MACS_peak_204	156.98
## 86	chr1	40042071	40042472	402	+	MACS_peak_205	175.38
## 87	chr1	40105099	40105310	212	+	MACS_peak_206	85.51
## 88	chr1	40505369	40505683	315	+	MACS_peak_211	286.87
## 89	chr1	41157412	41157670	259	+	MACS_peak_219	143.77
## 90	chr1	41414375	41414609	235	+	MACS_peak_223	82.80
## 91	chr1	42128238	42128690	453	+	MACS_peak_224	124.13
## 92	chr1	43638361	43638446	86	+	MACS_peak_227	160.09
## 93	chr1	43833582	43834071	490	+	MACS_peak_228	193.61
## 94	chr1	43919248	43919621	374	+	MACS_peak_229	147.92
## 95	chr1	44116138	44116254	117	+	MACS_peak_230	840.08
## 96	chr1	45097582	45097845	264	+	MACS_peak_238	1766.19
## 97	chr1	45196497	45196887	391	+	MACS_peak_239	104.46
## 98	chr1	45452287	45452457	171	+	MACS_peak_242	189.66
## 99	chr1	45769644	45769901	258	+	MACS_peak_244	110.43
## 100	chr1	45805696	45806085	390	+	MACS_peak_245	87.65

## 101	chr1	46216126	46216586	461	+	MACS_peak_248	290.62
## 102	chr1	46766273	46766504	232	+	MACS_peak_251	174.66
## 103	chr1	46805839	46806287	449	+	MACS_peak_253	115.71
## 104	chr1	47644932	47645012	81	+	MACS_peak_256	104.77
## 105	chr1	47799349	47799513	165	+	MACS_peak_257	111.60
## 106	chr1	48176033	48176362	330	+	MACS_peak_259	280.12
## 107	chr1	48463284	48463404	121	+	MACS_peak_261	178.02
## 108	chr1	48559595	48559933	339	+	MACS_peak_262	84.66
## 109	chr1	51425916	51426133	218	+	MACS_peak_267	116.05
## 110	chr1	51984094	51984750	657	+	MACS_peak_270	168.98
## 111	chr1	52114153	52114258	106	+	MACS_peak_274	127.27
## 112	chr1	52344318	52344437	120	+	MACS_peak_275	308.51
## 113	chr1	52607711	52608118	408	+	MACS_peak_276	722.68
## 114	chr1	53192754	53193021	268	+	MACS_peak_279	134.65
## 115	chr1	53662273	53662537	265	+	MACS_peak_281	88.10
## 116	chr1	54204742	54204908	167	+	MACS_peak_282	181.49
## 117	chr1	54303860	54304260	401	+	MACS_peak_283	131.79
## 118	chr1	54519003	54519335	333	+	MACS_peak_284	414.28
## 119	chr1	54665522	54665728	207	+	MACS_peak_285	94.61
## 120	chr1	54871128	54871346	219	+	MACS_peak_288	98.30
## 121	chr1	55181496	55181645	150	+	MACS_peak_289	362.30
## 122	chr1	55276210	55276330	121	+	MACS_peak_290	113.85
## 123	chr1	55681162	55681460	299	+	MACS_peak_292	141.22
## 124	chr1	55683299	55683485	187	+	MACS_peak_293	120.21
## 125	chr1	57110736	57111341	606	+	MACS_peak_295	109.55
## 126	chr1	57889453	57889772	320	+	MACS_peak_298	151.04
## 127	chr1	58088843	58088943	101	+	MACS_peak_299	267.78
## 128	chr1	59249232	59249717	486	+	MACS_peak_304	238.56
## 129	chr1	59250923	59251423	501	+	MACS_peak_305	175.24
## 130	chr1	59762369	59763036	668	+	MACS_peak_306	220.80
## 131	chr1	60279976	60280285	310	+	MACS_peak_309	84.30
## 132	chr1	61515887	61516222	336	+	MACS_peak_312	1175.05
## 133	chr1	62190967	62191138	172	+	MACS_peak_314	697.45
## 134	chr1	62901598	62901894	297	+	MACS_peak_320	80.77
## 135	chr1	63154145	63154326	182	+	MACS_peak_322	1566.77
## 136	chr1	63782744	63782969	226	+	MACS_peak_324	150.78
## 137	chr1	63789090	63789593	504	+	MACS_peak_325	466.95
## 138	chr1	63988954	63989378	425	+	MACS_peak_326	95.63
## 139	chr1	64059100	64059530	431	+	MACS_peak_327	177.73
## 140	chr1	64212058	64212282	225	+	MACS_peak_328	345.47
## 141	chr1	64704615	64704955	341	+	MACS_peak_335	95.19
## 142	chr1	64935833	64936466	634	+	MACS_peak_338	453.21
## 143	chr1	65210642	65211190	549	+	MACS_peak_340	297.17
## 144	chr1	65431592	65432369	778	+	MACS_peak_342	80.98
## 145	chr1	65468311	65468636	326	+	MACS_peak_343	209.93
## 146	chr1	65531962	65532255	294	+	MACS_peak_344	266.99
## 147	chr1	65775239	65775593	355	+	MACS_peak_348	392.86
## 148	chr1	67356163	67356679	517	+	MACS_peak_353	249.36
## 149	chr1	67390828	67391124	297	+	MACS_peak_354	104.41
## 150	chr1	67396230	67396438	209	+	MACS_peak_355	350.92
## 151	chr1	67519108	67519969	862	+	MACS_peak_356	162.43
## 152	chr1	67615065	67615142	78	+	MACS_peak_357	144.11
## 153	chr1	67896214	67896778	565	+	MACS_peak_359	1037.86
## 154	chr1	68152127	68152580	454	+	MACS_peak_362	80.15

## 155	chr1	68698169	68698468	300	+	MACS_peak_366	265.46
## 156	chr1	70032919	70033248	330	+	MACS_peak_367	179.10
## 157	chr1	70034023	70034237	215	+	MACS_peak_368	233.56
## 158	chr1	70876738	70877103	366	+	MACS_peak_375	266.27
## 159	chr1	72749678	72749951	274	+	MACS_peak_377	876.02
## 160	chr1	75602110	75602577	468	+	MACS_peak_381	128.42
## 161	chr1	76081275	76081651	377	+	MACS_peak_383	151.98
## 162	chr1	77747433	77747669	237	+	MACS_peak_390	109.86
## 163	chr1	78147349	78147444	96	+	MACS_peak_391	105.48
## 164	chr1	78148997	78149126	130	+	MACS_peak_392	1259.70
## 165	chr1	78225404	78225604	201	+	MACS_peak_393	1969.83
## 166	chr1	78353680	78354036	357	+	MACS_peak_396	1675.70
## 167	chr1	82266161	82266446	286	+	MACS_peak_404	99.65
## 168	chr1	84543508	84543815	308	+	MACS_peak_406	98.08
## 169	chr1	84569172	84569345	174	+	MACS_peak_407	147.51
## 170	chr1	84713246	84713394	149	+	MACS_peak_409	144.61
## 171	chr1	84972179	84972585	407	+	MACS_peak_412	124.01
## 172	chr1	85086410	85086773	364	+	MACS_peak_416	241.61
## 173	chr1	85358668	85359283	616	+	MACS_peak_418	127.83
## 174	chr1	85462655	85463076	422	+	MACS_peak_419	129.67
## 175	chr1	85666449	85667085	637	+	MACS_peak_420	480.16
## 176	chr1	85724648	85724876	229	+	MACS_peak_421	88.56
## 177	chr1	86174272	86174333	62	+	MACS_peak_426	86.39
## 178	chr1	87170111	87170813	703	+	MACS_peak_431	255.75
## 179	chr1	87240048	87240225	178	+	MACS_peak_432	331.06
## 180	chr1	87299507	87299640	134	+	MACS_peak_433	374.08
## 181	chr1	87380438	87381473	1036	+	MACS_peak_434	537.11
## 182	chr1	87794599	87794937	339	+	MACS_peak_435	113.25
## 183	chr1	89149608	89150637	1030	+	MACS_peak_438	194.53
## 184	chr1	89356996	89357283	288	+	MACS_peak_439	282.15
## 185	chr1	89570552	89570603	52	+	MACS_peak_441	102.55
## 186	chr1	89989952	89990298	347	+	MACS_peak_442	99.15
## 187	chr1	90098543	90099034	492	+	MACS_peak_443	333.95
## 188	chr1	90287236	90287713	478	+	MACS_peak_446	155.85
## 189	chr1	91183215	91183461	247	+	MACS_peak_450	168.17
## 190	chr1	91870157	91870367	211	+	MACS_peak_454	118.22
## 191	chr1	91966309	91966588	280	+	MACS_peak_455	149.17
## 192	chr1	92351606	92352027	422	+	MACS_peak_459	152.55
## 193	chr1	92546230	92546415	186	+	MACS_peak_460	1675.93
## 194	chr1	92764277	92764948	672	+	MACS_peak_461	173.69
## 195	chr1	93544635	93545144	510	+	MACS_peak_467	96.04
## 196	chr1	93645480	93646451	972	+	MACS_peak_468	404.18
## 197	chr1	93913482	93913729	248	+	MACS_peak_471	166.53
## 198	chr1	94146851	94147619	769	+	MACS_peak_472	123.07
## 199	chr1	94313326	94313568	243	+	MACS_peak_475	99.49
## 200	chr1	95392344	95392637	294	+	MACS_peak_478	266.14
## 201	chr1	95538621	95538799	179	+	MACS_peak_479	96.58
## 202	chr1	95699515	95699765	251	+	MACS_peak_480	204.99
## 203	chr1	99127610	99127855	246	+	MACS_peak_486	98.62
## 204	chr1	100714853	100715326	474	+	MACS_peak_490	194.55
## 205	chr1	100731774	100731993	220	+	MACS_peak_491	107.19
## 206	chr1	100818217	100818455	239	+	MACS_peak_492	172.43
## 207	chr1	101491388	101491724	337	+	MACS_peak_494	84.92
## 208	chr1	102123365	102123570	206	+	MACS_peak_496	275.62

## 209	chr1	107599230	107599365	136	+	MACS_peak_500	91.52
## 210	chr1	109102338	109102668	331	+	MACS_peak_507	163.72
## 211	chr1	109289243	109289597	355	+	MACS_peak_508	307.25
## 212	chr1	110438429	110438693	265	+	MACS_peak_516	123.52
## 213	chr1	110546539	110546866	328	+	MACS_peak_518	138.70
## 214	chr1	110577571	110577806	236	+	MACS_peak_519	122.80
## 215	chr1	110753531	110753833	303	+	MACS_peak_521	330.22
## 216	chr1	111217051	111217430	380	+	MACS_peak_525	126.32
## 217	chr1	111889287	111889462	176	+	MACS_peak_528	232.34
## 218	chr1	112050473	112051005	533	+	MACS_peak_529	155.97
## 219	chr1	112281793	112282192	400	+	MACS_peak_531	120.81
## 220	chr1	112298076	112298186	111	+	MACS_peak_532	89.59
## 221	chr1	113247612	113247813	202	+	MACS_peak_536	177.02
## 222	chr1	113249997	113250203	207	+	MACS_peak_537	95.20
## 223	chr1	114352623	114352843	221	+	MACS_peak_542	182.38
## 224	chr1	114472300	114472663	364	+	MACS_peak_546	158.33
## 225	chr1	115046534	115046644	111	+	MACS_peak_548	188.31
## 226	chr1	115323279	115323819	541	+	MACS_peak_549	96.14
## 227	chr1	115681620	115681824	205	+	MACS_peak_550	126.04
## 228	chr1	116184463	116185110	648	+	MACS_peak_553	104.71
## 229	chr1	116185453	116185597	145	+	MACS_peak_554	93.16
## 230	chr1	117112984	117113274	291	+	MACS_peak_560	128.84
## 231	chr1	117210211	117210528	318	+	MACS_peak_565	241.75
## 232	chr1	117452297	117452803	507	+	MACS_peak_568	203.13
## 233	chr1	117602396	117602753	358	+	MACS_peak_569	326.14
## 234	chr1	117669423	117669743	321	+	MACS_peak_571	203.89
## 235	chr1	117909901	117910206	306	+	MACS_peak_572	585.01
## 236	chr1	120190834	120191116	283	+	MACS_peak_578	95.57
## 237	chr1	120255168	120255609	442	+	MACS_peak_579	131.42
## 238	chr1	120611181	120612364	1184	+	MACS_peak_583	228.64
## 239	chr1	120837395	120838240	846	+	MACS_peak_586	279.99
## 240	chr1	120838956	120839517	562	+	MACS_peak_587	99.60
## 241	chr1	120925389	120925653	265	+	MACS_peak_588	80.40
## 242	chr1	143673320	143673506	187	+	MACS_peak_589	225.00
## 243	chr1	143686922	143687088	167	+	MACS_peak_590	586.42
## 244	chr1	143743394	143743565	172	+	MACS_peak_591	399.53
## 245	chr1	143750787	143750992	206	+	MACS_peak_592	109.27
## 246	chr1	143912683	143913173	491	+	MACS_peak_593	125.99
## 247	chr1	143913838	143914651	814	+	MACS_peak_594	229.75
## 248	chr1	143989100	143989224	125	+	MACS_peak_595	87.65
## 249	chr1	144519673	144520141	469	+	MACS_peak_597	137.30
## 250	chr1	144931497	144932551	1055	+	MACS_peak_601	293.83
## 251	chr1	145039399	145039964	566	+	MACS_peak_602	124.28
## 252	chr1	145139405	145139725	321	+	MACS_peak_604	211.09
## 253	chr1	145208973	145209301	329	+	MACS_peak_605	274.17
## 254	chr1	145219226	145219478	253	+	MACS_peak_607	202.32
## 255	chr1	145382282	145382629	348	+	MACS_peak_608	84.34
## 256	chr1	145470362	145470683	322	+	MACS_peak_610	187.43
## 257	chr1	145826477	145826795	319	+	MACS_peak_616	153.92
## 258	chr1	145979407	145979607	201	+	MACS_peak_617	81.22
## 259	chr1	146556335	146556517	183	+	MACS_peak_619	134.41
## 260	chr1	146714073	146714573	501	+	MACS_peak_622	141.79
## 261	chr1	147064912	147065029	118	+	MACS_peak_623	312.61
## 262	chr1	147070937	147071330	394	+	MACS_peak_624	118.69

## 263	chr1	147400563	147401049	487	+	MACS_peak_626	221.04
## 264	chr1	147520977	147521246	270	+	MACS_peak_627	94.12
## 265	chr1	147624382	147624656	275	+	MACS_peak_628	174.19
## 266	chr1	147735579	147735694	116	+	MACS_peak_629	148.76
## 267	chr1	147806996	147807356	361	+	MACS_peak_631	249.76
## 268	chr1	147874432	147874571	140	+	MACS_peak_633	392.31
## 269	chr1	148247664	148248126	463	+	MACS_peak_637	105.02
## 270	chr1	148532056	148532463	408	+	MACS_peak_638	91.26
## 271	chr1	148598284	148598876	593	+	MACS_peak_639	128.88
## 272	chr1	149605481	149605596	116	+	MACS_peak_643	343.45
## 273	chr1	149785022	149785253	232	+	MACS_peak_644	102.85
## 274	chr1	149803773	149804351	579	+	MACS_peak_645	199.78
## 275	chr1	149812558	149812714	157	+	MACS_peak_646	81.10
## 276	chr1	149813119	149813578	460	+	MACS_peak_647	87.87
## 277	chr1	149823363	149823689	327	+	MACS_peak_649	81.81
## 278	chr1	149824302	149824488	187	+	MACS_peak_650	96.58
## 279	chr1	149832559	149832814	256	+	MACS_peak_651	337.62
## 280	chr1	149833125	149833393	269	+	MACS_peak_652	81.12
## 281	chr1	149889232	149889419	188	+	MACS_peak_653	137.80
## 282	chr1	150207471	150207754	284	+	MACS_peak_657	91.99
## 283	chr1	150551572	150552217	646	+	MACS_peak_660	390.30
## 284	chr1	150577070	150577277	208	+	MACS_peak_661	107.49
## 285	chr1	150601585	150601981	397	+	MACS_peak_662	158.72
## 286	chr1	151043376	151043721	346	+	MACS_peak_667	120.63
## 287	chr1	151171035	151171197	163	+	MACS_peak_669	190.23
## 288	chr1	151254708	151254976	269	+	MACS_peak_671	231.95
## 289	chr1	151299779	151300265	487	+	MACS_peak_673	112.82
## 290	chr1	151584441	151584678	238	+	MACS_peak_676	663.27
## 291	chr1	151881717	151882288	572	+	MACS_peak_677	93.49
## 292	chr1	153233909	153234212	304	+	MACS_peak_683	123.62
## 293	chr1	153643267	153643466	200	+	MACS_peak_686	85.67
## 294	chr1	153755928	153756167	240	+	MACS_peak_688	382.60
## 295	chr1	153939676	153940049	374	+	MACS_peak_692	208.57
## 296	chr1	154155325	154155819	495	+	MACS_peak_695	121.06
## 297	chr1	154192853	154193227	375	+	MACS_peak_696	198.64
## 298	chr1	154193815	154193953	139	+	MACS_peak_698	222.74
## 299	chr1	154378318	154378569	252	+	MACS_peak_699	110.82
## 300	chr1	154531508	154531765	258	+	MACS_peak_701	126.66
## 301	chr1	154688496	154688612	117	+	MACS_peak_702	281.45
## 302	chr1	154909162	154909261	100	+	MACS_peak_706	93.87
## 303	chr1	154933886	154934193	308	+	MACS_peak_707	163.23
## 304	chr1	155023211	155023663	453	+	MACS_peak_712	518.28
## 305	chr1	155036116	155036399	284	+	MACS_peak_713	197.20
## 306	chr1	155051204	155051508	305	+	MACS_peak_714	173.01
## 307	chr1	155057051	155057553	503	+	MACS_peak_715	315.92
## 308	chr1	155163430	155163665	236	+	MACS_peak_717	282.82
## 309	chr1	155178694	155178995	302	+	MACS_peak_718	83.49
## 310	chr1	155197199	155197324	126	+	MACS_peak_720	143.15
## 311	chr1	155214526	155214750	225	+	MACS_peak_721	133.68
## 312	chr1	155231932	155232059	128	+	MACS_peak_722	112.71
## 313	chr1	155531949	155532158	210	+	MACS_peak_726	255.61
## 314	chr1	155532940	155533109	170	+	MACS_peak_727	305.43
## 315	chr1	155657700	155659026	1327	+	MACS_peak_731	295.63
## 316	chr1	156024605	156024948	344	+	MACS_peak_737	124.44

## 317	chr1	156052494	156052795	302	+	MACS_peak_738	239.42
## 318	chr1	156093553	156093893	341	+	MACS_peak_739	217.21
## 319	chr1	156427229	156427482	254	+	MACS_peak_745	1800.41
## 320	chr1	156470709	156470852	144	+	MACS_peak_746	234.26
## 321	chr1	156611663	156611951	289	+	MACS_peak_747	104.92
## 322	chr1	156659300	156659415	116	+	MACS_peak_749	85.73
## 323	chr1	156897656	156898329	674	+	MACS_peak_755	139.65
## 324	chr1	157015136	157015657	522	+	MACS_peak_757	103.30
## 325	chr1	157108032	157108514	483	+	MACS_peak_759	102.43
## 326	chr1	160645529	160645624	96	+	MACS_peak_771	140.29
## 327	chr1	161014855	161014937	83	+	MACS_peak_772	108.85
## 328	chr1	161359595	161359813	219	+	MACS_peak_775	88.24
## 329	chr1	161501033	161501152	120	+	MACS_peak_781	204.73
## 330	chr1	161591265	161591395	131	+	MACS_peak_783	88.10
## 331	chr1	161696045	161696600	556	+	MACS_peak_784	286.70
## 332	chr1	162039420	162039992	573	+	MACS_peak_787	123.59
## 333	chr1	162531520	162531756	237	+	MACS_peak_788	84.89
## 334	chr1	163291743	163292010	268	+	MACS_peak_793	104.61
## 335	chr1	164744249	164744468	220	+	MACS_peak_798	110.97
## 336	chr1	165205197	165205480	284	+	MACS_peak_799	87.20
## 337	chr1	165567241	165567517	277	+	MACS_peak_800	112.28
## 338	chr1	165667661	165667916	256	+	MACS_peak_801	241.21
## 339	chr1	165738452	165738693	242	+	MACS_peak_803	153.51
## 340	chr1	166844897	166845121	225	+	MACS_peak_807	698.98
## 341	chr1	167189376	167189681	306	+	MACS_peak_809	116.39
## 342	chr1	167193019	167193247	229	+	MACS_peak_811	123.05
## 343	chr1	167522431	167522886	456	+	MACS_peak_814	107.29
## 344	chr1	167789298	167789501	204	+	MACS_peak_818	97.60
## 345	chr1	167904897	167905238	342	+	MACS_peak_819	85.03
## 346	chr1	168105123	168105405	283	+	MACS_peak_821	84.92
## 347	chr1	168105893	168106251	359	+	MACS_peak_822	258.80
## 348	chr1	168148175	168148411	237	+	MACS_peak_823	515.79
## 349	chr1	169075896	169076291	396	+	MACS_peak_829	86.55
## 350	chr1	169337718	169337866	149	+	MACS_peak_830	163.40
## 351	chr1	169396760	169396891	132	+	MACS_peak_831	180.45
## 352	chr1	169862561	169862703	143	+	MACS_peak_832	102.00
## 353	chr1	170043647	170043966	320	+	MACS_peak_833	294.54
## 354	chr1	170501473	170501758	286	+	MACS_peak_834	100.22
## 355	chr1	171526463	171526835	373	+	MACS_peak_836	107.08
## 356	chr1	171750312	171750553	242	+	MACS_peak_838	171.70
## 357	chr1	171811396	171811699	304	+	MACS_peak_839	216.05
## 358	chr1	172328107	172328195	89	+	MACS_peak_840	159.51
## 359	chr1	172502310	172502561	252	+	MACS_peak_841	85.78
## 360	chr1	173446417	173446658	242	+	MACS_peak_842	84.08
## 361	chr1	173793563	173794037	475	+	MACS_peak_843	140.58
## 362	chr1	173836753	173837134	382	+	MACS_peak_844	119.09
## 363	chr1	173991024	173991431	408	+	MACS_peak_846	274.71
## 364	chr1	174208013	174208297	285	+	MACS_peak_848	129.67
## 365	chr1	174768795	174769027	233	+	MACS_peak_850	271.78
## 366	chr1	174817887	174818061	175	+	MACS_peak_851	118.08
## 367	chr1	174969067	174969238	172	+	MACS_peak_853	87.02
## 368	chr1	178062355	178062525	171	+	MACS_peak_859	102.03
## 369	chr1	178063113	178063703	591	+	MACS_peak_860	101.57
## 370	chr1	178694042	178694232	191	+	MACS_peak_864	106.65

## 371	chr1	179051230	179051509	280	+	MACS_peak_868	90.67
## 372	chr1	179052194	179052401	208	+	MACS_peak_869	123.02
## 373	chr1	179198658	179199104	447	+	MACS_peak_870	384.30
## 374	chr1	179262935	179263176	242	+	MACS_peak_871	719.19
## 375	chr1	179555494	179555818	325	+	MACS_peak_872	88.78
## 376	chr1	179783647	179783942	296	+	MACS_peak_874	151.61
## 377	chr1	180199342	180199687	346	+	MACS_peak_877	107.21
## 378	chr1	180471323	180471884	562	+	MACS_peak_878	227.60
## 379	chr1	180601241	180601627	387	+	MACS_peak_879	563.00
## 380	chr1	180980921	180981054	134	+	MACS_peak_880	184.67
## 381	chr1	180991651	180992192	542	+	MACS_peak_881	92.91
## 382	chr1	181074031	181074456	426	+	MACS_peak_884	125.05
## 383	chr1	182584174	182584377	204	+	MACS_peak_887	130.84
## 384	chr1	182808567	182808948	382	+	MACS_peak_889	190.98
## 385	chr1	182992593	182992806	214	+	MACS_peak_892	152.59
## 386	chr1	183204774	183204867	94	+	MACS_peak_893	97.60
## 387	chr1	183604675	183605004	330	+	MACS_peak_897	155.52
## 388	chr1	184006166	184006614	449	+	MACS_peak_900	118.69
## 389	chr1	184020743	184020929	187	+	MACS_peak_901	390.80
## 390	chr1	184357150	184357252	103	+	MACS_peak_904	172.49
## 391	chr1	185014297	185014905	609	+	MACS_peak_906	187.09
## 392	chr1	185285894	185286126	233	+	MACS_peak_908	158.19
## 393	chr1	185703292	185703590	299	+	MACS_peak_909	290.88
## 394	chr1	186649625	186649975	351	+	MACS_peak_912	84.63
## 395	chr1	187041820	187042322	503	+	MACS_peak_913	273.95
## 396	chr1	190447354	190447650	297	+	MACS_peak_914	121.35
## 397	chr1	197115235	197115583	349	+	MACS_peak_918	587.82
## 398	chr1	197885056	197885383	328	+	MACS_peak_919	182.38
## 399	chr1	200008888	200009042	155	+	MACS_peak_924	264.88
## 400	chr1	200012302	200012478	177	+	MACS_peak_925	158.98
## 401	chr1	201150465	201150823	359	+	MACS_peak_930	157.68
## 402	chr1	201437674	201438338	665	+	MACS_peak_933	96.67
## 403	chr1	201472642	201472753	112	+	MACS_peak_934	128.62
## 404	chr1	201683643	201684154	512	+	MACS_peak_937	102.28
## 405	chr1	201952115	201952444	330	+	MACS_peak_940	124.50
## 406	chr1	202205588	202205768	181	+	MACS_peak_943	91.88
## 407	chr1	202317823	202318005	183	+	MACS_peak_944	194.87
## 408	chr1	202611927	202612136	210	+	MACS_peak_945	112.36
## 409	chr1	202775881	202776123	243	+	MACS_peak_948	113.52
## 410	chr1	203296536	203296980	445	+	MACS_peak_950	196.33
## 411	chr1	203619436	203619606	171	+	MACS_peak_953	91.18
## 412	chr1	204776170	204776241	72	+	MACS_peak_960	134.25
## 413	chr1	205091010	205091528	519	+	MACS_peak_962	109.90
## 414	chr1	205290443	205290820	378	+	MACS_peak_964	244.30
## 415	chr1	205313306	205313563	258	+	MACS_peak_965	104.60
## 416	chr1	206136810	206137742	933	+	MACS_peak_970	300.59
## 417	chr1	206138519	206138897	379	+	MACS_peak_971	91.41
## 418	chr1	206730490	206730634	145	+	MACS_peak_973	91.85
## 419	chr1	206858264	206858494	231	+	MACS_peak_974	1239.28
## 420	chr1	208042506	208042589	84	+	MACS_peak_976	175.64
## 421	chr1	209848718	209849089	372	+	MACS_peak_980	307.95
## 422	chr1	211431685	211431879	195	+	MACS_peak_987	221.50
## 423	chr1	211500062	211500227	166	+	MACS_peak_988	187.18
## 424	chr1	211688669	211688964	296	+	MACS_peak_990	188.74

## 425	chr1	211751152	211751387	236	+	MACS_peak_991	115.91
## 426	chr1	211849136	211849480	345	+	MACS_peak_993	106.75
## 427	chr1	212003687	212004125	439	+	MACS_peak_994	147.34
## 428	chr1	212458827	212459574	748	+	MACS_peak_995	198.67
## 429	chr1	212631274	212631510	237	+	MACS_peak_997	1493.38
## 430	chr1	212673821	212674010	190	+	MACS_peak_998	124.40
## 431	chr1	212702846	212703297	452	+	MACS_peak_999	122.91
## 432	chr1	212732157	212732342	186	+	MACS_peak_1000	181.50
## 433	chr1	212740456	212740591	136	+	MACS_peak_1001	226.87
## 434	chr1	213188559	213189056	498	+	MACS_peak_1005	131.71
## 435	chr1	213224632	213224947	316	+	MACS_peak_1006	314.34
## 436	chr1	214161349	214161680	332	+	MACS_peak_1010	207.22
## 437	chr1	214454412	214454822	411	+	MACS_peak_1011	175.61
## 438	chr1	215740659	215741280	622	+	MACS_peak_1015	612.95
## 439	chr1	218519335	218519563	229	+	MACS_peak_1019	110.76
## 440	chr1	219834487	219834602	116	+	MACS_peak_1020	144.51
## 441	chr1	220101201	220101626	426	+	MACS_peak_1022	168.23
## 442	chr1	220701765	220702132	368	+	MACS_peak_1024	505.37
## 443	chr1	221052064	221052550	487	+	MACS_peak_1026	126.16
## 444	chr1	221053062	221053302	241	+	MACS_peak_1027	111.82
## 445	chr1	222638830	222639042	213	+	MACS_peak_1032	128.93
## 446	chr1	223900108	223900677	570	+	MACS_peak_1037	227.83
## 447	chr1	224033371	224033992	622	+	MACS_peak_1038	139.51
## 448	chr1	224180468	224180585	118	+	MACS_peak_1040	549.69
## 449	chr1	224217495	224217603	109	+	MACS_peak_1041	456.14
## 450	chr1	224370744	224371401	658	+	MACS_peak_1042	104.93
## 451	chr1	224623007	224623358	352	+	MACS_peak_1044	93.00
## 452	chr1	225662611	225662814	204	+	MACS_peak_1049	236.87
## 453	chr1	225840522	225841719	1198	+	MACS_peak_1052	223.94
## 454	chr1	225965295	225966011	717	+	MACS_peak_1056	189.22
## 455	chr1	226111415	226111864	450	+	MACS_peak_1058	466.46
## 456	chr1	226187301	226187703	403	+	MACS_peak_1060	112.57
## 457	chr1	226250192	226250975	784	+	MACS_peak_1062	362.28
## 458	chr1	226271311	226271639	329	+	MACS_peak_1063	95.78
## 459	chr1	226309549	226310355	807	+	MACS_peak_1065	202.58
## 460	chr1	226373885	226374534	650	+	MACS_peak_1066	144.92
## 461	chr1	226496966	226497418	453	+	MACS_peak_1067	104.02
## 462	chr1	226502488	226503114	627	+	MACS_peak_1068	130.12
## 463	chr1	226735415	226735803	389	+	MACS_peak_1071	102.94
## 464	chr1	226890988	226891285	298	+	MACS_peak_1073	304.90
## 465	chr1	227505831	227506437	607	+	MACS_peak_1078	197.76
## 466	chr1	228353409	228353629	221	+	MACS_peak_1081	91.13
## 467	chr1	228594083	228594538	456	+	MACS_peak_1082	122.21
## 468	chr1	228642238	228642589	352	+	MACS_peak_1084	91.17
## 469	chr1	228654141	228654666	526	+	MACS_peak_1086	159.92
## 470	chr1	228674717	228675302	586	+	MACS_peak_1087	122.63
## 471	chr1	229160410	229160808	399	+	MACS_peak_1091	90.26
## 472	chr1	229699107	229699335	229	+	MACS_peak_1094	81.01
## 473	chr1	230202653	230203298	646	+	MACS_peak_1095	153.81
## 474	chr1	230249586	230249847	262	+	MACS_peak_1096	166.29
## 475	chr1	231242807	231243157	351	+	MACS_peak_1099	135.78
## 476	chr1	231297885	231298320	436	+	MACS_peak_1100	217.20
## 477	chr1	231557052	231557534	483	+	MACS_peak_1103	87.89
## 478	chr1	232732488	232732653	166	+	MACS_peak_1110	182.38

## 479	chr1	232766355	232766760	406	+	MACS_peak_1111	190.87
## 480	chr1	233474862	233475260	399	+	MACS_peak_1113	270.56
## 481	chr1	233749822	233750138	317	+	MACS_peak_1114	411.40
## 482	chr1	233771697	233772141	445	+	MACS_peak_1115	257.24
## 483	chr1	234349398	234350276	879	+	MACS_peak_1117	125.99
## 484	chr1	234445580	234445638	59	+	MACS_peak_1118	80.23
## 485	chr1	234614015	234614999	985	+	MACS_peak_1120	333.89
## 486	chr1	234630865	234631210	346	+	MACS_peak_1121	104.02
## 487	chr1	234635019	234635358	340	+	MACS_peak_1122	86.33
## 488	chr1	234672033	234672195	163	+	MACS_peak_1123	126.41
## 489	chr1	234680215	234680414	200	+	MACS_peak_1124	123.40
## 490	chr1	234744037	234745334	1298	+	MACS_peak_1125	186.86
## 491	chr1	234745816	234746192	377	+	MACS_peak_1126	178.82
## 492	chr1	234812110	234812170	61	+	MACS_peak_1127	85.40
## 493	chr1	234836269	234836406	138	+	MACS_peak_1129	326.08
## 494	chr1	235324430	235324692	263	+	MACS_peak_1137	109.78
## 495	chr1	235491297	235491507	211	+	MACS_peak_1138	588.74
## 496	chr1	235492248	235492558	311	+	MACS_peak_1139	203.63
## 497	chr1	235530743	235530850	108	+	MACS_peak_1140	119.75
## 498	chr1	235667702	235668595	894	+	MACS_peak_1141	223.04
## 499	chr1	235812023	235812479	457	+	MACS_peak_1142	126.04
## 500	chr1	236079282	236079539	258	+	MACS_peak_1144	110.54
## 501	chr1	236305929	236306574	646	+	MACS_peak_1145	303.67
## 502	chr1	236445045	236445787	743	+	MACS_peak_1147	203.93
## 503	chr1	236558631	236558947	317	+	MACS_peak_1148	112.60
## 504	chr1	236767121	236767416	296	+	MACS_peak_1149	87.11
## 505	chr1	236767866	236768354	489	+	MACS_peak_1150	102.77
## 506	chr1	236849771	236850064	294	+	MACS_peak_1151	315.33
## 507	chr1	237205399	237205834	436	+	MACS_peak_1153	141.47
## 508	chr1	240061518	240061622	105	+	MACS_peak_1161	123.33
## 509	chr1	240255032	240255573	542	+	MACS_peak_1162	106.14
## 510	chr1	240256480	240256712	233	+	MACS_peak_1163	109.24
## 511	chr1	240569253	240569643	391	+	MACS_peak_1165	223.27
## 512	chr1	241519730	241520394	665	+	MACS_peak_1167	161.89
## 513	chr1	241587262	241587731	470	+	MACS_peak_1168	112.64
## 514	chr1	243419322	243419471	150	+	MACS_peak_1172	236.90
## 515	chr1	243459758	243459828	71	+	MACS_peak_1174	132.72
## 516	chr1	244012423	244012563	141	+	MACS_peak_1175	136.58
## 517	chr1	244013816	244014234	419	+	MACS_peak_1176	396.95
## 518	chr1	244212774	244213029	256	+	MACS_peak_1177	175.21
## 519	chr1	244614871	244615566	696	+	MACS_peak_1179	182.32
## 520	chr1	244816551	244816728	178	+	MACS_peak_1181	294.60
## 521	chr1	244998043	244998812	770	+	MACS_peak_1182	109.94
## 522	chr1	245026336	245026936	601	+	MACS_peak_1183	479.96
## 523	chr1	245133112	245134234	1123	+	MACS_peak_1186	1090.78
## 524	chr10	557187	557251	65	+	MACS_peak_1191	348.96
## 525	chr10	1102253	1102628	376	+	MACS_peak_1196	81.52
## 526	chr10	3109849	3110164	316	+	MACS_peak_1201	87.18
## 527	chr10	3356506	3357284	779	+	MACS_peak_1205	207.97
## 528	chr10	3568192	3568487	296	+	MACS_peak_1206	281.45
## 529	chr10	3965276	3965501	226	+	MACS_peak_1209	1423.65
## 530	chr10	5931906	5932175	270	+	MACS_peak_1215	324.66
## 531	chr10	6019932	6020307	376	+	MACS_peak_1216	247.87
## 532	chr10	8092297	8092772	476	+	MACS_peak_1222	396.61

## 533	chr10	12238116	12238401	286	+	MACS_peak_1232	159.62
## 534	chr10	13141470	13141810	341	+	MACS_peak_1235	111.21
## 535	chr10	13341708	13342106	399	+	MACS_peak_1237	214.78
## 536	chr10	14868020	14868431	412	+	MACS_peak_1241	1945.92
## 537	chr10	14920368	14920594	227	+	MACS_peak_1243	126.46
## 538	chr10	14996218	14996422	205	+	MACS_peak_1245	133.97
## 539	chr10	15901934	15902185	252	+	MACS_peak_1247	112.08
## 540	chr10	16859108	16859309	202	+	MACS_peak_1249	442.39
## 541	chr10	17496117	17496385	269	+	MACS_peak_1253	1155.23
## 542	chr10	18429566	18429945	380	+	MACS_peak_1255	98.98
## 543	chr10	20105918	20106086	169	+	MACS_peak_1256	120.49
## 544	chr10	21463178	21463426	249	+	MACS_peak_1257	83.77
## 545	chr10	21784859	21785302	444	+	MACS_peak_1261	204.67
## 546	chr10	21785534	21785939	406	+	MACS_peak_1262	82.83
## 547	chr10	21815983	21816359	377	+	MACS_peak_1266	401.93
## 548	chr10	21822623	21823009	387	+	MACS_peak_1267	600.11
## 549	chr10	22292410	22292673	264	+	MACS_peak_1269	87.02
## 550	chr10	22605363	22605855	493	+	MACS_peak_1271	245.68
## 551	chr10	22625351	22625610	260	+	MACS_peak_1272	109.16
## 552	chr10	22629415	22630194	780	+	MACS_peak_1273	196.99
## 553	chr10	22725907	22726606	700	+	MACS_peak_1274	202.34
## 554	chr10	23384944	23385276	333	+	MACS_peak_1278	86.12
## 555	chr10	23633242	23633570	329	+	MACS_peak_1280	89.45
## 556	chr10	25011992	25012256	265	+	MACS_peak_1283	1307.08
## 557	chr10	25241502	25241901	400	+	MACS_peak_1285	88.92
## 558	chr10	25305897	25306104	208	+	MACS_peak_1286	104.79
## 559	chr10	30024521	30024807	287	+	MACS_peak_1303	327.96
## 560	chr10	30723503	30723668	166	+	MACS_peak_1306	119.75
## 561	chr10	32048912	32049073	162	+	MACS_peak_1309	123.87
## 562	chr10	32404199	32404628	430	+	MACS_peak_1311	462.30
## 563	chr10	33623878	33624525	648	+	MACS_peak_1315	241.27
## 564	chr10	35625340	35625722	383	+	MACS_peak_1319	202.37
## 565	chr10	38691625	38691764	140	+	MACS_peak_1321	313.08
## 566	chr10	43047837	43048119	283	+	MACS_peak_1322	83.02
## 567	chr10	43572417	43572680	264	+	MACS_peak_1325	137.60
## 568	chr10	43892396	43892692	297	+	MACS_peak_1327	239.97
## 569	chr10	44143878	44144225	348	+	MACS_peak_1330	102.85
## 570	chr10	44144601	44144803	203	+	MACS_peak_1331	158.88
## 571	chr10	44806492	44806677	186	+	MACS_peak_1332	156.54
## 572	chr10	45868845	45869525	681	+	MACS_peak_1335	162.41
## 573	chr10	46167868	46168366	499	+	MACS_peak_1337	153.51
## 574	chr10	48277868	48278001	134	+	MACS_peak_1341	159.99
## 575	chr10	50815080	50815290	211	+	MACS_peak_1346	179.60
## 576	chr10	50817650	50817999	350	+	MACS_peak_1347	86.95
## 577	chr10	51371229	51371692	464	+	MACS_peak_1348	146.42
## 578	chr10	51488997	51489338	342	+	MACS_peak_1349	81.42
## 579	chr10	51623133	51623506	374	+	MACS_peak_1350	129.36
## 580	chr10	52750837	52751003	167	+	MACS_peak_1351	208.12
## 581	chr10	52834100	52834422	323	+	MACS_peak_1352	105.14
## 582	chr10	57391129	57391338	210	+	MACS_peak_1355	151.61
## 583	chr10	63422565	63422847	283	+	MACS_peak_1362	160.01
## 584	chr10	64565624	64565782	159	+	MACS_peak_1369	111.07
## 585	chr10	64893077	64893400	324	+	MACS_peak_1372	130.91
## 586	chr10	65224931	65225797	867	+	MACS_peak_1375	411.55

## 587	chr10	65390426	65390664	239	+	MACS_peak_1378	125.72
## 588	chr10	69991024	69991594	571	+	MACS_peak_1387	109.51
## 589	chr10	70231487	70231631	145	+	MACS_peak_1390	85.73
## 590	chr10	70320072	70320263	192	+	MACS_peak_1391	132.99
## 591	chr10	70360094	70360480	387	+	MACS_peak_1393	84.08
## 592	chr10	70660435	70660797	363	+	MACS_peak_1394	88.45
## 593	chr10	70715979	70716356	378	+	MACS_peak_1396	97.32
## 594	chr10	70884010	70884169	160	+	MACS_peak_1397	83.83
## 595	chr10	71813086	71813434	349	+	MACS_peak_1402	99.15
## 596	chr10	71905281	71905748	468	+	MACS_peak_1403	134.64
## 597	chr10	71906087	71906480	394	+	MACS_peak_1404	102.69
## 598	chr10	72163761	72164174	414	+	MACS_peak_1405	95.05
## 599	chr10	72238119	72238234	116	+	MACS_peak_1407	125.63
## 600	chr10	73078815	73079008	194	+	MACS_peak_1412	146.20
## 601	chr10	73156613	73157157	545	+	MACS_peak_1413	122.30
## 602	chr10	73533124	73533342	219	+	MACS_peak_1415	591.96
## 603	chr10	73565769	73565984	216	+	MACS_peak_1416	83.17
## 604	chr10	73648523	73648912	390	+	MACS_peak_1418	225.64
## 605	chr10	73724131	73724722	592	+	MACS_peak_1419	113.68
## 606	chr10	73795932	73796069	138	+	MACS_peak_1420	135.83
## 607	chr10	74057978	74058107	130	+	MACS_peak_1424	313.59
## 608	chr10	74080779	74080940	162	+	MACS_peak_1425	228.71
## 609	chr10	74113613	74113958	346	+	MACS_peak_1426	163.80
## 610	chr10	75006743	75007053	311	+	MACS_peak_1428	190.23
## 611	chr10	75255117	75255441	325	+	MACS_peak_1431	371.03
## 612	chr10	75666581	75666698	118	+	MACS_peak_1434	81.31
## 613	chr10	75668717	75668918	202	+	MACS_peak_1435	271.55
## 614	chr10	75726092	75726465	374	+	MACS_peak_1436	253.99
## 615	chr10	75757866	75758187	322	+	MACS_peak_1437	171.14
## 616	chr10	77054786	77054916	131	+	MACS_peak_1444	83.83
## 617	chr10	77158636	77159095	460	+	MACS_peak_1445	127.72
## 618	chr10	79165666	79165741	76	+	MACS_peak_1449	153.58
## 619	chr10	80901843	80902009	167	+	MACS_peak_1454	151.11
## 620	chr10	81002451	81002901	451	+	MACS_peak_1455	132.78
## 621	chr10	81200661	81200788	128	+	MACS_peak_1456	103.02
## 622	chr10	81585583	81586099	517	+	MACS_peak_1457	362.30
## 623	chr10	82213752	82213961	210	+	MACS_peak_1460	317.26
## 624	chr10	88281352	88281614	263	+	MACS_peak_1466	130.37
## 625	chr10	88407477	88407680	204	+	MACS_peak_1468	168.76
## 626	chr10	88470828	88471532	705	+	MACS_peak_1469	155.45
## 627	chr10	88515562	88516062	501	+	MACS_peak_1470	222.91
## 628	chr10	89101643	89102220	578	+	MACS_peak_1474	527.73
## 629	chr10	89264462	89264568	107	+	MACS_peak_1476	183.23
## 630	chr10	89623286	89623890	605	+	MACS_peak_1477	154.80
## 631	chr10	90639926	90640401	476	+	MACS_peak_1479	108.68
## 632	chr10	91174462	91174960	499	+	MACS_peak_1481	133.31
## 633	chr10	92617467	92617639	173	+	MACS_peak_1484	81.89
## 634	chr10	93557938	93558419	482	+	MACS_peak_1487	150.55
## 635	chr10	94050762	94051237	476	+	MACS_peak_1492	258.38
## 636	chr10	94833875	94834115	241	+	MACS_peak_1494	288.30
## 637	chr10	95256276	95256545	270	+	MACS_peak_1499	281.40
## 638	chr10	96943230	96943875	646	+	MACS_peak_1503	223.01
## 639	chr10	97850022	97850103	82	+	MACS_peak_1505	111.76
## 640	chr10	97889675	97890523	849	+	MACS_peak_1506	324.46

## 641	chr10	98272589	98272734	146	+	MACS_peak_1507	132.73
## 642	chr10	98273556	98273809	254	+	MACS_peak_1508	121.46
## 643	chr10	98346778	98347002	225	+	MACS_peak_1509	103.95
## 644	chr10	98479699	98479987	289	+	MACS_peak_1510	105.94
## 645	chr10	98592053	98592274	222	+	MACS_peak_1511	89.94
## 646	chr10	99051950	99052289	340	+	MACS_peak_1514	125.42
## 647	chr10	99079047	99079354	308	+	MACS_peak_1515	141.55
## 648	chr10	99094122	99094487	366	+	MACS_peak_1516	136.12
## 649	chr10	99473268	99473443	176	+	MACS_peak_1523	193.96
## 650	chr10	99894302	99894585	284	+	MACS_peak_1528	241.97
## 651	chr10	100035648	100035965	318	+	MACS_peak_1529	244.08
## 652	chr10	101381122	101381327	206	+	MACS_peak_1532	3100.00
## 653	chr10	101418863	101419106	244	+	MACS_peak_1533	120.86
## 654	chr10	102132799	102133126	328	+	MACS_peak_1537	85.49
## 655	chr10	102503979	102504203	225	+	MACS_peak_1541	129.52
## 656	chr10	102827199	102827589	391	+	MACS_peak_1547	155.60
## 657	chr10	103454210	103454812	603	+	MACS_peak_1550	1141.94
## 658	chr10	103539643	103539973	331	+	MACS_peak_1551	85.40
## 659	chr10	103595910	103596058	149	+	MACS_peak_1552	220.63
## 660	chr10	103601009	103601185	177	+	MACS_peak_1553	821.55
## 661	chr10	103817556	103817838	283	+	MACS_peak_1555	105.25
## 662	chr10	104153883	104153989	107	+	MACS_peak_1557	108.06
## 663	chr10	104210123	104210396	274	+	MACS_peak_1559	140.13
## 664	chr10	104264152	104264621	470	+	MACS_peak_1560	128.93
## 665	chr10	104403450	104404030	581	+	MACS_peak_1561	302.32
## 666	chr10	104404445	104404869	425	+	MACS_peak_1562	90.56
## 667	chr10	104724583	104724785	203	+	MACS_peak_1565	167.84
## 668	chr10	105110369	105110736	368	+	MACS_peak_1567	80.44
## 669	chr10	105421139	105421534	396	+	MACS_peak_1571	245.23
## 670	chr10	105614718	105615005	288	+	MACS_peak_1572	114.01
## 671	chr10	105881367	105881895	529	+	MACS_peak_1576	448.51
## 672	chr10	106014404	106015045	642	+	MACS_peak_1577	215.49
## 673	chr10	106051107	106051345	239	+	MACS_peak_1579	92.15
## 674	chr10	111969905	111970197	293	+	MACS_peak_1585	91.30
## 675	chr10	112064328	112064678	351	+	MACS_peak_1587	532.63
## 676	chr10	112257252	112257668	417	+	MACS_peak_1588	774.38
## 677	chr10	112260996	112261269	274	+	MACS_peak_1589	270.70
## 678	chr10	112631208	112631370	163	+	MACS_peak_1592	280.19
## 679	chr10	112836099	112836802	704	+	MACS_peak_1597	174.51
## 680	chr10	116852573	116852661	89	+	MACS_peak_1609	92.38
## 681	chr10	116853131	116853460	330	+	MACS_peak_1610	225.21
## 682	chr10	118764939	118764965	27	+	MACS_peak_1613	131.94
## 683	chr10	119093711	119093843	133	+	MACS_peak_1615	432.13
## 684	chr10	119301913	119302128	216	+	MACS_peak_1617	242.40
## 685	chr10	120513732	120513948	217	+	MACS_peak_1622	207.29
## 686	chr10	120966525	120967368	844	+	MACS_peak_1626	154.65
## 687	chr10	121356372	121356825	454	+	MACS_peak_1628	101.80
## 688	chr10	121485533	121485933	401	+	MACS_peak_1630	159.49
## 689	chr10	121631776	121632163	388	+	MACS_peak_1631	107.41
## 690	chr10	122216419	122216823	405	+	MACS_peak_1633	440.51
## 691	chr10	123687741	123687990	250	+	MACS_peak_1635	131.82
## 692	chr10	123734004	123734184	181	+	MACS_peak_1637	95.11
## 693	chr10	123772281	123772533	253	+	MACS_peak_1638	574.42
## 694	chr10	124713602	124714190	589	+	MACS_peak_1642	113.68

## 695	chr10	125851757	125852022	266	+	MACS_peak_1645	822.02
## 696	chr10	126107223	126107476	254	+	MACS_peak_1647	328.18
## 697	chr10	126138532	126138827	296	+	MACS_peak_1648	251.10
## 698	chr10	126847564	126847838	275	+	MACS_peak_1649	875.64
## 699	chr10	126849514	126850233	720	+	MACS_peak_1650	139.98
## 700	chr10	133795178	133795483	306	+	MACS_peak_1657	112.74
## 701	chr10	135132030	135132380	351	+	MACS_peak_1664	107.17
## 702	chr10	135450906	135451196	291	+	MACS_peak_1668	443.89
## 703	chr11	180196	180316	121	+	MACS_peak_1669	1520.94
## 704	chr11	288670	289028	359	+	MACS_peak_1671	83.02
## 705	chr11	797611	798027	417	+	MACS_peak_1675	87.07
## 706	chr11	842212	842539	328	+	MACS_peak_1679	91.86
## 707	chr11	1568000	1568387	388	+	MACS_peak_1682	86.77
## 708	chr11	1593548	1593687	140	+	MACS_peak_1683	117.05
## 709	chr11	2466196	2466445	250	+	MACS_peak_1686	113.48
## 710	chr11	2852526	2852812	287	+	MACS_peak_1688	162.37
## 711	chr11	3443416	3443751	336	+	MACS_peak_1691	125.75
## 712	chr11	3602138	3602547	410	+	MACS_peak_1692	422.19
## 713	chr11	3818532	3818891	360	+	MACS_peak_1693	119.06
## 714	chr11	3819189	3819403	215	+	MACS_peak_1694	200.85
## 715	chr11	4629129	4629322	194	+	MACS_peak_1700	175.64
## 716	chr11	6440307	6440651	345	+	MACS_peak_1705	104.71
## 717	chr11	6490359	6490571	213	+	MACS_peak_1706	87.20
## 718	chr11	8284439	8284723	285	+	MACS_peak_1710	104.38
## 719	chr11	8704026	8704349	324	+	MACS_peak_1712	109.41
## 720	chr11	8710383	8710776	394	+	MACS_peak_1713	225.81
## 721	chr11	9025184	9025517	334	+	MACS_peak_1714	84.21
## 722	chr11	9286997	9287178	182	+	MACS_peak_1715	401.39
## 723	chr11	9406116	9406280	165	+	MACS_peak_1717	1704.65
## 724	chr11	9685677	9685985	309	+	MACS_peak_1720	132.64
## 725	chr11	10326212	10326349	138	+	MACS_peak_1724	88.42
## 726	chr11	10562847	10563087	241	+	MACS_peak_1726	99.74
## 727	chr11	10830290	10830502	213	+	MACS_peak_1728	86.79
## 728	chr11	10879449	10879966	518	+	MACS_peak_1729	102.05
## 729	chr11	10952378	10952715	338	+	MACS_peak_1731	183.28
## 730	chr11	10955429	10955652	224	+	MACS_peak_1732	138.03
## 731	chr11	11643423	11643636	214	+	MACS_peak_1733	191.43
## 732	chr11	11804417	11804701	285	+	MACS_peak_1734	500.57
## 733	chr11	12696813	12697028	216	+	MACS_peak_1736	164.76
## 734	chr11	13237870	13238033	164	+	MACS_peak_1740	163.01
## 735	chr11	14346681	14346893	213	+	MACS_peak_1742	163.79
## 736	chr11	14379725	14379997	273	+	MACS_peak_1743	612.83
## 737	chr11	14380438	14380686	249	+	MACS_peak_1744	170.16
## 738	chr11	14665670	14666368	699	+	MACS_peak_1747	190.56
## 739	chr11	14913005	14913740	736	+	MACS_peak_1748	350.18
## 740	chr11	15122802	15122906	105	+	MACS_peak_1749	162.68
## 741	chr11	17099037	17099300	264	+	MACS_peak_1757	135.86
## 742	chr11	17375054	17375401	348	+	MACS_peak_1758	241.36
## 743	chr11	18417550	18417731	182	+	MACS_peak_1763	2171.76
## 744	chr11	18743463	18743556	94	+	MACS_peak_1764	103.88
## 745	chr11	18813108	18813419	312	+	MACS_peak_1765	97.32
## 746	chr11	19262734	19263069	336	+	MACS_peak_1766	94.98
## 747	chr11	22214700	22214871	172	+	MACS_peak_1770	145.10
## 748	chr11	26986834	26987204	371	+	MACS_peak_1773	122.73

## 749	chr11	27223554	27223645	92	+	MACS_peak_1774	151.95
## 750	chr11	27231252	27231464	213	+	MACS_peak_1775	279.90
## 751	chr11	27384488	27384675	188	+	MACS_peak_1776	303.42
## 752	chr11	27743908	27744230	323	+	MACS_peak_1777	172.79
## 753	chr11	28129664	28129847	184	+	MACS_peak_1778	846.69
## 754	chr11	30344435	30344807	373	+	MACS_peak_1779	97.55
## 755	chr11	30607844	30608118	275	+	MACS_peak_1781	138.59
## 756	chr11	31833382	31833586	205	+	MACS_peak_1783	190.19
## 757	chr11	31838570	31838890	321	+	MACS_peak_1784	182.30
## 758	chr11	32112350	32112550	201	+	MACS_peak_1785	104.28
## 759	chr11	32373806	32373967	162	+	MACS_peak_1786	154.86
## 760	chr11	32456952	32457124	173	+	MACS_peak_1787	91.84
## 761	chr11	32914367	32914763	397	+	MACS_peak_1790	194.18
## 762	chr11	33061169	33061761	593	+	MACS_peak_1791	153.64
## 763	chr11	33182981	33183431	451	+	MACS_peak_1792	95.73
## 764	chr11	33278722	33278861	140	+	MACS_peak_1793	296.54
## 765	chr11	33279340	33280151	812	+	MACS_peak_1794	343.79
## 766	chr11	33398058	33398499	442	+	MACS_peak_1795	215.26
## 767	chr11	33713537	33713866	330	+	MACS_peak_1796	220.13
## 768	chr11	34072734	34073167	434	+	MACS_peak_1800	134.11
## 769	chr11	34706788	34706925	138	+	MACS_peak_1803	163.87
## 770	chr11	35441222	35441518	297	+	MACS_peak_1808	86.62
## 771	chr11	35639408	35640438	1031	+	MACS_peak_1809	156.84
## 772	chr11	35684340	35685049	710	+	MACS_peak_1810	329.29
## 773	chr11	36531290	36531666	377	+	MACS_peak_1814	165.86
## 774	chr11	43380300	43380392	93	+	MACS_peak_1818	289.83
## 775	chr11	45921484	45921619	136	+	MACS_peak_1827	612.82
## 776	chr11	46142517	46143043	527	+	MACS_peak_1828	90.80
## 777	chr11	46260810	46261246	437	+	MACS_peak_1830	121.93
## 778	chr11	46264976	46265257	282	+	MACS_peak_1831	128.01
## 779	chr11	46369218	46369490	273	+	MACS_peak_1832	1715.72
## 780	chr11	46402270	46402387	118	+	MACS_peak_1833	125.25
## 781	chr11	46613289	46613467	179	+	MACS_peak_1836	82.07
## 782	chr11	46958073	46958362	290	+	MACS_peak_1839	103.47
## 783	chr11	47376649	47376824	176	+	MACS_peak_1841	116.72
## 784	chr11	47429440	47429830	391	+	MACS_peak_1842	115.10
## 785	chr11	47869894	47870095	202	+	MACS_peak_1845	92.86
## 786	chr11	48001926	48002373	448	+	MACS_peak_1846	148.87
## 787	chr11	57092653	57092899	247	+	MACS_peak_1849	121.07
## 788	chr11	57283123	57283238	116	+	MACS_peak_1852	110.71
## 789	chr11	57435511	57435690	180	+	MACS_peak_1854	958.37
## 790	chr11	57508711	57509061	351	+	MACS_peak_1855	136.28
## 791	chr11	59383020	59383159	140	+	MACS_peak_1858	190.37
## 792	chr11	60673888	60674030	143	+	MACS_peak_1861	180.21
## 793	chr11	61100686	61100792	107	+	MACS_peak_1863	117.74
## 794	chr11	61276742	61276898	157	+	MACS_peak_1867	238.82
## 795	chr11	61734954	61735551	598	+	MACS_peak_1874	168.94
## 796	chr11	62323898	62324233	336	+	MACS_peak_1878	128.18
## 797	chr11	62379697	62380345	649	+	MACS_peak_1881	164.96
## 798	chr11	62432175	62432463	289	+	MACS_peak_1883	135.29
## 799	chr11	62446374	62446658	285	+	MACS_peak_1884	1608.52
## 800	chr11	62494537	62494908	372	+	MACS_peak_1885	280.12
## 801	chr11	62529197	62529465	269	+	MACS_peak_1887	151.71
## 802	chr11	62554886	62555045	160	+	MACS_peak_1888	122.55

## 803	chr11	62572720	62572888	169	+	MACS_peak_1889	182.38
## 804	chr11	63581696	63581929	234	+	MACS_peak_1896	94.00
## 805	chr11	63608421	63608672	252	+	MACS_peak_1899	217.67
## 806	chr11	63684597	63684727	131	+	MACS_peak_1900	112.74
## 807	chr11	63802994	63803155	162	+	MACS_peak_1902	262.70
## 808	chr11	64072982	64073052	71	+	MACS_peak_1907	109.01
## 809	chr11	64108086	64108331	246	+	MACS_peak_1909	150.02
## 810	chr11	64171350	64171471	122	+	MACS_peak_1910	412.60
## 811	chr11	64283682	64283916	235	+	MACS_peak_1911	663.95
## 812	chr11	64570725	64570979	255	+	MACS_peak_1914	172.91
## 813	chr11	64949171	64949543	373	+	MACS_peak_1918	257.28
## 814	chr11	65081801	65082059	259	+	MACS_peak_1919	98.42
## 815	chr11	65101394	65101629	236	+	MACS_peak_1920	153.48
## 816	chr11	65153938	65154221	284	+	MACS_peak_1922	280.09
## 817	chr11	65190295	65190541	247	+	MACS_peak_1923	98.27
## 818	chr11	65265172	65265383	212	+	MACS_peak_1924	185.97
## 819	chr11	65266489	65266614	126	+	MACS_peak_1925	125.51
## 820	chr11	65307853	65308150	298	+	MACS_peak_1927	865.57
## 821	chr11	65325601	65325898	298	+	MACS_peak_1928	519.85
## 822	chr11	65405353	65405547	195	+	MACS_peak_1929	159.38
## 823	chr11	65420005	65420362	358	+	MACS_peak_1930	104.71
## 824	chr11	65487587	65488308	722	+	MACS_peak_1931	1092.40
## 825	chr11	65599679	65600005	327	+	MACS_peak_1932	198.73
## 826	chr11	65683136	65683284	149	+	MACS_peak_1934	736.09
## 827	chr11	65729377	65729561	185	+	MACS_peak_1935	409.83
## 828	chr11	65769795	65770159	365	+	MACS_peak_1936	97.14
## 829	chr11	65819198	65819567	370	+	MACS_peak_1938	90.37
## 830	chr11	65819844	65820085	242	+	MACS_peak_1939	242.29
## 831	chr11	66025238	66025466	229	+	MACS_peak_1941	136.09
## 832	chr11	66056961	66057222	262	+	MACS_peak_1942	164.19
## 833	chr11	66189023	66189230	208	+	MACS_peak_1944	195.40
## 834	chr11	66346670	66346810	141	+	MACS_peak_1946	81.51
## 835	chr11	66360148	66360400	253	+	MACS_peak_1947	128.04
## 836	chr11	66384652	66384968	317	+	MACS_peak_1949	106.37
## 837	chr11	66405745	66405940	196	+	MACS_peak_1950	173.82
## 838	chr11	66494788	66495230	443	+	MACS_peak_1952	409.70
## 839	chr11	66886426	66886761	336	+	MACS_peak_1955	115.13
## 840	chr11	67210706	67210957	252	+	MACS_peak_1959	175.32
## 841	chr11	67350915	67351110	196	+	MACS_peak_1961	159.77
## 842	chr11	67567346	67567487	142	+	MACS_peak_1962	216.42
## 843	chr11	67572617	67572858	242	+	MACS_peak_1963	194.11
## 844	chr11	67722950	67723276	327	+	MACS_peak_1964	158.46
## 845	chr11	68039484	68039767	284	+	MACS_peak_1968	97.98
## 846	chr11	69258215	69258581	367	+	MACS_peak_1970	130.68
## 847	chr11	69455985	69456088	104	+	MACS_peak_1971	160.01
## 848	chr11	69489784	69490098	315	+	MACS_peak_1972	125.14
## 849	chr11	70952393	70952482	90	+	MACS_peak_1979	202.13
## 850	chr11	71350498	71350897	400	+	MACS_peak_1982	450.10
## 851	chr11	71498569	71498829	261	+	MACS_peak_1983	111.88
## 852	chr11	71503830	71504058	229	+	MACS_peak_1984	134.91
## 853	chr11	72182521	72182695	175	+	MACS_peak_1985	206.70
## 854	chr11	72492845	72493078	234	+	MACS_peak_1986	102.94
## 855	chr11	73087393	73087683	291	+	MACS_peak_1990	125.42
## 856	chr11	73471821	73472117	297	+	MACS_peak_1991	104.88

## 857	chr11	73675506	73675787	282	+	MACS_peak_1992	203.31
## 858	chr11	73693835	73693949	115	+	MACS_peak_1993	86.27
## 859	chr11	74460108	74460557	450	+	MACS_peak_1997	546.45
## 860	chr11	75110343	75110825	483	+	MACS_peak_2002	301.68
## 861	chr11	75236798	75236954	157	+	MACS_peak_2004	85.73
## 862	chr11	75294725	75294946	222	+	MACS_peak_2005	193.57
## 863	chr11	75417305	75417577	273	+	MACS_peak_2007	114.28
## 864	chr11	75918616	75918819	204	+	MACS_peak_2009	222.11
## 865	chr11	75921642	75921823	182	+	MACS_peak_2011	81.39
## 866	chr11	76092117	76092330	214	+	MACS_peak_2012	89.99
## 867	chr11	77531246	77531488	243	+	MACS_peak_2018	101.67
## 868	chr11	77531945	77532082	138	+	MACS_peak_2019	127.70
## 869	chr11	79151432	79151987	556	+	MACS_peak_2025	103.90
## 870	chr11	82868292	82868637	346	+	MACS_peak_2027	117.58
## 871	chr11	82905462	82905778	317	+	MACS_peak_2029	265.19
## 872	chr11	85396739	85397103	365	+	MACS_peak_2035	612.05
## 873	chr11	86511278	86511558	281	+	MACS_peak_2044	131.61
## 874	chr11	88070528	88070902	375	+	MACS_peak_2045	183.63
## 875	chr11	93276558	93276856	299	+	MACS_peak_2047	1280.02
## 876	chr11	93862082	93862394	313	+	MACS_peak_2048	163.23
## 877	chr11	94501517	94501619	103	+	MACS_peak_2051	102.07
## 878	chr11	95245597	95245709	113	+	MACS_peak_2055	245.14
## 879	chr11	95522803	95522949	147	+	MACS_peak_2056	138.83
## 880	chr11	101980946	101981030	85	+	MACS_peak_2060	202.11
## 881	chr11	102980204	102980458	255	+	MACS_peak_2068	143.15
## 882	chr11	107461438	107461920	483	+	MACS_peak_2071	168.00
## 883	chr11	107711602	107711734	133	+	MACS_peak_2072	179.05
## 884	chr11	107729204	107729478	275	+	MACS_peak_2073	238.46
## 885	chr11	107799316	107799604	289	+	MACS_peak_2074	702.71
## 886	chr11	108092991	108093319	329	+	MACS_peak_2076	191.81
## 887	chr11	108337890	108338101	212	+	MACS_peak_2077	109.24
## 888	chr11	109963559	109964168	610	+	MACS_peak_2079	344.27
## 889	chr11	110079844	110080231	388	+	MACS_peak_2080	220.01
## 890	chr11	110167274	110167860	587	+	MACS_peak_2081	295.20
## 891	chr11	110582448	110582789	342	+	MACS_peak_2083	130.68
## 892	chr11	111473229	111473541	313	+	MACS_peak_2084	119.37
## 893	chr11	111848114	111848355	242	+	MACS_peak_2087	110.80
## 894	chr11	113185503	113185706	204	+	MACS_peak_2090	612.23
## 895	chr11	113746398	113746609	212	+	MACS_peak_2093	147.69
## 896	chr11	113930494	113930815	322	+	MACS_peak_2095	121.74
## 897	chr11	113931292	113931708	417	+	MACS_peak_2096	144.81
## 898	chr11	114270713	114271005	293	+	MACS_peak_2097	87.20
## 899	chr11	115374937	115375165	229	+	MACS_peak_2100	108.12
## 900	chr11	116332657	116332848	192	+	MACS_peak_2103	159.22
## 901	chr11	116706557	116706805	249	+	MACS_peak_2106	88.45
## 902	chr11	117199083	117199196	114	+	MACS_peak_2112	116.94
## 903	chr11	118306170	118306447	278	+	MACS_peak_2117	99.77
## 904	chr11	118307000	118307347	348	+	MACS_peak_2118	566.87
## 905	chr11	118800193	118800391	199	+	MACS_peak_2123	84.24
## 906	chr11	118888930	118889130	201	+	MACS_peak_2124	121.23
## 907	chr11	118973258	118973344	87	+	MACS_peak_2126	139.14
## 908	chr11	119076832	119077283	452	+	MACS_peak_2129	144.23
## 909	chr11	119187631	119187852	222	+	MACS_peak_2130	124.12
## 910	chr11	119598981	119599177	197	+	MACS_peak_2133	125.17

## 911	chr11	120039658	120040168	511	+	MACS_peak_2134	188.75
## 912	chr11	120195949	120196317	369	+	MACS_peak_2135	176.47
## 913	chr11	120856582	120856993	412	+	MACS_peak_2138	95.81
## 914	chr11	122526530	122526906	377	+	MACS_peak_2140	162.43
## 915	chr11	123172458	123172722	265	+	MACS_peak_2141	213.02
## 916	chr11	123188712	123189142	431	+	MACS_peak_2142	423.76
## 917	chr11	123229089	123229249	161	+	MACS_peak_2143	100.72
## 918	chr11	123301076	123301881	806	+	MACS_peak_2144	243.68
## 919	chr11	124543824	124543977	154	+	MACS_peak_2146	278.16
## 920	chr11	124736161	124736420	260	+	MACS_peak_2149	315.38
## 921	chr11	125034224	125034494	271	+	MACS_peak_2152	162.67
## 922	chr11	125495394	125495672	279	+	MACS_peak_2156	155.49
## 923	chr11	126152957	126153552	596	+	MACS_peak_2160	361.05
## 924	chr11	126173981	126174238	258	+	MACS_peak_2161	211.25
## 925	chr11	126455539	126455795	257	+	MACS_peak_2162	166.64
## 926	chr11	127931448	127931686	239	+	MACS_peak_2163	165.78
## 927	chr11	129310228	129310469	242	+	MACS_peak_2172	122.49
## 928	chr11	129938986	129939197	212	+	MACS_peak_2174	90.75
## 929	chr11	130184122	130184544	423	+	MACS_peak_2178	109.74
## 930	chr11	133826697	133827019	323	+	MACS_peak_2181	338.10
## 931	chr11	133907166	133907366	201	+	MACS_peak_2184	103.41
## 932	chr11	134094712	134095056	345	+	MACS_peak_2185	227.21
## 933	chr11	134145977	134146304	328	+	MACS_peak_2187	90.80
## 934	chr12	74109	74611	503	+	MACS_peak_2188	172.35
## 935	chr12	860388	860531	144	+	MACS_peak_2195	90.75
## 936	chr12	861720	861867	148	+	MACS_peak_2196	177.72
## 937	chr12	863016	863312	297	+	MACS_peak_2197	193.38
## 938	chr12	1058985	1059144	160	+	MACS_peak_2199	1550.18
## 939	chr12	1099682	1100277	596	+	MACS_peak_2200	248.79
## 940	chr12	1714599	1714973	375	+	MACS_peak_2206	416.18
## 941	chr12	2629703	2629884	182	+	MACS_peak_2210	92.38
## 942	chr12	2986414	2986758	345	+	MACS_peak_2214	130.62
## 943	chr12	3000087	3000433	347	+	MACS_peak_2215	178.65
## 944	chr12	3068730	3069146	417	+	MACS_peak_2216	158.74
## 945	chr12	3862095	3862381	287	+	MACS_peak_2219	80.30
## 946	chr12	3982226	3982310	85	+	MACS_peak_2220	309.96
## 947	chr12	4122060	4122337	278	+	MACS_peak_2221	220.79
## 948	chr12	4140312	4140693	382	+	MACS_peak_2222	87.70
## 949	chr12	4381799	4381983	185	+	MACS_peak_2225	154.43
## 950	chr12	6445584	6445825	242	+	MACS_peak_2229	107.08
## 951	chr12	6480284	6480506	223	+	MACS_peak_2231	372.75
## 952	chr12	6643654	6643767	114	+	MACS_peak_2233	278.50
## 953	chr12	6723395	6723648	254	+	MACS_peak_2235	171.14
## 954	chr12	6808959	6809607	649	+	MACS_peak_2236	117.45
## 955	chr12	6876142	6876507	366	+	MACS_peak_2239	109.07
## 956	chr12	6937886	6938725	840	+	MACS_peak_2241	343.89
## 957	chr12	6982449	6982950	502	+	MACS_peak_2243	179.07
## 958	chr12	8179543	8179823	281	+	MACS_peak_2251	147.53
## 959	chr12	8395264	8395526	263	+	MACS_peak_2253	201.69
## 960	chr12	8542951	8543200	250	+	MACS_peak_2254	108.56
## 961	chr12	9800442	9800714	273	+	MACS_peak_2260	390.04
## 962	chr12	10875804	10875970	167	+	MACS_peak_2261	98.20
## 963	chr12	12419775	12420122	348	+	MACS_peak_2263	1047.64
## 964	chr12	12502946	12503358	413	+	MACS_peak_2264	93.09

## 965	chr12	12714553	12714964	412	+	MACS_peak_2266	121.26
## 966	chr12	12878804	12879040	237	+	MACS_peak_2270	100.84
## 967	chr12	13154187	13154372	186	+	MACS_peak_2272	99.17
## 968	chr12	13408748	13409046	299	+	MACS_peak_2276	183.24
## 969	chr12	14518532	14518708	177	+	MACS_peak_2278	122.83
## 970	chr12	15942166	15942602	437	+	MACS_peak_2279	106.76
## 971	chr12	19282469	19282733	265	+	MACS_peak_2280	88.30
## 972	chr12	20522474	20522792	319	+	MACS_peak_2283	92.38
## 973	chr12	21590520	21590767	248	+	MACS_peak_2284	106.75
## 974	chr12	21654768	21654978	211	+	MACS_peak_2286	140.54
## 975	chr12	22199196	22199323	128	+	MACS_peak_2289	260.46
## 976	chr12	22697585	22697682	98	+	MACS_peak_2290	588.75
## 977	chr12	24716181	24716598	418	+	MACS_peak_2292	292.10
## 978	chr12	25348156	25348336	181	+	MACS_peak_2293	190.59
## 979	chr12	26275371	26275623	253	+	MACS_peak_2300	91.14
## 980	chr12	26278531	26278725	195	+	MACS_peak_2301	128.81
## 981	chr12	26279369	26279715	347	+	MACS_peak_2302	152.12
## 982	chr12	26427539	26428000	462	+	MACS_peak_2303	170.58
## 983	chr12	26985495	26986048	554	+	MACS_peak_2305	393.42
## 984	chr12	26986265	26986428	164	+	MACS_peak_2306	134.63
## 985	chr12	27396884	27397161	278	+	MACS_peak_2310	415.73
## 986	chr12	27485743	27486028	286	+	MACS_peak_2311	197.90
## 987	chr12	27932756	27933165	410	+	MACS_peak_2313	83.13
## 988	chr12	28122939	28123179	241	+	MACS_peak_2315	255.89
## 989	chr12	30848820	30849035	216	+	MACS_peak_2316	349.69
## 990	chr12	30907362	30907863	502	+	MACS_peak_2317	97.28
## 991	chr12	31079488	31079908	421	+	MACS_peak_2318	141.17
## 992	chr12	31477260	31477534	275	+	MACS_peak_2321	122.90
## 993	chr12	31743759	31743976	218	+	MACS_peak_2322	381.84
## 994	chr12	32259580	32259782	203	+	MACS_peak_2324	94.25
## 995	chr12	32552290	32552776	487	+	MACS_peak_2326	135.23
## 996	chr12	39298656	39298874	219	+	MACS_peak_2330	114.80
## 997	chr12	39836881	39837411	531	+	MACS_peak_2331	197.51
## 998	chr12	42488198	42488314	117	+	MACS_peak_2338	211.28
## 999	chr12	42538310	42538466	157	+	MACS_peak_2339	108.27
## 1000	chr12	43945633	43946148	516	+	MACS_peak_2342	107.58
## 1001	chr12	44152703	44152953	251	+	MACS_peak_2343	467.93
## 1002	chr12	44199968	44200012	45	+	MACS_peak_2344	116.82
## 1003	chr12	44229608	44230083	476	+	MACS_peak_2345	419.88
## 1004	chr12	45270462	45270764	303	+	MACS_peak_2348	211.84
## 1005	chr12	45609170	45609352	183	+	MACS_peak_2350	133.04
## 1006	chr12	45609710	45610067	358	+	MACS_peak_2351	154.48
## 1007	chr12	46121472	46121616	145	+	MACS_peak_2355	251.02
## 1008	chr12	46384142	46384324	183	+	MACS_peak_2357	82.19
## 1009	chr12	46385668	46385882	215	+	MACS_peak_2358	345.51
## 1010	chr12	48099831	48099978	148	+	MACS_peak_2361	108.96
## 1011	chr12	48947557	48947743	187	+	MACS_peak_2366	122.39
## 1012	chr12	49110157	49111015	859	+	MACS_peak_2367	241.79
## 1013	chr12	49183056	49183178	123	+	MACS_peak_2368	81.68
## 1014	chr12	49365241	49365440	200	+	MACS_peak_2373	419.97
## 1015	chr12	49582692	49582897	206	+	MACS_peak_2377	303.38
## 1016	chr12	49658443	49659055	613	+	MACS_peak_2378	193.88
## 1017	chr12	49760412	49760569	158	+	MACS_peak_2381	107.44
## 1018	chr12	49761055	49761336	282	+	MACS_peak_2382	105.36

## 1019	chr12	49932739	49932939	201	+	MACS_peak_2385	674.56
## 1020	chr12	50101276	50101356	81	+	MACS_peak_2387	307.93
## 1021	chr12	50135637	50135813	177	+	MACS_peak_2388	81.03
## 1022	chr12	50561169	50561332	164	+	MACS_peak_2392	125.55
## 1023	chr12	51611638	51611757	120	+	MACS_peak_2398	103.37
## 1024	chr12	51663922	51664638	717	+	MACS_peak_2399	495.60
## 1025	chr12	51785173	51785515	343	+	MACS_peak_2400	91.62
## 1026	chr12	53311644	53312141	498	+	MACS_peak_2406	367.92
## 1027	chr12	53443765	53443959	195	+	MACS_peak_2409	232.00
## 1028	chr12	53764753	53765103	351	+	MACS_peak_2415	173.33
## 1029	chr12	53773998	53774287	290	+	MACS_peak_2416	205.51
## 1030	chr12	53885710	53886233	524	+	MACS_peak_2419	192.67
## 1031	chr12	53886829	53887028	200	+	MACS_peak_2420	137.39
## 1032	chr12	54427034	54427395	362	+	MACS_peak_2424	81.49
## 1033	chr12	54610777	54610898	122	+	MACS_peak_2427	165.96
## 1034	chr12	54673255	54673563	309	+	MACS_peak_2428	147.83
## 1035	chr12	54764033	54764358	326	+	MACS_peak_2429	241.09
## 1036	chr12	54812733	54813150	418	+	MACS_peak_2430	124.01
## 1037	chr12	56039973	56040284	312	+	MACS_peak_2432	140.23
## 1038	chr12	56137315	56137544	230	+	MACS_peak_2435	189.13
## 1039	chr12	56320804	56320875	72	+	MACS_peak_2436	88.51
## 1040	chr12	56367152	56367315	164	+	MACS_peak_2438	191.03
## 1041	chr12	56498082	56498203	122	+	MACS_peak_2441	98.26
## 1042	chr12	56512038	56512465	428	+	MACS_peak_2444	148.76
## 1043	chr12	56583461	56583658	198	+	MACS_peak_2446	448.07
## 1044	chr12	56693703	56693865	163	+	MACS_peak_2449	190.80
## 1045	chr12	57081821	57082024	204	+	MACS_peak_2454	430.56
## 1046	chr12	57083232	57083434	203	+	MACS_peak_2455	101.16
## 1047	chr12	57119082	57119201	120	+	MACS_peak_2456	88.51
## 1048	chr12	57472063	57472231	169	+	MACS_peak_2459	90.36
## 1049	chr12	57824412	57824950	539	+	MACS_peak_2462	209.81
## 1050	chr12	57848532	57848782	251	+	MACS_peak_2463	242.57
## 1051	chr12	58026870	58026998	129	+	MACS_peak_2467	108.70
## 1052	chr12	58088168	58088291	124	+	MACS_peak_2468	113.17
## 1053	chr12	58335246	58335574	329	+	MACS_peak_2470	144.97
## 1054	chr12	59313958	59314297	340	+	MACS_peak_2472	85.52
## 1055	chr12	62860643	62860905	263	+	MACS_peak_2474	129.90
## 1056	chr12	62996924	62997345	422	+	MACS_peak_2475	119.09
## 1057	chr12	65563597	65564097	501	+	MACS_peak_2485	222.62
## 1058	chr12	66218646	66219017	372	+	MACS_peak_2487	503.85
## 1059	chr12	66563379	66563884	506	+	MACS_peak_2490	189.95
## 1060	chr12	66696504	66696643	140	+	MACS_peak_2491	135.86
## 1061	chr12	67439881	67440055	175	+	MACS_peak_2494	163.08
## 1062	chr12	67662987	67663431	445	+	MACS_peak_2495	127.08
## 1063	chr12	68041792	68042287	496	+	MACS_peak_2496	156.77
## 1064	chr12	68042633	68042834	202	+	MACS_peak_2497	155.76
## 1065	chr12	69550891	69551152	262	+	MACS_peak_2505	100.18
## 1066	chr12	69633609	69633910	302	+	MACS_peak_2506	185.80
## 1067	chr12	70082946	70083143	198	+	MACS_peak_2508	130.43
## 1068	chr12	70636934	70637132	199	+	MACS_peak_2511	122.92
## 1069	chr12	72665454	72665887	434	+	MACS_peak_2516	136.19
## 1070	chr12	75784883	75785227	345	+	MACS_peak_2520	99.41
## 1071	chr12	76425609	76425805	197	+	MACS_peak_2522	192.24
## 1072	chr12	76741890	76742216	327	+	MACS_peak_2523	141.09

## 1073	chr12	77157645	77158202	558	+	MACS_peak_2528	273.57
## 1074	chr12	77272695	77272862	168	+	MACS_peak_2529	259.57
## 1075	chr12	77411808	77411945	138	+	MACS_peak_2531	357.74
## 1076	chr12	77459534	77459832	299	+	MACS_peak_2532	465.47
## 1077	chr12	80083368	80083956	589	+	MACS_peak_2536	217.04
## 1078	chr12	80328481	80329197	717	+	MACS_peak_2540	579.65
## 1079	chr12	88429190	88429457	268	+	MACS_peak_2549	433.17
## 1080	chr12	88974135	88974359	225	+	MACS_peak_2551	392.03
## 1081	chr12	89746507	89746600	94	+	MACS_peak_2552	87.00
## 1082	chr12	90102216	90102760	545	+	MACS_peak_2553	125.29
## 1083	chr12	92539932	92540136	205	+	MACS_peak_2557	470.58
## 1084	chr12	93771692	93772212	521	+	MACS_peak_2559	280.95
## 1085	chr12	93964758	93965094	337	+	MACS_peak_2564	168.17
## 1086	chr12	95397347	95397551	205	+	MACS_peak_2572	163.20
## 1087	chr12	95941820	95942168	349	+	MACS_peak_2574	167.64
## 1088	chr12	96184041	96184217	177	+	MACS_peak_2575	104.48
## 1089	chr12	96793570	96794154	585	+	MACS_peak_2579	102.74
## 1090	chr12	98791066	98791277	212	+	MACS_peak_2580	153.97
## 1091	chr12	98897145	98897225	81	+	MACS_peak_2581	145.24
## 1092	chr12	98908889	98909179	291	+	MACS_peak_2582	185.60
## 1093	chr12	98910089	98910257	169	+	MACS_peak_2583	128.05
## 1094	chr12	99038377	99038797	421	+	MACS_peak_2584	321.84
## 1095	chr12	102271102	102271548	447	+	MACS_peak_2590	122.45
## 1096	chr12	104234692	104235016	325	+	MACS_peak_2591	102.94
## 1097	chr12	104458526	104458747	222	+	MACS_peak_2594	114.28
## 1098	chr12	104850769	104851202	434	+	MACS_peak_2600	145.99
## 1099	chr12	105351826	105352413	588	+	MACS_peak_2602	242.70
## 1100	chr12	105724668	105724843	176	+	MACS_peak_2604	112.57
## 1101	chr12	109085451	109085560	110	+	MACS_peak_2614	120.27
## 1102	chr12	109125066	109125364	299	+	MACS_peak_2616	149.74
## 1103	chr12	109458676	109458907	232	+	MACS_peak_2619	805.23
## 1104	chr12	110561700	110561923	224	+	MACS_peak_2625	81.07
## 1105	chr12	110718638	110718868	231	+	MACS_peak_2626	104.71
## 1106	chr12	110887567	110888016	450	+	MACS_peak_2629	138.92
## 1107	chr12	111020636	111021000	365	+	MACS_peak_2633	82.07
## 1108	chr12	111051701	111051910	210	+	MACS_peak_2634	99.79
## 1109	chr12	111180225	111180391	167	+	MACS_peak_2635	93.44
## 1110	chr12	112037237	112037389	153	+	MACS_peak_2637	139.01
## 1111	chr12	112123294	112123752	459	+	MACS_peak_2638	83.83
## 1112	chr12	112279887	112280173	287	+	MACS_peak_2639	126.32
## 1113	chr12	112451326	112451653	328	+	MACS_peak_2641	95.49
## 1114	chr12	116355011	116355152	142	+	MACS_peak_2650	127.27
## 1115	chr12	116715340	116715821	482	+	MACS_peak_2653	109.86
## 1116	chr12	116835084	116835279	196	+	MACS_peak_2654	264.09
## 1117	chr12	116893606	116893799	194	+	MACS_peak_2655	599.32
## 1118	chr12	116940094	116940441	348	+	MACS_peak_2656	102.87
## 1119	chr12	117150519	117150842	324	+	MACS_peak_2660	119.30
## 1120	chr12	117155362	117155607	246	+	MACS_peak_2661	204.77
## 1121	chr12	117176222	117176350	129	+	MACS_peak_2662	90.75
## 1122	chr12	118292311	118292566	256	+	MACS_peak_2663	94.31
## 1123	chr12	118541795	118542063	269	+	MACS_peak_2665	125.78
## 1124	chr12	118574425	118574651	227	+	MACS_peak_2666	82.89
## 1125	chr12	120105734	120105823	90	+	MACS_peak_2672	188.35
## 1126	chr12	120427110	120427488	379	+	MACS_peak_2674	91.54

## 1127	chr12	120525205	120525350	146	+	MACS_peak_2676	174.26
## 1128	chr12	120638764	120638922	159	+	MACS_peak_2677	110.12
## 1129	chr12	120669316	120669449	134	+	MACS_peak_2679	101.41
## 1130	chr12	120755141	120755396	256	+	MACS_peak_2680	235.44
## 1131	chr12	120884010	120884420	411	+	MACS_peak_2683	266.69
## 1132	chr12	121022252	121022721	470	+	MACS_peak_2686	97.18
## 1133	chr12	121124628	121124770	143	+	MACS_peak_2687	119.50
## 1134	chr12	121341195	121341849	655	+	MACS_peak_2690	220.92
## 1135	chr12	121342058	121342164	107	+	MACS_peak_2691	122.80
## 1136	chr12	121789302	121789435	134	+	MACS_peak_2693	154.96
## 1137	chr12	121837867	121838150	284	+	MACS_peak_2694	94.58
## 1138	chr12	122064585	122064824	240	+	MACS_peak_2697	219.40
## 1139	chr12	122238095	122238519	425	+	MACS_peak_2699	111.31
## 1140	chr12	122241575	122241858	284	+	MACS_peak_2701	100.61
## 1141	chr12	122326696	122327004	309	+	MACS_peak_2702	106.66
## 1142	chr12	122516221	122516650	430	+	MACS_peak_2704	88.68
## 1143	chr12	122710848	122711155	308	+	MACS_peak_2706	154.81
## 1144	chr12	122904936	122905134	199	+	MACS_peak_2709	99.36
## 1145	chr12	123459703	123459926	224	+	MACS_peak_2716	161.98
## 1146	chr12	123464984	123465425	442	+	MACS_peak_2717	109.80
## 1147	chr12	123465791	123466415	625	+	MACS_peak_2718	95.23
## 1148	chr12	123736936	123737009	74	+	MACS_peak_2719	105.85
## 1149	chr12	123853438	123853796	359	+	MACS_peak_2720	163.23
## 1150	chr12	123873978	123874128	151	+	MACS_peak_2722	95.81
## 1151	chr12	124018838	124019187	350	+	MACS_peak_2725	85.73
## 1152	chr12	124197609	124197805	197	+	MACS_peak_2727	102.87
## 1153	chr12	125003286	125003421	136	+	MACS_peak_2730	253.74
## 1154	chr12	125205081	125205404	324	+	MACS_peak_2732	282.69
## 1155	chr12	125219027	125219135	109	+	MACS_peak_2733	129.32
## 1156	chr12	125225416	125225578	163	+	MACS_peak_2734	88.82
## 1157	chr12	125322801	125323163	363	+	MACS_peak_2735	259.04
## 1158	chr12	125424408	125424519	112	+	MACS_peak_2736	279.55
## 1159	chr12	125836339	125836461	123	+	MACS_peak_2738	170.40
## 1160	chr12	129442035	129442271	237	+	MACS_peak_2742	179.60
## 1161	chr12	132069547	132069856	310	+	MACS_peak_2746	125.14
## 1162	chr12	132434324	132434760	437	+	MACS_peak_2749	152.39
## 1163	chr12	133263693	133264064	372	+	MACS_peak_2750	105.18
## 1164	chr12	133286956	133287650	695	+	MACS_peak_2751	116.60
## 1165	chr12	133308693	133310030	1338	+	MACS_peak_2752	1021.34
## 1166	chr12	133338317	133338939	623	+	MACS_peak_2753	450.62
## 1167	chr12	133405499	133406100	602	+	MACS_peak_2754	217.36
## 1168	chr12	133485352	133485561	210	+	MACS_peak_2755	342.34
## 1169	chr12	133707044	133707576	533	+	MACS_peak_2758	322.24
## 1170	chr13	20766303	20766554	252	+	MACS_peak_2766	89.81
## 1171	chr13	21141324	21141544	221	+	MACS_peak_2767	100.37
## 1172	chr13	21750548	21750967	420	+	MACS_peak_2769	213.24
## 1173	chr13	24040465	24040745	281	+	MACS_peak_2772	171.77
## 1174	chr13	25621254	25621479	226	+	MACS_peak_2773	270.90
## 1175	chr13	27623031	27623271	241	+	MACS_peak_2781	124.05
## 1176	chr13	27699700	27700108	409	+	MACS_peak_2782	331.39
## 1177	chr13	27844686	27845049	364	+	MACS_peak_2784	220.04
## 1178	chr13	28194518	28195224	707	+	MACS_peak_2787	131.58
## 1179	chr13	28366630	28367225	596	+	MACS_peak_2788	110.62
## 1180	chr13	28404204	28404419	216	+	MACS_peak_2789	139.94

## 1181	chr13	28713225	28713530	306	+	MACS_peak_2791	115.95
## 1182	chr13	29161418	29161730	313	+	MACS_peak_2793	171.65
## 1183	chr13	29292837	29293027	191	+	MACS_peak_2794	620.20
## 1184	chr13	30002449	30002584	136	+	MACS_peak_2796	127.08
## 1185	chr13	30995733	30995803	71	+	MACS_peak_2802	141.36
## 1186	chr13	31248265	31248467	203	+	MACS_peak_2805	103.59
## 1187	chr13	31735832	31736197	366	+	MACS_peak_2806	111.38
## 1188	chr13	31773904	31774224	321	+	MACS_peak_2807	89.27
## 1189	chr13	31783496	31783745	250	+	MACS_peak_2808	276.54
## 1190	chr13	31876783	31876979	197	+	MACS_peak_2809	83.92
## 1191	chr13	32420535	32420737	203	+	MACS_peak_2810	211.30
## 1192	chr13	32421020	32421265	246	+	MACS_peak_2811	96.49
## 1193	chr13	32605297	32605420	124	+	MACS_peak_2813	184.03
## 1194	chr13	36705251	36705485	235	+	MACS_peak_2821	84.08
## 1195	chr13	36982340	36982566	227	+	MACS_peak_2823	127.54
## 1196	chr13	41238445	41238751	307	+	MACS_peak_2829	94.35
## 1197	chr13	41239280	41239504	225	+	MACS_peak_2830	101.83
## 1198	chr13	41363538	41363815	278	+	MACS_peak_2831	204.73
## 1199	chr13	41885411	41885935	525	+	MACS_peak_2840	136.40
## 1200	chr13	42031293	42031550	258	+	MACS_peak_2841	120.89
## 1201	chr13	42535149	42535387	239	+	MACS_peak_2843	118.70
## 1202	chr13	45010911	45011256	346	+	MACS_peak_2850	214.97
## 1203	chr13	45899977	45900256	280	+	MACS_peak_2856	183.24
## 1204	chr13	47371215	47371431	217	+	MACS_peak_2859	105.48
## 1205	chr13	48806990	48807643	654	+	MACS_peak_2860	163.01
## 1206	chr13	49301385	49301478	94	+	MACS_peak_2861	277.14
## 1207	chr13	50159363	50159630	268	+	MACS_peak_2864	81.10
## 1208	chr13	50511134	50511437	304	+	MACS_peak_2867	94.54
## 1209	chr13	50570660	50571002	343	+	MACS_peak_2868	172.02
## 1210	chr13	50699706	50700288	583	+	MACS_peak_2871	213.37
## 1211	chr13	50928012	50928193	182	+	MACS_peak_2874	117.99
## 1212	chr13	51484620	51484905	286	+	MACS_peak_2879	115.83
## 1213	chr13	52027065	52027224	160	+	MACS_peak_2881	238.14
## 1214	chr13	52158546	52158675	130	+	MACS_peak_2883	83.54
## 1215	chr13	52159030	52159211	182	+	MACS_peak_2884	351.42
## 1216	chr13	52585525	52585711	187	+	MACS_peak_2885	117.07
## 1217	chr13	53024326	53024832	507	+	MACS_peak_2888	389.82
## 1218	chr13	53029656	53029930	275	+	MACS_peak_2889	104.60
## 1219	chr13	53174434	53174653	220	+	MACS_peak_2891	131.08
## 1220	chr13	53420417	53420805	389	+	MACS_peak_2892	127.75
## 1221	chr13	53424860	53425218	359	+	MACS_peak_2893	108.34
## 1222	chr13	60970534	60970750	217	+	MACS_peak_2897	103.93
## 1223	chr13	67404405	67404507	103	+	MACS_peak_2902	126.48
## 1224	chr13	67804749	67805458	710	+	MACS_peak_2904	910.58
## 1225	chr13	70736402	70736525	124	+	MACS_peak_2908	85.32
## 1226	chr13	72371660	72372006	347	+	MACS_peak_2912	88.10
## 1227	chr13	72438730	72440934	2205	+	MACS_peak_2913	407.15
## 1228	chr13	73356153	73356631	479	+	MACS_peak_2916	90.26
## 1229	chr13	73632730	73632969	240	+	MACS_peak_2919	112.82
## 1230	chr13	73633246	73633571	326	+	MACS_peak_2920	84.72
## 1231	chr13	73664649	73664865	217	+	MACS_peak_2921	109.27
## 1232	chr13	74708420	74709559	1140	+	MACS_peak_2924	967.50
## 1233	chr13	75292172	75292481	310	+	MACS_peak_2928	376.64
## 1234	chr13	76055508	76056682	1175	+	MACS_peak_2931	521.24

## 1235	chr13	76111693	76112498	806	+	MACS_peak_2933	90.19
## 1236	chr13	76123727	76124310	584	+	MACS_peak_2934	112.90
## 1237	chr13	76209740	76210457	718	+	MACS_peak_2935	1635.86
## 1238	chr13	77459639	77461330	1692	+	MACS_peak_2938	456.89
## 1239	chr13	77600437	77600809	373	+	MACS_peak_2939	96.48
## 1240	chr13	78271560	78272676	1117	+	MACS_peak_2941	108.74
## 1241	chr13	79177589	79177739	151	+	MACS_peak_2943	276.00
## 1242	chr13	79965651	79965868	218	+	MACS_peak_2947	96.58
## 1243	chr13	80055355	80055762	408	+	MACS_peak_2948	226.84
## 1244	chr13	80622956	80623161	206	+	MACS_peak_2950	290.01
## 1245	chr13	80916788	80917503	716	+	MACS_peak_2952	89.82
## 1246	chr13	85440205	85440314	110	+	MACS_peak_2957	122.93
## 1247	chr13	87776443	87776599	157	+	MACS_peak_2961	95.81
## 1248	chr13	87824880	87824961	82	+	MACS_peak_2962	102.03
## 1249	chr13	88323548	88323768	221	+	MACS_peak_2963	274.56
## 1250	chr13	88326671	88326968	298	+	MACS_peak_2964	148.17
## 1251	chr13	91999516	91999732	217	+	MACS_peak_2968	847.88
## 1252	chr13	92050888	92051430	543	+	MACS_peak_2970	127.26
## 1253	chr13	93326721	93326880	160	+	MACS_peak_2972	141.66
## 1254	chr13	93879462	93880960	1499	+	MACS_peak_2974	205.48
## 1255	chr13	95364879	95365519	641	+	MACS_peak_2980	109.86
## 1256	chr13	95863779	95863982	204	+	MACS_peak_2982	719.48
## 1257	chr13	95953573	95953942	370	+	MACS_peak_2983	129.69
## 1258	chr13	96348025	96348161	137	+	MACS_peak_2986	205.12
## 1259	chr13	96743213	96743791	579	+	MACS_peak_2989	1537.94
## 1260	chr13	98398637	98398746	110	+	MACS_peak_2998	216.67
## 1261	chr13	99681309	99681510	202	+	MACS_peak_3002	155.60
## 1262	chr13	99852880	99853146	267	+	MACS_peak_3003	81.39
## 1263	chr13	100623158	100623817	660	+	MACS_peak_3006	80.85
## 1264	chr13	101044433	101044601	169	+	MACS_peak_3009	170.67
## 1265	chr13	101240578	101240840	263	+	MACS_peak_3011	101.33
## 1266	chr13	102813937	102814069	133	+	MACS_peak_3012	176.55
## 1267	chr13	103046986	103047161	176	+	MACS_peak_3013	132.73
## 1268	chr13	107187859	107187998	140	+	MACS_peak_3016	257.37
## 1269	chr13	111806058	111806421	364	+	MACS_peak_3024	216.65
## 1270	chr13	113260676	113260898	223	+	MACS_peak_3026	121.77
## 1271	chr13	114566178	114566556	379	+	MACS_peak_3033	202.01
## 1272	chr13	114830735	114831001	267	+	MACS_peak_3034	145.31
## 1273	chr13	115079716	115080256	541	+	MACS_peak_3035	197.47
## 1274	chr14	19649950	19650138	189	+	MACS_peak_3038	240.13
## 1275	chr14	19925193	19925335	143	+	MACS_peak_3039	169.46
## 1276	chr14	20881456	20881696	241	+	MACS_peak_3043	349.22
## 1277	chr14	21150837	21150945	109	+	MACS_peak_3046	84.63
## 1278	chr14	21439245	21439648	404	+	MACS_peak_3047	243.92
## 1279	chr14	21455228	21455330	103	+	MACS_peak_3049	135.72
## 1280	chr14	21905528	21905796	269	+	MACS_peak_3055	206.89
## 1281	chr14	23290408	23290699	292	+	MACS_peak_3059	125.07
## 1282	chr14	23425985	23426340	356	+	MACS_peak_3063	117.06
## 1283	chr14	23475885	23476148	264	+	MACS_peak_3064	92.16
## 1284	chr14	23652813	23652991	179	+	MACS_peak_3066	137.74
## 1285	chr14	23770803	23771082	280	+	MACS_peak_3067	232.32
## 1286	chr14	23790065	23790468	404	+	MACS_peak_3069	213.46
## 1287	chr14	24020679	24020962	284	+	MACS_peak_3071	179.88
## 1288	chr14	24505587	24505723	137	+	MACS_peak_3073	114.69

## 1289	chr14	24559788	24559880	93	+	MACS_peak_3074	85.78
## 1290	chr14	24563485	24563589	105	+	MACS_peak_3075	119.09
## 1291	chr14	24564733	24564882	150	+	MACS_peak_3076	86.26
## 1292	chr14	24610473	24610930	458	+	MACS_peak_3079	83.83
## 1293	chr14	24685065	24685225	161	+	MACS_peak_3080	111.65
## 1294	chr14	24835607	24836014	408	+	MACS_peak_3082	200.93
## 1295	chr14	29243525	29243796	272	+	MACS_peak_3086	158.72
## 1296	chr14	31159709	31159901	193	+	MACS_peak_3088	172.91
## 1297	chr14	31676796	31676996	201	+	MACS_peak_3090	91.00
## 1298	chr14	33404239	33404588	350	+	MACS_peak_3100	148.66
## 1299	chr14	33408928	33409114	187	+	MACS_peak_3102	109.24
## 1300	chr14	35014632	35014894	263	+	MACS_peak_3109	80.24
## 1301	chr14	35026581	35027005	425	+	MACS_peak_3110	130.64
## 1302	chr14	35342853	35343229	377	+	MACS_peak_3113	333.21
## 1303	chr14	35344140	35344520	381	+	MACS_peak_3114	531.23
## 1304	chr14	35450611	35450679	69	+	MACS_peak_3115	107.33
## 1305	chr14	35451535	35451740	206	+	MACS_peak_3116	160.08
## 1306	chr14	35515515	35515826	312	+	MACS_peak_3117	86.21
## 1307	chr14	36002776	36003213	438	+	MACS_peak_3123	176.26
## 1308	chr14	36003779	36004096	318	+	MACS_peak_3124	166.28
## 1309	chr14	36295645	36295768	124	+	MACS_peak_3127	423.03
## 1310	chr14	38064202	38064384	183	+	MACS_peak_3132	296.32
## 1311	chr14	39736129	39736376	248	+	MACS_peak_3134	166.15
## 1312	chr14	39902105	39902377	273	+	MACS_peak_3135	127.08
## 1313	chr14	48143550	48144224	675	+	MACS_peak_3143	410.81
## 1314	chr14	50052920	50053176	257	+	MACS_peak_3148	109.30
## 1315	chr14	50087569	50087930	362	+	MACS_peak_3150	271.40
## 1316	chr14	50101164	50101432	269	+	MACS_peak_3151	91.38
## 1317	chr14	50234903	50235049	147	+	MACS_peak_3153	184.34
## 1318	chr14	50334729	50335072	344	+	MACS_peak_3154	98.17
## 1319	chr14	50998815	50999053	239	+	MACS_peak_3156	141.26
## 1320	chr14	51027095	51027441	347	+	MACS_peak_3157	128.39
## 1321	chr14	51296832	51297142	311	+	MACS_peak_3159	160.77
## 1322	chr14	51410793	51411639	847	+	MACS_peak_3162	256.83
## 1323	chr14	51562278	51562428	151	+	MACS_peak_3164	590.05
## 1324	chr14	52456049	52456354	306	+	MACS_peak_3169	139.26
## 1325	chr14	52535475	52535617	143	+	MACS_peak_3171	649.36
## 1326	chr14	52780712	52781063	352	+	MACS_peak_3173	479.80
## 1327	chr14	53018936	53019232	297	+	MACS_peak_3174	99.04
## 1328	chr14	53020068	53020415	348	+	MACS_peak_3175	129.95
## 1329	chr14	53162188	53162564	377	+	MACS_peak_3177	87.83
## 1330	chr14	53197117	53197476	360	+	MACS_peak_3178	101.60
## 1331	chr14	55239956	55240118	163	+	MACS_peak_3188	169.37
## 1332	chr14	55518117	55518661	545	+	MACS_peak_3192	197.35
## 1333	chr14	55701342	55701711	370	+	MACS_peak_3194	946.34
## 1334	chr14	56066170	56066409	240	+	MACS_peak_3196	483.22
## 1335	chr14	58893501	58893689	189	+	MACS_peak_3208	138.61
## 1336	chr14	59104452	59104627	176	+	MACS_peak_3209	81.39
## 1337	chr14	60337271	60337598	328	+	MACS_peak_3218	461.51
## 1338	chr14	60558742	60558857	116	+	MACS_peak_3219	147.45
## 1339	chr14	60631777	60632055	279	+	MACS_peak_3220	259.58
## 1340	chr14	61115368	61115612	245	+	MACS_peak_3223	103.12
## 1341	chr14	61447831	61448215	385	+	MACS_peak_3225	397.75
## 1342	chr14	61577983	61578191	209	+	MACS_peak_3226	160.56

## 1343	chr14	61788225	61788583	359	+	MACS_peak_3227	176.70
## 1344	chr14	64010251	64010448	198	+	MACS_peak_3233	2376.01
## 1345	chr14	64194860	64195149	290	+	MACS_peak_3234	131.36
## 1346	chr14	64805086	64805335	250	+	MACS_peak_3237	95.87
## 1347	chr14	64931951	64932172	222	+	MACS_peak_3240	1355.49
## 1348	chr14	65172951	65173122	172	+	MACS_peak_3243	118.72
## 1349	chr14	65345677	65345815	139	+	MACS_peak_3244	133.24
## 1350	chr14	65438955	65439146	192	+	MACS_peak_3245	109.84
## 1351	chr14	65453467	65453668	202	+	MACS_peak_3246	141.50
## 1352	chr14	66974219	66974502	284	+	MACS_peak_3252	350.89
## 1353	chr14	67708044	67708534	491	+	MACS_peak_3255	133.52
## 1354	chr14	67826169	67826280	112	+	MACS_peak_3257	131.17
## 1355	chr14	67826704	67827278	575	+	MACS_peak_3258	161.55
## 1356	chr14	67880859	67881257	399	+	MACS_peak_3259	153.58
## 1357	chr14	67999651	67999938	288	+	MACS_peak_3260	142.69
## 1358	chr14	68813535	68813821	287	+	MACS_peak_3262	566.88
## 1359	chr14	69283023	69283522	500	+	MACS_peak_3265	138.59
## 1360	chr14	69505009	69505203	195	+	MACS_peak_3269	122.78
## 1361	chr14	69619860	69620248	389	+	MACS_peak_3270	175.18
## 1362	chr14	69726551	69726771	221	+	MACS_peak_3271	100.22
## 1363	chr14	69727621	69728095	475	+	MACS_peak_3272	115.15
## 1364	chr14	69906484	69906786	303	+	MACS_peak_3274	104.18
## 1365	chr14	70038824	70039274	451	+	MACS_peak_3275	504.31
## 1366	chr14	70078189	70078729	541	+	MACS_peak_3277	243.56
## 1367	chr14	70346421	70346901	481	+	MACS_peak_3282	143.30
## 1368	chr14	71108678	71108977	300	+	MACS_peak_3284	147.92
## 1369	chr14	71288792	71288958	167	+	MACS_peak_3286	94.15
## 1370	chr14	72009035	72009279	245	+	MACS_peak_3287	211.22
## 1371	chr14	73360018	73360323	306	+	MACS_peak_3292	81.83
## 1372	chr14	73493632	73493848	217	+	MACS_peak_3293	114.92
## 1373	chr14	73603201	73603387	187	+	MACS_peak_3295	106.75
## 1374	chr14	73604152	73604527	376	+	MACS_peak_3297	152.37
## 1375	chr14	74036121	74036710	590	+	MACS_peak_3299	253.65
## 1376	chr14	74079376	74079632	257	+	MACS_peak_3300	202.49
## 1377	chr14	74485671	74485995	325	+	MACS_peak_3303	199.81
## 1378	chr14	74724415	74724922	508	+	MACS_peak_3304	291.18
## 1379	chr14	75371918	75372177	260	+	MACS_peak_3308	609.83
## 1380	chr14	75593591	75593756	166	+	MACS_peak_3312	451.50
## 1381	chr14	75743934	75744486	553	+	MACS_peak_3313	126.78
## 1382	chr14	75745588	75745745	158	+	MACS_peak_3314	236.64
## 1383	chr14	77563973	77564226	254	+	MACS_peak_3322	172.91
## 1384	chr14	77607694	77608188	495	+	MACS_peak_3324	247.50
## 1385	chr14	77787757	77787991	235	+	MACS_peak_3327	143.33
## 1386	chr14	77842927	77843267	341	+	MACS_peak_3328	451.67
## 1387	chr14	78266402	78266515	114	+	MACS_peak_3332	201.04
## 1388	chr14	79745715	79745834	120	+	MACS_peak_3333	272.35
## 1389	chr14	79746406	79746659	254	+	MACS_peak_3334	132.09
## 1390	chr14	81687804	81687927	124	+	MACS_peak_3336	159.86
## 1391	chr14	88789810	88789995	186	+	MACS_peak_3340	80.16
## 1392	chr14	89017727	89017898	172	+	MACS_peak_3342	84.08
## 1393	chr14	90420840	90421190	351	+	MACS_peak_3348	143.77
## 1394	chr14	90422223	90422569	347	+	MACS_peak_3349	133.17
## 1395	chr14	90863906	90864292	387	+	MACS_peak_3351	223.33
## 1396	chr14	92587883	92588020	138	+	MACS_peak_3355	111.68

## 1397	chr14	92588572	92588740	169	+	MACS_peak_3356	154.70
## 1398	chr14	93389815	93390070	256	+	MACS_peak_3358	100.24
## 1399	chr14	93581401	93581936	536	+	MACS_peak_3359	159.38
## 1400	chr14	93673320	93673730	411	+	MACS_peak_3360	128.35
## 1401	chr14	94811762	94812094	333	+	MACS_peak_3365	134.25
## 1402	chr14	96968673	96968914	242	+	MACS_peak_3372	99.11
## 1403	chr14	99740874	99741116	243	+	MACS_peak_3376	146.94
## 1404	chr14	100680571	100680796	226	+	MACS_peak_3385	204.99
## 1405	chr14	100704723	100704997	275	+	MACS_peak_3387	419.97
## 1406	chr14	100705297	100705431	135	+	MACS_peak_3388	131.42
## 1407	chr14	102438789	102438919	131	+	MACS_peak_3394	139.43
## 1408	chr14	102552956	102553409	454	+	MACS_peak_3395	190.90
## 1409	chr14	102605420	102605938	519	+	MACS_peak_3396	559.81
## 1410	chr14	102606283	102606868	586	+	MACS_peak_3397	83.75
## 1411	chr14	102783187	102783360	174	+	MACS_peak_3398	824.54
## 1412	chr14	102990938	102991062	125	+	MACS_peak_3399	106.47
## 1413	chr14	103058955	103059255	301	+	MACS_peak_3400	347.70
## 1414	chr14	103987181	103987648	468	+	MACS_peak_3408	89.54
## 1415	chr14	103988598	103988938	341	+	MACS_peak_3409	88.71
## 1416	chr14	104267905	104268066	162	+	MACS_peak_3412	112.74
## 1417	chr14	104367492	104367661	170	+	MACS_peak_3413	279.90
## 1418	chr14	104376637	104376857	221	+	MACS_peak_3414	160.53
## 1419	chr14	105070762	105071043	282	+	MACS_peak_3419	158.33
## 1420	chr14	105336730	105336986	257	+	MACS_peak_3423	102.55
## 1421	chr14	105399713	105399852	140	+	MACS_peak_3424	104.89
## 1422	chr14	105487140	105487440	301	+	MACS_peak_3425	231.14
## 1423	chr14	105956883	105957029	147	+	MACS_peak_3430	141.79
## 1424	chr15	23085704	23085958	255	+	MACS_peak_3434	152.55
## 1425	chr15	23086717	23086855	139	+	MACS_peak_3435	160.53
## 1426	chr15	23157204	23157545	342	+	MACS_peak_3437	195.88
## 1427	chr15	28982730	28983350	621	+	MACS_peak_3441	211.03
## 1428	chr15	34875905	34876186	282	+	MACS_peak_3462	338.03
## 1429	chr15	38544541	38545066	526	+	MACS_peak_3471	92.16
## 1430	chr15	40238493	40238716	224	+	MACS_peak_3472	156.93
## 1431	chr15	40987243	40987506	264	+	MACS_peak_3477	89.78
## 1432	chr15	41055573	41055979	407	+	MACS_peak_3478	227.49
## 1433	chr15	41056191	41056621	431	+	MACS_peak_3479	173.35
## 1434	chr15	41166277	41166429	153	+	MACS_peak_3481	85.45
## 1435	chr15	41234006	41234200	195	+	MACS_peak_3483	926.56
## 1436	chr15	41785635	41786080	446	+	MACS_peak_3485	240.57
## 1437	chr15	43940135	43940380	246	+	MACS_peak_3493	168.34
## 1438	chr15	44037245	44037346	102	+	MACS_peak_3494	255.93
## 1439	chr15	45410190	45410466	277	+	MACS_peak_3501	313.48
## 1440	chr15	45879680	45879912	233	+	MACS_peak_3505	368.95
## 1441	chr15	49338094	49338558	465	+	MACS_peak_3509	172.39
## 1442	chr15	49462320	49462543	224	+	MACS_peak_3510	139.94
## 1443	chr15	49688613	49688742	130	+	MACS_peak_3511	108.56
## 1444	chr15	51200330	51200614	285	+	MACS_peak_3515	182.01
## 1445	chr15	52029780	52030095	316	+	MACS_peak_3516	265.95
## 1446	chr15	52471735	52472195	461	+	MACS_peak_3517	123.72
## 1447	chr15	52861264	52861366	103	+	MACS_peak_3518	189.13
## 1448	chr15	55700571	55700701	131	+	MACS_peak_3520	548.70
## 1449	chr15	56285425	56285991	567	+	MACS_peak_3523	307.18
## 1450	chr15	56535655	56535872	218	+	MACS_peak_3525	564.95

## 1451	chr15	57210535	57210776	242	+	MACS_peak_3527	109.33
## 1452	chr15	58624264	58624699	436	+	MACS_peak_3528	248.03
## 1453	chr15	59225440	59225666	227	+	MACS_peak_3533	95.19
## 1454	chr15	59279875	59280002	128	+	MACS_peak_3535	120.86
## 1455	chr15	60296118	60296507	390	+	MACS_peak_3536	84.03
## 1456	chr15	60298610	60298786	177	+	MACS_peak_3537	210.42
## 1457	chr15	63797143	63797638	496	+	MACS_peak_3547	183.34
## 1458	chr15	63804303	63804692	390	+	MACS_peak_3548	157.14
## 1459	chr15	63893662	63893817	156	+	MACS_peak_3549	171.77
## 1460	chr15	65578567	65579222	656	+	MACS_peak_3558	214.98
## 1461	chr15	65809753	65809983	231	+	MACS_peak_3562	104.68
## 1462	chr15	66084840	66085053	214	+	MACS_peak_3567	122.87
## 1463	chr15	66116601	66116853	253	+	MACS_peak_3568	107.40
## 1464	chr15	66161762	66161940	179	+	MACS_peak_3569	387.36
## 1465	chr15	66478417	66478632	216	+	MACS_peak_3571	122.49
## 1466	chr15	66586343	66586630	288	+	MACS_peak_3573	479.43
## 1467	chr15	66679198	66679663	466	+	MACS_peak_3575	505.35
## 1468	chr15	66790044	66790374	331	+	MACS_peak_3576	89.25
## 1469	chr15	66995916	66996416	501	+	MACS_peak_3579	316.01
## 1470	chr15	67215055	67215285	231	+	MACS_peak_3581	1119.65
## 1471	chr15	67356517	67356713	197	+	MACS_peak_3582	108.12
## 1472	chr15	67357485	67358417	933	+	MACS_peak_3583	170.09
## 1473	chr15	67813781	67814037	257	+	MACS_peak_3587	2580.36
## 1474	chr15	67834774	67835136	363	+	MACS_peak_3588	97.42
## 1475	chr15	68075720	68075927	208	+	MACS_peak_3589	353.39
## 1476	chr15	68101163	68101402	240	+	MACS_peak_3590	122.80
## 1477	chr15	68132933	68133104	172	+	MACS_peak_3591	569.50
## 1478	chr15	68346825	68347368	544	+	MACS_peak_3592	311.90
## 1479	chr15	68520985	68521148	164	+	MACS_peak_3593	214.19
## 1480	chr15	68521660	68522157	498	+	MACS_peak_3594	81.76
## 1481	chr15	69452765	69453596	832	+	MACS_peak_3597	111.36
## 1482	chr15	69614925	69615329	405	+	MACS_peak_3599	147.01
## 1483	chr15	69706542	69707064	523	+	MACS_peak_3601	125.73
## 1484	chr15	69745157	69745395	239	+	MACS_peak_3603	144.11
## 1485	chr15	70800508	70800908	401	+	MACS_peak_3606	145.05
## 1486	chr15	71145888	71146236	349	+	MACS_peak_3611	119.37
## 1487	chr15	71149468	71149747	280	+	MACS_peak_3612	230.23
## 1488	chr15	72395710	72395972	263	+	MACS_peak_3618	2345.61
## 1489	chr15	72522241	72523722	1482	+	MACS_peak_3620	274.43
## 1490	chr15	72564390	72564838	449	+	MACS_peak_3621	80.44
## 1491	chr15	72766321	72766725	405	+	MACS_peak_3622	107.22
## 1492	chr15	72978352	72978483	132	+	MACS_peak_3625	178.04
## 1493	chr15	73076235	73076639	405	+	MACS_peak_3626	126.73
## 1494	chr15	73343883	73344498	616	+	MACS_peak_3628	417.13
## 1495	chr15	74284622	74284887	266	+	MACS_peak_3632	150.96
## 1496	chr15	74392337	74392575	239	+	MACS_peak_3634	284.38
## 1497	chr15	74832938	74833404	467	+	MACS_peak_3638	191.22
## 1498	chr15	75074422	75074660	239	+	MACS_peak_3640	331.51
## 1499	chr15	75166074	75166462	389	+	MACS_peak_3643	86.55
## 1500	chr15	75230074	75230417	344	+	MACS_peak_3644	92.09
## 1501	chr15	75249215	75249787	573	+	MACS_peak_3645	129.45
## 1502	chr15	75660350	75660858	509	+	MACS_peak_3651	251.23
## 1503	chr15	75743742	75743956	215	+	MACS_peak_3652	141.67
## 1504	chr15	75747013	75747485	473	+	MACS_peak_3653	82.43

## 1505	chr15	75748260	75748630	371	+	MACS_peak_3654	86.79
## 1506	chr15	75871023	75871780	758	+	MACS_peak_3655	201.51
## 1507	chr15	75917652	75918410	759	+	MACS_peak_3656	522.76
## 1508	chr15	75939924	75940137	214	+	MACS_peak_3658	120.63
## 1509	chr15	76135869	76136372	504	+	MACS_peak_3661	469.62
## 1510	chr15	76351573	76352051	479	+	MACS_peak_3662	97.03
## 1511	chr15	76603429	76604036	608	+	MACS_peak_3664	174.46
## 1512	chr15	76628709	76629097	389	+	MACS_peak_3665	165.71
## 1513	chr15	76630510	76630885	376	+	MACS_peak_3666	102.85
## 1514	chr15	77362897	77363164	268	+	MACS_peak_3669	82.44
## 1515	chr15	77711831	77712084	254	+	MACS_peak_3670	127.05
## 1516	chr15	77835667	77835836	170	+	MACS_peak_3671	154.42
## 1517	chr15	78441513	78442131	619	+	MACS_peak_3674	144.98
## 1518	chr15	78710674	78710853	180	+	MACS_peak_3675	172.61
## 1519	chr15	78912463	78913453	991	+	MACS_peak_3678	222.66
## 1520	chr15	79724007	79724457	451	+	MACS_peak_3682	292.15
## 1521	chr15	80215696	80216016	321	+	MACS_peak_3685	121.83
## 1522	chr15	81293112	81294007	896	+	MACS_peak_3690	1469.05
## 1523	chr15	81384528	81384707	180	+	MACS_peak_3691	285.52
## 1524	chr15	82337954	82338273	320	+	MACS_peak_3693	298.72
## 1525	chr15	82554775	82554846	72	+	MACS_peak_3695	84.74
## 1526	chr15	82824764	82825060	297	+	MACS_peak_3698	665.06
## 1527	chr15	82944720	82945028	309	+	MACS_peak_3699	91.92
## 1528	chr15	82945330	82945679	350	+	MACS_peak_3700	90.37
## 1529	chr15	83023862	83024490	629	+	MACS_peak_3701	98.54
## 1530	chr15	83182487	83182855	369	+	MACS_peak_3702	129.51
## 1531	chr15	83209120	83209296	177	+	MACS_peak_3703	617.00
## 1532	chr15	83378313	83379196	884	+	MACS_peak_3705	420.06
## 1533	chr15	83478614	83478960	347	+	MACS_peak_3707	302.32
## 1534	chr15	83680430	83680617	188	+	MACS_peak_3710	94.81
## 1535	chr15	83735529	83735882	354	+	MACS_peak_3711	177.18
## 1536	chr15	83876096	83876655	560	+	MACS_peak_3714	632.27
## 1537	chr15	83952149	83952449	301	+	MACS_peak_3715	114.96
## 1538	chr15	84052587	84052879	293	+	MACS_peak_3717	124.02
## 1539	chr15	84116202	84116749	548	+	MACS_peak_3719	96.89
## 1540	chr15	85113735	85114085	351	+	MACS_peak_3724	232.29
## 1541	chr15	85201281	85201804	524	+	MACS_peak_3726	302.41
## 1542	chr15	85524720	85525664	945	+	MACS_peak_3727	566.95
## 1543	chr15	85923830	85924232	403	+	MACS_peak_3729	2031.11
## 1544	chr15	89399520	89399946	427	+	MACS_peak_3737	138.59
## 1545	chr15	89584316	89584521	206	+	MACS_peak_3739	148.33
## 1546	chr15	89877772	89878088	317	+	MACS_peak_3741	241.25
## 1547	chr15	89905154	89905922	769	+	MACS_peak_3743	108.95
## 1548	chr15	90437083	90437328	246	+	MACS_peak_3746	112.45
## 1549	chr15	90645896	90646218	323	+	MACS_peak_3748	557.25
## 1550	chr15	90777516	90777576	61	+	MACS_peak_3751	101.77
## 1551	chr15	90808529	90808795	267	+	MACS_peak_3754	3233.06
## 1552	chr15	91379575	91379803	229	+	MACS_peak_3758	126.12
## 1553	chr15	91498464	91498887	424	+	MACS_peak_3763	230.00
## 1554	chr15	91537916	91538194	279	+	MACS_peak_3764	333.21
## 1555	chr15	91565472	91565888	417	+	MACS_peak_3765	196.64
## 1556	chr15	93198818	93199129	312	+	MACS_peak_3769	97.54
## 1557	chr15	93257775	93257999	225	+	MACS_peak_3770	973.07
## 1558	chr15	93354029	93354118	90	+	MACS_peak_3771	286.45

## 1559	chr15	93375043	93375397	355	+	MACS_peak_3772	137.47
## 1560	chr15	93615846	93616231	386	+	MACS_peak_3775	144.59
## 1561	chr15	95870080	95870176	97	+	MACS_peak_3782	117.16
## 1562	chr15	96873927	96874145	219	+	MACS_peak_3786	146.53
## 1563	chr15	99190529	99191002	474	+	MACS_peak_3792	107.50
## 1564	chr15	99322894	99323018	125	+	MACS_peak_3794	143.36
## 1565	chr15	99343902	99344076	175	+	MACS_peak_3795	131.11
## 1566	chr15	99366404	99366506	103	+	MACS_peak_3796	169.55
## 1567	chr15	100535886	100536208	323	+	MACS_peak_3806	255.40
## 1568	chr15	100882052	100882220	169	+	MACS_peak_3807	644.68
## 1569	chr15	102192364	102192671	308	+	MACS_peak_3817	94.27
## 1570	chr15	102501733	102501983	251	+	MACS_peak_3819	209.14
## 1571	chr16	204324	204488	165	+	MACS_peak_3822	141.49
## 1572	chr16	403141	403350	210	+	MACS_peak_3824	357.52
## 1573	chr16	431203	431740	538	+	MACS_peak_3825	188.60
## 1574	chr16	451431	451747	317	+	MACS_peak_3827	185.43
## 1575	chr16	475696	475887	192	+	MACS_peak_3828	139.11
## 1576	chr16	1031234	1031560	327	+	MACS_peak_3836	133.06
## 1577	chr16	1203523	1203846	324	+	MACS_peak_3840	97.26
## 1578	chr16	1358695	1359312	618	+	MACS_peak_3841	85.78
## 1579	chr16	1543137	1543295	159	+	MACS_peak_3846	111.22
## 1580	chr16	1821202	1821604	403	+	MACS_peak_3850	298.97
## 1581	chr16	1823194	1823642	449	+	MACS_peak_3851	90.52
## 1582	chr16	1992850	1993109	260	+	MACS_peak_3853	124.01
## 1583	chr16	2014768	2014906	139	+	MACS_peak_3855	165.14
## 1584	chr16	2205720	2205945	226	+	MACS_peak_3859	351.98
## 1585	chr16	2263979	2264359	381	+	MACS_peak_3860	151.00
## 1586	chr16	2273570	2273901	332	+	MACS_peak_3861	159.81
## 1587	chr16	2301664	2301865	202	+	MACS_peak_3862	220.61
## 1588	chr16	2318723	2318969	247	+	MACS_peak_3863	111.02
## 1589	chr16	2653326	2653549	224	+	MACS_peak_3867	199.43
## 1590	chr16	2723210	2723437	228	+	MACS_peak_3868	101.69
## 1591	chr16	2802641	2803122	482	+	MACS_peak_3870	99.18
## 1592	chr16	2826813	2826892	80	+	MACS_peak_3871	107.08
## 1593	chr16	3173967	3174243	277	+	MACS_peak_3875	209.72
## 1594	chr16	3209026	3209203	178	+	MACS_peak_3877	832.00
## 1595	chr16	3222073	3222373	301	+	MACS_peak_3878	105.02
## 1596	chr16	3233088	3233536	449	+	MACS_peak_3879	119.09
## 1597	chr16	3234140	3234279	140	+	MACS_peak_3880	161.08
## 1598	chr16	3237996	3238154	159	+	MACS_peak_3881	151.90
## 1599	chr16	3313994	3314414	421	+	MACS_peak_3884	256.74
## 1600	chr16	3332507	3332847	341	+	MACS_peak_3885	132.15
## 1601	chr16	3333820	3334024	205	+	MACS_peak_3886	139.10
## 1602	chr16	3355166	3355731	566	+	MACS_peak_3887	559.97
## 1603	chr16	3450848	3450985	138	+	MACS_peak_3889	887.84
## 1604	chr16	3930911	3930996	86	+	MACS_peak_3893	117.16
## 1605	chr16	4233482	4233842	361	+	MACS_peak_3894	392.78
## 1606	chr16	4323556	4323915	360	+	MACS_peak_3897	100.97
## 1607	chr16	4588610	4588905	296	+	MACS_peak_3901	90.75
## 1608	chr16	5142318	5142515	198	+	MACS_peak_3909	91.08
## 1609	chr16	5147504	5147837	334	+	MACS_peak_3910	300.28
## 1610	chr16	8962545	8962868	324	+	MACS_peak_3912	653.21
## 1611	chr16	10479926	10480260	335	+	MACS_peak_3914	354.69
## 1612	chr16	11650178	11650421	244	+	MACS_peak_3918	1382.19

## 1613	chr16	11734191	11734509	319	+	MACS_peak_3919	295.69
## 1614	chr16	12210784	12211264	481	+	MACS_peak_3923	135.14
## 1615	chr16	14280459	14280747	289	+	MACS_peak_3927	121.39
## 1616	chr16	14726565	14726994	430	+	MACS_peak_3928	196.59
## 1617	chr16	14797372	14797637	266	+	MACS_peak_3930	162.43
## 1618	chr16	14836356	14836726	371	+	MACS_peak_3931	97.42
## 1619	chr16	15149590	15149896	307	+	MACS_peak_3936	181.12
## 1620	chr16	15187941	15188110	170	+	MACS_peak_3938	174.27
## 1621	chr16	18495705	18496076	372	+	MACS_peak_3944	92.04
## 1622	chr16	18937397	18937708	312	+	MACS_peak_3949	271.10
## 1623	chr16	19895986	19896214	229	+	MACS_peak_3951	198.25
## 1624	chr16	20912143	20912328	186	+	MACS_peak_3955	95.77
## 1625	chr16	21512930	21513740	811	+	MACS_peak_3962	262.67
## 1626	chr16	21831582	21831743	162	+	MACS_peak_3965	260.31
## 1627	chr16	22217439	22217688	250	+	MACS_peak_3968	244.00
## 1628	chr16	22386143	22386360	218	+	MACS_peak_3970	99.49
## 1629	chr16	22448272	22448914	643	+	MACS_peak_3971	552.26
## 1630	chr16	22617947	22618396	450	+	MACS_peak_3972	118.99
## 1631	chr16	23464264	23464534	271	+	MACS_peak_3975	157.64
## 1632	chr16	23521450	23521786	337	+	MACS_peak_3976	181.82
## 1633	chr16	25268335	25269007	673	+	MACS_peak_3983	230.90
## 1634	chr16	25269371	25269497	127	+	MACS_peak_3984	230.91
## 1635	chr16	28289428	28289539	112	+	MACS_peak_3988	109.37
## 1636	chr16	28375790	28376005	216	+	MACS_peak_3989	97.42
## 1637	chr16	28761782	28762111	330	+	MACS_peak_3993	107.88
## 1638	chr16	28834413	28834714	302	+	MACS_peak_3995	218.22
## 1639	chr16	28857934	28858195	262	+	MACS_peak_3996	109.24
## 1640	chr16	28874480	28874920	441	+	MACS_peak_3997	146.67
## 1641	chr16	28947757	28948002	246	+	MACS_peak_3999	188.74
## 1642	chr16	28962332	28962542	211	+	MACS_peak_4001	331.57
## 1643	chr16	29093467	29093720	254	+	MACS_peak_4003	107.17
## 1644	chr16	29302444	29302647	204	+	MACS_peak_4006	183.56
## 1645	chr16	29465835	29466332	498	+	MACS_peak_4007	146.45
## 1646	chr16	29606157	29606595	439	+	MACS_peak_4008	170.70
## 1647	chr16	29624872	29625066	195	+	MACS_peak_4009	109.41
## 1648	chr16	29818776	29819301	526	+	MACS_peak_4012	199.55
## 1649	chr16	29820647	29820989	343	+	MACS_peak_4013	1228.74
## 1650	chr16	29821909	29822847	939	+	MACS_peak_4014	88.98
## 1651	chr16	29910602	29911017	416	+	MACS_peak_4018	103.54
## 1652	chr16	29937283	29938311	1029	+	MACS_peak_4019	244.30
## 1653	chr16	30006590	30006861	272	+	MACS_peak_4022	1984.15
## 1654	chr16	30064200	30064440	241	+	MACS_peak_4023	227.01
## 1655	chr16	30076592	30076896	305	+	MACS_peak_4024	91.49
## 1656	chr16	30107771	30108071	301	+	MACS_peak_4026	128.52
## 1657	chr16	30194782	30194969	188	+	MACS_peak_4027	103.72
## 1658	chr16	30205079	30205403	325	+	MACS_peak_4028	140.68
## 1659	chr16	30346162	30346749	588	+	MACS_peak_4030	151.27
## 1660	chr16	30366584	30366821	238	+	MACS_peak_4031	176.61
## 1661	chr16	30389223	30389942	720	+	MACS_peak_4032	359.84
## 1662	chr16	30429145	30429466	322	+	MACS_peak_4034	103.39
## 1663	chr16	30441385	30441683	299	+	MACS_peak_4035	190.03
## 1664	chr16	30538412	30538756	345	+	MACS_peak_4037	94.97
## 1665	chr16	30552858	30553534	677	+	MACS_peak_4039	314.11
## 1666	chr16	30583336	30583722	387	+	MACS_peak_4042	267.44

## 1667	chr16	30621721	30621932	212	+	MACS_peak_4043	702.88
## 1668	chr16	30645526	30645774	249	+	MACS_peak_4044	660.08
## 1669	chr16	30710170	30710894	725	+	MACS_peak_4046	97.27
## 1670	chr16	30759039	30759438	400	+	MACS_peak_4047	184.84
## 1671	chr16	30817150	30817787	638	+	MACS_peak_4049	184.00
## 1672	chr16	30968641	30969226	586	+	MACS_peak_4051	142.31
## 1673	chr16	31024502	31024860	359	+	MACS_peak_4053	257.53
## 1674	chr16	31106056	31106289	234	+	MACS_peak_4054	332.02
## 1675	chr16	31191349	31191857	509	+	MACS_peak_4055	120.18
## 1676	chr16	31470142	31470629	488	+	MACS_peak_4056	204.49
## 1677	chr16	31519430	31519661	232	+	MACS_peak_4057	125.02
## 1678	chr16	31724584	31724819	236	+	MACS_peak_4058	259.98
## 1679	chr16	47007503	47007627	125	+	MACS_peak_4064	119.45
## 1680	chr16	47177568	47177936	369	+	MACS_peak_4065	108.76
## 1681	chr16	48418348	48418676	329	+	MACS_peak_4069	242.70
## 1682	chr16	49511461	49511810	350	+	MACS_peak_4071	166.03
## 1683	chr16	49889451	49889839	389	+	MACS_peak_4072	107.53
## 1684	chr16	49986342	49986460	119	+	MACS_peak_4073	150.77
## 1685	chr16	54320158	54320366	209	+	MACS_peak_4084	126.51
## 1686	chr16	54964277	54964659	383	+	MACS_peak_4086	82.16
## 1687	chr16	55089385	55089503	119	+	MACS_peak_4087	415.55
## 1688	chr16	55543100	55543373	274	+	MACS_peak_4089	104.60
## 1689	chr16	56965628	56966073	446	+	MACS_peak_4092	83.13
## 1690	chr16	57126200	57126456	257	+	MACS_peak_4094	98.52
## 1691	chr16	57770484	57770702	219	+	MACS_peak_4097	612.20
## 1692	chr16	58059661	58060096	436	+	MACS_peak_4102	130.54
## 1693	chr16	58163656	58163770	115	+	MACS_peak_4104	86.96
## 1694	chr16	58492579	58492782	204	+	MACS_peak_4108	89.45
## 1695	chr16	58497788	58498287	500	+	MACS_peak_4109	203.61
## 1696	chr16	58768259	58768529	271	+	MACS_peak_4111	112.95
## 1697	chr16	66583643	66583877	235	+	MACS_peak_4114	316.49
## 1698	chr16	66638453	66638883	431	+	MACS_peak_4115	208.49
## 1699	chr16	66785694	66785851	158	+	MACS_peak_4116	109.24
## 1700	chr16	67063191	67063523	333	+	MACS_peak_4120	80.05
## 1701	chr16	67217791	67218150	360	+	MACS_peak_4122	110.07
## 1702	chr16	67280340	67280543	204	+	MACS_peak_4123	668.13
## 1703	chr16	67970579	67970768	190	+	MACS_peak_4128	175.32
## 1704	chr16	67976274	67976496	223	+	MACS_peak_4129	147.10
## 1705	chr16	68119367	68119675	309	+	MACS_peak_4131	278.17
## 1706	chr16	68271719	68271987	269	+	MACS_peak_4132	117.11
## 1707	chr16	68344524	68344855	332	+	MACS_peak_4133	160.44
## 1708	chr16	69220846	69221244	399	+	MACS_peak_4137	89.47
## 1709	chr16	69345306	69345894	589	+	MACS_peak_4139	223.39
## 1710	chr16	69599473	69599794	322	+	MACS_peak_4141	142.69
## 1711	chr16	70147646	70147780	135	+	MACS_peak_4144	93.07
## 1712	chr16	70285932	70286223	292	+	MACS_peak_4146	108.32
## 1713	chr16	70414969	70415328	360	+	MACS_peak_4147	98.76
## 1714	chr16	70415621	70415888	268	+	MACS_peak_4148	127.82
## 1715	chr16	71560242	71560468	227	+	MACS_peak_4153	128.28
## 1716	chr16	71918072	71918376	305	+	MACS_peak_4155	204.84
## 1717	chr16	71928975	71929308	334	+	MACS_peak_4156	151.43
## 1718	chr16	72698649	72698851	203	+	MACS_peak_4157	112.10
## 1719	chr16	73104373	73104583	211	+	MACS_peak_4158	126.60
## 1720	chr16	74401741	74402481	741	+	MACS_peak_4159	121.96

## 1721	chr16	74432535	74432910	376	+	MACS_peak_4160	90.94
## 1722	chr16	74808460	74808676	217	+	MACS_peak_4163	104.28
## 1723	chr16	75182575	75182810	236	+	MACS_peak_4165	108.24
## 1724	chr16	75498000	75498377	378	+	MACS_peak_4170	132.75
## 1725	chr16	75681656	75681844	189	+	MACS_peak_4172	131.16
## 1726	chr16	77246329	77246535	207	+	MACS_peak_4173	81.43
## 1727	chr16	79632692	79633014	323	+	MACS_peak_4177	160.01
## 1728	chr16	79634047	79634443	397	+	MACS_peak_4178	93.91
## 1729	chr16	79804468	79804582	115	+	MACS_peak_4179	1232.96
## 1730	chr16	81812760	81812961	202	+	MACS_peak_4185	92.38
## 1731	chr16	84651090	84651447	358	+	MACS_peak_4191	192.67
## 1732	chr16	85203242	85203412	171	+	MACS_peak_4194	98.60
## 1733	chr16	85587112	85587298	187	+	MACS_peak_4195	389.87
## 1734	chr16	85588447	85588730	284	+	MACS_peak_4196	107.80
## 1735	chr16	85590138	85590542	405	+	MACS_peak_4197	84.35
## 1736	chr16	85646857	85647088	232	+	MACS_peak_4198	311.82
## 1737	chr16	85647498	85647659	162	+	MACS_peak_4199	88.25
## 1738	chr16	85649035	85649180	146	+	MACS_peak_4200	95.40
## 1739	chr16	85660216	85660468	253	+	MACS_peak_4201	145.92
## 1740	chr16	85832940	85833111	172	+	MACS_peak_4202	103.64
## 1741	chr16	85855116	85855298	183	+	MACS_peak_4203	112.74
## 1742	chr16	87812580	87812806	227	+	MACS_peak_4216	719.90
## 1743	chr16	87889924	87890010	87	+	MACS_peak_4217	144.45
## 1744	chr16	87902941	87903098	158	+	MACS_peak_4218	256.69
## 1745	chr16	88298801	88299020	220	+	MACS_peak_4220	112.36
## 1746	chr16	88636673	88636825	153	+	MACS_peak_4222	182.40
## 1747	chr16	88870046	88870313	268	+	MACS_peak_4224	143.18
## 1748	chr16	89008345	89008547	203	+	MACS_peak_4226	433.45
## 1749	chr16	89410139	89410593	455	+	MACS_peak_4229	91.92
## 1750	chr16	89627014	89627169	156	+	MACS_peak_4232	628.98
## 1751	chr16	89668748	89669125	378	+	MACS_peak_4234	145.80
## 1752	chr16	89752858	89753296	439	+	MACS_peak_4236	131.63
## 1753	chr16	89768256	89768456	201	+	MACS_peak_4238	1964.63
## 1754	chr16	89787799	89788242	444	+	MACS_peak_4239	200.19
## 1755	chr16	89922388	89922591	204	+	MACS_peak_4240	3100.00
## 1756	chr16	89939750	89940356	607	+	MACS_peak_4241	127.54
## 1757	chr16	90182765	90182896	132	+	MACS_peak_4244	1132.21
## 1758	chr17	796974	797433	460	+	MACS_peak_4248	527.36
## 1759	chr17	983832	984152	321	+	MACS_peak_4249	173.82
## 1760	chr17	1018521	1018733	213	+	MACS_peak_4250	155.02
## 1761	chr17	1303539	1303871	333	+	MACS_peak_4253	86.53
## 1762	chr17	1358873	1359209	337	+	MACS_peak_4254	302.33
## 1763	chr17	1391470	1391840	371	+	MACS_peak_4255	163.40
## 1764	chr17	1465672	1465976	305	+	MACS_peak_4256	1816.70
## 1765	chr17	1552074	1552223	150	+	MACS_peak_4258	112.77
## 1766	chr17	1552635	1552867	233	+	MACS_peak_4259	82.80
## 1767	chr17	1627686	1628041	356	+	MACS_peak_4263	138.62
## 1768	chr17	1733240	1733498	259	+	MACS_peak_4264	116.61
## 1769	chr17	2296167	2296583	417	+	MACS_peak_4267	261.46
## 1770	chr17	2300306	2300537	232	+	MACS_peak_4268	737.22
## 1771	chr17	2388260	2388522	263	+	MACS_peak_4270	135.94
## 1772	chr17	3601489	3601686	198	+	MACS_peak_4277	392.54
## 1773	chr17	3627329	3627880	552	+	MACS_peak_4278	178.98
## 1774	chr17	3796544	3796796	253	+	MACS_peak_4280	86.60

## 1775	chr17	4268904	4269063	160	+	MACS_peak_4282	118.86
## 1776	chr17	4269684	4270203	520	+	MACS_peak_4283	568.67
## 1777	chr17	4413632	4413978	347	+	MACS_peak_4284	185.49
## 1778	chr17	4613326	4613530	205	+	MACS_peak_4287	134.11
## 1779	chr17	5371978	5372270	293	+	MACS_peak_4297	92.38
## 1780	chr17	6918054	6918534	481	+	MACS_peak_4301	412.37
## 1781	chr17	6927538	6927816	279	+	MACS_peak_4302	85.83
## 1782	chr17	6938669	6939136	468	+	MACS_peak_4303	174.14
## 1783	chr17	7199728	7199947	220	+	MACS_peak_4307	559.79
## 1784	chr17	7254763	7255167	405	+	MACS_peak_4310	94.33
## 1785	chr17	7297889	7298146	258	+	MACS_peak_4311	377.53
## 1786	chr17	7387647	7387792	146	+	MACS_peak_4313	287.66
## 1787	chr17	7531036	7531437	402	+	MACS_peak_4315	82.05
## 1788	chr17	7589397	7589531	135	+	MACS_peak_4316	232.55
## 1789	chr17	7590694	7590859	166	+	MACS_peak_4317	150.56
## 1790	chr17	7746274	7746548	275	+	MACS_peak_4320	206.55
## 1791	chr17	7893201	7893592	392	+	MACS_peak_4322	165.72
## 1792	chr17	7977000	7977109	110	+	MACS_peak_4323	128.66
## 1793	chr17	8022138	8022521	384	+	MACS_peak_4324	128.67
## 1794	chr17	8026122	8026379	258	+	MACS_peak_4325	109.67
## 1795	chr17	8055623	8055745	123	+	MACS_peak_4327	470.42
## 1796	chr17	8060223	8060511	289	+	MACS_peak_4328	109.24
## 1797	chr17	8286470	8286949	480	+	MACS_peak_4332	114.23
## 1798	chr17	8532831	8533301	471	+	MACS_peak_4333	116.82
## 1799	chr17	10101591	10102156	566	+	MACS_peak_4338	351.40
## 1800	chr17	11923928	11924535	608	+	MACS_peak_4341	180.95
## 1801	chr17	12568733	12568921	189	+	MACS_peak_4343	217.44
## 1802	chr17	14204368	14204923	556	+	MACS_peak_4345	153.92
## 1803	chr17	14212859	14213104	246	+	MACS_peak_4346	172.00
## 1804	chr17	15903169	15903290	122	+	MACS_peak_4351	134.79
## 1805	chr17	16103568	16103952	385	+	MACS_peak_4352	211.98
## 1806	chr17	16118656	16119032	377	+	MACS_peak_4353	109.19
## 1807	chr17	16359451	16359871	421	+	MACS_peak_4356	260.85
## 1808	chr17	16492636	16492743	108	+	MACS_peak_4359	268.38
## 1809	chr17	17529475	17529585	111	+	MACS_peak_4363	158.29
## 1810	chr17	17585810	17586006	197	+	MACS_peak_4364	83.02
## 1811	chr17	17686147	17686444	298	+	MACS_peak_4365	142.60
## 1812	chr17	17739692	17739829	138	+	MACS_peak_4367	120.64
## 1813	chr17	18314569	18315087	519	+	MACS_peak_4372	131.43
## 1814	chr17	19090776	19090974	199	+	MACS_peak_4381	105.66
## 1815	chr17	19091313	19091522	210	+	MACS_peak_4382	157.78
## 1816	chr17	19410622	19410913	292	+	MACS_peak_4384	223.03
## 1817	chr17	19648330	19648547	218	+	MACS_peak_4387	248.92
## 1818	chr17	19770832	19771217	386	+	MACS_peak_4388	118.34
## 1819	chr17	20946000	20946575	576	+	MACS_peak_4391	299.74
## 1820	chr17	21179559	21179800	242	+	MACS_peak_4394	130.40
## 1821	chr17	25659804	25660045	242	+	MACS_peak_4399	81.41
## 1822	chr17	25783175	25783646	472	+	MACS_peak_4401	96.40
## 1823	chr17	26879424	26879678	255	+	MACS_peak_4404	115.65
## 1824	chr17	26898653	26898920	268	+	MACS_peak_4405	158.23
## 1825	chr17	26926035	26926598	564	+	MACS_peak_4406	155.35
## 1826	chr17	26988893	26989179	287	+	MACS_peak_4408	89.97
## 1827	chr17	27046276	27046582	307	+	MACS_peak_4411	129.32
## 1828	chr17	27048981	27049416	436	+	MACS_peak_4412	84.01

## 1829	chr17	27052413	27052725	313	+	MACS_peak_4413	82.97
## 1830	chr17	27052951	27053303	353	+	MACS_peak_4414	144.23
## 1831	chr17	27169599	27169782	184	+	MACS_peak_4417	155.02
## 1832	chr17	27182205	27182350	146	+	MACS_peak_4418	169.68
## 1833	chr17	27472530	27472660	131	+	MACS_peak_4420	742.28
## 1834	chr17	27621025	27621308	284	+	MACS_peak_4425	115.65
## 1835	chr17	27717524	27717745	222	+	MACS_peak_4426	88.50
## 1836	chr17	27894990	27895320	331	+	MACS_peak_4427	127.08
## 1837	chr17	27916597	27916879	283	+	MACS_peak_4428	249.87
## 1838	chr17	28088225	28088564	340	+	MACS_peak_4431	87.89
## 1839	chr17	28618371	28618831	461	+	MACS_peak_4435	124.51
## 1840	chr17	28728134	28728532	399	+	MACS_peak_4436	507.34
## 1841	chr17	29058584	29058900	317	+	MACS_peak_4440	118.09
## 1842	chr17	29158884	29159279	396	+	MACS_peak_4443	174.70
## 1843	chr17	29233344	29233556	213	+	MACS_peak_4444	115.73
## 1844	chr17	29297987	29298358	372	+	MACS_peak_4445	83.52
## 1845	chr17	29876560	29877328	769	+	MACS_peak_4447	169.36
## 1846	chr17	30263932	30264433	502	+	MACS_peak_4448	110.05
## 1847	chr17	30593451	30593753	303	+	MACS_peak_4450	98.90
## 1848	chr17	30682906	30683042	137	+	MACS_peak_4453	106.61
## 1849	chr17	31203459	31203606	148	+	MACS_peak_4456	102.06
## 1850	chr17	33570082	33570280	199	+	MACS_peak_4462	633.17
## 1851	chr17	34091429	34091554	126	+	MACS_peak_4465	107.97
## 1852	chr17	34899923	34900279	357	+	MACS_peak_4468	83.02
## 1853	chr17	34948068	34948353	286	+	MACS_peak_4469	210.91
## 1854	chr17	35292635	35293123	489	+	MACS_peak_4472	249.72
## 1855	chr17	35767077	35767567	491	+	MACS_peak_4475	156.44
## 1856	chr17	36412056	36412297	242	+	MACS_peak_4478	99.38
## 1857	chr17	36858592	36858838	247	+	MACS_peak_4484	163.52
## 1858	chr17	36859958	36860328	371	+	MACS_peak_4485	113.71
## 1859	chr17	36908608	36908772	165	+	MACS_peak_4487	99.10
## 1860	chr17	37009893	37010144	252	+	MACS_peak_4489	112.89
## 1861	chr17	37388407	37388525	119	+	MACS_peak_4492	98.50
## 1862	chr17	37793326	37793635	310	+	MACS_peak_4494	180.07
## 1863	chr17	37856054	37856453	400	+	MACS_peak_4496	297.85
## 1864	chr17	38109509	38109902	394	+	MACS_peak_4499	97.02
## 1865	chr17	38255113	38255372	260	+	MACS_peak_4500	364.69
## 1866	chr17	38296223	38296465	243	+	MACS_peak_4502	545.24
## 1867	chr17	38519421	38519720	300	+	MACS_peak_4506	88.48
## 1868	chr17	38573910	38574146	237	+	MACS_peak_4507	366.45
## 1869	chr17	38804196	38804600	405	+	MACS_peak_4510	361.21
## 1870	chr17	39723537	39723987	451	+	MACS_peak_4512	89.47
## 1871	chr17	39968361	39968896	536	+	MACS_peak_4516	111.01
## 1872	chr17	39991998	39992437	440	+	MACS_peak_4517	99.47
## 1873	chr17	40259667	40259867	201	+	MACS_peak_4524	616.94
## 1874	chr17	40688540	40688792	253	+	MACS_peak_4525	198.91
## 1875	chr17	40706658	40706770	113	+	MACS_peak_4526	242.51
## 1876	chr17	40729452	40729729	278	+	MACS_peak_4527	167.28
## 1877	chr17	40811251	40811473	223	+	MACS_peak_4529	170.43
## 1878	chr17	40812840	40813028	189	+	MACS_peak_4530	97.02
## 1879	chr17	40897178	40897442	265	+	MACS_peak_4533	108.13
## 1880	chr17	41158629	41159054	426	+	MACS_peak_4541	134.27
## 1881	chr17	41174185	41174469	285	+	MACS_peak_4542	331.51
## 1882	chr17	41394418	41394664	247	+	MACS_peak_4544	242.53

## 1883	chr17	41488119	41488347	229	+	MACS_peak_4548	118.42
## 1884	chr17	41607883	41608170	288	+	MACS_peak_4549	131.79
## 1885	chr17	41791966	41792234	269	+	MACS_peak_4551	127.82
## 1886	chr17	42091811	42092244	434	+	MACS_peak_4556	160.48
## 1887	chr17	42147859	42147968	110	+	MACS_peak_4557	95.23
## 1888	chr17	42148340	42148571	232	+	MACS_peak_4558	223.60
## 1889	chr17	42215564	42215721	158	+	MACS_peak_4559	147.53
## 1890	chr17	42296028	42296441	414	+	MACS_peak_4560	221.75
## 1891	chr17	42297422	42298043	622	+	MACS_peak_4561	121.69
## 1892	chr17	42312319	42312742	424	+	MACS_peak_4562	89.30
## 1893	chr17	42462638	42462949	312	+	MACS_peak_4563	99.06
## 1894	chr17	42580453	42580744	292	+	MACS_peak_4564	315.42
## 1895	chr17	42634680	42634995	316	+	MACS_peak_4565	83.83
## 1896	chr17	42767214	42767497	284	+	MACS_peak_4566	143.39
## 1897	chr17	42852729	42853273	545	+	MACS_peak_4568	147.08
## 1898	chr17	42906798	42906917	120	+	MACS_peak_4569	80.57
## 1899	chr17	42907273	42907594	322	+	MACS_peak_4570	177.39
## 1900	chr17	42976365	42976734	370	+	MACS_peak_4571	254.20
## 1901	chr17	42988515	42988686	172	+	MACS_peak_4572	142.36
## 1902	chr17	43138783	43138896	114	+	MACS_peak_4576	104.38
## 1903	chr17	43225866	43226139	274	+	MACS_peak_4577	112.48
## 1904	chr17	43238629	43238865	237	+	MACS_peak_4578	110.28
## 1905	chr17	43275275	43275608	334	+	MACS_peak_4579	151.89
## 1906	chr17	43298915	43299145	231	+	MACS_peak_4580	662.49
## 1907	chr17	43324744	43324865	122	+	MACS_peak_4581	255.34
## 1908	chr17	43383021	43383248	228	+	MACS_peak_4583	99.65
## 1909	chr17	43394901	43395147	247	+	MACS_peak_4585	178.02
## 1910	chr17	43449127	43449454	328	+	MACS_peak_4586	105.63
## 1911	chr17	43505349	43505774	426	+	MACS_peak_4587	113.04
## 1912	chr17	43567822	43568110	289	+	MACS_peak_4588	135.41
## 1913	chr17	43662018	43662478	461	+	MACS_peak_4589	86.90
## 1914	chr17	43663386	43663810	425	+	MACS_peak_4590	115.10
## 1915	chr17	43698031	43698238	208	+	MACS_peak_4591	99.58
## 1916	chr17	43797030	43797303	274	+	MACS_peak_4592	126.99
## 1917	chr17	43861243	43861804	562	+	MACS_peak_4594	91.52
## 1918	chr17	44200974	44201533	560	+	MACS_peak_4596	91.18
## 1919	chr17	44270572	44270909	338	+	MACS_peak_4597	154.27
## 1920	chr17	44342475	44342948	474	+	MACS_peak_4598	522.23
## 1921	chr17	44344160	44344348	189	+	MACS_peak_4599	122.30
## 1922	chr17	45000130	45000602	473	+	MACS_peak_4608	246.33
## 1923	chr17	45266393	45266535	143	+	MACS_peak_4611	101.83
## 1924	chr17	45331077	45331632	556	+	MACS_peak_4612	112.08
## 1925	chr17	45401323	45401873	551	+	MACS_peak_4613	96.84
## 1926	chr17	45608559	45609161	603	+	MACS_peak_4614	93.85
## 1927	chr17	45810580	45810668	89	+	MACS_peak_4616	135.86
## 1928	chr17	46048083	46048223	141	+	MACS_peak_4618	201.69
## 1929	chr17	46124977	46125434	458	+	MACS_peak_4619	150.15
## 1930	chr17	46178220	46178702	483	+	MACS_peak_4620	243.31
## 1931	chr17	46697504	46697718	215	+	MACS_peak_4628	238.70
## 1932	chr17	46698791	46699013	223	+	MACS_peak_4629	84.18
## 1933	chr17	46702300	46702743	444	+	MACS_peak_4630	87.14
## 1934	chr17	46703144	46703511	368	+	MACS_peak_4631	94.12
## 1935	chr17	46703980	46704256	277	+	MACS_peak_4632	221.68
## 1936	chr17	46723723	46724212	490	+	MACS_peak_4633	82.12

## 1937	chr17	47073495	47073597	103	+	MACS_peak_4637	81.83
## 1938	chr17	47074602	47074969	368	+	MACS_peak_4638	93.90
## 1939	chr17	47554560	47554712	153	+	MACS_peak_4639	339.11
## 1940	chr17	47572518	47572885	368	+	MACS_peak_4640	88.17
## 1941	chr17	48133152	48133564	413	+	MACS_peak_4643	131.44
## 1942	chr17	48133855	48134097	243	+	MACS_peak_4644	116.26
## 1943	chr17	48217491	48217628	138	+	MACS_peak_4647	205.71
## 1944	chr17	48227290	48227586	297	+	MACS_peak_4648	105.50
## 1945	chr17	48556098	48556312	215	+	MACS_peak_4650	85.77
## 1946	chr17	48638044	48638203	160	+	MACS_peak_4654	103.24
## 1947	chr17	48638386	48638730	345	+	MACS_peak_4655	236.59
## 1948	chr17	48784658	48785325	668	+	MACS_peak_4656	117.61
## 1949	chr17	48796505	48796883	379	+	MACS_peak_4657	92.56
## 1950	chr17	48943513	48944112	600	+	MACS_peak_4659	232.00
## 1951	chr17	49244069	49244595	527	+	MACS_peak_4661	421.72
## 1952	chr17	49338084	49338414	331	+	MACS_peak_4662	83.49
## 1953	chr17	54671064	54671534	471	+	MACS_peak_4669	109.86
## 1954	chr17	54671811	54672339	529	+	MACS_peak_4670	80.56
## 1955	chr17	54911465	54911728	264	+	MACS_peak_4673	111.76
## 1956	chr17	54955189	54955600	412	+	MACS_peak_4674	169.66
## 1957	chr17	55162181	55163145	965	+	MACS_peak_4676	213.75
## 1958	chr17	56064184	56064407	224	+	MACS_peak_4681	135.95
## 1959	chr17	56065158	56065529	372	+	MACS_peak_4682	182.49
## 1960	chr17	56160638	56160939	302	+	MACS_peak_4683	155.96
## 1961	chr17	57615626	57615853	228	+	MACS_peak_4693	154.34
## 1962	chr17	57696570	57697182	613	+	MACS_peak_4694	235.18
## 1963	chr17	57970594	57971160	567	+	MACS_peak_4696	132.55
## 1964	chr17	58180009	58180236	228	+	MACS_peak_4697	914.86
## 1965	chr17	58677169	58677394	226	+	MACS_peak_4701	312.48
## 1966	chr17	59476282	59476410	129	+	MACS_peak_4703	92.86
## 1967	chr17	60004847	60005123	277	+	MACS_peak_4706	182.33
## 1968	chr17	60902226	60902427	202	+	MACS_peak_4712	110.61
## 1969	chr17	61554272	61554508	237	+	MACS_peak_4714	141.55
## 1970	chr17	61627332	61627516	185	+	MACS_peak_4716	165.31
## 1971	chr17	61777479	61777835	357	+	MACS_peak_4717	94.43
## 1972	chr17	61818787	61819848	1062	+	MACS_peak_4718	170.23
## 1973	chr17	61904887	61905137	251	+	MACS_peak_4720	104.71
## 1974	chr17	61920457	61920619	163	+	MACS_peak_4722	137.55
## 1975	chr17	62207077	62207329	253	+	MACS_peak_4726	89.32
## 1976	chr17	62230242	62230411	170	+	MACS_peak_4727	100.37
## 1977	chr17	62492748	62493089	342	+	MACS_peak_4730	88.68
## 1978	chr17	62502112	62502453	342	+	MACS_peak_4731	91.22
## 1979	chr17	62658150	62658435	286	+	MACS_peak_4732	203.96
## 1980	chr17	62773107	62773300	194	+	MACS_peak_4733	253.31
## 1981	chr17	62914885	62915488	604	+	MACS_peak_4735	86.37
## 1982	chr17	62971353	62971545	193	+	MACS_peak_4737	1130.65
## 1983	chr17	63052318	63053017	700	+	MACS_peak_4740	458.19
## 1984	chr17	63555907	63556041	135	+	MACS_peak_4742	93.69
## 1985	chr17	63624464	63624629	166	+	MACS_peak_4743	602.79
## 1986	chr17	64298684	64299348	665	+	MACS_peak_4745	548.47
## 1987	chr17	65374943	65375293	351	+	MACS_peak_4749	169.23
## 1988	chr17	65821141	65821710	570	+	MACS_peak_4751	94.59
## 1989	chr17	65989310	65989740	431	+	MACS_peak_4753	162.51
## 1990	chr17	65990031	65990456	426	+	MACS_peak_4754	256.99

## 1991	chr17	66049525	66049673	149	+	MACS_peak_4756	122.93
## 1992	chr17	66244275	66244517	243	+	MACS_peak_4759	109.41
## 1993	chr17	66409766	66409962	197	+	MACS_peak_4762	119.49
## 1994	chr17	66507862	66508325	464	+	MACS_peak_4763	136.70
## 1995	chr17	67322990	67323566	577	+	MACS_peak_4766	480.06
## 1996	chr17	70026737	70027089	353	+	MACS_peak_4769	128.81
## 1997	chr17	70117230	70117515	286	+	MACS_peak_4770	121.03
## 1998	chr17	70536608	70536757	150	+	MACS_peak_4775	98.75
## 1999	chr17	71188695	71188896	202	+	MACS_peak_4778	89.23
## 2000	chr17	71189235	71189485	251	+	MACS_peak_4779	231.29
## 2001	chr17	71301237	71301394	158	+	MACS_peak_4780	163.80
## 2002	chr17	71306893	71307026	134	+	MACS_peak_4781	231.38
## 2003	chr17	71640942	71641376	435	+	MACS_peak_4782	86.58
## 2004	chr17	73008433	73008751	319	+	MACS_peak_4789	155.92
## 2005	chr17	73031031	73031365	335	+	MACS_peak_4790	201.45
## 2006	chr17	73105841	73106010	170	+	MACS_peak_4792	154.04
## 2007	chr17	73127537	73127833	297	+	MACS_peak_4793	198.53
## 2008	chr17	73150516	73150761	246	+	MACS_peak_4794	106.25
## 2009	chr17	73178698	73179255	558	+	MACS_peak_4796	264.20
## 2010	chr17	73257315	73257466	152	+	MACS_peak_4797	92.38
## 2011	chr17	73389665	73389879	215	+	MACS_peak_4799	415.06
## 2012	chr17	73401568	73401830	263	+	MACS_peak_4800	225.90
## 2013	chr17	73511965	73512502	538	+	MACS_peak_4801	129.75
## 2014	chr17	73512779	73513306	528	+	MACS_peak_4802	168.59
## 2015	chr17	73520961	73521683	723	+	MACS_peak_4803	99.36
## 2016	chr17	73775639	73775979	341	+	MACS_peak_4806	278.23
## 2017	chr17	73780889	73781237	349	+	MACS_peak_4807	88.45
## 2018	chr17	73873910	73874211	302	+	MACS_peak_4810	98.75
## 2019	chr17	73937105	73937401	297	+	MACS_peak_4811	805.67
## 2020	chr17	74025439	74025890	452	+	MACS_peak_4813	183.86
## 2021	chr17	74236201	74236499	299	+	MACS_peak_4815	341.36
## 2022	chr17	74350350	74350504	155	+	MACS_peak_4816	227.21
## 2023	chr17	74379727	74380582	856	+	MACS_peak_4817	189.62
## 2024	chr17	74553333	74553709	377	+	MACS_peak_4818	234.59
## 2025	chr17	74704000	74704286	287	+	MACS_peak_4821	134.26
## 2026	chr17	74706327	74706752	426	+	MACS_peak_4822	187.94
## 2027	chr17	74722479	74723143	665	+	MACS_peak_4823	112.65
## 2028	chr17	74733214	74733538	325	+	MACS_peak_4824	89.45
## 2029	chr17	74734130	74734393	264	+	MACS_peak_4825	445.94
## 2030	chr17	75136607	75136733	127	+	MACS_peak_4827	234.03
## 2031	chr17	75370409	75370593	185	+	MACS_peak_4830	194.50
## 2032	chr17	75524675	75525041	367	+	MACS_peak_4832	206.01
## 2033	chr17	76349041	76349388	348	+	MACS_peak_4840	91.16
## 2034	chr17	76732856	76733144	289	+	MACS_peak_4844	400.12
## 2035	chr17	76836280	76836912	633	+	MACS_peak_4846	207.41
## 2036	chr17	76837179	76837523	345	+	MACS_peak_4847	142.69
## 2037	chr17	76920926	76921150	225	+	MACS_peak_4849	108.56
## 2038	chr17	77179944	77180289	346	+	MACS_peak_4850	85.74
## 2039	chr17	77751406	77751610	205	+	MACS_peak_4851	178.87
## 2040	chr17	77770655	77770901	247	+	MACS_peak_4852	483.03
## 2041	chr17	77812449	77813065	617	+	MACS_peak_4853	110.10
## 2042	chr17	77949543	77949691	149	+	MACS_peak_4854	104.79
## 2043	chr17	77965592	77966031	440	+	MACS_peak_4855	101.55
## 2044	chr17	78234777	78235031	255	+	MACS_peak_4856	123.62

##	2045	chr17	78389150	78389662	513	+	MACS_peak_4857	129.62
##	2046	chr17	78450989	78451269	281	+	MACS_peak_4860	103.09
##	2047	chr17	78807145	78807357	213	+	MACS_peak_4864	142.75
##	2048	chr17	78865982	78866164	183	+	MACS_peak_4865	82.80
##	2049	chr17	79196549	79196789	241	+	MACS_peak_4867	138.83
##	2050	chr17	79317533	79317677	145	+	MACS_peak_4869	127.51
##	2051	chr17	79361428	79361539	112	+	MACS_peak_4870	90.34
##	2052	chr17	79367141	79367749	609	+	MACS_peak_4871	748.45
##	2053	chr17	79370823	79371436	614	+	MACS_peak_4872	106.52
##	2054	chr17	79478239	79478603	365	+	MACS_peak_4873	95.05
##	2055	chr17	79479324	79479888	565	+	MACS_peak_4874	138.50
##	2056	chr17	79481775	79482457	683	+	MACS_peak_4875	263.73
##	2057	chr17	79603811	79604164	354	+	MACS_peak_4878	104.88
##	2058	chr17	79819274	79819678	405	+	MACS_peak_4884	83.83
##	2059	chr17	79826853	79827143	291	+	MACS_peak_4885	89.34
##	2060	chr17	79880766	79880898	133	+	MACS_peak_4889	122.77
##	2061	chr17	79884454	79884812	359	+	MACS_peak_4890	114.23
##	2062	chr17	79935152	79935376	225	+	MACS_peak_4891	2273.96
##	2063	chr17	79988510	79988896	387	+	MACS_peak_4893	101.24
##	2064	chr17	80055665	80056194	530	+	MACS_peak_4895	115.82
##	2065	chr17	80211917	80212493	577	+	MACS_peak_4899	207.86
##	2066	chr17	80231189	80231329	141	+	MACS_peak_4901	86.55
##	2067	chr17	80416363	80416788	426	+	MACS_peak_4903	1062.49
##	2068	chr17	80454908	80455109	202	+	MACS_peak_4904	80.77
##	2069	chr17	80834592	80834788	197	+	MACS_peak_4910	176.00
##	2070	chr17	80843923	80843961	39	+	MACS_peak_4911	157.14
##	2071	chr17	81009233	81009616	384	+	MACS_peak_4912	117.57
##	2072	chr17	81037301	81037566	266	+	MACS_peak_4913	123.53
##	2073	chr17	81038535	81038770	236	+	MACS_peak_4914	188.81
##	2074	chr18	158091	158302	212	+	MACS_peak_4916	237.65
##	2075	chr18	657662	657887	226	+	MACS_peak_4918	107.17
##	2076	chr18	2655539	2655687	149	+	MACS_peak_4921	81.00
##	2077	chr18	2846883	2847155	273	+	MACS_peak_4922	280.09
##	2078	chr18	3450172	3450406	235	+	MACS_peak_4926	81.07
##	2079	chr18	5628740	5628970	231	+	MACS_peak_4927	110.81
##	2080	chr18	7566712	7567163	452	+	MACS_peak_4928	159.07
##	2081	chr18	9334104	9334468	365	+	MACS_peak_4931	384.06
##	2082	chr18	9334717	9335061	345	+	MACS_peak_4932	137.39
##	2083	chr18	11908262	11908594	333	+	MACS_peak_4939	151.61
##	2084	chr18	12376700	12377236	537	+	MACS_peak_4941	531.77
##	2085	chr18	12408013	12408367	355	+	MACS_peak_4943	127.05
##	2086	chr18	12947077	12947348	272	+	MACS_peak_4944	170.82
##	2087	chr18	13726321	13726576	256	+	MACS_peak_4949	235.95
##	2088	chr18	18691879	18692298	420	+	MACS_peak_4950	88.45
##	2089	chr18	18759614	18759733	120	+	MACS_peak_4951	177.37
##	2090	chr18	18822210	18822646	437	+	MACS_peak_4952	149.01
##	2091	chr18	19180043	19180333	291	+	MACS_peak_4953	179.66
##	2092	chr18	19648755	19649081	327	+	MACS_peak_4956	516.63
##	2093	chr18	19853353	19853602	250	+	MACS_peak_4958	172.17
##	2094	chr18	20139840	20140126	287	+	MACS_peak_4959	84.55
##	2095	chr18	20687311	20687409	99	+	MACS_peak_4962	153.01
##	2096	chr18	21166191	21166753	563	+	MACS_peak_4967	170.39
##	2097	chr18	21594350	21594611	262	+	MACS_peak_4969	81.94
##	2098	chr18	21851973	21852055	83	+	MACS_peak_4970	185.60

##	2099	chr18	21977347	21977552	206	+	MACS_peak_4971	348.37
##	2100	chr18	22006724	22007007	284	+	MACS_peak_4972	226.49
##	2101	chr18	22869439	22869625	187	+	MACS_peak_4974	184.54
##	2102	chr18	22929716	22930325	610	+	MACS_peak_4975	139.03
##	2103	chr18	23670733	23671110	378	+	MACS_peak_4978	141.98
##	2104	chr18	23806320	23806779	460	+	MACS_peak_4980	84.06
##	2105	chr18	24236828	24237059	232	+	MACS_peak_4985	181.56
##	2106	chr18	28621600	28622039	440	+	MACS_peak_4989	190.23
##	2107	chr18	28682279	28682495	217	+	MACS_peak_4991	113.40
##	2108	chr18	28786892	28787311	420	+	MACS_peak_4992	83.19
##	2109	chr18	29264269	29264819	551	+	MACS_peak_4996	92.21
##	2110	chr18	29522931	29523807	877	+	MACS_peak_4998	113.47
##	2111	chr18	29598377	29599428	1052	+	MACS_peak_5000	173.80
##	2112	chr18	29671813	29672348	536	+	MACS_peak_5002	117.09
##	2113	chr18	30351324	30351750	427	+	MACS_peak_5005	436.91
##	2114	chr18	32073604	32073931	328	+	MACS_peak_5010	80.65
##	2115	chr18	32557301	32557698	398	+	MACS_peak_5013	153.10
##	2116	chr18	32870299	32870488	190	+	MACS_peak_5017	317.81
##	2117	chr18	32956568	32957055	488	+	MACS_peak_5019	179.37
##	2118	chr18	32966692	32966804	113	+	MACS_peak_5020	124.02
##	2119	chr18	33530225	33530620	396	+	MACS_peak_5024	104.46
##	2120	chr18	33552034	33552755	722	+	MACS_peak_5025	282.09
##	2121	chr18	33644791	33645004	214	+	MACS_peak_5027	87.02
##	2122	chr18	33647172	33647602	431	+	MACS_peak_5028	481.73
##	2123	chr18	33655729	33656001	273	+	MACS_peak_5029	88.73
##	2124	chr18	33709112	33709361	250	+	MACS_peak_5030	255.75
##	2125	chr18	33767323	33767862	540	+	MACS_peak_5032	88.38
##	2126	chr18	33876802	33877096	295	+	MACS_peak_5033	84.73
##	2127	chr18	34408686	34409264	579	+	MACS_peak_5036	125.40
##	2128	chr18	34833817	34833963	147	+	MACS_peak_5037	99.81
##	2129	chr18	34849852	34850144	293	+	MACS_peak_5038	85.78
##	2130	chr18	35146250	35146354	105	+	MACS_peak_5040	93.32
##	2131	chr18	37380230	37380377	148	+	MACS_peak_5041	331.06
##	2132	chr18	43684143	43684214	72	+	MACS_peak_5049	149.61
##	2133	chr18	45457093	45457357	265	+	MACS_peak_5051	108.31
##	2134	chr18	46478915	46479180	266	+	MACS_peak_5056	131.32
##	2135	chr18	46986835	46987005	171	+	MACS_peak_5058	124.09
##	2136	chr18	47305735	47305878	144	+	MACS_peak_5060	89.44
##	2137	chr18	47807789	47808133	345	+	MACS_peak_5061	165.31
##	2138	chr18	48405185	48405502	318	+	MACS_peak_5062	145.64
##	2139	chr18	48724594	48724982	389	+	MACS_peak_5063	84.30
##	2140	chr18	53447421	53447637	217	+	MACS_peak_5066	172.91
##	2141	chr18	56338295	56338627	333	+	MACS_peak_5073	779.83
##	2142	chr18	57026716	57026823	108	+	MACS_peak_5075	124.76
##	2143	chr18	67956176	67956494	319	+	MACS_peak_5087	87.20
##	2144	chr18	68132154	68132331	178	+	MACS_peak_5088	130.89
##	2145	chr18	74206838	74207191	354	+	MACS_peak_5091	154.37
##	2146	chr18	74421754	74421934	181	+	MACS_peak_5092	1661.56
##	2147	chr18	77793746	77793960	215	+	MACS_peak_5098	112.61
##	2148	chr19	70611	71094	484	+	MACS_peak_5100	151.56
##	2149	chr19	427527	427871	345	+	MACS_peak_5102	92.08
##	2150	chr19	460042	460212	171	+	MACS_peak_5104	180.70
##	2151	chr19	590365	590502	138	+	MACS_peak_5110	107.13
##	2152	chr19	843266	843610	345	+	MACS_peak_5112	93.54

##	2153	chr19	872865	873150	286	+	MACS_peak_5114	195.07
##	2154	chr19	903411	903576	166	+	MACS_peak_5116	150.82
##	2155	chr19	1028393	1028684	292	+	MACS_peak_5119	196.83
##	2156	chr19	1102030	1102145	116	+	MACS_peak_5120	97.02
##	2157	chr19	1237299	1237714	416	+	MACS_peak_5122	105.00
##	2158	chr19	1249374	1249542	169	+	MACS_peak_5123	93.27
##	2159	chr19	1275310	1275748	439	+	MACS_peak_5124	128.49
##	2160	chr19	1508484	1508790	307	+	MACS_peak_5128	89.75
##	2161	chr19	1605554	1606195	642	+	MACS_peak_5129	260.30
##	2162	chr19	1671886	1672092	207	+	MACS_peak_5131	120.90
##	2163	chr19	1702371	1702697	327	+	MACS_peak_5132	146.93
##	2164	chr19	2035322	2035557	236	+	MACS_peak_5133	106.75
##	2165	chr19	2049843	2050067	225	+	MACS_peak_5134	135.04
##	2166	chr19	2095916	2096379	464	+	MACS_peak_5135	126.66
##	2167	chr19	2163609	2164072	464	+	MACS_peak_5136	193.21
##	2168	chr19	2235639	2235929	291	+	MACS_peak_5137	84.70
##	2169	chr19	2428095	2428244	150	+	MACS_peak_5138	152.62
##	2170	chr19	2476064	2476282	219	+	MACS_peak_5140	119.82
##	2171	chr19	3093889	3094135	247	+	MACS_peak_5145	243.85
##	2172	chr19	3104119	3104321	203	+	MACS_peak_5146	220.63
##	2173	chr19	3276476	3276774	299	+	MACS_peak_5147	110.55
##	2174	chr19	3299688	3299713	26	+	MACS_peak_5149	98.20
##	2175	chr19	3457753	3458050	298	+	MACS_peak_5150	126.09
##	2176	chr19	3500512	3500713	202	+	MACS_peak_5151	253.20
##	2177	chr19	3971317	3971520	204	+	MACS_peak_5156	1866.81
##	2178	chr19	3985379	3985602	224	+	MACS_peak_5157	91.01
##	2179	chr19	5341268	5341650	383	+	MACS_peak_5168	89.47
##	2180	chr19	5622569	5622706	138	+	MACS_peak_5170	82.80
##	2181	chr19	5720248	5720378	131	+	MACS_peak_5171	158.68
##	2182	chr19	5903560	5903795	236	+	MACS_peak_5172	89.89
##	2183	chr19	6108566	6109086	521	+	MACS_peak_5174	134.11
##	2184	chr19	6199389	6199565	177	+	MACS_peak_5175	161.83
##	2185	chr19	6425649	6425738	90	+	MACS_peak_5177	89.78
##	2186	chr19	6531013	6531154	142	+	MACS_peak_5179	106.76
##	2187	chr19	6736632	6736805	174	+	MACS_peak_5183	243.91
##	2188	chr19	7098834	7099125	292	+	MACS_peak_5185	489.53
##	2189	chr19	8418852	8418981	130	+	MACS_peak_5196	145.42
##	2190	chr19	8570600	8571096	497	+	MACS_peak_5199	94.95
##	2191	chr19	9186316	9186570	255	+	MACS_peak_5201	92.10
##	2192	chr19	9251057	9251158	102	+	MACS_peak_5202	249.89
##	2193	chr19	9879131	9879363	233	+	MACS_peak_5207	745.79
##	2194	chr19	9946003	9946219	217	+	MACS_peak_5208	139.44
##	2195	chr19	10305344	10305587	244	+	MACS_peak_5212	153.87
##	2196	chr19	10515346	10515597	252	+	MACS_peak_5214	155.13
##	2197	chr19	10812148	10812222	75	+	MACS_peak_5218	91.48
##	2198	chr19	11039642	11039844	203	+	MACS_peak_5219	84.88
##	2199	chr19	11071633	11071864	232	+	MACS_peak_5220	320.23
##	2200	chr19	11201566	11201777	212	+	MACS_peak_5221	85.32
##	2201	chr19	11493714	11493982	269	+	MACS_peak_5222	276.31
##	2202	chr19	11805643	11805767	125	+	MACS_peak_5226	106.21
##	2203	chr19	11877990	11878294	305	+	MACS_peak_5227	148.76
##	2204	chr19	12273624	12273926	303	+	MACS_peak_5230	257.97
##	2205	chr19	12476590	12476814	225	+	MACS_peak_5232	122.93
##	2206	chr19	12511965	12512330	366	+	MACS_peak_5233	105.69

##	2207	chr19	12662200	12662628	429	+	MACS_peak_5235	157.18
##	2208	chr19	12917192	12917392	201	+	MACS_peak_5237	87.56
##	2209	chr19	12958597	12958788	192	+	MACS_peak_5238	131.74
##	2210	chr19	13906151	13906389	239	+	MACS_peak_5241	314.10
##	2211	chr19	13958482	13958794	313	+	MACS_peak_5242	114.54
##	2212	chr19	13961456	13961615	160	+	MACS_peak_5243	287.57
##	2213	chr19	14117665	14117795	131	+	MACS_peak_5245	121.77
##	2214	chr19	14134454	14134625	172	+	MACS_peak_5247	508.51
##	2215	chr19	14184314	14184623	310	+	MACS_peak_5249	165.63
##	2216	chr19	14247185	14247391	207	+	MACS_peak_5250	110.76
##	2217	chr19	14529740	14530080	341	+	MACS_peak_5253	157.67
##	2218	chr19	14606546	14606697	152	+	MACS_peak_5254	141.93
##	2219	chr19	17716722	17717084	363	+	MACS_peak_5269	83.54
##	2220	chr19	17905822	17905990	169	+	MACS_peak_5271	101.41
##	2221	chr19	17951955	17952291	337	+	MACS_peak_5272	145.44
##	2222	chr19	17953280	17953498	219	+	MACS_peak_5273	98.88
##	2223	chr19	18043343	18043597	255	+	MACS_peak_5274	98.01
##	2224	chr19	18059041	18059252	212	+	MACS_peak_5275	788.89
##	2225	chr19	18303983	18304199	217	+	MACS_peak_5276	106.61
##	2226	chr19	18392082	18392334	253	+	MACS_peak_5278	143.88
##	2227	chr19	18811707	18811985	279	+	MACS_peak_5284	90.61
##	2228	chr19	19335825	19336145	321	+	MACS_peak_5289	83.02
##	2229	chr19	19496646	19497035	390	+	MACS_peak_5290	131.94
##	2230	chr19	19626981	19627212	232	+	MACS_peak_5291	215.81
##	2231	chr19	21512115	21512419	305	+	MACS_peak_5298	355.76
##	2232	chr19	21541599	21541922	324	+	MACS_peak_5299	227.21
##	2233	chr19	31839878	31840276	399	+	MACS_peak_5311	564.62
##	2234	chr19	32864776	32864989	214	+	MACS_peak_5312	140.78
##	2235	chr19	32896297	32896600	304	+	MACS_peak_5313	101.62
##	2236	chr19	33182984	33183094	111	+	MACS_peak_5314	81.11
##	2237	chr19	33668295	33668492	198	+	MACS_peak_5319	100.24
##	2238	chr19	33794211	33794485	275	+	MACS_peak_5321	80.31
##	2239	chr19	34109213	34109759	547	+	MACS_peak_5324	141.49
##	2240	chr19	34112796	34112999	204	+	MACS_peak_5325	419.84
##	2241	chr19	34287459	34287976	518	+	MACS_peak_5328	82.45
##	2242	chr19	34992532	34992749	218	+	MACS_peak_5332	132.38
##	2243	chr19	36048901	36049135	235	+	MACS_peak_5338	800.80
##	2244	chr19	36489923	36490219	297	+	MACS_peak_5342	147.51
##	2245	chr19	37958122	37958207	86	+	MACS_peak_5350	116.53
##	2246	chr19	38826757	38827155	399	+	MACS_peak_5354	127.17
##	2247	chr19	39138183	39138451	269	+	MACS_peak_5358	152.22
##	2248	chr19	39321972	39322405	434	+	MACS_peak_5360	207.54
##	2249	chr19	39340459	39340651	193	+	MACS_peak_5362	146.42
##	2250	chr19	39832502	39832694	193	+	MACS_peak_5364	90.75
##	2251	chr19	39882094	39882217	124	+	MACS_peak_5365	96.59
##	2252	chr19	40596342	40596607	266	+	MACS_peak_5371	273.57
##	2253	chr19	40939715	40939871	157	+	MACS_peak_5375	99.41
##	2254	chr19	41257104	41257424	321	+	MACS_peak_5379	94.64
##	2255	chr19	41426928	41427385	458	+	MACS_peak_5382	439.90
##	2256	chr19	41770037	41770447	411	+	MACS_peak_5384	183.68
##	2257	chr19	42363665	42363787	123	+	MACS_peak_5385	271.04
##	2258	chr19	42900612	42901097	486	+	MACS_peak_5390	170.69
##	2259	chr19	43098971	43099227	257	+	MACS_peak_5391	200.85
##	2260	chr19	43244525	43244724	200	+	MACS_peak_5393	356.20

##	2261	chr19	43441201	43441425	225	+	MACS_peak_5397	216.03
##	2262	chr19	43530581	43530943	363	+	MACS_peak_5398	111.25
##	2263	chr19	43586758	43586889	132	+	MACS_peak_5399	236.59
##	2264	chr19	43773480	43773788	309	+	MACS_peak_5401	1109.13
##	2265	chr19	44269315	44269656	342	+	MACS_peak_5403	177.21
##	2266	chr19	44455198	44455666	469	+	MACS_peak_5406	224.79
##	2267	chr19	44576037	44576470	434	+	MACS_peak_5407	269.84
##	2268	chr19	44808971	44809395	425	+	MACS_peak_5408	199.56
##	2269	chr19	45147163	45147436	274	+	MACS_peak_5410	245.69
##	2270	chr19	45180604	45180795	192	+	MACS_peak_5412	138.85
##	2271	chr19	45596411	45596676	266	+	MACS_peak_5417	114.28
##	2272	chr19	45971190	45971321	132	+	MACS_peak_5422	377.95
##	2273	chr19	45996341	45996507	167	+	MACS_peak_5423	115.01
##	2274	chr19	46174353	46174520	168	+	MACS_peak_5425	132.98
##	2275	chr19	46184742	46184935	194	+	MACS_peak_5426	188.05
##	2276	chr19	46271685	46271842	158	+	MACS_peak_5428	124.27
##	2277	chr19	46283072	46283332	261	+	MACS_peak_5429	138.68
##	2278	chr19	46404847	46405267	421	+	MACS_peak_5430	301.36
##	2279	chr19	46916805	46917029	225	+	MACS_peak_5432	194.50
##	2280	chr19	47289932	47290183	252	+	MACS_peak_5435	178.16
##	2281	chr19	47290564	47290800	237	+	MACS_peak_5436	92.38
##	2282	chr19	47538319	47538560	242	+	MACS_peak_5439	266.33
##	2283	chr19	47729425	47729769	345	+	MACS_peak_5442	135.29
##	2284	chr19	47760373	47760475	103	+	MACS_peak_5444	568.31
##	2285	chr19	48423594	48423685	92	+	MACS_peak_5450	82.49
##	2286	chr19	48801787	48801982	196	+	MACS_peak_5453	81.02
##	2287	chr19	48824944	48825249	306	+	MACS_peak_5454	154.94
##	2288	chr19	48833525	48833802	278	+	MACS_peak_5455	116.61
##	2289	chr19	48866568	48866813	246	+	MACS_peak_5456	127.27
##	2290	chr19	49137733	49138052	320	+	MACS_peak_5462	81.57
##	2291	chr19	49377488	49378087	600	+	MACS_peak_5464	369.77
##	2292	chr19	49399700	49399838	139	+	MACS_peak_5465	275.72
##	2293	chr19	49588883	49589037	155	+	MACS_peak_5468	628.54
##	2294	chr19	49982164	49982332	169	+	MACS_peak_5475	88.52
##	2295	chr19	50220883	50221165	283	+	MACS_peak_5480	141.03
##	2296	chr19	50249790	50250074	285	+	MACS_peak_5481	932.52
##	2297	chr19	50393340	50393688	349	+	MACS_peak_5483	143.88
##	2298	chr19	50432323	50432505	183	+	MACS_peak_5484	100.09
##	2299	chr19	50879486	50879898	413	+	MACS_peak_5487	102.25
##	2300	chr19	50934809	50934987	179	+	MACS_peak_5488	580.45
##	2301	chr19	50979983	50980325	343	+	MACS_peak_5489	176.33
##	2302	chr19	51149838	51150110	273	+	MACS_peak_5490	420.81
##	2303	chr19	51158821	51159081	261	+	MACS_peak_5491	282.56
##	2304	chr19	51307696	51307907	212	+	MACS_peak_5494	110.58
##	2305	chr19	52531408	52531661	254	+	MACS_peak_5498	851.54
##	2306	chr19	52800161	52800308	148	+	MACS_peak_5502	362.18
##	2307	chr19	53445477	53445760	284	+	MACS_peak_5507	81.39
##	2308	chr19	54704582	54704864	283	+	MACS_peak_5514	104.28
##	2309	chr19	54974286	54974823	538	+	MACS_peak_5516	118.22
##	2310	chr19	55629356	55629535	180	+	MACS_peak_5518	172.08
##	2311	chr19	55791522	55791613	92	+	MACS_peak_5520	128.77
##	2312	chr19	55919100	55919558	459	+	MACS_peak_5523	161.05
##	2313	chr19	55948833	55949047	215	+	MACS_peak_5524	101.35
##	2314	chr19	55987573	55987809	237	+	MACS_peak_5526	159.13

##	2315	chr19	57078905	57079366	462	+	MACS_peak_5529	97.06
##	2316	chr19	57106510	57106987	478	+	MACS_peak_5530	531.99
##	2317	chr19	57791903	57792019	117	+	MACS_peak_5531	140.78
##	2318	chr19	57901266	57901541	276	+	MACS_peak_5534	136.63
##	2319	chr19	58694464	58694723	260	+	MACS_peak_5542	120.19
##	2320	chr19	58913321	58913556	236	+	MACS_peak_5545	128.22
##	2321	chr19	59030991	59031344	354	+	MACS_peak_5546	115.16
##	2322	chr19	59055318	59055544	227	+	MACS_peak_5547	119.29
##	2323	chr19	59092750	59092958	209	+	MACS_peak_5550	139.11
##	2324	chr2	1584737	1585342	606	+	MACS_peak_5554	634.50
##	2325	chr2	3605853	3606140	288	+	MACS_peak_5555	165.70
##	2326	chr2	7005652	7005906	255	+	MACS_peak_5557	97.47
##	2327	chr2	7057536	7057738	203	+	MACS_peak_5558	83.95
##	2328	chr2	8822184	8822270	87	+	MACS_peak_5560	937.36
##	2329	chr2	8825601	8826025	425	+	MACS_peak_5562	115.30
##	2330	chr2	9771347	9771541	195	+	MACS_peak_5570	1030.24
##	2331	chr2	10183740	10184048	309	+	MACS_peak_5573	166.95
##	2332	chr2	10262628	10262913	286	+	MACS_peak_5576	102.66
##	2333	chr2	10587997	10588356	360	+	MACS_peak_5579	130.40
##	2334	chr2	10861810	10862168	359	+	MACS_peak_5582	1168.45
##	2335	chr2	10952567	10952917	351	+	MACS_peak_5583	112.36
##	2336	chr2	11052105	11052309	205	+	MACS_peak_5585	275.87
##	2337	chr2	11295627	11295816	190	+	MACS_peak_5588	235.44
##	2338	chr2	11484782	11485096	315	+	MACS_peak_5589	83.26
##	2339	chr2	20424414	20424770	357	+	MACS_peak_5595	106.19
##	2340	chr2	20550036	20550147	112	+	MACS_peak_5596	176.75
##	2341	chr2	20866514	20866817	304	+	MACS_peak_5600	97.55
##	2342	chr2	24149323	24149479	157	+	MACS_peak_5603	81.77
##	2343	chr2	24273048	24273342	295	+	MACS_peak_5604	351.28
##	2344	chr2	24713633	24713971	339	+	MACS_peak_5606	206.68
##	2345	chr2	25301386	25301479	94	+	MACS_peak_5609	141.89
##	2346	chr2	25896046	25896821	776	+	MACS_peak_5612	335.27
##	2347	chr2	26256119	26256354	236	+	MACS_peak_5615	99.48
##	2348	chr2	26699097	26699269	173	+	MACS_peak_5618	106.61
##	2349	chr2	26811802	26812149	348	+	MACS_peak_5619	175.27
##	2350	chr2	27069368	27069531	164	+	MACS_peak_5623	442.49
##	2351	chr2	27255601	27255982	382	+	MACS_peak_5625	165.70
##	2352	chr2	27356925	27357416	492	+	MACS_peak_5627	111.18
##	2353	chr2	27435063	27435530	468	+	MACS_peak_5629	133.14
##	2354	chr2	27485382	27486007	626	+	MACS_peak_5631	316.21
##	2355	chr2	27592667	27592909	243	+	MACS_peak_5632	161.90
##	2356	chr2	27603428	27603805	378	+	MACS_peak_5633	157.78
##	2357	chr2	27632575	27632758	184	+	MACS_peak_5634	1927.82
##	2358	chr2	27651278	27651917	640	+	MACS_peak_5635	95.64
##	2359	chr2	28974821	28974979	159	+	MACS_peak_5643	271.82
##	2360	chr2	29117314	29117491	178	+	MACS_peak_5646	186.55
##	2361	chr2	30369635	30370005	371	+	MACS_peak_5650	232.33
##	2362	chr2	30455377	30455603	227	+	MACS_peak_5652	94.98
##	2363	chr2	32288829	32289103	275	+	MACS_peak_5657	103.03
##	2364	chr2	32390572	32390889	318	+	MACS_peak_5658	103.07
##	2365	chr2	32398189	32398398	210	+	MACS_peak_5659	144.82
##	2366	chr2	32581981	32582436	456	+	MACS_peak_5661	101.43
##	2367	chr2	33172738	33173064	327	+	MACS_peak_5662	146.08
##	2368	chr2	37193959	37194376	418	+	MACS_peak_5670	88.05

##	2369	chr2	37311054	37311420	367	+	MACS_peak_5671	131.11
##	2370	chr2	37423838	37424363	526	+	MACS_peak_5673	134.86
##	2371	chr2	37551821	37552151	331	+	MACS_peak_5674	103.47
##	2372	chr2	38152606	38152903	298	+	MACS_peak_5676	94.86
##	2373	chr2	38304100	38304479	380	+	MACS_peak_5677	166.02
##	2374	chr2	38829579	38830206	628	+	MACS_peak_5681	162.51
##	2375	chr2	38978365	38978509	145	+	MACS_peak_5682	348.50
##	2376	chr2	42068278	42068536	259	+	MACS_peak_5691	661.76
##	2377	chr2	42588044	42588351	308	+	MACS_peak_5697	112.74
##	2378	chr2	42720941	42721350	410	+	MACS_peak_5698	317.41
##	2379	chr2	43037292	43037559	268	+	MACS_peak_5700	208.38
##	2380	chr2	43451745	43452247	503	+	MACS_peak_5701	122.81
##	2381	chr2	43453573	43453813	241	+	MACS_peak_5702	85.45
##	2382	chr2	44314360	44314519	160	+	MACS_peak_5704	506.24
##	2383	chr2	44395033	44395170	138	+	MACS_peak_5705	87.20
##	2384	chr2	44396303	44396865	563	+	MACS_peak_5706	338.08
##	2385	chr2	45237516	45237737	222	+	MACS_peak_5708	111.54
##	2386	chr2	45877126	45877332	207	+	MACS_peak_5710	117.16
##	2387	chr2	45879970	45880126	157	+	MACS_peak_5711	104.60
##	2388	chr2	46844022	46844185	164	+	MACS_peak_5717	259.98
##	2389	chr2	47402510	47402887	378	+	MACS_peak_5720	98.26
##	2390	chr2	48042057	48042319	263	+	MACS_peak_5725	318.39
##	2391	chr2	48133104	48133565	462	+	MACS_peak_5727	107.58
##	2392	chr2	48338633	48338921	289	+	MACS_peak_5732	410.08
##	2393	chr2	53994819	53994987	169	+	MACS_peak_5738	106.78
##	2394	chr2	54197352	54197685	334	+	MACS_peak_5739	120.41
##	2395	chr2	55646583	55647106	524	+	MACS_peak_5744	193.83
##	2396	chr2	55844827	55844887	61	+	MACS_peak_5746	199.11
##	2397	chr2	58273716	58274115	400	+	MACS_peak_5749	89.75
##	2398	chr2	58468381	58468683	303	+	MACS_peak_5751	287.66
##	2399	chr2	61292752	61293096	345	+	MACS_peak_5763	93.42
##	2400	chr2	61698128	61698353	226	+	MACS_peak_5767	151.83
##	2401	chr2	61763722	61764002	281	+	MACS_peak_5769	208.87
##	2402	chr2	61765325	61765445	121	+	MACS_peak_5771	169.74
##	2403	chr2	61847851	61848132	282	+	MACS_peak_5773	312.62
##	2404	chr2	62132606	62132785	180	+	MACS_peak_5776	1215.61
##	2405	chr2	64069652	64069870	219	+	MACS_peak_5782	248.98
##	2406	chr2	64245905	64246270	366	+	MACS_peak_5783	144.16
##	2407	chr2	64370978	64371155	178	+	MACS_peak_5785	120.92
##	2408	chr2	64682000	64682220	221	+	MACS_peak_5786	834.15
##	2409	chr2	65216166	65216369	204	+	MACS_peak_5791	406.70
##	2410	chr2	65657741	65657852	112	+	MACS_peak_5794	97.29
##	2411	chr2	65659127	65659819	693	+	MACS_peak_5795	170.57
##	2412	chr2	65663019	65663520	502	+	MACS_peak_5796	192.78
##	2413	chr2	65663713	65664056	344	+	MACS_peak_5797	99.53
##	2414	chr2	66802955	66803116	162	+	MACS_peak_5803	83.84
##	2415	chr2	68546510	68546919	410	+	MACS_peak_5808	589.61
##	2416	chr2	68870818	68871149	332	+	MACS_peak_5810	123.60
##	2417	chr2	69240328	69240547	220	+	MACS_peak_5813	106.68
##	2418	chr2	69534461	69534668	208	+	MACS_peak_5815	547.48
##	2419	chr2	70129635	70130005	371	+	MACS_peak_5817	654.37
##	2420	chr2	70351140	70351462	323	+	MACS_peak_5820	121.71
##	2421	chr2	70484990	70485152	163	+	MACS_peak_5822	272.81
##	2422	chr2	70520583	70520834	252	+	MACS_peak_5823	259.98

## 2423	chr2	70528477	70528745	269	+	MACS_peak_5824	107.84
## 2424	chr2	70781267	70781545	279	+	MACS_peak_5825	89.47
## 2425	chr2	71128441	71129175	735	+	MACS_peak_5830	286.88
## 2426	chr2	71453995	71454267	273	+	MACS_peak_5833	189.48
## 2427	chr2	71454732	71454934	203	+	MACS_peak_5834	87.00
## 2428	chr2	71559275	71559521	247	+	MACS_peak_5837	253.81
## 2429	chr2	73340626	73340737	112	+	MACS_peak_5839	86.77
## 2430	chr2	73404371	73404700	330	+	MACS_peak_5840	95.02
## 2431	chr2	73460669	73460879	211	+	MACS_peak_5841	114.41
## 2432	chr2	73518429	73518860	432	+	MACS_peak_5842	224.90
## 2433	chr2	74425614	74425882	269	+	MACS_peak_5843	477.68
## 2434	chr2	74667606	74667717	112	+	MACS_peak_5845	193.82
## 2435	chr2	74684543	74684736	194	+	MACS_peak_5846	175.35
## 2436	chr2	74756587	74756746	160	+	MACS_peak_5850	88.15
## 2437	chr2	74776421	74776684	264	+	MACS_peak_5852	85.19
## 2438	chr2	74781184	74781488	305	+	MACS_peak_5853	108.32
## 2439	chr2	75937543	75937743	201	+	MACS_peak_5860	97.60
## 2440	chr2	85765930	85766424	495	+	MACS_peak_5870	341.47
## 2441	chr2	85838827	85839100	274	+	MACS_peak_5872	87.02
## 2442	chr2	85843407	85843566	160	+	MACS_peak_5873	111.76
## 2443	chr2	86116343	86116675	333	+	MACS_peak_5875	177.75
## 2444	chr2	87034412	87034775	364	+	MACS_peak_5877	743.07
## 2445	chr2	87035740	87035825	86	+	MACS_peak_5878	194.23
## 2446	chr2	87755446	87755596	151	+	MACS_peak_5879	195.76
## 2447	chr2	88354934	88355448	515	+	MACS_peak_5880	164.18
## 2448	chr2	88499953	88500058	106	+	MACS_peak_5881	94.98
## 2449	chr2	88990835	88991082	248	+	MACS_peak_5884	467.72
## 2450	chr2	95401394	95401543	150	+	MACS_peak_5890	278.05
## 2451	chr2	95825524	95825771	248	+	MACS_peak_5891	118.86
## 2452	chr2	96658390	96658594	205	+	MACS_peak_5896	83.22
## 2453	chr2	96676298	96676604	307	+	MACS_peak_5897	168.71
## 2454	chr2	96782337	96782552	216	+	MACS_peak_5898	147.24
## 2455	chr2	96931419	96931691	273	+	MACS_peak_5900	88.45
## 2456	chr2	97303674	97303785	112	+	MACS_peak_5902	125.02
## 2457	chr2	97352014	97352177	164	+	MACS_peak_5905	183.19
## 2458	chr2	97760387	97760589	203	+	MACS_peak_5906	129.65
## 2459	chr2	98611841	98612217	377	+	MACS_peak_5908	119.09
## 2460	chr2	98612753	98612936	184	+	MACS_peak_5909	200.51
## 2461	chr2	98698382	98698581	200	+	MACS_peak_5911	200.62
## 2462	chr2	99552535	99552771	237	+	MACS_peak_5914	93.42
## 2463	chr2	99797435	99797750	316	+	MACS_peak_5916	94.71
## 2464	chr2	99953512	99953793	282	+	MACS_peak_5917	124.29
## 2465	chr2	100106734	100106934	201	+	MACS_peak_5919	119.25
## 2466	chr2	101618349	101618685	337	+	MACS_peak_5921	129.04
## 2467	chr2	101869306	101869719	414	+	MACS_peak_5923	153.94
## 2468	chr2	101924836	101925137	302	+	MACS_peak_5924	132.16
## 2469	chr2	102313739	102313982	244	+	MACS_peak_5925	89.69
## 2470	chr2	107198712	107198779	68	+	MACS_peak_5931	139.43
## 2471	chr2	109403474	109403622	149	+	MACS_peak_5936	172.08
## 2472	chr2	109648002	109648227	226	+	MACS_peak_5940	410.48
## 2473	chr2	109744764	109745286	523	+	MACS_peak_5941	154.45
## 2474	chr2	110371255	110371532	278	+	MACS_peak_5944	390.23
## 2475	chr2	110372117	110372393	277	+	MACS_peak_5945	97.42
## 2476	chr2	110970122	110970310	189	+	MACS_peak_5950	141.86

## 2477	chr2	111334459	111334719	261	+	MACS_peak_5951	151.61
## 2478	chr2	111878032	111878886	855	+	MACS_peak_5952	374.05
## 2479	chr2	111879806	111880040	235	+	MACS_peak_5953	103.38
## 2480	chr2	112656196	112656729	534	+	MACS_peak_5957	139.97
## 2481	chr2	113190914	113191121	208	+	MACS_peak_5960	112.74
## 2482	chr2	114647161	114647383	223	+	MACS_peak_5968	200.39
## 2483	chr2	118771372	118771770	399	+	MACS_peak_5971	1921.50
## 2484	chr2	119532066	119532277	212	+	MACS_peak_5973	202.46
## 2485	chr2	120124809	120125181	373	+	MACS_peak_5977	175.64
## 2486	chr2	120578022	120578116	95	+	MACS_peak_5980	194.49
## 2487	chr2	120980768	120981087	320	+	MACS_peak_5981	129.53
## 2488	chr2	121010695	121010996	302	+	MACS_peak_5982	115.97
## 2489	chr2	121102705	121103104	400	+	MACS_peak_5983	143.88
## 2490	chr2	121494189	121494527	339	+	MACS_peak_5986	99.33
## 2491	chr2	122042713	122042942	230	+	MACS_peak_5989	724.22
## 2492	chr2	128051181	128051597	417	+	MACS_peak_5996	135.62
## 2493	chr2	128459158	128459865	708	+	MACS_peak_5999	467.61
## 2494	chr2	128615502	128615898	397	+	MACS_peak_6001	204.73
## 2495	chr2	128643056	128643587	532	+	MACS_peak_6002	331.34
## 2496	chr2	130737342	130737627	286	+	MACS_peak_6008	88.52
## 2497	chr2	132121483	132121825	343	+	MACS_peak_6013	112.82
## 2498	chr2	133173859	133174287	429	+	MACS_peak_6017	139.44
## 2499	chr2	135875072	135875341	270	+	MACS_peak_6020	2811.63
## 2500	chr2	136874826	136875055	230	+	MACS_peak_6021	164.31
## 2501	chr2	136875576	136875887	312	+	MACS_peak_6022	154.53
## 2502	chr2	137647906	137648023	118	+	MACS_peak_6023	245.77
## 2503	chr2	145089595	145090067	473	+	MACS_peak_6029	104.54
## 2504	chr2	147163311	147163533	223	+	MACS_peak_6032	137.73
## 2505	chr2	148601633	148601914	282	+	MACS_peak_6036	95.26
## 2506	chr2	148778050	148778297	248	+	MACS_peak_6038	189.13
## 2507	chr2	150186466	150186823	358	+	MACS_peak_6040	151.12
## 2508	chr2	153032159	153032389	231	+	MACS_peak_6047	80.05
## 2509	chr2	154728409	154728587	179	+	MACS_peak_6051	97.75
## 2510	chr2	157190569	157191391	823	+	MACS_peak_6055	269.03
## 2511	chr2	157198032	157198364	333	+	MACS_peak_6056	105.25
## 2512	chr2	157256906	157257123	218	+	MACS_peak_6058	86.77
## 2513	chr2	159314010	159314655	646	+	MACS_peak_6062	463.42
## 2514	chr2	160472072	160472401	330	+	MACS_peak_6069	252.90
## 2515	chr2	160472936	160473062	127	+	MACS_peak_6070	523.62
## 2516	chr2	160569139	160569526	388	+	MACS_peak_6071	308.11
## 2517	chr2	164204703	164205255	553	+	MACS_peak_6075	304.54
## 2518	chr2	164657521	164657645	125	+	MACS_peak_6077	263.37
## 2519	chr2	165697482	165697812	331	+	MACS_peak_6078	190.25
## 2520	chr2	165698271	165698794	524	+	MACS_peak_6079	138.01
## 2521	chr2	166810074	166810259	186	+	MACS_peak_6083	96.06
## 2522	chr2	167231944	167232407	464	+	MACS_peak_6084	87.88
## 2523	chr2	168149451	168149746	296	+	MACS_peak_6085	487.41
## 2524	chr2	169102969	169103781	813	+	MACS_peak_6086	127.20
## 2525	chr2	170589916	170590407	492	+	MACS_peak_6090	177.35
## 2526	chr2	171785563	171786003	441	+	MACS_peak_6095	290.77
## 2527	chr2	172864587	172864894	308	+	MACS_peak_6105	178.71
## 2528	chr2	172902542	172902958	417	+	MACS_peak_6106	106.75
## 2529	chr2	172949743	172950084	342	+	MACS_peak_6108	91.84
## 2530	chr2	172964733	172964934	202	+	MACS_peak_6111	114.18

## 2531	chr2	173102518	173102895	378	+	MACS_peak_6113	208.88
## 2532	chr2	173420893	173421212	320	+	MACS_peak_6115	728.45
## 2533	chr2	174830302	174830600	299	+	MACS_peak_6123	319.79
## 2534	chr2	174904504	174904797	294	+	MACS_peak_6124	151.37
## 2535	chr2	175113457	175113614	158	+	MACS_peak_6125	206.42
## 2536	chr2	175200760	175202203	1444	+	MACS_peak_6127	403.92
## 2537	chr2	175870114	175870395	282	+	MACS_peak_6132	94.08
## 2538	chr2	176458811	176459280	470	+	MACS_peak_6136	131.79
## 2539	chr2	176995102	176995484	383	+	MACS_peak_6139	82.58
## 2540	chr2	177001323	177001670	348	+	MACS_peak_6140	98.90
## 2541	chr2	178077600	178078017	418	+	MACS_peak_6143	106.32
## 2542	chr2	178977130	178977864	735	+	MACS_peak_6147	162.65
## 2543	chr2	179059762	179060149	388	+	MACS_peak_6148	258.02
## 2544	chr2	179278385	179278632	248	+	MACS_peak_6149	310.97
## 2545	chr2	182322142	182322413	272	+	MACS_peak_6158	90.37
## 2546	chr2	182521532	182521903	372	+	MACS_peak_6159	246.25
## 2547	chr2	182756468	182756977	510	+	MACS_peak_6160	157.36
## 2548	chr2	183814295	183814496	202	+	MACS_peak_6163	131.49
## 2549	chr2	183902815	183903210	396	+	MACS_peak_6165	286.04
## 2550	chr2	185463125	185463392	268	+	MACS_peak_6166	174.72
## 2551	chr2	187351055	187351290	236	+	MACS_peak_6169	520.74
## 2552	chr2	187454752	187455026	275	+	MACS_peak_6171	326.87
## 2553	chr2	187558703	187558909	207	+	MACS_peak_6172	110.76
## 2554	chr2	191184429	191184790	362	+	MACS_peak_6176	114.78
## 2555	chr2	191399207	191399468	262	+	MACS_peak_6178	111.47
## 2556	chr2	191745155	191745701	547	+	MACS_peak_6179	91.10
## 2557	chr2	191844720	191844966	247	+	MACS_peak_6180	89.78
## 2558	chr2	191885087	191885378	292	+	MACS_peak_6181	144.36
## 2559	chr2	192186684	192187025	342	+	MACS_peak_6184	131.36
## 2560	chr2	192542490	192542716	227	+	MACS_peak_6185	314.90
## 2561	chr2	193059330	193059672	343	+	MACS_peak_6187	354.11
## 2562	chr2	197457600	197458461	862	+	MACS_peak_6195	144.47
## 2563	chr2	198380607	198381011	405	+	MACS_peak_6204	132.55
## 2564	chr2	200323425	200323703	279	+	MACS_peak_6210	85.36
## 2565	chr2	201753478	201753639	162	+	MACS_peak_6218	133.81
## 2566	chr2	201766256	201766397	142	+	MACS_peak_6220	216.67
## 2567	chr2	201983070	201983738	669	+	MACS_peak_6223	271.26
## 2568	chr2	202316042	202316197	156	+	MACS_peak_6225	110.02
## 2569	chr2	202517379	202517441	63	+	MACS_peak_6226	149.18
## 2570	chr2	202753131	202753436	306	+	MACS_peak_6227	121.87
## 2571	chr2	203879602	203879860	259	+	MACS_peak_6237	358.45
## 2572	chr2	206547014	206547135	122	+	MACS_peak_6245	125.52
## 2573	chr2	207308231	207308805	575	+	MACS_peak_6248	141.23
## 2574	chr2	207630184	207630433	250	+	MACS_peak_6249	101.24
## 2575	chr2	207910907	207911257	351	+	MACS_peak_6250	156.62
## 2576	chr2	208030466	208030736	271	+	MACS_peak_6251	184.54
## 2577	chr2	208031281	208031519	239	+	MACS_peak_6252	84.30
## 2578	chr2	208394287	208394450	164	+	MACS_peak_6258	107.80
## 2579	chr2	208576263	208576397	135	+	MACS_peak_6261	244.52
## 2580	chr2	209130923	209131169	247	+	MACS_peak_6263	178.37
## 2581	chr2	210288673	210288941	269	+	MACS_peak_6265	104.60
## 2582	chr2	210636415	210636739	325	+	MACS_peak_6267	135.95
## 2583	chr2	214016748	214017093	346	+	MACS_peak_6270	341.11
## 2584	chr2	215674173	215674426	254	+	MACS_peak_6272	206.68

## 2585	chr2	217497658	217498273	616	+	MACS_peak_6276	229.28
## 2586	chr2	217558912	217559269	358	+	MACS_peak_6277	98.75
## 2587	chr2	218723447	218723657	211	+	MACS_peak_6279	142.11
## 2588	chr2	219081680	219082017	338	+	MACS_peak_6280	254.84
## 2589	chr2	219188362	219188854	493	+	MACS_peak_6281	186.19
## 2590	chr2	219575719	219576097	379	+	MACS_peak_6283	214.78
## 2591	chr2	220041258	220041515	258	+	MACS_peak_6289	240.32
## 2592	chr2	220395042	220395222	181	+	MACS_peak_6294	1045.95
## 2593	chr2	220435694	220436096	403	+	MACS_peak_6295	222.32
## 2594	chr2	221410938	221411082	145	+	MACS_peak_6298	528.43
## 2595	chr2	223520632	223520834	203	+	MACS_peak_6303	430.56
## 2596	chr2	224903665	224903994	330	+	MACS_peak_6309	251.46
## 2597	chr2	228336856	228337315	460	+	MACS_peak_6315	130.95
## 2598	chr2	230931797	230931902	106	+	MACS_peak_6320	94.68
## 2599	chr2	231577259	231577598	340	+	MACS_peak_6322	147.47
## 2600	chr2	231578285	231578603	319	+	MACS_peak_6323	122.89
## 2601	chr2	233388851	233389119	269	+	MACS_peak_6333	96.50
## 2602	chr2	233403440	233403697	258	+	MACS_peak_6334	462.77
## 2603	chr2	236402407	236402618	212	+	MACS_peak_6349	132.14
## 2604	chr2	236731087	236731407	321	+	MACS_peak_6352	229.99
## 2605	chr2	237076065	237076360	296	+	MACS_peak_6353	523.11
## 2606	chr2	237076685	237076948	264	+	MACS_peak_6354	90.52
## 2607	chr2	238200129	238200293	165	+	MACS_peak_6357	374.16
## 2608	chr2	238330152	238330451	300	+	MACS_peak_6360	410.64
## 2609	chr2	238600807	238601087	281	+	MACS_peak_6363	264.73
## 2610	chr2	238969304	238970396	1093	+	MACS_peak_6367	264.23
## 2611	chr2	239007264	239007386	123	+	MACS_peak_6368	169.23
## 2612	chr2	239148218	239148411	194	+	MACS_peak_6369	321.53
## 2613	chr2	240869355	240869455	101	+	MACS_peak_6376	94.15
## 2614	chr2	242908098	242908324	227	+	MACS_peak_6385	193.57
## 2615	chr20	278038	278902	865	+	MACS_peak_6388	114.05
## 2616	chr20	305020	305291	272	+	MACS_peak_6389	374.17
## 2617	chr20	362400	362735	336	+	MACS_peak_6395	108.10
## 2618	chr20	709100	709204	105	+	MACS_peak_6398	185.97
## 2619	chr20	814116	814229	114	+	MACS_peak_6399	381.48
## 2620	chr20	2082495	2082848	354	+	MACS_peak_6402	119.29
## 2621	chr20	2662701	2663132	432	+	MACS_peak_6405	475.09
## 2622	chr20	3026475	3026588	114	+	MACS_peak_6407	88.66
## 2623	chr20	3220153	3220238	86	+	MACS_peak_6409	133.52
## 2624	chr20	3388619	3388747	129	+	MACS_peak_6410	144.49
## 2625	chr20	3451655	3451920	266	+	MACS_peak_6411	157.73
## 2626	chr20	3749548	3749631	84	+	MACS_peak_6413	131.84
## 2627	chr20	3767354	3767496	143	+	MACS_peak_6414	1099.83
## 2628	chr20	3869257	3869617	361	+	MACS_peak_6416	199.43
## 2629	chr20	4099145	4099486	342	+	MACS_peak_6419	409.87
## 2630	chr20	4667041	4667254	214	+	MACS_peak_6422	98.34
## 2631	chr20	4667608	4667940	333	+	MACS_peak_6423	286.87
## 2632	chr20	5093861	5094143	283	+	MACS_peak_6424	142.49
## 2633	chr20	5892324	5892441	118	+	MACS_peak_6429	285.04
## 2634	chr20	5931154	5931513	360	+	MACS_peak_6430	289.50
## 2635	chr20	5986484	5986782	299	+	MACS_peak_6431	120.78
## 2636	chr20	8000115	8000410	296	+	MACS_peak_6432	89.75
## 2637	chr20	10654900	10655238	339	+	MACS_peak_6438	120.55
## 2638	chr20	11871703	11872208	506	+	MACS_peak_6440	241.43

## 2639	chr20	13619415	13619698	284	+	MACS_peak_6445	117.16
## 2640	chr20	13828981	13829358	378	+	MACS_peak_6447	199.17
## 2641	chr20	14318170	14318318	149	+	MACS_peak_6449	614.46
## 2642	chr20	17661880	17662329	450	+	MACS_peak_6452	97.55
## 2643	chr20	17948885	17949653	769	+	MACS_peak_6454	126.59
## 2644	chr20	18118307	18118649	343	+	MACS_peak_6455	112.75
## 2645	chr20	18487949	18488380	432	+	MACS_peak_6456	151.41
## 2646	chr20	18565775	18565907	133	+	MACS_peak_6457	149.12
## 2647	chr20	19998001	19998199	199	+	MACS_peak_6461	112.98
## 2648	chr20	21283726	21284060	335	+	MACS_peak_6462	180.08
## 2649	chr20	23342880	23343251	372	+	MACS_peak_6463	175.60
## 2650	chr20	25228770	25229218	449	+	MACS_peak_6464	969.39
## 2651	chr20	25371130	25371361	232	+	MACS_peak_6465	611.66
## 2652	chr20	30160796	30160987	192	+	MACS_peak_6473	125.42
## 2653	chr20	30449324	30449509	186	+	MACS_peak_6476	288.17
## 2654	chr20	30945753	30946127	375	+	MACS_peak_6479	414.92
## 2655	chr20	31350149	31350543	395	+	MACS_peak_6483	245.53
## 2656	chr20	32251160	32251544	385	+	MACS_peak_6486	127.04
## 2657	chr20	32581689	32581970	282	+	MACS_peak_6488	153.76
## 2658	chr20	33459418	33459658	241	+	MACS_peak_6492	268.24
## 2659	chr20	33464392	33464623	232	+	MACS_peak_6494	175.71
## 2660	chr20	33680798	33681106	309	+	MACS_peak_6495	83.02
## 2661	chr20	33759566	33759806	241	+	MACS_peak_6497	132.78
## 2662	chr20	34043137	34043550	414	+	MACS_peak_6500	132.55
## 2663	chr20	34252652	34253008	357	+	MACS_peak_6502	211.68
## 2664	chr20	34287351	34287677	327	+	MACS_peak_6503	94.63
## 2665	chr20	34329899	34330203	305	+	MACS_peak_6504	99.48
## 2666	chr20	34542098	34542700	603	+	MACS_peak_6505	377.41
## 2667	chr20	35402011	35402177	167	+	MACS_peak_6509	199.70
## 2668	chr20	35723633	35723977	345	+	MACS_peak_6511	150.20
## 2669	chr20	39317552	39317967	416	+	MACS_peak_6517	105.80
## 2670	chr20	39637049	39637320	272	+	MACS_peak_6518	110.91
## 2671	chr20	39995366	39995518	153	+	MACS_peak_6520	121.04
## 2672	chr20	42295636	42295891	256	+	MACS_peak_6522	1413.16
## 2673	chr20	42839698	42840046	349	+	MACS_peak_6525	94.08
## 2674	chr20	43104310	43104681	372	+	MACS_peak_6528	106.61
## 2675	chr20	43485372	43485746	375	+	MACS_peak_6530	158.80
## 2676	chr20	43717006	43717233	228	+	MACS_peak_6531	153.14
## 2677	chr20	44420218	44420595	378	+	MACS_peak_6533	114.48
## 2678	chr20	44539867	44540051	185	+	MACS_peak_6535	115.91
## 2679	chr20	45317719	45318030	312	+	MACS_peak_6539	144.36
## 2680	chr20	45987618	45987813	196	+	MACS_peak_6541	204.18
## 2681	chr20	46130726	46131042	317	+	MACS_peak_6542	105.03
## 2682	chr20	47507731	47508139	409	+	MACS_peak_6546	262.34
## 2683	chr20	47537655	47537906	252	+	MACS_peak_6547	226.39
## 2684	chr20	47538310	47538698	389	+	MACS_peak_6548	495.44
## 2685	chr20	47803403	47803756	354	+	MACS_peak_6550	143.36
## 2686	chr20	47804508	47804905	398	+	MACS_peak_6551	170.75
## 2687	chr20	47833628	47833864	237	+	MACS_peak_6552	402.41
## 2688	chr20	47894828	47895029	202	+	MACS_peak_6553	1002.54
## 2689	chr20	48100784	48100938	155	+	MACS_peak_6557	84.08
## 2690	chr20	48330308	48330426	119	+	MACS_peak_6559	99.62
## 2691	chr20	48782476	48782673	198	+	MACS_peak_6562	288.96
## 2692	chr20	49341432	49341842	411	+	MACS_peak_6568	90.11

## 2693	chr20	49545969	49546163	195	+	MACS_peak_6570	137.60
## 2694	chr20	49548254	49548493	240	+	MACS_peak_6571	81.57
## 2695	chr20	50808364	50808548	185	+	MACS_peak_6577	218.68
## 2696	chr20	55563115	55563365	251	+	MACS_peak_6588	156.54
## 2697	chr20	56964085	56964254	170	+	MACS_peak_6595	184.54
## 2698	chr20	57464897	57465338	442	+	MACS_peak_6599	103.11
## 2699	chr20	58146837	58147043	207	+	MACS_peak_6600	111.20
## 2700	chr20	58515169	58515524	356	+	MACS_peak_6602	94.86
## 2701	chr20	60641162	60641691	530	+	MACS_peak_6607	419.73
## 2702	chr20	60757813	60757967	155	+	MACS_peak_6608	389.88
## 2703	chr20	60962138	60962363	226	+	MACS_peak_6609	153.75
## 2704	chr20	60982443	60982813	371	+	MACS_peak_6610	176.47
## 2705	chr20	61273834	61274266	433	+	MACS_peak_6611	903.68
## 2706	chr20	61425855	61426038	184	+	MACS_peak_6613	445.41
## 2707	chr20	61640393	61640581	189	+	MACS_peak_6614	88.55
## 2708	chr20	61890613	61890930	318	+	MACS_peak_6615	238.96
## 2709	chr20	62273381	62273629	249	+	MACS_peak_6620	111.09
## 2710	chr20	62339294	62339541	248	+	MACS_peak_6622	246.98
## 2711	chr20	62496576	62496860	285	+	MACS_peak_6623	115.98
## 2712	chr20	62580396	62580711	316	+	MACS_peak_6624	88.47
## 2713	chr20	62714903	62715312	410	+	MACS_peak_6626	183.28
## 2714	chr20	62947991	62948327	337	+	MACS_peak_6627	117.57
## 2715	chr21	15399733	15399922	190	+	MACS_peak_6631	195.00
## 2716	chr21	17102616	17102950	335	+	MACS_peak_6633	93.02
## 2717	chr21	17960701	17960979	279	+	MACS_peak_6634	472.54
## 2718	chr21	18885322	18885666	345	+	MACS_peak_6635	125.02
## 2719	chr21	26979740	26980141	402	+	MACS_peak_6640	114.27
## 2720	chr21	30375103	30375244	142	+	MACS_peak_6642	364.93
## 2721	chr21	30445766	30445981	216	+	MACS_peak_6643	615.99
## 2722	chr21	30671151	30671379	229	+	MACS_peak_6645	429.86
## 2723	chr21	30672363	30672523	161	+	MACS_peak_6646	149.86
## 2724	chr21	32402155	32402330	176	+	MACS_peak_6647	99.41
## 2725	chr21	33245209	33245975	767	+	MACS_peak_6650	157.99
## 2726	chr21	34144251	34144583	333	+	MACS_peak_6652	205.89
## 2727	chr21	35088572	35088831	260	+	MACS_peak_6661	91.97
## 2728	chr21	35287846	35288117	272	+	MACS_peak_6662	107.17
## 2729	chr21	35987282	35987689	408	+	MACS_peak_6665	149.53
## 2730	chr21	36259145	36259484	340	+	MACS_peak_6666	107.72
## 2731	chr21	36260761	36260968	208	+	MACS_peak_6667	158.71
## 2732	chr21	36261411	36261659	249	+	MACS_peak_6668	204.73
## 2733	chr21	37528976	37529265	290	+	MACS_peak_6670	269.73
## 2734	chr21	37757660	37757949	290	+	MACS_peak_6671	141.84
## 2735	chr21	37802322	37802588	267	+	MACS_peak_6672	436.44
## 2736	chr21	38432679	38432837	159	+	MACS_peak_6673	139.69
## 2737	chr21	38509740	38509913	174	+	MACS_peak_6674	182.68
## 2738	chr21	40685836	40686393	558	+	MACS_peak_6683	110.98
## 2739	chr21	40721516	40721620	105	+	MACS_peak_6684	349.11
## 2740	chr21	43098693	43098970	278	+	MACS_peak_6686	171.38
## 2741	chr21	43429553	43430062	510	+	MACS_peak_6687	202.90
## 2742	chr21	44330570	44330851	282	+	MACS_peak_6691	94.42
## 2743	chr21	44509594	44509753	160	+	MACS_peak_6693	660.88
## 2744	chr21	45138946	45139378	433	+	MACS_peak_6697	81.01
## 2745	chr21	45148317	45148539	223	+	MACS_peak_6698	86.97
## 2746	chr21	45285371	45285608	238	+	MACS_peak_6699	97.67

## 2747	chr21	45432019	45432164	146	+	MACS_peak_6701	283.66
## 2748	chr21	45432562	45432996	435	+	MACS_peak_6702	91.38
## 2749	chr21	45527178	45527547	370	+	MACS_peak_6703	175.68
## 2750	chr21	45719398	45719790	393	+	MACS_peak_6704	124.13
## 2751	chr21	46237561	46237975	415	+	MACS_peak_6706	497.52
## 2752	chr21	46714406	46714689	284	+	MACS_peak_6711	176.38
## 2753	chr21	47649199	47649529	331	+	MACS_peak_6717	111.76
## 2754	chr22	16192806	16193186	381	+	MACS_peak_6722	158.71
## 2755	chr22	17518074	17518246	173	+	MACS_peak_6724	96.92
## 2756	chr22	17601977	17602514	538	+	MACS_peak_6726	152.10
## 2757	chr22	17639576	17639975	400	+	MACS_peak_6727	168.98
## 2758	chr22	17849640	17850220	581	+	MACS_peak_6729	171.92
## 2759	chr22	18121732	18121972	241	+	MACS_peak_6731	90.37
## 2760	chr22	18483698	18484285	588	+	MACS_peak_6733	503.20
## 2761	chr22	18507178	18507437	260	+	MACS_peak_6734	80.56
## 2762	chr22	19418882	19419360	479	+	MACS_peak_6744	137.75
## 2763	chr22	20105052	20105206	155	+	MACS_peak_6752	93.77
## 2764	chr22	20255345	20255645	301	+	MACS_peak_6753	134.34
## 2765	chr22	20306935	20307524	590	+	MACS_peak_6755	135.56
## 2766	chr22	20377889	20378335	447	+	MACS_peak_6756	88.27
## 2767	chr22	20460643	20461052	410	+	MACS_peak_6757	228.39
## 2768	chr22	21056332	21057209	878	+	MACS_peak_6758	148.31
## 2769	chr22	21295362	21295589	228	+	MACS_peak_6761	94.68
## 2770	chr22	21738238	21738696	459	+	MACS_peak_6766	210.60
## 2771	chr22	21904668	21904858	191	+	MACS_peak_6767	232.55
## 2772	chr22	21975472	21975776	305	+	MACS_peak_6768	148.83
## 2773	chr22	22221328	22222099	772	+	MACS_peak_6774	231.23
## 2774	chr22	22306510	22306730	221	+	MACS_peak_6775	185.64
## 2775	chr22	22564898	22565088	191	+	MACS_peak_6776	202.96
## 2776	chr22	23560904	23561248	345	+	MACS_peak_6779	133.52
## 2777	chr22	24110389	24110647	259	+	MACS_peak_6784	258.38
## 2778	chr22	24191784	24192080	297	+	MACS_peak_6788	192.64
## 2779	chr22	24199733	24200016	284	+	MACS_peak_6789	292.94
## 2780	chr22	24407607	24407964	358	+	MACS_peak_6791	104.19
## 2781	chr22	24551918	24552383	466	+	MACS_peak_6792	96.39
## 2782	chr22	24819400	24819716	317	+	MACS_peak_6795	91.31
## 2783	chr22	24951794	24951909	116	+	MACS_peak_6796	161.07
## 2784	chr22	25272005	25272181	177	+	MACS_peak_6797	286.65
## 2785	chr22	27608651	27608841	191	+	MACS_peak_6812	151.78
## 2786	chr22	28074042	28074238	197	+	MACS_peak_6813	111.06
## 2787	chr22	29240274	29240569	296	+	MACS_peak_6819	197.12
## 2788	chr22	29280694	29281239	546	+	MACS_peak_6821	115.93
## 2789	chr22	29664514	29664684	171	+	MACS_peak_6825	111.89
## 2790	chr22	29710312	29710517	206	+	MACS_peak_6826	108.11
## 2791	chr22	29711470	29711634	165	+	MACS_peak_6827	80.28
## 2792	chr22	29866396	29866567	172	+	MACS_peak_6828	724.03
## 2793	chr22	29884930	29886101	1172	+	MACS_peak_6829	183.64
## 2794	chr22	29999542	30000145	604	+	MACS_peak_6831	132.44
## 2795	chr22	30234241	30234497	257	+	MACS_peak_6832	350.29
## 2796	chr22	30592080	30592644	565	+	MACS_peak_6836	99.59
## 2797	chr22	30988229	30988401	173	+	MACS_peak_6839	201.42
## 2798	chr22	31198758	31199061	304	+	MACS_peak_6844	133.26
## 2799	chr22	31371182	31371299	118	+	MACS_peak_6845	230.94
## 2800	chr22	31742912	31743677	766	+	MACS_peak_6848	297.88

##	2801	chr22	31892353	31892860	508	+	MACS_peak_6851	127.83
##	2802	chr22	32026404	32026562	159	+	MACS_peak_6852	205.51
##	2803	chr22	32149518	32149886	369	+	MACS_peak_6854	109.47
##	2804	chr22	32340793	32340993	201	+	MACS_peak_6855	83.49
##	2805	chr22	32446949	32447026	78	+	MACS_peak_6857	97.17
##	2806	chr22	32807840	32808220	381	+	MACS_peak_6858	98.75
##	2807	chr22	32870893	32871379	487	+	MACS_peak_6860	157.12
##	2808	chr22	35627410	35627607	198	+	MACS_peak_6864	146.56
##	2809	chr22	35773144	35773302	159	+	MACS_peak_6865	114.96
##	2810	chr22	35796371	35796683	313	+	MACS_peak_6866	231.62
##	2811	chr22	35985384	35985527	144	+	MACS_peak_6867	104.92
##	2812	chr22	36424336	36424758	423	+	MACS_peak_6868	113.20
##	2813	chr22	36727590	36727891	302	+	MACS_peak_6871	218.66
##	2814	chr22	36806372	36806676	305	+	MACS_peak_6872	140.96
##	2815	chr22	36851029	36851240	212	+	MACS_peak_6873	88.98
##	2816	chr22	36907260	36907673	414	+	MACS_peak_6875	180.08
##	2817	chr22	36925059	36925493	435	+	MACS_peak_6876	127.80
##	2818	chr22	37823267	37823601	335	+	MACS_peak_6882	224.31
##	2819	chr22	38054768	38055042	275	+	MACS_peak_6884	98.77
##	2820	chr22	38072891	38073192	302	+	MACS_peak_6885	83.31
##	2821	chr22	38082418	38082940	523	+	MACS_peak_6886	117.77
##	2822	chr22	38141824	38142075	252	+	MACS_peak_6887	81.48
##	2823	chr22	38239988	38240256	269	+	MACS_peak_6888	93.68
##	2824	chr22	38240571	38240815	245	+	MACS_peak_6889	120.18
##	2825	chr22	38329937	38330075	139	+	MACS_peak_6890	139.97
##	2826	chr22	38576014	38576125	112	+	MACS_peak_6891	117.92
##	2827	chr22	38577485	38577728	244	+	MACS_peak_6892	91.33
##	2828	chr22	38610410	38610731	322	+	MACS_peak_6894	204.14
##	2829	chr22	38966409	38966784	376	+	MACS_peak_6898	89.75
##	2830	chr22	39077805	39078234	430	+	MACS_peak_6899	103.91
##	2831	chr22	39239576	39240098	523	+	MACS_peak_6903	205.90
##	2832	chr22	39919360	39919778	419	+	MACS_peak_6911	85.85
##	2833	chr22	40440365	40440579	215	+	MACS_peak_6915	153.51
##	2834	chr22	41032728	41032955	228	+	MACS_peak_6922	101.63
##	2835	chr22	41048012	41048129	118	+	MACS_peak_6923	108.45
##	2836	chr22	41079138	41079404	267	+	MACS_peak_6924	125.06
##	2837	chr22	41107732	41107906	175	+	MACS_peak_6925	131.70
##	2838	chr22	41110582	41110773	192	+	MACS_peak_6926	91.84
##	2839	chr22	41347019	41347334	316	+	MACS_peak_6930	197.13
##	2840	chr22	41697406	41697901	496	+	MACS_peak_6933	107.14
##	2841	chr22	41809506	41809811	306	+	MACS_peak_6935	139.61
##	2842	chr22	41834709	41834868	160	+	MACS_peak_6936	189.66
##	2843	chr22	41841322	41841598	277	+	MACS_peak_6937	109.43
##	2844	chr22	41865177	41865358	182	+	MACS_peak_6938	92.38
##	2845	chr22	41985704	41985911	208	+	MACS_peak_6939	845.80
##	2846	chr22	42084687	42084928	242	+	MACS_peak_6942	168.97
##	2847	chr22	42228435	42228697	263	+	MACS_peak_6943	108.32
##	2848	chr22	42345654	42345841	188	+	MACS_peak_6945	143.64
##	2849	chr22	42475512	42475864	353	+	MACS_peak_6947	125.48
##	2850	chr22	42764167	42764506	340	+	MACS_peak_6949	117.89
##	2851	chr22	42840239	42840437	199	+	MACS_peak_6950	98.75
##	2852	chr22	43010233	43010580	348	+	MACS_peak_6951	179.05
##	2853	chr22	43253296	43253426	131	+	MACS_peak_6953	177.11
##	2854	chr22	43411382	43411493	112	+	MACS_peak_6954	109.06

##	2855	chr22	43583746	43584001	256	+	MACS_peak_6956	87.20
##	2856	chr22	43659404	43659611	208	+	MACS_peak_6957	154.14
##	2857	chr22	44263784	44264006	223	+	MACS_peak_6962	293.25
##	2858	chr22	44308861	44309243	383	+	MACS_peak_6963	111.33
##	2859	chr22	44419624	44419806	183	+	MACS_peak_6964	141.79
##	2860	chr22	45048508	45048717	210	+	MACS_peak_6968	154.66
##	2861	chr22	45371505	45371792	288	+	MACS_peak_6969	141.91
##	2862	chr22	45949623	45949794	172	+	MACS_peak_6974	109.42
##	2863	chr22	46409567	46409949	383	+	MACS_peak_6976	374.84
##	2864	chr22	46468055	46468293	239	+	MACS_peak_6978	288.98
##	2865	chr22	46663591	46663717	127	+	MACS_peak_6981	90.00
##	2866	chr22	46692427	46692660	234	+	MACS_peak_6982	91.37
##	2867	chr22	47133809	47134399	591	+	MACS_peak_6985	87.43
##	2868	chr22	49661359	49661925	567	+	MACS_peak_6990	142.53
##	2869	chr22	50220020	50220218	199	+	MACS_peak_6992	164.74
##	2870	chr22	50247879	50248089	211	+	MACS_peak_6994	110.32
##	2871	chr22	50438236	50438602	367	+	MACS_peak_6997	129.51
##	2872	chr22	50639638	50639746	109	+	MACS_peak_6999	82.38
##	2873	chr22	50640334	50640433	100	+	MACS_peak_7000	84.41
##	2874	chr22	50780616	50780866	251	+	MACS_peak_7004	140.76
##	2875	chr22	50967939	50968032	94	+	MACS_peak_7006	180.01
##	2876	chr22	51195334	51195630	297	+	MACS_peak_7009	239.08
##	2877	chr22	51221774	51221984	211	+	MACS_peak_7011	124.51
##	2878	chr3	3221065	3221296	232	+	MACS_peak_7014	115.14
##	2879	chr3	4534855	4535275	421	+	MACS_peak_7015	194.44
##	2880	chr3	9438005	9438365	361	+	MACS_peak_7031	108.69
##	2881	chr3	9464529	9464758	230	+	MACS_peak_7034	518.60
##	2882	chr3	9987939	9988304	366	+	MACS_peak_7035	83.06
##	2883	chr3	10068059	10068379	321	+	MACS_peak_7036	89.69
##	2884	chr3	11313982	11314111	130	+	MACS_peak_7038	634.74
##	2885	chr3	11685356	11685536	181	+	MACS_peak_7039	196.59
##	2886	chr3	11761630	11761772	143	+	MACS_peak_7041	102.47
##	2887	chr3	11845486	11845644	159	+	MACS_peak_7042	181.12
##	2888	chr3	12598290	12598767	478	+	MACS_peak_7045	97.91
##	2889	chr3	12705883	12706396	514	+	MACS_peak_7048	225.41
##	2890	chr3	13460870	13461240	371	+	MACS_peak_7054	241.09
##	2891	chr3	14166613	14166877	265	+	MACS_peak_7060	96.22
##	2892	chr3	14219815	14220299	485	+	MACS_peak_7061	92.16
##	2893	chr3	14444164	14444496	333	+	MACS_peak_7063	86.71
##	2894	chr3	14644340	14644532	193	+	MACS_peak_7065	202.97
##	2895	chr3	14990085	14990408	324	+	MACS_peak_7067	284.20
##	2896	chr3	15900518	15900834	317	+	MACS_peak_7070	198.78
##	2897	chr3	16925843	16926526	684	+	MACS_peak_7073	143.89
##	2898	chr3	17783356	17783511	156	+	MACS_peak_7076	104.34
##	2899	chr3	19188504	19188712	209	+	MACS_peak_7081	106.61
##	2900	chr3	19988508	19988553	46	+	MACS_peak_7082	106.86
##	2901	chr3	20082269	20082614	346	+	MACS_peak_7083	86.77
##	2902	chr3	23244490	23244851	362	+	MACS_peak_7086	106.00
##	2903	chr3	23986532	23986952	421	+	MACS_peak_7088	107.14
##	2904	chr3	24535361	24535734	374	+	MACS_peak_7090	104.74
##	2905	chr3	25475561	25475725	165	+	MACS_peak_7096	166.03
##	2906	chr3	25705899	25706267	369	+	MACS_peak_7098	92.75
##	2907	chr3	25824389	25824678	290	+	MACS_peak_7099	109.24
##	2908	chr3	27410580	27410680	101	+	MACS_peak_7100	104.28

## 2909	chr3	27763679	27764027	349	+	MACS_peak_7103	88.13
## 2910	chr3	30648038	30648276	239	+	MACS_peak_7109	255.92
## 2911	chr3	31573630	31573918	289	+	MACS_peak_7110	181.55
## 2912	chr3	31574241	31574793	553	+	MACS_peak_7111	157.63
## 2913	chr3	32433688	32434014	327	+	MACS_peak_7112	281.00
## 2914	chr3	32611577	32612054	478	+	MACS_peak_7114	171.14
## 2915	chr3	33138536	33138896	361	+	MACS_peak_7116	86.87
## 2916	chr3	33155345	33155734	390	+	MACS_peak_7117	91.48
## 2917	chr3	33481790	33482048	259	+	MACS_peak_7119	163.20
## 2918	chr3	38035592	38035857	266	+	MACS_peak_7123	135.65
## 2919	chr3	38040306	38040533	228	+	MACS_peak_7124	411.59
## 2920	chr3	38206729	38207039	311	+	MACS_peak_7127	88.78
## 2921	chr3	38496142	38496360	219	+	MACS_peak_7129	193.48
## 2922	chr3	38496922	38497337	416	+	MACS_peak_7130	161.59
## 2923	chr3	39424670	39424957	288	+	MACS_peak_7137	154.72
## 2924	chr3	39851058	39851405	348	+	MACS_peak_7138	117.24
## 2925	chr3	40351159	40351396	238	+	MACS_peak_7139	92.53
## 2926	chr3	40547486	40547684	199	+	MACS_peak_7140	92.38
## 2927	chr3	42845158	42845630	473	+	MACS_peak_7147	164.03
## 2928	chr3	43020779	43021108	330	+	MACS_peak_7148	194.44
## 2929	chr3	44666311	44666831	521	+	MACS_peak_7155	92.47
## 2930	chr3	44771119	44771325	207	+	MACS_peak_7156	206.68
## 2931	chr3	45209033	45209291	259	+	MACS_peak_7158	139.94
## 2932	chr3	45635692	45636081	390	+	MACS_peak_7162	128.16
## 2933	chr3	45730787	45731210	424	+	MACS_peak_7164	85.45
## 2934	chr3	46923583	46924036	454	+	MACS_peak_7166	675.86
## 2935	chr3	47020878	47021314	437	+	MACS_peak_7167	92.11
## 2936	chr3	47324217	47324353	137	+	MACS_peak_7168	115.23
## 2937	chr3	47504339	47504430	92	+	MACS_peak_7169	106.61
## 2938	chr3	47844843	47845116	274	+	MACS_peak_7173	291.11
## 2939	chr3	48130383	48130909	527	+	MACS_peak_7175	269.78
## 2940	chr3	48229446	48229918	473	+	MACS_peak_7177	93.46
## 2941	chr3	48488239	48488504	266	+	MACS_peak_7179	143.64
## 2942	chr3	48514516	48514747	232	+	MACS_peak_7180	87.36
## 2943	chr3	48699124	48699216	93	+	MACS_peak_7183	82.80
## 2944	chr3	48956296	48956460	165	+	MACS_peak_7188	147.69
## 2945	chr3	49131525	49131974	450	+	MACS_peak_7191	363.19
## 2946	chr3	49761464	49761721	258	+	MACS_peak_7196	101.37
## 2947	chr3	49977573	49977936	364	+	MACS_peak_7198	129.04
## 2948	chr3	50264431	50265082	652	+	MACS_peak_7199	152.26
## 2949	chr3	50336217	50336508	292	+	MACS_peak_7202	406.60
## 2950	chr3	50382842	50383090	249	+	MACS_peak_7204	335.74
## 2951	chr3	50540439	50540988	550	+	MACS_peak_7205	259.04
## 2952	chr3	50649015	50649288	274	+	MACS_peak_7207	170.47
## 2953	chr3	50712346	50712516	171	+	MACS_peak_7209	194.04
## 2954	chr3	51703438	51703631	194	+	MACS_peak_7215	688.59
## 2955	chr3	52279750	52279929	180	+	MACS_peak_7221	82.47
## 2956	chr3	52311663	52311854	192	+	MACS_peak_7222	165.80
## 2957	chr3	52312103	52312421	319	+	MACS_peak_7223	80.58
## 2958	chr3	53231288	53231382	95	+	MACS_peak_7227	277.12
## 2959	chr3	53879892	53880022	131	+	MACS_peak_7229	84.99
## 2960	chr3	53961484	53961811	328	+	MACS_peak_7232	105.48
## 2961	chr3	54156732	54156958	227	+	MACS_peak_7234	165.31
## 2962	chr3	56502269	56502505	237	+	MACS_peak_7238	120.10

## 2963	chr3	57541680	57542502	823	+	MACS_peak_7242	327.59
## 2964	chr3	61547945	61548150	206	+	MACS_peak_7253	1324.13
## 2965	chr3	63849299	63849496	198	+	MACS_peak_7258	113.47
## 2966	chr3	64172836	64173129	294	+	MACS_peak_7262	119.45
## 2967	chr3	64672317	64672525	209	+	MACS_peak_7265	155.60
## 2968	chr3	64673614	64673982	369	+	MACS_peak_7266	180.08
## 2969	chr3	67704767	67705075	309	+	MACS_peak_7275	799.29
## 2970	chr3	69062540	69062886	347	+	MACS_peak_7276	86.37
## 2971	chr3	69435381	69435603	223	+	MACS_peak_7278	205.44
## 2972	chr3	71802940	71803131	192	+	MACS_peak_7283	91.99
## 2973	chr3	72495683	72496112	430	+	MACS_peak_7287	80.77
## 2974	chr3	72496502	72496689	188	+	MACS_peak_7288	82.26
## 2975	chr3	73673274	73673626	353	+	MACS_peak_7296	83.49
## 2976	chr3	73674496	73674800	305	+	MACS_peak_7298	133.21
## 2977	chr3	75483983	75484381	399	+	MACS_peak_7302	123.56
## 2978	chr3	75629111	75629381	271	+	MACS_peak_7304	122.80
## 2979	chr3	77088848	77089131	284	+	MACS_peak_7308	492.46
## 2980	chr3	79068425	79068603	179	+	MACS_peak_7314	166.46
## 2981	chr3	85008113	85008301	189	+	MACS_peak_7315	109.41
## 2982	chr3	85008515	85008797	283	+	MACS_peak_7316	150.39
## 2983	chr3	88107648	88107961	314	+	MACS_peak_7318	93.87
## 2984	chr3	89156588	89157078	491	+	MACS_peak_7319	202.31
## 2985	chr3	93692572	93692781	210	+	MACS_peak_7324	85.01
## 2986	chr3	97540780	97540920	141	+	MACS_peak_7329	204.91
## 2987	chr3	98240888	98241122	235	+	MACS_peak_7330	134.51
## 2988	chr3	98312248	98312680	433	+	MACS_peak_7332	110.06
## 2989	chr3	100211179	100211691	513	+	MACS_peak_7343	88.52
## 2990	chr3	101394970	101395270	301	+	MACS_peak_7346	217.76
## 2991	chr3	105085525	105085675	151	+	MACS_peak_7352	213.42
## 2992	chr3	106959576	106959835	260	+	MACS_peak_7355	114.92
## 2993	chr3	107241797	107242069	273	+	MACS_peak_7357	607.53
## 2994	chr3	107646504	107646863	360	+	MACS_peak_7361	131.74
## 2995	chr3	110790673	110791058	386	+	MACS_peak_7365	308.51
## 2996	chr3	112280515	112280761	247	+	MACS_peak_7370	217.98
## 2997	chr3	112930415	112931017	603	+	MACS_peak_7371	132.66
## 2998	chr3	113666402	113666969	568	+	MACS_peak_7375	141.23
## 2999	chr3	113775103	113775356	254	+	MACS_peak_7376	133.81
## 3000	chr3	114018273	114018427	155	+	MACS_peak_7378	199.16
## 3001	chr3	115377252	115377476	225	+	MACS_peak_7381	343.27
## 3002	chr3	119012768	119013025	258	+	MACS_peak_7386	367.03
## 3003	chr3	119041564	119042118	555	+	MACS_peak_7387	571.77
## 3004	chr3	119217227	119217283	57	+	MACS_peak_7389	87.63
## 3005	chr3	119812641	119813287	647	+	MACS_peak_7393	194.15
## 3006	chr3	120627032	120627533	502	+	MACS_peak_7395	192.78
## 3007	chr3	121468853	121468990	138	+	MACS_peak_7398	207.41
## 3008	chr3	121553680	121554072	393	+	MACS_peak_7399	126.14
## 3009	chr3	121717005	121717261	257	+	MACS_peak_7400	99.41
## 3010	chr3	123679967	123680212	246	+	MACS_peak_7406	652.03
## 3011	chr3	125485317	125485570	254	+	MACS_peak_7415	86.25
## 3012	chr3	125709337	125709563	227	+	MACS_peak_7417	844.92
## 3013	chr3	125931913	125932161	249	+	MACS_peak_7418	141.66
## 3014	chr3	126702841	126702955	115	+	MACS_peak_7419	169.65
## 3015	chr3	127293945	127294200	256	+	MACS_peak_7422	273.38
## 3016	chr3	127309719	127309885	167	+	MACS_peak_7424	136.05

## 3017	chr3	127391338	127391601	264	+	MACS_peak_7425	139.05
## 3018	chr3	127391873	127392170	298	+	MACS_peak_7426	97.02
## 3019	chr3	127771084	127771323	240	+	MACS_peak_7428	1185.58
## 3020	chr3	128206643	128206772	130	+	MACS_peak_7432	154.87
## 3021	chr3	128336834	128336943	110	+	MACS_peak_7434	143.77
## 3022	chr3	129325897	129326067	171	+	MACS_peak_7442	214.97
## 3023	chr3	129721575	129721854	280	+	MACS_peak_7443	89.38
## 3024	chr3	130613055	130613367	313	+	MACS_peak_7448	118.08
## 3025	chr3	131221620	131221765	146	+	MACS_peak_7452	134.11
## 3026	chr3	132360349	132360518	170	+	MACS_peak_7453	179.82
## 3027	chr3	132440789	132441212	424	+	MACS_peak_7455	313.66
## 3028	chr3	133646412	133646506	95	+	MACS_peak_7458	91.92
## 3029	chr3	135915136	135915282	147	+	MACS_peak_7461	103.72
## 3030	chr3	136580478	136580684	207	+	MACS_peak_7462	83.53
## 3031	chr3	137906514	137906909	396	+	MACS_peak_7465	469.33
## 3032	chr3	138048124	138048354	231	+	MACS_peak_7466	104.79
## 3033	chr3	138136539	138136744	206	+	MACS_peak_7467	742.75
## 3034	chr3	138313209	138313571	363	+	MACS_peak_7468	126.51
## 3035	chr3	139108769	139109102	334	+	MACS_peak_7472	128.93
## 3036	chr3	140660631	140660819	189	+	MACS_peak_7473	192.41
## 3037	chr3	141050552	141050703	152	+	MACS_peak_7476	154.77
## 3038	chr3	141087173	141087355	183	+	MACS_peak_7477	83.84
## 3039	chr3	141197609	141197930	322	+	MACS_peak_7478	298.75
## 3040	chr3	141595513	141595746	234	+	MACS_peak_7481	89.46
## 3041	chr3	141868117	141868584	468	+	MACS_peak_7482	238.18
## 3042	chr3	142297220	142297863	644	+	MACS_peak_7484	268.18
## 3043	chr3	142442698	142443269	572	+	MACS_peak_7485	116.89
## 3044	chr3	142607102	142607491	390	+	MACS_peak_7486	173.05
## 3045	chr3	142720341	142720451	111	+	MACS_peak_7487	127.08
## 3046	chr3	142838115	142839505	1391	+	MACS_peak_7488	273.42
## 3047	chr3	143691213	143691524	312	+	MACS_peak_7491	159.04
## 3048	chr3	145878950	145879249	300	+	MACS_peak_7492	200.21
## 3049	chr3	149375651	149375843	193	+	MACS_peak_7498	280.14
## 3050	chr3	149825254	149825556	303	+	MACS_peak_7501	102.77
## 3051	chr3	149901824	149902044	221	+	MACS_peak_7503	175.00
## 3052	chr3	150505669	150505886	218	+	MACS_peak_7508	144.61
## 3053	chr3	150803624	150804504	881	+	MACS_peak_7509	239.10
## 3054	chr3	151986303	151986970	668	+	MACS_peak_7512	227.61
## 3055	chr3	152552642	152553006	365	+	MACS_peak_7513	131.99
## 3056	chr3	152880625	152881039	415	+	MACS_peak_7515	134.58
## 3057	chr3	154146378	154146722	345	+	MACS_peak_7518	161.08
## 3058	chr3	156393041	156393450	410	+	MACS_peak_7523	191.89
## 3059	chr3	156534517	156534964	448	+	MACS_peak_7526	471.03
## 3060	chr3	156806417	156806641	225	+	MACS_peak_7528	135.16
## 3061	chr3	156878126	156878328	203	+	MACS_peak_7529	120.93
## 3062	chr3	157823528	157824227	700	+	MACS_peak_7532	178.02
## 3063	chr3	158362333	158362561	229	+	MACS_peak_7533	82.80
## 3064	chr3	159480900	159481297	398	+	MACS_peak_7537	195.71
## 3065	chr3	160168058	160168257	200	+	MACS_peak_7542	119.75
## 3066	chr3	160283536	160283682	147	+	MACS_peak_7545	152.12
## 3067	chr3	160367506	160367636	131	+	MACS_peak_7546	161.30
## 3068	chr3	160472437	160472990	554	+	MACS_peak_7547	208.96
## 3069	chr3	160473558	160474399	842	+	MACS_peak_7548	206.96
## 3070	chr3	160935509	160935672	164	+	MACS_peak_7550	122.64

## 3071	chr3	167813134	167813395	262	+	MACS_peak_7557	144.14
## 3072	chr3	167967691	167967798	108	+	MACS_peak_7558	110.06
## 3073	chr3	169380070	169380409	340	+	MACS_peak_7560	99.42
## 3074	chr3	169491075	169491501	427	+	MACS_peak_7562	80.52
## 3075	chr3	169684302	169684629	328	+	MACS_peak_7563	102.54
## 3076	chr3	170075131	170075413	283	+	MACS_peak_7565	129.74
## 3077	chr3	170533268	170533422	155	+	MACS_peak_7566	238.58
## 3078	chr3	170587875	170587985	111	+	MACS_peak_7567	110.82
## 3079	chr3	171178477	171179041	565	+	MACS_peak_7569	176.91
## 3080	chr3	171757898	171758421	524	+	MACS_peak_7574	349.41
## 3081	chr3	174158772	174159136	365	+	MACS_peak_7579	106.05
## 3082	chr3	178978895	178979332	438	+	MACS_peak_7581	159.81
## 3083	chr3	179371105	179371368	264	+	MACS_peak_7583	378.68
## 3084	chr3	181429901	181430201	301	+	MACS_peak_7588	110.61
## 3085	chr3	182511584	182512083	500	+	MACS_peak_7591	124.13
## 3086	chr3	182816690	182816989	300	+	MACS_peak_7592	209.95
## 3087	chr3	182971057	182971245	189	+	MACS_peak_7594	138.32
## 3088	chr3	182971759	182972251	493	+	MACS_peak_7595	159.81
## 3089	chr3	183165451	183165684	234	+	MACS_peak_7596	141.86
## 3090	chr3	183353227	183353338	112	+	MACS_peak_7597	222.28
## 3091	chr3	183415670	183415981	312	+	MACS_peak_7598	125.07
## 3092	chr3	184032313	184032500	188	+	MACS_peak_7601	115.74
## 3093	chr3	184231300	184231570	271	+	MACS_peak_7603	324.93
## 3094	chr3	184870208	184870526	319	+	MACS_peak_7604	94.42
## 3095	chr3	185216613	185216842	230	+	MACS_peak_7605	216.91
## 3096	chr3	185962561	185962704	144	+	MACS_peak_7611	142.59
## 3097	chr3	188665290	188665501	212	+	MACS_peak_7618	132.50
## 3098	chr3	190142501	190142675	175	+	MACS_peak_7619	139.43
## 3099	chr3	192634812	192635318	507	+	MACS_peak_7624	459.43
## 3100	chr3	193852091	193852370	280	+	MACS_peak_7628	88.02
## 3101	chr3	194298814	194298951	138	+	MACS_peak_7635	159.54
## 3102	chr3	194457412	194458273	862	+	MACS_peak_7640	249.62
## 3103	chr3	195825807	195826796	990	+	MACS_peak_7648	476.55
## 3104	chr3	196014502	196014749	248	+	MACS_peak_7651	113.24
## 3105	chr3	196466736	196467059	324	+	MACS_peak_7655	344.88
## 3106	chr3	196594651	196594971	321	+	MACS_peak_7656	316.60
## 3107	chr3	196855145	196855399	255	+	MACS_peak_7659	133.76
## 3108	chr3	197463040	197463531	492	+	MACS_peak_7661	162.75
## 3109	chr3	197807066	197807492	427	+	MACS_peak_7662	111.47
## 3110	chr3	197894638	197894794	157	+	MACS_peak_7663	487.80
## 3111	chr4	467805	467928	124	+	MACS_peak_7664	281.37
## 3112	chr4	819293	819842	550	+	MACS_peak_7667	166.05
## 3113	chr4	1161299	1161541	243	+	MACS_peak_7670	99.49
## 3114	chr4	1341111	1341421	311	+	MACS_peak_7671	109.76
## 3115	chr4	1514861	1515097	237	+	MACS_peak_7672	153.16
## 3116	chr4	1523037	1523338	302	+	MACS_peak_7673	101.83
## 3117	chr4	1857627	1857870	244	+	MACS_peak_7679	106.25
## 3118	chr4	1872166	1872398	233	+	MACS_peak_7680	501.38
## 3119	chr4	2243287	2243758	472	+	MACS_peak_7682	187.84
## 3120	chr4	2264111	2264438	328	+	MACS_peak_7683	352.45
## 3121	chr4	3294497	3294661	165	+	MACS_peak_7690	94.08
## 3122	chr4	3533632	3533931	300	+	MACS_peak_7691	93.43
## 3123	chr4	3546104	3546284	181	+	MACS_peak_7692	447.26
## 3124	chr4	3956970	3957126	157	+	MACS_peak_7696	98.70

## 3125	chr4	4109045	4109326	282	+	MACS_peak_7697	155.97
## 3126	chr4	4250086	4250249	164	+	MACS_peak_7699	89.47
## 3127	chr4	4861893	4862234	342	+	MACS_peak_7700	85.69
## 3128	chr4	5712882	5713012	131	+	MACS_peak_7703	170.29
## 3129	chr4	6537439	6537743	305	+	MACS_peak_7704	278.84
## 3130	chr4	6576695	6576966	272	+	MACS_peak_7705	469.77
## 3131	chr4	6711275	6711748	474	+	MACS_peak_7706	386.88
## 3132	chr4	6910999	6911322	324	+	MACS_peak_7708	105.59
## 3133	chr4	6988614	6988660	47	+	MACS_peak_7709	87.87
## 3134	chr4	7044047	7044400	354	+	MACS_peak_7710	94.81
## 3135	chr4	8609467	8609638	172	+	MACS_peak_7715	207.42
## 3136	chr4	8832814	8833078	265	+	MACS_peak_7716	460.59
## 3137	chr4	8862963	8863358	396	+	MACS_peak_7717	792.69
## 3138	chr4	9155018	9155202	185	+	MACS_peak_7719	141.09
## 3139	chr4	9534050	9534314	265	+	MACS_peak_7720	222.26
## 3140	chr4	13629292	13629785	494	+	MACS_peak_7728	103.95
## 3141	chr4	15003507	15003729	223	+	MACS_peak_7730	85.96
## 3142	chr4	15004542	15005052	511	+	MACS_peak_7731	493.28
## 3143	chr4	15682945	15683140	196	+	MACS_peak_7733	943.82
## 3144	chr4	16230152	16230492	341	+	MACS_peak_7734	153.58
## 3145	chr4	17644029	17644317	289	+	MACS_peak_7738	646.69
## 3146	chr4	24585436	24585612	177	+	MACS_peak_7747	220.21
## 3147	chr4	26862734	26863121	388	+	MACS_peak_7758	150.85
## 3148	chr4	36246035	36246259	225	+	MACS_peak_7760	113.83
## 3149	chr4	37688196	37688593	398	+	MACS_peak_7761	180.56
## 3150	chr4	37828340	37828706	367	+	MACS_peak_7762	217.58
## 3151	chr4	39528843	39529165	323	+	MACS_peak_7764	107.17
## 3152	chr4	40058510	40058849	340	+	MACS_peak_7771	188.00
## 3153	chr4	40859083	40859189	107	+	MACS_peak_7772	99.52
## 3154	chr4	41937144	41937557	414	+	MACS_peak_7774	196.29
## 3155	chr4	42658587	42658803	217	+	MACS_peak_7777	113.86
## 3156	chr4	55523814	55524080	267	+	MACS_peak_7787	209.72
## 3157	chr4	56411896	56412090	195	+	MACS_peak_7789	159.00
## 3158	chr4	56915075	56915423	349	+	MACS_peak_7790	80.44
## 3159	chr4	57253610	57253728	119	+	MACS_peak_7792	216.84
## 3160	chr4	57302343	57302648	306	+	MACS_peak_7794	119.45
## 3161	chr4	57333730	57334178	449	+	MACS_peak_7795	136.71
## 3162	chr4	57521408	57522203	796	+	MACS_peak_7797	227.80
## 3163	chr4	57624071	57624222	152	+	MACS_peak_7798	106.61
## 3164	chr4	57687963	57688072	110	+	MACS_peak_7800	141.36
## 3165	chr4	62512588	62512830	243	+	MACS_peak_7803	104.28
## 3166	chr4	66536041	66536287	247	+	MACS_peak_7804	128.05
## 3167	chr4	68410950	68411321	372	+	MACS_peak_7806	109.24
## 3168	chr4	71570208	71570387	180	+	MACS_peak_7810	674.29
## 3169	chr4	71768139	71768422	284	+	MACS_peak_7812	112.23
## 3170	chr4	71859519	71859921	403	+	MACS_peak_7813	100.04
## 3171	chr4	73433587	73433872	286	+	MACS_peak_7816	165.80
## 3172	chr4	77227398	77227663	266	+	MACS_peak_7825	145.30
## 3173	chr4	77870108	77870490	383	+	MACS_peak_7827	93.74
## 3174	chr4	77996390	77997101	712	+	MACS_peak_7828	180.72
## 3175	chr4	78079255	78079496	242	+	MACS_peak_7829	124.51
## 3176	chr4	78739980	78740270	291	+	MACS_peak_7830	83.09
## 3177	chr4	78740892	78741099	208	+	MACS_peak_7831	91.16
## 3178	chr4	78978422	78978592	171	+	MACS_peak_7833	288.87

## 3179	chr4	78979902	78980176	275	+	MACS_peak_7834	112.99
## 3180	chr4	80993952	80994575	624	+	MACS_peak_7835	270.38
## 3181	chr4	81187633	81188015	383	+	MACS_peak_7838	253.19
## 3182	chr4	83294637	83294993	357	+	MACS_peak_7843	252.60
## 3183	chr4	83483065	83483332	268	+	MACS_peak_7846	123.62
## 3184	chr4	83701899	83702070	172	+	MACS_peak_7847	205.05
## 3185	chr4	83719132	83719399	268	+	MACS_peak_7848	89.30
## 3186	chr4	83933655	83934016	362	+	MACS_peak_7850	133.31
## 3187	chr4	84030945	84031121	177	+	MACS_peak_7851	251.27
## 3188	chr4	84406091	84406381	291	+	MACS_peak_7856	89.59
## 3189	chr4	85220229	85220444	216	+	MACS_peak_7860	85.73
## 3190	chr4	85419927	85420421	495	+	MACS_peak_7861	97.80
## 3191	chr4	85503643	85503815	173	+	MACS_peak_7863	115.56
## 3192	chr4	85504439	85504844	406	+	MACS_peak_7864	444.26
## 3193	chr4	85887885	85888114	230	+	MACS_peak_7866	84.30
## 3194	chr4	86396179	86396770	592	+	MACS_peak_7868	115.52
## 3195	chr4	87516296	87516579	284	+	MACS_peak_7870	107.77
## 3196	chr4	87928100	87928330	231	+	MACS_peak_7872	81.73
## 3197	chr4	88312353	88312610	258	+	MACS_peak_7874	115.75
## 3198	chr4	89205820	89205996	177	+	MACS_peak_7879	240.08
## 3199	chr4	89513013	89513213	201	+	MACS_peak_7881	82.07
## 3200	chr4	89514079	89514474	396	+	MACS_peak_7882	89.47
## 3201	chr4	89834206	89834740	535	+	MACS_peak_7883	366.62
## 3202	chr4	92712618	92712896	279	+	MACS_peak_7888	155.42
## 3203	chr4	95128991	95129144	154	+	MACS_peak_7893	90.36
## 3204	chr4	95678838	95679120	283	+	MACS_peak_7895	93.42
## 3205	chr4	95679748	95679904	157	+	MACS_peak_7896	101.08
## 3206	chr4	95762356	95762762	407	+	MACS_peak_7897	98.79
## 3207	chr4	96468673	96469240	568	+	MACS_peak_7899	165.70
## 3208	chr4	96470561	96471046	486	+	MACS_peak_7901	123.47
## 3209	chr4	99182007	99182391	385	+	MACS_peak_7903	175.08
## 3210	chr4	99849353	99849606	254	+	MACS_peak_7905	85.45
## 3211	chr4	99916878	99917240	363	+	MACS_peak_7907	885.98
## 3212	chr4	103265810	103266680	871	+	MACS_peak_7915	110.20
## 3213	chr4	103422157	103422633	477	+	MACS_peak_7916	400.18
## 3214	chr4	103681710	103682086	377	+	MACS_peak_7917	128.75
## 3215	chr4	103748094	103749067	974	+	MACS_peak_7918	316.83
## 3216	chr4	104119165	104119508	344	+	MACS_peak_7921	114.08
## 3217	chr4	105416099	105416516	418	+	MACS_peak_7922	222.26
## 3218	chr4	108746227	108746470	244	+	MACS_peak_7926	93.45
## 3219	chr4	109088961	109089178	218	+	MACS_peak_7927	247.50
## 3220	chr4	109089680	109090129	450	+	MACS_peak_7928	171.14
## 3221	chr4	109101437	109102124	688	+	MACS_peak_7929	327.37
## 3222	chr4	110223794	110224496	703	+	MACS_peak_7931	340.62
## 3223	chr4	110354757	110355187	431	+	MACS_peak_7932	224.59
## 3224	chr4	110624252	110624596	345	+	MACS_peak_7933	257.18
## 3225	chr4	111117948	111118085	138	+	MACS_peak_7935	349.23
## 3226	chr4	111544103	111544324	222	+	MACS_peak_7937	124.15
## 3227	chr4	113066569	113067186	618	+	MACS_peak_7941	109.81
## 3228	chr4	113153174	113153351	178	+	MACS_peak_7942	546.11
## 3229	chr4	113626784	113627238	455	+	MACS_peak_7946	84.08
## 3230	chr4	113739258	113739455	198	+	MACS_peak_7947	193.25
## 3231	chr4	113831336	113831478	143	+	MACS_peak_7950	370.21
## 3232	chr4	114682654	114682883	230	+	MACS_peak_7953	391.20

## 3233	chr4	119199784	119200195	412	+	MACS_peak_7956	246.41
## 3234	chr4	119756949	119757352	404	+	MACS_peak_7958	112.82
## 3235	chr4	120133445	120133938	494	+	MACS_peak_7960	129.82
## 3236	chr4	120376080	120376198	119	+	MACS_peak_7962	141.36
## 3237	chr4	120987693	120987942	250	+	MACS_peak_7964	141.22
## 3238	chr4	121177438	121177583	146	+	MACS_peak_7966	231.79
## 3239	chr4	121843343	121843685	343	+	MACS_peak_7968	152.12
## 3240	chr4	121993369	121993699	331	+	MACS_peak_7970	224.31
## 3241	chr4	122302128	122302343	216	+	MACS_peak_7971	1113.17
## 3242	chr4	122872710	122873092	383	+	MACS_peak_7973	81.25
## 3243	chr4	124319376	124319699	324	+	MACS_peak_7975	94.86
## 3244	chr4	129208407	129208747	341	+	MACS_peak_7980	98.35
## 3245	chr4	129209470	129209874	405	+	MACS_peak_7981	139.22
## 3246	chr4	129474210	129474684	475	+	MACS_peak_7984	363.93
## 3247	chr4	130014441	130014713	273	+	MACS_peak_7986	80.16
## 3248	chr4	135122633	135123075	443	+	MACS_peak_7989	337.65
## 3249	chr4	140004843	140005624	782	+	MACS_peak_7996	90.40
## 3250	chr4	140097642	140097995	354	+	MACS_peak_7998	373.86
## 3251	chr4	140317840	140318109	270	+	MACS_peak_8003	98.63
## 3252	chr4	140910722	140910812	91	+	MACS_peak_8009	220.13
## 3253	chr4	141072158	141072435	278	+	MACS_peak_8010	114.60
## 3254	chr4	141283277	141283531	255	+	MACS_peak_8012	180.34
## 3255	chr4	141294431	141294689	259	+	MACS_peak_8013	886.89
## 3256	chr4	141348004	141348465	462	+	MACS_peak_8014	112.17
## 3257	chr4	141677356	141677928	573	+	MACS_peak_8015	115.36
## 3258	chr4	143767503	143767627	125	+	MACS_peak_8018	159.51
## 3259	chr4	144105961	144106239	279	+	MACS_peak_8019	497.55
## 3260	chr4	145566804	145566956	153	+	MACS_peak_8021	188.41
## 3261	chr4	146101176	146101631	456	+	MACS_peak_8023	230.88
## 3262	chr4	146101895	146102164	270	+	MACS_peak_8024	95.86
## 3263	chr4	146402805	146402900	96	+	MACS_peak_8025	82.19
## 3264	chr4	146654169	146654507	339	+	MACS_peak_8029	208.84
## 3265	chr4	147271212	147271653	442	+	MACS_peak_8031	117.16
## 3266	chr4	149363171	149363563	393	+	MACS_peak_8041	187.65
## 3267	chr4	149363880	149363953	74	+	MACS_peak_8042	114.64
## 3268	chr4	150999366	150999638	273	+	MACS_peak_8044	399.24
## 3269	chr4	152246322	152246943	622	+	MACS_peak_8046	94.35
## 3270	chr4	152682110	152682305	196	+	MACS_peak_8047	100.37
## 3271	chr4	153858169	153858262	94	+	MACS_peak_8051	80.84
## 3272	chr4	154165503	154165653	151	+	MACS_peak_8054	227.58
## 3273	chr4	156589011	156589144	134	+	MACS_peak_8059	110.61
## 3274	chr4	156874680	156875067	388	+	MACS_peak_8061	186.53
## 3275	chr4	156935028	156935151	124	+	MACS_peak_8062	406.29
## 3276	chr4	157892871	157893059	189	+	MACS_peak_8063	94.42
## 3277	chr4	159593315	159593483	169	+	MACS_peak_8065	121.11
## 3278	chr4	159731933	159732083	151	+	MACS_peak_8067	290.39
## 3279	chr4	160024223	160024437	215	+	MACS_peak_8069	979.75
## 3280	chr4	166128459	166128701	243	+	MACS_peak_8076	178.13
## 3281	chr4	166794560	166794753	194	+	MACS_peak_8077	172.10
## 3282	chr4	169552732	169552884	153	+	MACS_peak_8078	110.99
## 3283	chr4	170191509	170191941	433	+	MACS_peak_8080	138.50
## 3284	chr4	170541421	170541849	429	+	MACS_peak_8081	172.22
## 3285	chr4	170678925	170679137	213	+	MACS_peak_8082	2268.08
## 3286	chr4	174292209	174292563	355	+	MACS_peak_8089	173.65

## 3287	chr4	174529710	174529933	224	+	MACS_peak_8093	165.31
## 3288	chr4	178363361	178363534	174	+	MACS_peak_8100	82.23
## 3289	chr4	180979577	180979800	224	+	MACS_peak_8101	1625.69
## 3290	chr4	185395928	185396133	206	+	MACS_peak_8108	110.88
## 3291	chr4	185746653	185746905	253	+	MACS_peak_8110	268.99
## 3292	chr4	187066260	187066477	218	+	MACS_peak_8117	259.36
## 3293	chr4	187187971	187188100	130	+	MACS_peak_8118	222.08
## 3294	chr4	187644598	187644904	307	+	MACS_peak_8119	129.44
## 3295	chr4	187645660	187645930	271	+	MACS_peak_8120	144.41
## 3296	chr4	190959088	190959423	336	+	MACS_peak_8121	327.37
## 3297	chr5	83565	84244	680	+	MACS_peak_8122	157.79
## 3298	chr5	84450	84784	335	+	MACS_peak_8123	150.01
## 3299	chr5	399935	400232	298	+	MACS_peak_8126	128.93
## 3300	chr5	1882961	1883148	188	+	MACS_peak_8136	92.38
## 3301	chr5	2149311	2149398	88	+	MACS_peak_8138	203.75
## 3302	chr5	6633363	6633732	370	+	MACS_peak_8141	135.20
## 3303	chr5	10441657	10442368	712	+	MACS_peak_8143	392.38
## 3304	chr5	10564157	10564460	304	+	MACS_peak_8144	89.75
## 3305	chr5	10760857	10761225	369	+	MACS_peak_8148	318.41
## 3306	chr5	14143104	14143274	171	+	MACS_peak_8152	785.43
## 3307	chr5	14144535	14144786	252	+	MACS_peak_8153	179.18
## 3308	chr5	14664079	14664595	517	+	MACS_peak_8156	587.97
## 3309	chr5	15008707	15008962	256	+	MACS_peak_8158	229.80
## 3310	chr5	16616877	16617222	346	+	MACS_peak_8159	100.69
## 3311	chr5	23526958	23527847	890	+	MACS_peak_8164	326.37
## 3312	chr5	31639060	31639404	345	+	MACS_peak_8167	85.73
## 3313	chr5	32312549	32313062	514	+	MACS_peak_8171	247.51
## 3314	chr5	32444909	32445074	166	+	MACS_peak_8173	1038.89
## 3315	chr5	32531771	32532027	257	+	MACS_peak_8174	189.70
## 3316	chr5	32710153	32710366	214	+	MACS_peak_8175	281.36
## 3317	chr5	34007864	34008162	299	+	MACS_peak_8178	439.78
## 3318	chr5	34571312	34571740	429	+	MACS_peak_8179	103.48
## 3319	chr5	34656362	34656633	272	+	MACS_peak_8180	401.64
## 3320	chr5	34915304	34915583	280	+	MACS_peak_8183	102.26
## 3321	chr5	36242017	36242254	238	+	MACS_peak_8186	152.07
## 3322	chr5	36690273	36690779	507	+	MACS_peak_8187	245.53
## 3323	chr5	38134421	38134623	203	+	MACS_peak_8189	161.15
## 3324	chr5	38258498	38258715	218	+	MACS_peak_8190	179.34
## 3325	chr5	39424841	39425153	313	+	MACS_peak_8195	1454.40
## 3326	chr5	40835268	40835454	187	+	MACS_peak_8197	319.66
## 3327	chr5	41925154	41925563	410	+	MACS_peak_8200	155.91
## 3328	chr5	42423565	42423833	269	+	MACS_peak_8201	213.57
## 3329	chr5	43039811	43040185	375	+	MACS_peak_8204	250.13
## 3330	chr5	43120884	43121184	301	+	MACS_peak_8205	135.60
## 3331	chr5	43556509	43556836	328	+	MACS_peak_8209	104.08
## 3332	chr5	53813483	53813762	280	+	MACS_peak_8217	83.70
## 3333	chr5	54528972	54529407	436	+	MACS_peak_8221	113.58
## 3334	chr5	55008275	55008447	173	+	MACS_peak_8223	100.17
## 3335	chr5	56110836	56111049	214	+	MACS_peak_8227	268.22
## 3336	chr5	56111689	56111909	221	+	MACS_peak_8228	472.84
## 3337	chr5	56205460	56205721	262	+	MACS_peak_8230	154.53
## 3338	chr5	56246558	56246832	275	+	MACS_peak_8231	99.48
## 3339	chr5	56247172	56247649	478	+	MACS_peak_8232	102.55
## 3340	chr5	56469270	56469752	483	+	MACS_peak_8233	428.77

## 3341	chr5	57755439	57755746	308	+	MACS_peak_8235	190.11
## 3342	chr5	60627165	60627635	471	+	MACS_peak_8244	261.19
## 3343	chr5	60628043	60628140	98	+	MACS_peak_8245	154.19
## 3344	chr5	61601970	61602155	186	+	MACS_peak_8249	265.88
## 3345	chr5	61602513	61602816	304	+	MACS_peak_8250	116.05
## 3346	chr5	64331390	64331576	187	+	MACS_peak_8253	357.38
## 3347	chr5	65017232	65017682	451	+	MACS_peak_8256	84.08
## 3348	chr5	65892500	65892799	300	+	MACS_peak_8259	136.19
## 3349	chr5	67511697	67512020	324	+	MACS_peak_8264	892.25
## 3350	chr5	68309647	68310138	492	+	MACS_peak_8267	464.52
## 3351	chr5	68389789	68390072	284	+	MACS_peak_8269	188.19
## 3352	chr5	68463023	68463172	150	+	MACS_peak_8270	170.29
## 3353	chr5	68665101	68665291	191	+	MACS_peak_8271	84.37
## 3354	chr5	68797911	68797971	61	+	MACS_peak_8272	122.39
## 3355	chr5	69321313	69321631	319	+	MACS_peak_8275	129.25
## 3356	chr5	70196684	70196921	238	+	MACS_peak_8285	270.08
## 3357	chr5	70882954	70883411	458	+	MACS_peak_8291	333.12
## 3358	chr5	71403035	71403421	387	+	MACS_peak_8294	121.20
## 3359	chr5	71404673	71404839	167	+	MACS_peak_8296	87.00
## 3360	chr5	72112497	72112707	211	+	MACS_peak_8298	189.87
## 3361	chr5	72743444	72743706	263	+	MACS_peak_8303	2279.24
## 3362	chr5	72921875	72922146	272	+	MACS_peak_8305	353.52
## 3363	chr5	72922372	72922646	275	+	MACS_peak_8306	89.21
## 3364	chr5	73935872	73936774	903	+	MACS_peak_8307	196.31
## 3365	chr5	73980933	73981155	223	+	MACS_peak_8308	291.46
## 3366	chr5	74348552	74349391	840	+	MACS_peak_8309	598.44
## 3367	chr5	74807710	74807866	157	+	MACS_peak_8313	117.69
## 3368	chr5	75379259	75379496	238	+	MACS_peak_8316	501.37
## 3369	chr5	75379914	75380208	295	+	MACS_peak_8317	126.61
## 3370	chr5	75904767	75904859	93	+	MACS_peak_8320	190.11
## 3371	chr5	76011520	76011889	370	+	MACS_peak_8321	682.23
## 3372	chr5	76114702	76114943	242	+	MACS_peak_8323	159.32
## 3373	chr5	76925899	76926186	288	+	MACS_peak_8326	92.97
## 3374	chr5	77071703	77072131	429	+	MACS_peak_8327	366.92
## 3375	chr5	77254028	77254334	307	+	MACS_peak_8328	88.45
## 3376	chr5	77943956	77944286	331	+	MACS_peak_8329	103.17
## 3377	chr5	78531511	78531845	335	+	MACS_peak_8331	101.83
## 3378	chr5	78809475	78810044	570	+	MACS_peak_8334	559.38
## 3379	chr5	79703230	79703451	222	+	MACS_peak_8340	273.65
## 3380	chr5	79783658	79783861	204	+	MACS_peak_8341	462.91
## 3381	chr5	79866151	79866529	379	+	MACS_peak_8344	131.18
## 3382	chr5	81268029	81268325	297	+	MACS_peak_8346	82.19
## 3383	chr5	86563428	86563602	175	+	MACS_peak_8352	230.27
## 3384	chr5	86563788	86564319	532	+	MACS_peak_8353	239.38
## 3385	chr5	87975983	87976460	478	+	MACS_peak_8356	143.77
## 3386	chr5	89504299	89504640	342	+	MACS_peak_8358	94.42
## 3387	chr5	89770086	89770265	180	+	MACS_peak_8359	207.66
## 3388	chr5	89770596	89770796	201	+	MACS_peak_8360	194.49
## 3389	chr5	90576324	90576626	303	+	MACS_peak_8362	230.00
## 3390	chr5	91977081	91977332	252	+	MACS_peak_8364	152.56
## 3391	chr5	92956344	92957362	1019	+	MACS_peak_8366	367.90
## 3392	chr5	93013126	93013241	116	+	MACS_peak_8367	122.93
## 3393	chr5	93954352	93954770	419	+	MACS_peak_8368	675.78
## 3394	chr5	94619944	94620472	529	+	MACS_peak_8369	255.20

## 3395	chr5	95159628	95159895	268	+	MACS_peak_8371	118.86
## 3396	chr5	95170790	95170913	124	+	MACS_peak_8372	906.49
## 3397	chr5	95194464	95194831	368	+	MACS_peak_8373	82.19
## 3398	chr5	95296989	95297559	571	+	MACS_peak_8375	88.98
## 3399	chr5	95997836	95998267	432	+	MACS_peak_8378	81.22
## 3400	chr5	96143611	96143873	263	+	MACS_peak_8380	107.17
## 3401	chr5	96270586	96271106	521	+	MACS_peak_8381	160.41
## 3402	chr5	96271673	96271837	165	+	MACS_peak_8382	92.47
## 3403	chr5	98108879	98109117	239	+	MACS_peak_8384	93.42
## 3404	chr5	98264299	98264737	439	+	MACS_peak_8386	151.44
## 3405	chr5	100236709	100236889	181	+	MACS_peak_8388	122.02
## 3406	chr5	101631956	101632008	53	+	MACS_peak_8389	128.84
## 3407	chr5	102090527	102090800	274	+	MACS_peak_8391	100.22
## 3408	chr5	102595439	102595629	191	+	MACS_peak_8393	89.96
## 3409	chr5	103415548	103415835	288	+	MACS_peak_8394	97.60
## 3410	chr5	107005536	107006116	581	+	MACS_peak_8398	109.64
## 3411	chr5	107620816	107621086	271	+	MACS_peak_8400	226.31
## 3412	chr5	107716824	107717380	557	+	MACS_peak_8401	178.20
## 3413	chr5	108063668	108064220	553	+	MACS_peak_8402	427.56
## 3414	chr5	109025164	109025618	455	+	MACS_peak_8405	285.35
## 3415	chr5	110074683	110074927	245	+	MACS_peak_8407	511.70
## 3416	chr5	111093012	111093108	97	+	MACS_peak_8409	139.94
## 3417	chr5	111755202	111755508	307	+	MACS_peak_8412	207.23
## 3418	chr5	112073300	112073483	184	+	MACS_peak_8414	147.53
## 3419	chr5	112312452	112312751	300	+	MACS_peak_8415	182.85
## 3420	chr5	112630397	112630674	278	+	MACS_peak_8418	175.45
## 3421	chr5	112823865	112824564	700	+	MACS_peak_8419	160.58
## 3422	chr5	112849281	112849636	356	+	MACS_peak_8420	166.34
## 3423	chr5	113696492	113696790	299	+	MACS_peak_8422	95.64
## 3424	chr5	114505347	114505588	242	+	MACS_peak_8424	113.04
## 3425	chr5	114880707	114880790	84	+	MACS_peak_8425	101.47
## 3426	chr5	114961299	114961837	539	+	MACS_peak_8426	126.38
## 3427	chr5	118323910	118324201	292	+	MACS_peak_8431	126.51
## 3428	chr5	118406975	118407403	429	+	MACS_peak_8432	222.35
## 3429	chr5	119800782	119801236	455	+	MACS_peak_8435	126.66
## 3430	chr5	121412370	121412595	226	+	MACS_peak_8437	183.18
## 3431	chr5	121647526	121648064	539	+	MACS_peak_8438	109.40
## 3432	chr5	122759088	122759319	232	+	MACS_peak_8441	109.43
## 3433	chr5	123150041	123150185	145	+	MACS_peak_8442	274.78
## 3434	chr5	123964842	123965041	200	+	MACS_peak_8444	480.48
## 3435	chr5	124084675	124085083	409	+	MACS_peak_8445	156.42
## 3436	chr5	124142149	124142432	284	+	MACS_peak_8446	280.19
## 3437	chr5	126366366	126366633	268	+	MACS_peak_8451	478.66
## 3438	chr5	126583018	126583177	160	+	MACS_peak_8453	395.10
## 3439	chr5	127419147	127419202	56	+	MACS_peak_8456	82.65
## 3440	chr5	127873899	127874360	462	+	MACS_peak_8458	252.20
## 3441	chr5	128430023	128430242	220	+	MACS_peak_8459	105.48
## 3442	chr5	128797060	128797328	269	+	MACS_peak_8460	1193.08
## 3443	chr5	131132968	131133280	313	+	MACS_peak_8463	137.60
## 3444	chr5	131563076	131563354	279	+	MACS_peak_8465	130.27
## 3445	chr5	131826560	131826783	224	+	MACS_peak_8466	125.47
## 3446	chr5	131892431	131892795	365	+	MACS_peak_8469	117.57
## 3447	chr5	132149252	132149577	326	+	MACS_peak_8471	657.31
## 3448	chr5	132166068	132166270	203	+	MACS_peak_8473	208.41

## 3449	chr5	133801627	133801771	145	+	MACS_peak_8477	270.26
## 3450	chr5	133862758	133863170	413	+	MACS_peak_8478	101.45
## 3451	chr5	134181656	134181984	329	+	MACS_peak_8480	182.85
## 3452	chr5	134824529	134824692	164	+	MACS_peak_8487	177.19
## 3453	chr5	134844408	134844619	212	+	MACS_peak_8488	217.29
## 3454	chr5	135468349	135468740	392	+	MACS_peak_8490	177.45
## 3455	chr5	137224963	137225225	263	+	MACS_peak_8491	81.89
## 3456	chr5	137688076	137688204	129	+	MACS_peak_8494	371.08
## 3457	chr5	137799902	137800058	157	+	MACS_peak_8496	109.17
## 3458	chr5	137801173	137801414	242	+	MACS_peak_8497	350.72
## 3459	chr5	137805231	137805853	623	+	MACS_peak_8499	157.73
## 3460	chr5	137827849	137828292	444	+	MACS_peak_8500	120.69
## 3461	chr5	137879168	137879419	252	+	MACS_peak_8501	121.46
## 3462	chr5	137910787	137910937	151	+	MACS_peak_8502	116.82
## 3463	chr5	138089295	138090016	722	+	MACS_peak_8505	187.99
## 3464	chr5	138609574	138609913	340	+	MACS_peak_8506	165.23
## 3465	chr5	138629382	138629529	148	+	MACS_peak_8507	245.68
## 3466	chr5	138774904	138775061	158	+	MACS_peak_8509	122.93
## 3467	chr5	139088513	139088940	428	+	MACS_peak_8512	98.15
## 3468	chr5	139167608	139167700	93	+	MACS_peak_8514	85.29
## 3469	chr5	139493959	139494698	740	+	MACS_peak_8515	969.56
## 3470	chr5	139554465	139554675	211	+	MACS_peak_8516	100.37
## 3471	chr5	139555118	139555293	176	+	MACS_peak_8517	96.78
## 3472	chr5	140071134	140071352	219	+	MACS_peak_8519	192.86
## 3473	chr5	140800832	140801090	259	+	MACS_peak_8523	125.07
## 3474	chr5	140998393	140998748	356	+	MACS_peak_8524	115.99
## 3475	chr5	141303030	141303521	492	+	MACS_peak_8528	270.47
## 3476	chr5	141404458	141404617	160	+	MACS_peak_8531	334.80
## 3477	chr5	141488191	141488742	552	+	MACS_peak_8533	118.37
## 3478	chr5	141931223	141931428	206	+	MACS_peak_8536	136.72
## 3479	chr5	142092858	142093138	281	+	MACS_peak_8537	96.08
## 3480	chr5	142149977	142150242	266	+	MACS_peak_8538	248.03
## 3481	chr5	142783572	142784016	445	+	MACS_peak_8540	163.40
## 3482	chr5	145562110	145562288	179	+	MACS_peak_8542	101.77
## 3483	chr5	147763333	147763518	186	+	MACS_peak_8545	214.20
## 3484	chr5	148187424	148187731	308	+	MACS_peak_8547	127.27
## 3485	chr5	148846044	148846447	404	+	MACS_peak_8550	334.67
## 3486	chr5	148929111	148929669	559	+	MACS_peak_8551	171.01
## 3487	chr5	148977550	148978014	465	+	MACS_peak_8553	126.11
## 3488	chr5	149340357	149340591	235	+	MACS_peak_8554	159.37
## 3489	chr5	150284613	150284870	258	+	MACS_peak_8557	193.12
## 3490	chr5	151150552	151150742	191	+	MACS_peak_8560	85.90
## 3491	chr5	153570255	153570456	202	+	MACS_peak_8563	160.25
## 3492	chr5	153825976	153826289	314	+	MACS_peak_8565	99.33
## 3493	chr5	154236993	154237318	326	+	MACS_peak_8568	88.50
## 3494	chr5	157171043	157171332	290	+	MACS_peak_8570	180.94
## 3495	chr5	158635992	158636277	286	+	MACS_peak_8574	85.78
## 3496	chr5	158758671	158758842	172	+	MACS_peak_8575	149.49
## 3497	chr5	159546832	159546948	117	+	MACS_peak_8580	688.57
## 3498	chr5	159739584	159739836	253	+	MACS_peak_8581	136.84
## 3499	chr5	167730555	167730924	370	+	MACS_peak_8585	128.84
## 3500	chr5	167956211	167956296	86	+	MACS_peak_8586	329.94
## 3501	chr5	168006598	168006913	316	+	MACS_peak_8587	244.21
## 3502	chr5	168192703	168192887	185	+	MACS_peak_8588	109.14

## 3503	chr5	168210419	168210638	220	+	MACS_peak_8589	501.24
## 3504	chr5	168220855	168221305	451	+	MACS_peak_8590	104.21
## 3505	chr5	170288850	170289050	201	+	MACS_peak_8592	100.02
## 3506	chr5	171353540	171353670	131	+	MACS_peak_8597	400.01
## 3507	chr5	172195911	172196165	255	+	MACS_peak_8603	106.75
## 3508	chr5	172197959	172198238	280	+	MACS_peak_8604	123.62
## 3509	chr5	172410850	172411139	290	+	MACS_peak_8606	131.09
## 3510	chr5	172754767	172755453	687	+	MACS_peak_8610	198.36
## 3511	chr5	172819302	172819472	171	+	MACS_peak_8611	617.85
## 3512	chr5	174151474	174151960	487	+	MACS_peak_8616	163.01
## 3513	chr5	174905500	174905745	246	+	MACS_peak_8622	245.68
## 3514	chr5	175298758	175299160	403	+	MACS_peak_8625	192.75
## 3515	chr5	175665048	175665338	291	+	MACS_peak_8626	157.68
## 3516	chr5	175665616	175666115	500	+	MACS_peak_8627	81.44
## 3517	chr5	175788351	175788715	365	+	MACS_peak_8628	133.31
## 3518	chr5	175788968	175789269	302	+	MACS_peak_8629	179.26
## 3519	chr5	175843402	175843608	207	+	MACS_peak_8631	109.38
## 3520	chr5	176264709	176264878	170	+	MACS_peak_8634	107.41
## 3521	chr5	176299467	176299749	283	+	MACS_peak_8635	97.60
## 3522	chr5	176433166	176433546	381	+	MACS_peak_8636	99.05
## 3523	chr5	176561069	176561351	283	+	MACS_peak_8638	98.37
## 3524	chr5	176778356	176778639	284	+	MACS_peak_8639	100.30
## 3525	chr5	176882430	176882853	424	+	MACS_peak_8642	110.59
## 3526	chr5	176924224	176924565	342	+	MACS_peak_8643	157.67
## 3527	chr5	177098578	177099480	903	+	MACS_peak_8644	209.98
## 3528	chr5	177540288	177540426	139	+	MACS_peak_8645	101.49
## 3529	chr5	177548057	177548605	549	+	MACS_peak_8646	166.10
## 3530	chr5	178451991	178452292	302	+	MACS_peak_8651	118.30
## 3531	chr5	178772542	178772708	167	+	MACS_peak_8653	230.27
## 3532	chr5	178977329	178977749	421	+	MACS_peak_8655	139.97
## 3533	chr5	179050255	179050649	395	+	MACS_peak_8656	148.76
## 3534	chr5	179061395	179061554	160	+	MACS_peak_8657	1418.74
## 3535	chr5	179084937	179085144	208	+	MACS_peak_8658	1320.28
## 3536	chr5	179105503	179105893	391	+	MACS_peak_8659	179.88
## 3537	chr5	179160214	179160391	178	+	MACS_peak_8662	80.28
## 3538	chr5	179223167	179223445	279	+	MACS_peak_8663	677.29
## 3539	chr5	179234368	179234590	223	+	MACS_peak_8665	227.20
## 3540	chr5	179517421	179517615	195	+	MACS_peak_8668	81.57
## 3541	chr5	180479850	180480343	494	+	MACS_peak_8673	160.70
## 3542	chr5	180587508	180587660	153	+	MACS_peak_8677	110.61
## 3543	chr5	180594923	180595019	97	+	MACS_peak_8678	98.03
## 3544	chr5	180618235	180618495	261	+	MACS_peak_8682	88.54
## 3545	chr5	180634167	180634716	550	+	MACS_peak_8683	85.12
## 3546	chr5	180644309	180644690	382	+	MACS_peak_8685	94.71
## 3547	chr5	180688388	180688758	371	+	MACS_peak_8688	108.27
## 3548	chr6	1312474	1313212	739	+	MACS_peak_8690	260.19
## 3549	chr6	1608707	1608862	156	+	MACS_peak_8693	164.05
## 3550	chr6	1611025	1611319	295	+	MACS_peak_8695	87.58
## 3551	chr6	1615359	1615862	504	+	MACS_peak_8696	151.37
## 3552	chr6	2245499	2245875	377	+	MACS_peak_8699	94.86
## 3553	chr6	2634817	2635168	352	+	MACS_peak_8702	176.10
## 3554	chr6	2766089	2766523	435	+	MACS_peak_8703	269.82
## 3555	chr6	3068538	3069216	679	+	MACS_peak_8705	134.02
## 3556	chr6	3550419	3550779	361	+	MACS_peak_8708	227.73

## 3557	chr6	3751823	3752128	306	+	MACS_peak_8710	105.48
## 3558	chr6	4021562	4021758	197	+	MACS_peak_8712	109.14
## 3559	chr6	5026396	5026615	220	+	MACS_peak_8716	346.06
## 3560	chr6	5891965	5892499	535	+	MACS_peak_8717	501.78
## 3561	chr6	6009404	6009609	206	+	MACS_peak_8719	160.40
## 3562	chr6	6687038	6687197	160	+	MACS_peak_8721	207.89
## 3563	chr6	7113052	7113271	220	+	MACS_peak_8724	109.24
## 3564	chr6	7261957	7262142	186	+	MACS_peak_8725	85.92
## 3565	chr6	7590437	7590617	181	+	MACS_peak_8727	239.47
## 3566	chr6	10286347	10286729	383	+	MACS_peak_8734	144.61
## 3567	chr6	10414397	10414536	140	+	MACS_peak_8736	85.43
## 3568	chr6	10556130	10556425	296	+	MACS_peak_8738	80.16
## 3569	chr6	10887133	10887492	360	+	MACS_peak_8743	144.36
## 3570	chr6	11043447	11043870	424	+	MACS_peak_8745	112.75
## 3571	chr6	11093894	11094332	439	+	MACS_peak_8746	118.25
## 3572	chr6	11094778	11094938	161	+	MACS_peak_8747	215.37
## 3573	chr6	12011144	12011283	140	+	MACS_peak_8751	131.90
## 3574	chr6	13486741	13487139	399	+	MACS_peak_8753	330.78
## 3575	chr6	13575270	13575492	223	+	MACS_peak_8755	114.96
## 3576	chr6	13711780	13712055	276	+	MACS_peak_8757	216.97
## 3577	chr6	15662561	15662844	284	+	MACS_peak_8761	131.14
## 3578	chr6	16099729	16100236	508	+	MACS_peak_8763	564.95
## 3579	chr6	16726487	16726599	113	+	MACS_peak_8766	160.09
## 3580	chr6	16760481	16760824	344	+	MACS_peak_8767	83.19
## 3581	chr6	16761881	16762157	277	+	MACS_peak_8768	80.33
## 3582	chr6	17600636	17601362	727	+	MACS_peak_8773	221.46
## 3583	chr6	18219988	18220187	200	+	MACS_peak_8780	158.01
## 3584	chr6	18264838	18265166	329	+	MACS_peak_8781	117.06
## 3585	chr6	19804702	19805144	443	+	MACS_peak_8787	134.41
## 3586	chr6	19851579	19851858	280	+	MACS_peak_8790	140.92
## 3587	chr6	20402079	20402260	182	+	MACS_peak_8792	88.10
## 3588	chr6	21589126	21589644	519	+	MACS_peak_8796	130.41
## 3589	chr6	24029723	24030068	346	+	MACS_peak_8800	161.06
## 3590	chr6	24720945	24721072	128	+	MACS_peak_8802	543.26
## 3591	chr6	24911220	24911550	331	+	MACS_peak_8803	429.86
## 3592	chr6	25070832	25071092	261	+	MACS_peak_8804	120.47
## 3593	chr6	26056103	26056716	614	+	MACS_peak_8808	569.50
## 3594	chr6	26126275	26126631	357	+	MACS_peak_8809	119.51
## 3595	chr6	26158413	26158534	122	+	MACS_peak_8811	89.45
## 3596	chr6	26322413	26322689	277	+	MACS_peak_8812	196.41
## 3597	chr6	26384401	26384614	214	+	MACS_peak_8813	134.18
## 3598	chr6	26474457	26474563	107	+	MACS_peak_8814	186.18
## 3599	chr6	26577549	26577836	288	+	MACS_peak_8816	190.85
## 3600	chr6	26596981	26597084	104	+	MACS_peak_8817	241.56
## 3601	chr6	26659644	26659946	303	+	MACS_peak_8818	197.81
## 3602	chr6	26728096	26728240	145	+	MACS_peak_8819	130.43
## 3603	chr6	26730291	26730491	201	+	MACS_peak_8820	81.57
## 3604	chr6	26735567	26735787	221	+	MACS_peak_8821	105.30
## 3605	chr6	26773878	26773998	121	+	MACS_peak_8824	94.86
## 3606	chr6	26924658	26924945	288	+	MACS_peak_8825	130.86
## 3607	chr6	27095083	27095211	129	+	MACS_peak_8827	266.60
## 3608	chr6	27124989	27125264	276	+	MACS_peak_8830	151.77
## 3609	chr6	27181333	27181645	313	+	MACS_peak_8832	88.10
## 3610	chr6	27219437	27219663	227	+	MACS_peak_8834	128.93

## 3611	chr6	27560330	27560711	382	+	MACS_peak_8835	136.16
## 3612	chr6	27598745	27598872	128	+	MACS_peak_8838	291.39
## 3613	chr6	27661939	27662239	301	+	MACS_peak_8841	104.33
## 3614	chr6	27791796	27792068	273	+	MACS_peak_8843	110.61
## 3615	chr6	27799016	27799318	303	+	MACS_peak_8844	117.16
## 3616	chr6	27806329	27806781	453	+	MACS_peak_8845	159.75
## 3617	chr6	28072315	28072617	303	+	MACS_peak_8848	88.10
## 3618	chr6	28186477	28186630	154	+	MACS_peak_8849	84.63
## 3619	chr6	28317805	28318059	255	+	MACS_peak_8852	97.02
## 3620	chr6	28763834	28764042	209	+	MACS_peak_8857	165.80
## 3621	chr6	28778087	28778393	307	+	MACS_peak_8858	81.39
## 3622	chr6	28782037	28782458	422	+	MACS_peak_8859	86.77
## 3623	chr6	28805214	28805444	231	+	MACS_peak_8860	96.33
## 3624	chr6	28831441	28831537	97	+	MACS_peak_8861	125.69
## 3625	chr6	28834380	28834735	356	+	MACS_peak_8862	87.45
## 3626	chr6	29600457	29600853	397	+	MACS_peak_8870	125.42
## 3627	chr6	29690469	29690838	370	+	MACS_peak_8872	238.66
## 3628	chr6	29910545	29910818	274	+	MACS_peak_8873	163.87
## 3629	chr6	30034874	30035129	256	+	MACS_peak_8874	88.62
## 3630	chr6	30069831	30070073	243	+	MACS_peak_8875	369.17
## 3631	chr6	30421533	30421652	120	+	MACS_peak_8877	105.46
## 3632	chr6	30457369	30457801	433	+	MACS_peak_8878	138.83
## 3633	chr6	30484050	30484153	104	+	MACS_peak_8879	164.02
## 3634	chr6	30614748	30615078	331	+	MACS_peak_8881	260.26
## 3635	chr6	30654552	30654782	231	+	MACS_peak_8882	300.40
## 3636	chr6	30664862	30665231	370	+	MACS_peak_8884	251.13
## 3637	chr6	30875653	30876283	631	+	MACS_peak_8887	142.93
## 3638	chr6	31126166	31126511	346	+	MACS_peak_8889	116.61
## 3639	chr6	31239415	31239815	401	+	MACS_peak_8891	97.91
## 3640	chr6	31371553	31371725	173	+	MACS_peak_8892	113.89
## 3641	chr6	31461693	31462056	364	+	MACS_peak_8893	154.14
## 3642	chr6	31620110	31620377	268	+	MACS_peak_8894	92.38
## 3643	chr6	31628415	31628563	149	+	MACS_peak_8895	110.61
## 3644	chr6	31737570	31737819	250	+	MACS_peak_8897	122.30
## 3645	chr6	31774453	31774712	260	+	MACS_peak_8899	104.60
## 3646	chr6	32939578	32939828	251	+	MACS_peak_8902	124.16
## 3647	chr6	33129419	33129552	134	+	MACS_peak_8904	144.36
## 3648	chr6	33378108	33378233	126	+	MACS_peak_8910	138.19
## 3649	chr6	33547620	33547854	235	+	MACS_peak_8912	104.79
## 3650	chr6	33739378	33739637	260	+	MACS_peak_8913	102.94
## 3651	chr6	34359695	34360241	547	+	MACS_peak_8915	278.56
## 3652	chr6	34360665	34360824	160	+	MACS_peak_8916	590.05
## 3653	chr6	34664389	34664538	150	+	MACS_peak_8919	105.48
## 3654	chr6	34857127	34857320	194	+	MACS_peak_8922	151.11
## 3655	chr6	35049178	35049586	409	+	MACS_peak_8923	117.16
## 3656	chr6	35227326	35227515	190	+	MACS_peak_8925	1072.70
## 3657	chr6	35285894	35286329	436	+	MACS_peak_8926	178.24
## 3658	chr6	35877509	35877685	177	+	MACS_peak_8928	294.76
## 3659	chr6	36648676	36648863	188	+	MACS_peak_8935	113.27
## 3660	chr6	36842339	36842730	392	+	MACS_peak_8936	91.82
## 3661	chr6	37190240	37190381	142	+	MACS_peak_8942	87.34
## 3662	chr6	37225570	37225933	364	+	MACS_peak_8943	239.16
## 3663	chr6	37786699	37787330	632	+	MACS_peak_8946	218.59
## 3664	chr6	39197146	39197275	130	+	MACS_peak_8949	120.99

## 3665	chr6	39901891	39902211	321	+	MACS_peak_8952	371.67
## 3666	chr6	40555403	40555723	321	+	MACS_peak_8953	145.35
## 3667	chr6	40995402	40995720	319	+	MACS_peak_8955	109.41
## 3668	chr6	41747402	41747599	198	+	MACS_peak_8964	115.90
## 3669	chr6	42420724	42420887	164	+	MACS_peak_8967	80.44
## 3670	chr6	42750337	42750545	209	+	MACS_peak_8968	89.82
## 3671	chr6	42897694	42897952	259	+	MACS_peak_8970	110.64
## 3672	chr6	42951769	42952043	275	+	MACS_peak_8971	111.32
## 3673	chr6	43196951	43197147	197	+	MACS_peak_8974	141.79
## 3674	chr6	43336577	43337083	507	+	MACS_peak_8975	131.71
## 3675	chr6	43337381	43337702	322	+	MACS_peak_8976	171.08
## 3676	chr6	43423152	43423719	568	+	MACS_peak_8977	220.91
## 3677	chr6	43543347	43543736	390	+	MACS_peak_8978	147.16
## 3678	chr6	43626730	43627055	326	+	MACS_peak_8980	93.07
## 3679	chr6	43737707	43737878	172	+	MACS_peak_8981	291.95
## 3680	chr6	43738584	43738877	294	+	MACS_peak_8982	95.77
## 3681	chr6	43739344	43739498	155	+	MACS_peak_8983	81.22
## 3682	chr6	44119588	44119820	233	+	MACS_peak_8989	164.19
## 3683	chr6	47445716	47446053	338	+	MACS_peak_9002	166.76
## 3684	chr6	52226655	52226896	242	+	MACS_peak_9004	780.94
## 3685	chr6	53213443	53213715	273	+	MACS_peak_9008	114.56
## 3686	chr6	53409667	53409950	284	+	MACS_peak_9009	243.36
## 3687	chr6	53412857	53413057	201	+	MACS_peak_9010	137.55
## 3688	chr6	53516523	53516728	206	+	MACS_peak_9011	97.38
## 3689	chr6	54711803	54712109	307	+	MACS_peak_9016	89.78
## 3690	chr6	55443788	55443850	63	+	MACS_peak_9018	133.14
## 3691	chr6	56407454	56407879	426	+	MACS_peak_9021	269.20
## 3692	chr6	56819046	56819349	304	+	MACS_peak_9023	353.87
## 3693	chr6	56911421	56911573	153	+	MACS_peak_9026	93.87
## 3694	chr6	58140794	58141181	388	+	MACS_peak_9030	373.23
## 3695	chr6	58142268	58142696	429	+	MACS_peak_9031	166.28
## 3696	chr6	64282140	64282248	109	+	MACS_peak_9033	110.75
## 3697	chr6	64345532	64346027	496	+	MACS_peak_9035	219.40
## 3698	chr6	65005269	65005530	262	+	MACS_peak_9036	94.68
## 3699	chr6	69285888	69286143	256	+	MACS_peak_9037	123.87
## 3700	chr6	70577241	70577625	385	+	MACS_peak_9039	112.83
## 3701	chr6	71276660	71276940	281	+	MACS_peak_9041	94.98
## 3702	chr6	71665612	71665837	226	+	MACS_peak_9042	139.87
## 3703	chr6	73332760	73332953	194	+	MACS_peak_9046	81.39
## 3704	chr6	74098726	74098973	248	+	MACS_peak_9048	133.55
## 3705	chr6	74232972	74233368	397	+	MACS_peak_9051	191.38
## 3706	chr6	76059128	76059308	181	+	MACS_peak_9057	80.50
## 3707	chr6	76458890	76459116	227	+	MACS_peak_9060	161.87
## 3708	chr6	77586145	77586372	228	+	MACS_peak_9063	123.87
## 3709	chr6	78078897	78078999	103	+	MACS_peak_9064	104.77
## 3710	chr6	79787674	79787893	220	+	MACS_peak_9067	404.88
## 3711	chr6	80246792	80246892	101	+	MACS_peak_9069	108.56
## 3712	chr6	83073332	83073668	337	+	MACS_peak_9073	112.11
## 3713	chr6	84563184	84563458	275	+	MACS_peak_9078	174.26
## 3714	chr6	85472603	85472839	237	+	MACS_peak_9082	216.84
## 3715	chr6	86303141	86303355	215	+	MACS_peak_9086	83.02
## 3716	chr6	86352755	86353608	854	+	MACS_peak_9087	263.95
## 3717	chr6	86388368	86388532	165	+	MACS_peak_9088	210.15
## 3718	chr6	88032338	88032453	116	+	MACS_peak_9091	119.45

## 3719	chr6	90062508	90062699	192	+	MACS_peak_9096	109.09
## 3720	chr6	94126603	94127001	399	+	MACS_peak_9105	105.89
## 3721	chr6	94128254	94128429	176	+	MACS_peak_9106	118.86
## 3722	chr6	99292739	99292905	167	+	MACS_peak_9111	118.03
## 3723	chr6	99293096	99293415	320	+	MACS_peak_9112	99.48
## 3724	chr6	99395384	99395770	387	+	MACS_peak_9113	212.43
## 3725	chr6	99797481	99797732	252	+	MACS_peak_9114	216.84
## 3726	chr6	100016479	100016711	233	+	MACS_peak_9116	218.91
## 3727	chr6	100036864	100037358	495	+	MACS_peak_9118	226.38
## 3728	chr6	100912503	100912750	248	+	MACS_peak_9123	139.66
## 3729	chr6	103653646	103653922	277	+	MACS_peak_9128	138.94
## 3730	chr6	105627425	105627821	397	+	MACS_peak_9130	123.46
## 3731	chr6	105850779	105851279	501	+	MACS_peak_9131	88.45
## 3732	chr6	107349426	107349714	289	+	MACS_peak_9136	106.74
## 3733	chr6	107435600	107435803	204	+	MACS_peak_9137	173.33
## 3734	chr6	107639400	107639512	113	+	MACS_peak_9138	298.03
## 3735	chr6	107780549	107780748	200	+	MACS_peak_9139	91.83
## 3736	chr6	108169769	108169927	159	+	MACS_peak_9141	158.55
## 3737	chr6	108262897	108263020	124	+	MACS_peak_9143	169.80
## 3738	chr6	108279667	108279803	137	+	MACS_peak_9144	117.47
## 3739	chr6	108881049	108881860	812	+	MACS_peak_9148	132.87
## 3740	chr6	110500015	110500310	296	+	MACS_peak_9156	92.09
## 3741	chr6	110678917	110679225	309	+	MACS_peak_9157	83.80
## 3742	chr6	111136373	111136635	263	+	MACS_peak_9159	131.04
## 3743	chr6	111195176	111195344	169	+	MACS_peak_9160	1204.39
## 3744	chr6	111196862	111197575	714	+	MACS_peak_9161	100.16
## 3745	chr6	111226638	111226928	291	+	MACS_peak_9162	118.75
## 3746	chr6	111279833	111280187	355	+	MACS_peak_9163	91.46
## 3747	chr6	111303330	111303612	283	+	MACS_peak_9164	109.76
## 3748	chr6	111408724	111409145	422	+	MACS_peak_9165	116.27
## 3749	chr6	111580604	111580898	295	+	MACS_peak_9166	240.53
## 3750	chr6	111804183	111805110	928	+	MACS_peak_9168	120.70
## 3751	chr6	111927050	111927255	206	+	MACS_peak_9169	90.58
## 3752	chr6	112193086	112194338	1253	+	MACS_peak_9173	240.32
## 3753	chr6	112278978	112279392	415	+	MACS_peak_9174	205.51
## 3754	chr6	113009748	113010022	275	+	MACS_peak_9181	148.60
## 3755	chr6	114180671	114181439	769	+	MACS_peak_9183	222.77
## 3756	chr6	116422056	116422379	324	+	MACS_peak_9186	99.28
## 3757	chr6	116692378	116692606	229	+	MACS_peak_9187	469.49
## 3758	chr6	116989753	116989894	142	+	MACS_peak_9189	101.63
## 3759	chr6	117002318	117002452	135	+	MACS_peak_9190	125.42
## 3760	chr6	117566150	117566405	256	+	MACS_peak_9192	138.83
## 3761	chr6	117923344	117923656	313	+	MACS_peak_9195	107.37
## 3762	chr6	118228564	118228970	407	+	MACS_peak_9196	96.58
## 3763	chr6	118972436	118972712	277	+	MACS_peak_9197	531.32
## 3764	chr6	118981364	118981566	203	+	MACS_peak_9198	140.92
## 3765	chr6	119256179	119256447	269	+	MACS_peak_9200	125.42
## 3766	chr6	119400019	119400262	244	+	MACS_peak_9202	280.95
## 3767	chr6	119669719	119670033	315	+	MACS_peak_9204	121.36
## 3768	chr6	119670909	119671319	411	+	MACS_peak_9205	136.93
## 3769	chr6	121758694	121758729	36	+	MACS_peak_9209	98.20
## 3770	chr6	123110466	123111129	664	+	MACS_peak_9213	145.28
## 3771	chr6	124123907	124124326	420	+	MACS_peak_9214	433.68
## 3772	chr6	125420882	125421022	141	+	MACS_peak_9220	274.68

## 3773	chr6	125622431	125623124	694	+	MACS_peak_9223	135.99
## 3774	chr6	125684270	125684765	496	+	MACS_peak_9224	108.68
## 3775	chr6	126111616	126112064	449	+	MACS_peak_9226	515.17
## 3776	chr6	126267625	126267791	167	+	MACS_peak_9227	210.42
## 3777	chr6	126278236	126278506	271	+	MACS_peak_9228	82.10
## 3778	chr6	126384737	126385103	367	+	MACS_peak_9230	114.96
## 3779	chr6	126661273	126661469	197	+	MACS_peak_9231	152.83
## 3780	chr6	127588390	127588819	430	+	MACS_peak_9233	272.91
## 3781	chr6	127664279	127664750	472	+	MACS_peak_9234	89.50
## 3782	chr6	128841380	128841699	320	+	MACS_peak_9235	94.31
## 3783	chr6	130031116	130031513	398	+	MACS_peak_9236	165.78
## 3784	chr6	130088436	130088676	241	+	MACS_peak_9237	215.50
## 3785	chr6	130686398	130686838	441	+	MACS_peak_9239	110.76
## 3786	chr6	131383691	131384367	677	+	MACS_peak_9240	199.36
## 3787	chr6	131456661	131457163	503	+	MACS_peak_9241	188.55
## 3788	chr6	133562186	133562752	567	+	MACS_peak_9249	117.87
## 3789	chr6	134274295	134274575	281	+	MACS_peak_9254	267.79
## 3790	chr6	134496241	134496424	184	+	MACS_peak_9256	132.74
## 3791	chr6	135502679	135503027	349	+	MACS_peak_9259	99.00
## 3792	chr6	135853734	135853971	238	+	MACS_peak_9261	207.79
## 3793	chr6	136608172	136608415	244	+	MACS_peak_9264	169.45
## 3794	chr6	136777680	136778029	350	+	MACS_peak_9266	113.23
## 3795	chr6	136847523	136847806	284	+	MACS_peak_9268	80.81
## 3796	chr6	137143736	137144208	473	+	MACS_peak_9270	149.60
## 3797	chr6	137243088	137243223	136	+	MACS_peak_9271	313.78
## 3798	chr6	138328267	138328568	302	+	MACS_peak_9277	122.38
## 3799	chr6	138428314	138428678	365	+	MACS_peak_9278	466.19
## 3800	chr6	138893554	138893780	227	+	MACS_peak_9279	154.14
## 3801	chr6	139013830	139014474	645	+	MACS_peak_9283	179.83
## 3802	chr6	139309017	139309310	294	+	MACS_peak_9285	104.04
## 3803	chr6	139309514	139309653	140	+	MACS_peak_9286	421.56
## 3804	chr6	139695205	139696230	1026	+	MACS_peak_9289	111.87
## 3805	chr6	142622973	142623343	371	+	MACS_peak_9291	188.32
## 3806	chr6	143381501	143381779	279	+	MACS_peak_9295	341.04
## 3807	chr6	144385220	144385765	546	+	MACS_peak_9302	454.63
## 3808	chr6	144416496	144416769	274	+	MACS_peak_9303	794.37
## 3809	chr6	144537860	144537976	117	+	MACS_peak_9304	127.61
## 3810	chr6	144606255	144606642	388	+	MACS_peak_9305	157.12
## 3811	chr6	144606901	144607117	217	+	MACS_peak_9306	92.82
## 3812	chr6	146056276	146056830	555	+	MACS_peak_9310	146.97
## 3813	chr6	146135848	146136024	177	+	MACS_peak_9311	90.16
## 3814	chr6	147829442	147829654	213	+	MACS_peak_9319	136.29
## 3815	chr6	147830093	147830494	402	+	MACS_peak_9320	124.13
## 3816	chr6	149068453	149068945	493	+	MACS_peak_9326	1052.51
## 3817	chr6	149887356	149888163	808	+	MACS_peak_9334	288.86
## 3818	chr6	150038721	150039359	639	+	MACS_peak_9336	441.14
## 3819	chr6	150067446	150067846	401	+	MACS_peak_9337	226.72
## 3820	chr6	150184318	150185081	764	+	MACS_peak_9339	138.69
## 3821	chr6	150244139	150244446	308	+	MACS_peak_9340	157.93
## 3822	chr6	150312134	150312647	514	+	MACS_peak_9341	122.40
## 3823	chr6	150325820	150326069	250	+	MACS_peak_9342	384.94
## 3824	chr6	150716581	150716924	344	+	MACS_peak_9344	121.64
## 3825	chr6	150920854	150921750	897	+	MACS_peak_9347	268.18
## 3826	chr6	151187532	151187878	347	+	MACS_peak_9351	125.44

## 3827	chr6	151561467	151561842	376	+	MACS_peak_9353	96.60
## 3828	chr6	151710949	151711630	682	+	MACS_peak_9356	339.74
## 3829	chr6	151711827	151712061	235	+	MACS_peak_9357	171.68
## 3830	chr6	151773029	151773263	235	+	MACS_peak_9358	449.26
## 3831	chr6	151815145	151815198	54	+	MACS_peak_9359	108.73
## 3832	chr6	152957732	152957912	181	+	MACS_peak_9362	93.87
## 3833	chr6	153304037	153304199	163	+	MACS_peak_9363	167.39
## 3834	chr6	153452616	153453240	625	+	MACS_peak_9364	282.24
## 3835	chr6	154830994	154831557	564	+	MACS_peak_9370	198.77
## 3836	chr6	154936751	154937094	344	+	MACS_peak_9371	207.50
## 3837	chr6	155635781	155635939	159	+	MACS_peak_9374	192.06
## 3838	chr6	157148568	157148777	210	+	MACS_peak_9379	136.73
## 3839	chr6	157342272	157343073	802	+	MACS_peak_9380	157.46
## 3840	chr6	157695933	157696309	377	+	MACS_peak_9382	1293.35
## 3841	chr6	157745093	157745232	140	+	MACS_peak_9384	202.71
## 3842	chr6	157801636	157802669	1034	+	MACS_peak_9385	277.58
## 3843	chr6	158244168	158244786	619	+	MACS_peak_9387	125.85
## 3844	chr6	158980919	158981379	461	+	MACS_peak_9395	186.24
## 3845	chr6	159239720	159240071	352	+	MACS_peak_9397	88.81
## 3846	chr6	159291025	159291180	156	+	MACS_peak_9398	1036.15
## 3847	chr6	160114056	160114556	501	+	MACS_peak_9403	155.96
## 3848	chr6	160147894	160148307	414	+	MACS_peak_9404	253.54
## 3849	chr6	161413055	161413572	518	+	MACS_peak_9408	115.39
## 3850	chr6	161695260	161695519	260	+	MACS_peak_9410	455.96
## 3851	chr6	163834568	163834763	196	+	MACS_peak_9415	132.40
## 3852	chr6	166298504	166298858	355	+	MACS_peak_9421	90.36
## 3853	chr6	166796264	166796569	306	+	MACS_peak_9427	248.07
## 3854	chr6	167387380	167387757	378	+	MACS_peak_9431	135.08
## 3855	chr6	167411561	167411731	171	+	MACS_peak_9432	335.42
## 3856	chr6	169301360	169301528	169	+	MACS_peak_9437	157.16
## 3857	chr6	170124767	170125093	327	+	MACS_peak_9441	118.22
## 3858	chr6	170190437	170190762	326	+	MACS_peak_9443	623.47
## 3859	chr6	170468196	170468527	332	+	MACS_peak_9444	102.00
## 3860	chr6	170615762	170615963	202	+	MACS_peak_9447	140.49
## 3861	chr6	170804254	170805700	1447	+	MACS_peak_9448	222.44
## 3862	chr7	192224	192551	328	+	MACS_peak_9451	176.88
## 3863	chr7	1199927	1200150	224	+	MACS_peak_9457	489.53
## 3864	chr7	1228378	1228870	493	+	MACS_peak_9460	393.08
## 3865	chr7	1543903	1544232	330	+	MACS_peak_9465	95.25
## 3866	chr7	1609549	1609641	93	+	MACS_peak_9466	98.75
## 3867	chr7	1671357	1671521	165	+	MACS_peak_9467	188.64
## 3868	chr7	2059410	2059804	395	+	MACS_peak_9469	92.80
## 3869	chr7	2394401	2394689	289	+	MACS_peak_9471	106.04
## 3870	chr7	5013831	5014227	397	+	MACS_peak_9475	152.78
## 3871	chr7	5466889	5467102	214	+	MACS_peak_9477	136.60
## 3872	chr7	5468541	5468654	114	+	MACS_peak_9478	83.77
## 3873	chr7	5938413	5938658	246	+	MACS_peak_9486	93.94
## 3874	chr7	6131556	6131884	329	+	MACS_peak_9487	231.23
## 3875	chr7	6144125	6144318	194	+	MACS_peak_9488	1148.90
## 3876	chr7	6388335	6388477	143	+	MACS_peak_9489	100.11
## 3877	chr7	6522778	6523463	686	+	MACS_peak_9490	143.69
## 3878	chr7	6523716	6524012	297	+	MACS_peak_9491	281.69
## 3879	chr7	6543461	6543651	191	+	MACS_peak_9492	122.23
## 3880	chr7	6865603	6865952	350	+	MACS_peak_9494	106.66

## 3881	chr7	6977958	6978134	177	+	MACS_peak_9495	284.75
## 3882	chr7	7222356	7222572	217	+	MACS_peak_9496	83.75
## 3883	chr7	16461075	16461287	213	+	MACS_peak_9500	381.99
## 3884	chr7	17979824	17980402	579	+	MACS_peak_9503	356.35
## 3885	chr7	18022734	18022932	199	+	MACS_peak_9504	149.61
## 3886	chr7	19156951	19157084	134	+	MACS_peak_9507	128.23
## 3887	chr7	20836943	20837516	574	+	MACS_peak_9509	284.20
## 3888	chr7	21466596	21466822	227	+	MACS_peak_9510	182.83
## 3889	chr7	22396362	22396785	424	+	MACS_peak_9513	108.05
## 3890	chr7	22893924	22894368	445	+	MACS_peak_9514	211.09
## 3891	chr7	23075718	23075986	269	+	MACS_peak_9515	83.26
## 3892	chr7	23571785	23572066	282	+	MACS_peak_9516	288.96
## 3893	chr7	23719788	23719983	196	+	MACS_peak_9518	154.14
## 3894	chr7	24613046	24613498	453	+	MACS_peak_9520	142.85
## 3895	chr7	24797088	24797240	153	+	MACS_peak_9521	200.66
## 3896	chr7	25766573	25766741	169	+	MACS_peak_9525	150.34
## 3897	chr7	25783807	25783937	131	+	MACS_peak_9526	105.56
## 3898	chr7	26903701	26903957	257	+	MACS_peak_9535	125.07
## 3899	chr7	27153238	27153743	506	+	MACS_peak_9537	80.26
## 3900	chr7	27224711	27225134	424	+	MACS_peak_9539	674.24
## 3901	chr7	27717634	27717832	199	+	MACS_peak_9541	190.01
## 3902	chr7	28219363	28219645	283	+	MACS_peak_9543	390.04
## 3903	chr7	28725943	28726205	263	+	MACS_peak_9547	204.48
## 3904	chr7	29185949	29186369	421	+	MACS_peak_9551	96.94
## 3905	chr7	29725367	29725434	68	+	MACS_peak_9555	81.02
## 3906	chr7	30324123	30324730	608	+	MACS_peak_9558	93.81
## 3907	chr7	30544407	30544605	199	+	MACS_peak_9560	97.00
## 3908	chr7	32767550	32768063	514	+	MACS_peak_9567	213.78
## 3909	chr7	32982471	32982840	370	+	MACS_peak_9569	341.09
## 3910	chr7	33148557	33149131	575	+	MACS_peak_9574	181.40
## 3911	chr7	35077612	35077806	195	+	MACS_peak_9582	199.19
## 3912	chr7	37487703	37487996	294	+	MACS_peak_9593	86.77
## 3913	chr7	37886765	37887083	319	+	MACS_peak_9594	156.62
## 3914	chr7	37887848	37888027	180	+	MACS_peak_9596	140.78
## 3915	chr7	38217462	38217590	129	+	MACS_peak_9597	229.91
## 3916	chr7	38670797	38671133	337	+	MACS_peak_9598	151.12
## 3917	chr7	39393518	39393732	215	+	MACS_peak_9599	139.44
## 3918	chr7	39453959	39454248	290	+	MACS_peak_9600	176.45
## 3919	chr7	39605951	39606299	349	+	MACS_peak_9602	110.61
## 3920	chr7	41744738	41744936	199	+	MACS_peak_9608	220.63
## 3921	chr7	42928351	42928509	159	+	MACS_peak_9610	287.86
## 3922	chr7	43099030	43099195	166	+	MACS_peak_9611	98.59
## 3923	chr7	43152711	43153160	450	+	MACS_peak_9612	110.11
## 3924	chr7	43769126	43769336	211	+	MACS_peak_9615	168.17
## 3925	chr7	43945733	43946289	557	+	MACS_peak_9618	179.73
## 3926	chr7	43965840	43966082	243	+	MACS_peak_9619	1710.39
## 3927	chr7	44121895	44122122	228	+	MACS_peak_9620	719.34
## 3928	chr7	44146136	44146371	236	+	MACS_peak_9621	177.19
## 3929	chr7	44213960	44214635	676	+	MACS_peak_9622	210.55
## 3930	chr7	44233867	44234004	138	+	MACS_peak_9623	135.63
## 3931	chr7	44529946	44530471	526	+	MACS_peak_9624	253.22
## 3932	chr7	44654940	44655083	144	+	MACS_peak_9627	100.37
## 3933	chr7	44787888	44787977	90	+	MACS_peak_9628	133.02
## 3934	chr7	44896762	44896903	142	+	MACS_peak_9629	377.14

## 3935	chr7	45039390	45039622	233	+	MACS_peak_9633	188.72
## 3936	chr7	47294023	47294260	238	+	MACS_peak_9636	160.03
## 3937	chr7	47428521	47428746	226	+	MACS_peak_9637	361.16
## 3938	chr7	48018971	48019193	223	+	MACS_peak_9638	88.10
## 3939	chr7	48128251	48128635	385	+	MACS_peak_9641	89.59
## 3940	chr7	51674802	51675139	338	+	MACS_peak_9648	131.79
## 3941	chr7	54610093	54610371	279	+	MACS_peak_9650	103.30
## 3942	chr7	55433197	55433488	292	+	MACS_peak_9652	84.55
## 3943	chr7	56174111	56174515	405	+	MACS_peak_9657	234.66
## 3944	chr7	65580082	65580296	215	+	MACS_peak_9660	86.09
## 3945	chr7	66205685	66205971	287	+	MACS_peak_9668	129.98
## 3946	chr7	66386085	66386398	314	+	MACS_peak_9669	210.40
## 3947	chr7	69063418	69063638	221	+	MACS_peak_9672	145.18
## 3948	chr7	69064195	69064770	576	+	MACS_peak_9673	92.87
## 3949	chr7	70096048	70096508	461	+	MACS_peak_9677	124.02
## 3950	chr7	72300155	72300347	193	+	MACS_peak_9683	140.48
## 3951	chr7	72350197	72350648	452	+	MACS_peak_9684	103.95
## 3952	chr7	73512307	73512460	154	+	MACS_peak_9693	230.45
## 3953	chr7	74072185	74072654	470	+	MACS_peak_9696	334.59
## 3954	chr7	74203357	74203637	281	+	MACS_peak_9697	160.01
## 3955	chr7	74489268	74489546	279	+	MACS_peak_9699	96.96
## 3956	chr7	74572531	74572711	181	+	MACS_peak_9701	183.66
## 3957	chr7	75157018	75157258	241	+	MACS_peak_9703	91.92
## 3958	chr7	75268829	75268890	62	+	MACS_peak_9704	102.85
## 3959	chr7	75449276	75449475	200	+	MACS_peak_9706	90.84
## 3960	chr7	75947288	75947400	113	+	MACS_peak_9709	133.28
## 3961	chr7	77326205	77326521	317	+	MACS_peak_9713	119.59
## 3962	chr7	79764355	79764821	467	+	MACS_peak_9717	132.32
## 3963	chr7	80548248	80548642	395	+	MACS_peak_9719	114.28
## 3964	chr7	82791733	82792213	481	+	MACS_peak_9722	281.58
## 3965	chr7	83779682	83780035	354	+	MACS_peak_9724	127.27
## 3966	chr7	83824172	83824366	195	+	MACS_peak_9725	132.78
## 3967	chr7	84320270	84320653	384	+	MACS_peak_9726	337.18
## 3968	chr7	84815972	84816510	539	+	MACS_peak_9727	142.95
## 3969	chr7	86974536	86974841	306	+	MACS_peak_9733	120.94
## 3970	chr7	87104027	87104174	148	+	MACS_peak_9734	90.48
## 3971	chr7	87230037	87230254	218	+	MACS_peak_9735	372.75
## 3972	chr7	87505593	87506003	411	+	MACS_peak_9737	119.79
## 3973	chr7	90225551	90226108	558	+	MACS_peak_9741	89.99
## 3974	chr7	90558136	90558296	161	+	MACS_peak_9742	150.58
## 3975	chr7	90893468	90893962	495	+	MACS_peak_9743	108.27
## 3976	chr7	91570227	91570650	424	+	MACS_peak_9746	152.99
## 3977	chr7	91875570	91875778	209	+	MACS_peak_9749	299.80
## 3978	chr7	92219495	92219844	350	+	MACS_peak_9753	112.96
## 3979	chr7	92462510	92462973	464	+	MACS_peak_9755	142.70
## 3980	chr7	92750433	92750577	145	+	MACS_peak_9757	173.31
## 3981	chr7	93551104	93551487	384	+	MACS_peak_9759	170.29
## 3982	chr7	95950803	95951028	226	+	MACS_peak_9763	240.03
## 3983	chr7	96635813	96636063	251	+	MACS_peak_9764	161.16
## 3984	chr7	97501450	97501577	128	+	MACS_peak_9768	94.68
## 3985	chr7	98030233	98030483	251	+	MACS_peak_9774	390.04
## 3986	chr7	98252861	98253095	235	+	MACS_peak_9775	330.64
## 3987	chr7	99006267	99006620	354	+	MACS_peak_9781	539.25
## 3988	chr7	99156289	99156619	331	+	MACS_peak_9786	114.81

## 3989	chr7	99516851	99517096	246	+	MACS_peak_9789	250.12
## 3990	chr7	100034243	100034536	294	+	MACS_peak_9797	356.89
## 3991	chr7	100048202	100048431	230	+	MACS_peak_9799	316.86
## 3992	chr7	100202416	100202553	138	+	MACS_peak_9801	90.27
## 3993	chr7	100272206	100272403	198	+	MACS_peak_9803	101.05
## 3994	chr7	100493144	100493458	315	+	MACS_peak_9805	82.19
## 3995	chr7	101499831	101500122	292	+	MACS_peak_9813	336.14
## 3996	chr7	102152299	102152631	333	+	MACS_peak_9816	90.53
## 3997	chr7	102715284	102715516	233	+	MACS_peak_9819	314.99
## 3998	chr7	102789511	102790039	529	+	MACS_peak_9820	174.48
## 3999	chr7	104653622	104653938	317	+	MACS_peak_9827	247.99
## 4000	chr7	105029111	105029365	255	+	MACS_peak_9830	186.60
## 4001	chr7	105162422	105162691	270	+	MACS_peak_9831	226.51
## 4002	chr7	105172518	105172727	210	+	MACS_peak_9832	165.68
## 4003	chr7	105752869	105753108	240	+	MACS_peak_9833	196.59
## 4004	chr7	105925037	105925709	673	+	MACS_peak_9834	413.18
## 4005	chr7	106271734	106272883	1150	+	MACS_peak_9835	1675.09
## 4006	chr7	106300453	106300854	402	+	MACS_peak_9836	168.35
## 4007	chr7	106685263	106685555	293	+	MACS_peak_9837	287.30
## 4008	chr7	106808764	106808981	218	+	MACS_peak_9838	99.41
## 4009	chr7	107220801	107221048	248	+	MACS_peak_9839	490.80
## 4010	chr7	108096773	108096865	93	+	MACS_peak_9842	136.76
## 4011	chr7	108150754	108151010	257	+	MACS_peak_9843	199.22
## 4012	chr7	111714646	111714887	242	+	MACS_peak_9845	147.85
## 4013	chr7	112089941	112090253	313	+	MACS_peak_9847	160.33
## 4014	chr7	113725675	113726098	424	+	MACS_peak_9851	86.49
## 4015	chr7	113726259	113726513	255	+	MACS_peak_9852	144.97
## 4016	chr7	115850622	115851027	406	+	MACS_peak_9859	154.72
## 4017	chr7	116082349	116082629	281	+	MACS_peak_9861	109.41
## 4018	chr7	116139549	116140090	542	+	MACS_peak_9862	231.38
## 4019	chr7	116346974	116347271	298	+	MACS_peak_9866	191.89
## 4020	chr7	116593465	116593731	267	+	MACS_peak_9868	91.83
## 4021	chr7	116654900	116654993	94	+	MACS_peak_9869	223.92
## 4022	chr7	120496792	120497060	269	+	MACS_peak_9872	104.85
## 4023	chr7	120497668	120498273	606	+	MACS_peak_9873	135.09
## 4024	chr7	121036193	121036425	233	+	MACS_peak_9875	383.46
## 4025	chr7	121513090	121513283	194	+	MACS_peak_9877	131.11
## 4026	chr7	121928011	121928401	391	+	MACS_peak_9879	674.12
## 4027	chr7	123389288	123389539	252	+	MACS_peak_9882	98.75
## 4028	chr7	123672739	123673053	315	+	MACS_peak_9883	135.56
## 4029	chr7	124405574	124405895	322	+	MACS_peak_9884	1248.51
## 4030	chr7	124570130	124570260	131	+	MACS_peak_9885	795.46
## 4031	chr7	126892882	126893382	501	+	MACS_peak_9887	299.58
## 4032	chr7	127983612	127983867	256	+	MACS_peak_9895	160.87
## 4033	chr7	128001383	128001819	437	+	MACS_peak_9896	152.12
## 4034	chr7	128050004	128050448	445	+	MACS_peak_9897	141.26
## 4035	chr7	128116559	128116900	342	+	MACS_peak_9898	185.50
## 4036	chr7	128694805	128695121	317	+	MACS_peak_9904	250.90
## 4037	chr7	128828046	128828280	235	+	MACS_peak_9905	95.48
## 4038	chr7	128864316	128864512	197	+	MACS_peak_9906	204.74
## 4039	chr7	128865005	128865217	213	+	MACS_peak_9907	80.44
## 4040	chr7	129074279	129074582	304	+	MACS_peak_9908	738.88
## 4041	chr7	129251232	129251607	376	+	MACS_peak_9910	113.21
## 4042	chr7	130418506	130418901	396	+	MACS_peak_9915	80.77

## 4043	chr7	132676855	132677068	214	+	MACS_peak_9922	190.01
## 4044	chr7	134001455	134001725	271	+	MACS_peak_9925	398.20
## 4045	chr7	134117205	134117810	606	+	MACS_peak_9926	325.29
## 4046	chr7	134671419	134671680	262	+	MACS_peak_9930	205.43
## 4047	chr7	134854981	134855702	722	+	MACS_peak_9931	117.98
## 4048	chr7	134896085	134896694	610	+	MACS_peak_9932	107.15
## 4049	chr7	135399406	135399687	282	+	MACS_peak_9934	84.30
## 4050	chr7	135661796	135662149	354	+	MACS_peak_9935	308.41
## 4051	chr7	138144965	138145405	441	+	MACS_peak_9937	308.23
## 4052	chr7	138348449	138348621	173	+	MACS_peak_9938	171.29
## 4053	chr7	138794479	138794782	304	+	MACS_peak_9940	82.53
## 4054	chr7	138915442	138915719	278	+	MACS_peak_9942	114.79
## 4055	chr7	139025735	139025946	212	+	MACS_peak_9945	147.64
## 4056	chr7	139043826	139044132	307	+	MACS_peak_9946	363.50
## 4057	chr7	139167754	139168131	378	+	MACS_peak_9948	81.38
## 4058	chr7	139877091	139877340	250	+	MACS_peak_9949	768.00
## 4059	chr7	139931006	139931280	275	+	MACS_peak_9950	258.65
## 4060	chr7	140178621	140178784	164	+	MACS_peak_9951	104.08
## 4061	chr7	140372978	140373415	438	+	MACS_peak_9956	114.90
## 4062	chr7	140732713	140732956	244	+	MACS_peak_9959	80.86
## 4063	chr7	142552451	142552765	315	+	MACS_peak_9963	150.27
## 4064	chr7	142983530	142983824	295	+	MACS_peak_9964	88.60
## 4065	chr7	142985096	142985319	224	+	MACS_peak_9965	89.03
## 4066	chr7	145813253	145813585	333	+	MACS_peak_9973	363.44
## 4067	chr7	148302533	148302719	187	+	MACS_peak_9977	523.19
## 4068	chr7	148395610	148396336	727	+	MACS_peak_9978	129.17
## 4069	chr7	148581551	148581872	322	+	MACS_peak_9980	95.43
## 4070	chr7	148726014	148726267	254	+	MACS_peak_9984	101.07
## 4071	chr7	148762438	148762823	386	+	MACS_peak_9985	93.70
## 4072	chr7	148787464	148787901	438	+	MACS_peak_9986	100.45
## 4073	chr7	148892570	148892705	136	+	MACS_peak_9988	103.55
## 4074	chr7	148959319	148959507	189	+	MACS_peak_9990	143.70
## 4075	chr7	149194645	149194977	333	+	MACS_peak_9992	223.34
## 4076	chr7	149321831	149322046	216	+	MACS_peak_9993	193.78
## 4077	chr7	149388018	149388515	498	+	MACS_peak_9994	230.71
## 4078	chr7	149439379	149439753	375	+	MACS_peak_9995	147.74
## 4079	chr7	150672209	150672386	178	+	MACS_peak_10001	98.75
## 4080	chr7	150948762	150948955	194	+	MACS_peak_10004	89.13
## 4081	chr7	151215479	151215762	284	+	MACS_peak_10011	80.04
## 4082	chr7	151329115	151329295	181	+	MACS_peak_10012	85.73
## 4083	chr7	151574572	151574803	232	+	MACS_peak_10016	87.44
## 4084	chr7	152160358	152160739	382	+	MACS_peak_10018	329.36
## 4085	chr7	152161295	152161775	481	+	MACS_peak_10019	141.29
## 4086	chr7	154795382	154795589	208	+	MACS_peak_10027	159.92
## 4087	chr7	154997189	154997354	166	+	MACS_peak_10028	97.06
## 4088	chr7	154998166	154998502	337	+	MACS_peak_10029	236.38
## 4089	chr7	155302658	155303081	424	+	MACS_peak_10032	171.97
## 4090	chr7	155437070	155437580	511	+	MACS_peak_10033	88.50
## 4091	chr7	155601092	155601512	421	+	MACS_peak_10034	231.77
## 4092	chr7	156684810	156685122	313	+	MACS_peak_10037	128.87
## 4093	chr7	156686217	156686538	322	+	MACS_peak_10038	83.49
## 4094	chr7	156804232	156804507	276	+	MACS_peak_10042	254.75
## 4095	chr7	157091237	157091481	245	+	MACS_peak_10046	154.57
## 4096	chr7	157667999	157668220	222	+	MACS_peak_10047	85.66

## 4097	chr7	158509676	158510239	564	+ MACS_peak_10050	86.55
## 4098	chr7	158621180	158621992	813	+ MACS_peak_10051	554.49
## 4099	chr8	182855	183142	288	+ MACS_peak_10055	150.03
## 4100	chr8	638373	638516	144	+ MACS_peak_10058	455.54
## 4101	chr8	6566459	6566642	184	+ MACS_peak_10062	123.67
## 4102	chr8	7468880	7469155	276	+ MACS_peak_10064	121.92
## 4103	chr8	7923108	7923354	247	+ MACS_peak_10067	129.72
## 4104	chr8	9911592	9911934	343	+ MACS_peak_10071	144.61
## 4105	chr8	11142107	11142350	244	+ MACS_peak_10072	199.43
## 4106	chr8	11550126	11550349	224	+ MACS_peak_10073	875.93
## 4107	chr8	11665786	11665928	143	+ MACS_peak_10075	84.60
## 4108	chr8	11872368	11872634	267	+ MACS_peak_10076	149.87
## 4109	chr8	12051449	12051655	207	+ MACS_peak_10077	124.41
## 4110	chr8	13133907	13134094	188	+ MACS_peak_10084	210.42
## 4111	chr8	19797118	19797259	142	+ MACS_peak_10091	122.06
## 4112	chr8	21946951	21947037	87	+ MACS_peak_10094	202.83
## 4113	chr8	22022883	22023040	158	+ MACS_peak_10095	148.76
## 4114	chr8	22102428	22102718	291	+ MACS_peak_10096	198.51
## 4115	chr8	22298264	22298598	335	+ MACS_peak_10097	98.11
## 4116	chr8	23314922	23315275	354	+ MACS_peak_10099	124.04
## 4117	chr8	23386921	23387298	378	+ MACS_peak_10101	92.86
## 4118	chr8	24774881	24775111	231	+ MACS_peak_10102	151.15
## 4119	chr8	24813024	24813815	792	+ MACS_peak_10103	747.81
## 4120	chr8	26371372	26371691	320	+ MACS_peak_10107	85.45
## 4121	chr8	26519377	26519501	125	+ MACS_peak_10109	250.99
## 4122	chr8	27630033	27630153	121	+ MACS_peak_10113	229.40
## 4123	chr8	28480239	28480506	268	+ MACS_peak_10120	360.68
## 4124	chr8	37217115	37217500	386	+ MACS_peak_10134	89.36
## 4125	chr8	37552647	37552847	201	+ MACS_peak_10139	144.14
## 4126	chr8	37553924	37554741	818	+ MACS_peak_10141	156.49
## 4127	chr8	37739521	37739641	121	+ MACS_peak_10143	136.78
## 4128	chr8	37888226	37888553	328	+ MACS_peak_10145	104.72
## 4129	chr8	37962589	37963199	611	+ MACS_peak_10147	217.20
## 4130	chr8	38126436	38126699	264	+ MACS_peak_10149	109.24
## 4131	chr8	38244229	38244508	280	+ MACS_peak_10151	88.68
## 4132	chr8	38385462	38385711	250	+ MACS_peak_10153	169.38
## 4133	chr8	38414029	38414426	398	+ MACS_peak_10154	342.83
## 4134	chr8	41908641	41908963	323	+ MACS_peak_10162	155.97
## 4135	chr8	42381174	42381283	110	+ MACS_peak_10167	331.06
## 4136	chr8	42396746	42397214	469	+ MACS_peak_10168	181.55
## 4137	chr8	42698340	42698717	378	+ MACS_peak_10169	318.12
## 4138	chr8	42911764	42911918	155	+ MACS_peak_10170	83.83
## 4139	chr8	43066697	43066847	151	+ MACS_peak_10173	269.86
## 4140	chr8	48100975	48101253	279	+ MACS_peak_10177	80.63
## 4141	chr8	48173206	48173711	506	+ MACS_peak_10178	169.95
## 4142	chr8	48873247	48873411	165	+ MACS_peak_10179	118.19
## 4143	chr8	49834406	49834619	214	+ MACS_peak_10183	172.08
## 4144	chr8	52783327	52783473	147	+ MACS_peak_10184	192.40
## 4145	chr8	53499494	53499650	157	+ MACS_peak_10185	127.43
## 4146	chr8	53626080	53626371	292	+ MACS_peak_10187	107.35
## 4147	chr8	53854311	53854487	177	+ MACS_peak_10188	160.53
## 4148	chr8	54792495	54793570	1076	+ MACS_peak_10195	271.89
## 4149	chr8	54793839	54794103	265	+ MACS_peak_10196	80.86
## 4150	chr8	54934555	54934911	357	+ MACS_peak_10198	96.35

## 4151	chr8	56685469	56685973	505	+ MACS_peak_10201	622.51
## 4152	chr8	56793006	56793197	192	+ MACS_peak_10202	146.39
## 4153	chr8	57124313	57124541	229	+ MACS_peak_10204	166.13
## 4154	chr8	59572136	59572342	207	+ MACS_peak_10206	156.59
## 4155	chr8	61193718	61194164	447	+ MACS_peak_10207	127.17
## 4156	chr8	61566354	61566572	219	+ MACS_peak_10210	200.85
## 4157	chr8	61590851	61591089	239	+ MACS_peak_10211	1048.04
## 4158	chr8	62052207	62052373	167	+ MACS_peak_10215	259.98
## 4159	chr8	63951994	63952112	119	+ MACS_peak_10218	104.98
## 4160	chr8	66546128	66546370	243	+ MACS_peak_10221	270.08
## 4161	chr8	66754162	66754305	144	+ MACS_peak_10224	81.23
## 4162	chr8	67524694	67524909	216	+ MACS_peak_10226	82.37
## 4163	chr8	67525180	67525838	659	+ MACS_peak_10227	258.01
## 4164	chr8	67624734	67625192	459	+ MACS_peak_10230	114.78
## 4165	chr8	67837580	67837796	217	+ MACS_peak_10231	137.86
## 4166	chr8	67841741	67841993	253	+ MACS_peak_10232	104.79
## 4167	chr8	68255868	68256164	297	+ MACS_peak_10233	931.80
## 4168	chr8	68864205	68864572	368	+ MACS_peak_10234	121.08
## 4169	chr8	70269087	70269362	276	+ MACS_peak_10236	85.07
## 4170	chr8	70746444	70746884	441	+ MACS_peak_10240	178.91
## 4171	chr8	71097040	71097213	174	+ MACS_peak_10243	104.28
## 4172	chr8	71314907	71315706	800	+ MACS_peak_10245	353.27
## 4173	chr8	71520542	71520852	311	+ MACS_peak_10246	918.05
## 4174	chr8	73391769	73391983	215	+ MACS_peak_10252	108.56
## 4175	chr8	73448817	73449273	457	+ MACS_peak_10253	124.54
## 4176	chr8	74207694	74208237	544	+ MACS_peak_10257	121.44
## 4177	chr8	75232979	75233278	300	+ MACS_peak_10260	606.89
## 4178	chr8	75896401	75896732	332	+ MACS_peak_10262	165.70
## 4179	chr8	77590399	77590542	144	+ MACS_peak_10266	139.59
## 4180	chr8	79577975	79578161	187	+ MACS_peak_10269	116.92
## 4181	chr8	80679899	80680333	435	+ MACS_peak_10271	89.48
## 4182	chr8	82023359	82023480	122	+ MACS_peak_10277	133.84
## 4183	chr8	86089389	86090119	731	+ MACS_peak_10280	224.93
## 4184	chr8	87354998	87355456	459	+ MACS_peak_10281	97.85
## 4185	chr8	87526853	87527050	198	+ MACS_peak_10282	99.48
## 4186	chr8	89339428	89339900	473	+ MACS_peak_10283	146.08
## 4187	chr8	89340158	89340279	122	+ MACS_peak_10284	81.68
## 4188	chr8	89340710	89341181	472	+ MACS_peak_10285	264.43
## 4189	chr8	90769725	90769999	275	+ MACS_peak_10287	80.30
## 4190	chr8	90914163	90914362	200	+ MACS_peak_10288	116.45
## 4191	chr8	90996475	90996714	240	+ MACS_peak_10289	113.68
## 4192	chr8	94712305	94712577	273	+ MACS_peak_10295	176.56
## 4193	chr8	94712930	94713261	332	+ MACS_peak_10296	102.94
## 4194	chr8	94928591	94928808	218	+ MACS_peak_10297	117.75
## 4195	chr8	95003780	95004007	228	+ MACS_peak_10299	90.75
## 4196	chr8	95487105	95487323	219	+ MACS_peak_10303	384.41
## 4197	chr8	95835606	95835926	321	+ MACS_peak_10304	92.70
## 4198	chr8	95906841	95907033	193	+ MACS_peak_10305	483.24
## 4199	chr8	96037263	96037494	232	+ MACS_peak_10306	101.41
## 4200	chr8	96282147	96282447	301	+ MACS_peak_10310	93.09
## 4201	chr8	97505877	97506208	332	+ MACS_peak_10312	118.69
## 4202	chr8	99438946	99439156	211	+ MACS_peak_10320	177.36
## 4203	chr8	99837516	99837844	329	+ MACS_peak_10322	85.83
## 4204	chr8	100025261	100025823	563	+ MACS_peak_10323	212.55

## 4205	chr8	101225243	101225582	340	+ MACS_peak_10325	504.39
## 4206	chr8	101321689	101322268	580	+ MACS_peak_10326	227.95
## 4207	chr8	101734262	101734488	227	+ MACS_peak_10328	1173.34
## 4208	chr8	101920873	101921051	179	+ MACS_peak_10329	158.23
## 4209	chr8	101962668	101963013	346	+ MACS_peak_10330	91.71
## 4210	chr8	101964654	101965103	450	+ MACS_peak_10331	181.72
## 4211	chr8	103136280	103136486	207	+ MACS_peak_10333	162.80
## 4212	chr8	103422900	103423068	169	+ MACS_peak_10335	206.76
## 4213	chr8	103665947	103666262	316	+ MACS_peak_10337	83.02
## 4214	chr8	103668054	103668197	144	+ MACS_peak_10338	243.34
## 4215	chr8	103818594	103819382	789	+ MACS_peak_10340	273.70
## 4216	chr8	103875350	103875497	148	+ MACS_peak_10344	216.77
## 4217	chr8	104512524	104513165	642	+ MACS_peak_10348	198.38
## 4218	chr8	105601160	105601406	247	+ MACS_peak_10351	96.66
## 4219	chr8	110346055	110346345	291	+ MACS_peak_10353	460.11
## 4220	chr8	121135933	121136079	147	+ MACS_peak_10362	133.75
## 4221	chr8	124169876	124170193	318	+ MACS_peak_10374	208.84
## 4222	chr8	124253337	124253578	242	+ MACS_peak_10375	127.08
## 4223	chr8	125486550	125486789	240	+ MACS_peak_10383	96.85
## 4224	chr8	126010217	126010544	328	+ MACS_peak_10387	91.05
## 4225	chr8	126442208	126442736	529	+ MACS_peak_10391	83.35
## 4226	chr8	128748503	128748817	315	+ MACS_peak_10393	85.60
## 4227	chr8	131028668	131028952	285	+ MACS_peak_10396	256.76
## 4228	chr8	131370331	131370731	401	+ MACS_peak_10398	152.50
## 4229	chr8	131531221	131531453	233	+ MACS_peak_10401	195.63
## 4230	chr8	134309274	134309499	226	+ MACS_peak_10406	86.43
## 4231	chr8	135844931	135845095	165	+ MACS_peak_10412	229.99
## 4232	chr8	140718055	140718370	316	+ MACS_peak_10415	175.94
## 4233	chr8	141803963	141804180	218	+ MACS_peak_10420	151.88
## 4234	chr8	142006283	142006590	308	+ MACS_peak_10421	110.55
## 4235	chr8	142010313	142010512	200	+ MACS_peak_10422	190.07
## 4236	chr8	142011095	142011345	251	+ MACS_peak_10423	122.57
## 4237	chr8	142138187	142138365	179	+ MACS_peak_10425	86.58
## 4238	chr8	142377207	142377369	163	+ MACS_peak_10426	138.70
## 4239	chr8	143807968	143808137	170	+ MACS_peak_10428	118.86
## 4240	chr8	144360806	144361120	315	+ MACS_peak_10431	160.01
## 4241	chr8	144363658	144363835	178	+ MACS_peak_10432	3041.72
## 4242	chr8	144512654	144513309	656	+ MACS_peak_10435	269.97
## 4243	chr8	144679457	144679719	263	+ MACS_peak_10438	587.82
## 4244	chr8	144717738	144718055	318	+ MACS_peak_10440	221.86
## 4245	chr8	144843316	144843560	245	+ MACS_peak_10442	152.91
## 4246	chr8	145149915	145150206	292	+ MACS_peak_10446	91.92
## 4247	chr8	145582474	145582824	351	+ MACS_peak_10450	155.20
## 4248	chr8	145980771	145980892	122	+ MACS_peak_10458	134.25
## 4249	chr8	146127809	146128100	292	+ MACS_peak_10460	158.44
## 4250	chr8	146228030	146228283	254	+ MACS_peak_10461	112.17
## 4251	chr9	214929	215116	188	+ MACS_peak_10467	506.28
## 4252	chr9	976242	976756	515	+ MACS_peak_10470	238.92
## 4253	chr9	2016486	2016778	293	+ MACS_peak_10472	102.17
## 4254	chr9	2017569	2017667	99	+ MACS_peak_10473	119.06
## 4255	chr9	4605937	4606108	172	+ MACS_peak_10477	91.92
## 4256	chr9	4662282	4662440	159	+ MACS_peak_10478	234.59
## 4257	chr9	4740980	4741482	503	+ MACS_peak_10479	334.69
## 4258	chr9	4984642	4985277	636	+ MACS_peak_10480	831.24

## 4259	chr9	5303949	5304164	216	+ MACS_peak_10482	141.76
## 4260	chr9	5339063	5339436	374	+ MACS_peak_10483	160.53
## 4261	chr9	6645725	6646000	276	+ MACS_peak_10486	773.79
## 4262	chr9	8857902	8858161	260	+ MACS_peak_10491	107.17
## 4263	chr9	14315168	14315497	330	+ MACS_peak_10493	87.02
## 4264	chr9	14322434	14322944	511	+ MACS_peak_10494	155.64
## 4265	chr9	15510507	15510929	423	+ MACS_peak_10498	185.34
## 4266	chr9	15553003	15553189	187	+ MACS_peak_10499	210.12
## 4267	chr9	17579308	17579733	426	+ MACS_peak_10507	88.10
## 4268	chr9	19048996	19049313	318	+ MACS_peak_10511	121.35
## 4269	chr9	19102741	19102925	185	+ MACS_peak_10512	190.14
## 4270	chr9	20658242	20658374	133	+ MACS_peak_10517	365.18
## 4271	chr9	22447176	22447436	261	+ MACS_peak_10526	183.28
## 4272	chr9	25716336	25716396	61	+ MACS_peak_10528	106.61
## 4273	chr9	26892338	26892927	590	+ MACS_peak_10529	580.21
## 4274	chr9	27573182	27573419	238	+ MACS_peak_10531	220.88
## 4275	chr9	32526340	32526438	99	+ MACS_peak_10535	196.93
## 4276	chr9	32550568	32550981	414	+ MACS_peak_10536	192.64
## 4277	chr9	33167126	33167237	112	+ MACS_peak_10538	115.74
## 4278	chr9	33264418	33264774	357	+ MACS_peak_10540	103.48
## 4279	chr9	33624080	33624333	254	+ MACS_peak_10541	160.88
## 4280	chr9	33676968	33677349	382	+ MACS_peak_10542	673.45
## 4281	chr9	33816987	33817548	562	+ MACS_peak_10543	157.12
## 4282	chr9	34048564	34048842	279	+ MACS_peak_10545	83.11
## 4283	chr9	34179380	34179483	104	+ MACS_peak_10548	100.88
## 4284	chr9	34376683	34376920	238	+ MACS_peak_10549	251.13
## 4285	chr9	34494129	34494329	201	+ MACS_peak_10550	229.73
## 4286	chr9	35072285	35072684	400	+ MACS_peak_10553	223.27
## 4287	chr9	35096221	35096459	239	+ MACS_peak_10554	152.25
## 4288	chr9	35489642	35489848	207	+ MACS_peak_10555	141.22
## 4289	chr9	35611213	35611487	275	+ MACS_peak_10558	369.59
## 4290	chr9	35657794	35657978	185	+ MACS_peak_10559	462.77
## 4291	chr9	35814799	35815079	281	+ MACS_peak_10560	363.23
## 4292	chr9	36136505	36137136	632	+ MACS_peak_10561	94.95
## 4293	chr9	36487964	36488252	289	+ MACS_peak_10563	80.44
## 4294	chr9	36572713	36572995	283	+ MACS_peak_10565	127.27
## 4295	chr9	36995833	36996043	211	+ MACS_peak_10568	112.77
## 4296	chr9	37120528	37120775	248	+ MACS_peak_10569	83.85
## 4297	chr9	37465903	37466093	191	+ MACS_peak_10570	98.75
## 4298	chr9	37592663	37592803	141	+ MACS_peak_10572	156.42
## 4299	chr9	37903943	37904344	402	+ MACS_peak_10574	120.52
## 4300	chr9	38227186	38227274	89	+ MACS_peak_10576	100.37
## 4301	chr9	68726199	68726694	496	+ MACS_peak_10589	95.29
## 4302	chr9	69065499	69065629	131	+ MACS_peak_10590	84.15
## 4303	chr9	71319794	71320162	369	+ MACS_peak_10592	93.09
## 4304	chr9	71788621	71789009	389	+ MACS_peak_10594	118.68
## 4305	chr9	72287794	72288024	231	+ MACS_peak_10598	320.32
## 4306	chr9	73035732	73035925	194	+ MACS_peak_10601	86.24
## 4307	chr9	74654075	74654197	123	+ MACS_peak_10605	659.76
## 4308	chr9	74979667	74980151	485	+ MACS_peak_10607	163.52
## 4309	chr9	74980655	74981010	356	+ MACS_peak_10608	343.19
## 4310	chr9	77502028	77502248	221	+ MACS_peak_10610	83.02
## 4311	chr9	77567580	77567797	218	+ MACS_peak_10611	219.95
## 4312	chr9	77703298	77703528	231	+ MACS_peak_10613	195.58

## 4313	chr9	79009164	79009726	563	+ MACS_peak_10614	80.31
## 4314	chr9	79433393	79433593	201	+ MACS_peak_10616	145.31
## 4315	chr9	79626898	79627436	539	+ MACS_peak_10618	108.27
## 4316	chr9	79714267	79714600	334	+ MACS_peak_10620	82.07
## 4317	chr9	79792501	79792768	268	+ MACS_peak_10621	93.03
## 4318	chr9	79793018	79793350	333	+ MACS_peak_10622	92.70
## 4319	chr9	80851197	80851374	178	+ MACS_peak_10626	119.09
## 4320	chr9	82206855	82207284	430	+ MACS_peak_10630	520.68
## 4321	chr9	82259120	82259296	177	+ MACS_peak_10631	129.02
## 4322	chr9	88714249	88714729	481	+ MACS_peak_10644	193.08
## 4323	chr9	89562256	89562526	271	+ MACS_peak_10650	939.75
## 4324	chr9	89563693	89563874	182	+ MACS_peak_10651	114.92
## 4325	chr9	89828986	89829242	257	+ MACS_peak_10653	215.49
## 4326	chr9	90341140	90341446	307	+ MACS_peak_10655	107.24
## 4327	chr9	93405041	93405166	126	+ MACS_peak_10666	112.74
## 4328	chr9	93956199	93956218	20	+ MACS_peak_10668	96.58
## 4329	chr9	94277401	94277516	116	+ MACS_peak_10670	161.57
## 4330	chr9	94711173	94711488	316	+ MACS_peak_10673	109.24
## 4331	chr9	95088105	95088319	215	+ MACS_peak_10675	309.23
## 4332	chr9	96213535	96213828	294	+ MACS_peak_10679	324.31
## 4333	chr9	96929187	96929496	310	+ MACS_peak_10682	155.97
## 4334	chr9	97505309	97505576	268	+ MACS_peak_10684	172.18
## 4335	chr9	98189101	98189316	216	+ MACS_peak_10687	112.82
## 4336	chr9	98278099	98278285	187	+ MACS_peak_10688	224.43
## 4337	chr9	98534789	98534969	181	+ MACS_peak_10689	111.63
## 4338	chr9	99381457	99381697	241	+ MACS_peak_10691	220.30
## 4339	chr9	99417148	99417367	220	+ MACS_peak_10692	163.59
## 4340	chr9	99616579	99616769	191	+ MACS_peak_10693	511.60
## 4341	chr9	99775617	99775855	239	+ MACS_peak_10694	82.80
## 4342	chr9	99801536	99801757	222	+ MACS_peak_10695	259.88
## 4343	chr9	100263559	100263816	258	+ MACS_peak_10700	290.20
## 4344	chr9	100395754	100396007	254	+ MACS_peak_10702	147.14
## 4345	chr9	100819087	100819333	247	+ MACS_peak_10705	89.78
## 4346	chr9	100955206	100955473	268	+ MACS_peak_10706	253.45
## 4347	chr9	101469300	101469890	591	+ MACS_peak_10707	108.08
## 4348	chr9	109012056	109012398	343	+ MACS_peak_10717	196.60
## 4349	chr9	109624644	109625029	386	+ MACS_peak_10718	221.67
## 4350	chr9	109625343	109626475	1133	+ MACS_peak_10719	189.44
## 4351	chr9	110187671	110187928	258	+ MACS_peak_10720	258.46
## 4352	chr9	111696264	111696598	335	+ MACS_peak_10725	142.45
## 4353	chr9	111776927	111777222	296	+ MACS_peak_10727	984.63
## 4354	chr9	111969138	111969365	228	+ MACS_peak_10729	270.41
## 4355	chr9	112262153	112262209	57	+ MACS_peak_10730	97.37
## 4356	chr9	113051663	113051916	254	+ MACS_peak_10733	150.37
## 4357	chr9	113341498	113341900	403	+ MACS_peak_10734	120.65
## 4358	chr9	114393600	114393895	296	+ MACS_peak_10736	156.42
## 4359	chr9	114658866	114658988	123	+ MACS_peak_10738	98.92
## 4360	chr9	115095464	115095806	343	+ MACS_peak_10740	166.76
## 4361	chr9	115827542	115827739	198	+ MACS_peak_10745	131.82
## 4362	chr9	115832964	115833216	253	+ MACS_peak_10746	145.32
## 4363	chr9	115843840	115844066	227	+ MACS_peak_10748	220.94
## 4364	chr9	115849313	115849492	180	+ MACS_peak_10749	125.60
## 4365	chr9	115873793	115874008	216	+ MACS_peak_10750	107.17
## 4366	chr9	115875178	115875390	213	+ MACS_peak_10751	112.36

## 4367	chr9	116172500	116172653	154	+ MACS_peak_10752	242.21
## 4368	chr9	123836868	123837113	246	+ MACS_peak_10760	100.22
## 4369	chr9	124261922	124262135	214	+ MACS_peak_10762	217.42
## 4370	chr9	124401434	124401735	302	+ MACS_peak_10763	138.50
## 4371	chr9	124855742	124855872	131	+ MACS_peak_10764	106.96
## 4372	chr9	127014344	127014530	187	+ MACS_peak_10772	277.70
## 4373	chr9	127242864	127243010	147	+ MACS_peak_10774	108.56
## 4374	chr9	127631436	127631890	455	+ MACS_peak_10778	148.79
## 4375	chr9	127905640	127905915	276	+ MACS_peak_10779	107.71
## 4376	chr9	128469335	128469700	366	+ MACS_peak_10781	225.77
## 4377	chr9	128508539	128509299	761	+ MACS_peak_10782	536.07
## 4378	chr9	128511147	128511357	211	+ MACS_peak_10783	125.07
## 4379	chr9	130159435	130159789	355	+ MACS_peak_10788	104.60
## 4380	chr9	130185867	130186192	326	+ MACS_peak_10789	86.27
## 4381	chr9	130206336	130206832	497	+ MACS_peak_10790	115.99
## 4382	chr9	130477471	130477894	424	+ MACS_peak_10793	88.70
## 4383	chr9	130497121	130497626	506	+ MACS_peak_10794	133.49
## 4384	chr9	130533754	130534021	268	+ MACS_peak_10795	121.52
## 4385	chr9	130548106	130548526	421	+ MACS_peak_10796	226.47
## 4386	chr9	130742844	130743241	398	+ MACS_peak_10799	80.85
## 4387	chr9	130860812	130861005	194	+ MACS_peak_10801	207.50
## 4388	chr9	131102608	131102818	211	+ MACS_peak_10802	204.73
## 4389	chr9	131465045	131465358	314	+ MACS_peak_10808	173.35
## 4390	chr9	131533828	131534294	467	+ MACS_peak_10809	113.70
## 4391	chr9	131549268	131549440	173	+ MACS_peak_10810	336.41
## 4392	chr9	131710041	131710227	187	+ MACS_peak_10811	534.71
## 4393	chr9	131843376	131843602	227	+ MACS_peak_10813	382.72
## 4394	chr9	132175804	132176047	244	+ MACS_peak_10815	238.18
## 4395	chr9	132250753	132251076	324	+ MACS_peak_10816	218.76
## 4396	chr9	132382522	132382730	209	+ MACS_peak_10819	113.95
## 4397	chr9	132565453	132565734	282	+ MACS_peak_10820	149.66
## 4398	chr9	132648176	132648475	300	+ MACS_peak_10822	190.23
## 4399	chr9	132805289	132805478	190	+ MACS_peak_10823	142.00
## 4400	chr9	133319850	133319977	128	+ MACS_peak_10824	87.20
## 4401	chr9	133556590	133556900	311	+ MACS_peak_10827	168.71
## 4402	chr9	133711499	133711665	167	+ MACS_peak_10830	214.19
## 4403	chr9	133971733	133972163	431	+ MACS_peak_10832	146.94
## 4404	chr9	134225374	134225596	223	+ MACS_peak_10833	119.27
## 4405	chr9	134278219	134278432	214	+ MACS_peak_10834	295.32
## 4406	chr9	134614754	134615125	372	+ MACS_peak_10837	340.38
## 4407	chr9	135545281	135545562	282	+ MACS_peak_10840	126.41
## 4408	chr9	136159952	136160198	247	+ MACS_peak_10841	102.60
## 4409	chr9	136857204	136857627	424	+ MACS_peak_10843	719.51
## 4410	chr9	137740867	137741247	381	+ MACS_peak_10846	94.98
## 4411	chr9	137741870	137742384	515	+ MACS_peak_10847	173.33
## 4412	chr9	137797412	137797806	395	+ MACS_peak_10848	193.88
## 4413	chr9	138798435	138798634	200	+ MACS_peak_10853	93.72
## 4414	chr9	139159351	139159659	309	+ MACS_peak_10856	237.52
## 4415	chr9	139334175	139334330	156	+ MACS_peak_10857	161.80
## 4416	chr9	139581535	139581890	356	+ MACS_peak_10859	300.69
## 4417	chr9	139606209	139606514	306	+ MACS_peak_10860	162.02
## 4418	chr9	139622578	139622775	198	+ MACS_peak_10861	223.27
## 4419	chr9	139838850	139839121	272	+ MACS_peak_10864	527.52
## 4420	chr9	139886945	139887120	176	+ MACS_peak_10865	84.23

## 4421	chr9	139981419	139981568	150	+ MACS_peak_10867	571.97
## 4422	chr9	140135743	140135838	96	+ MACS_peak_10869	249.89
## 4423	chr9	140345428	140346644	1217	+ MACS_peak_10870	964.30
## 4424	chr9	140398223	140398634	412	+ MACS_peak_10871	704.98
## 4425	chr9	140500201	140500485	285	+ MACS_peak_10873	82.40
## 4426	chr9	140634839	140635082	244	+ MACS_peak_10874	171.33
## 4427	chr9	141044686	141044998	313	+ MACS_peak_10875	96.57
## 4428	chrX	1846481	1846728	248	+ MACS_peak_10899	145.84
## 4429	chrX	2006441	2007138	698	+ MACS_peak_10903	489.49
## 4430	chrX	10588288	10588597	310	+ MACS_peak_10911	239.95
## 4431	chrX	12809144	12809649	506	+ MACS_peak_10914	90.37
## 4432	chrX	13665900	13666193	294	+ MACS_peak_10915	93.22
## 4433	chrX	13752872	13753120	249	+ MACS_peak_10917	123.87
## 4434	chrX	15872754	15873252	499	+ MACS_peak_10919	706.67
## 4435	chrX	16804492	16804756	265	+ MACS_peak_10923	105.67
## 4436	chrX	16964786	16964899	114	+ MACS_peak_10924	96.94
## 4437	chrX	18372350	18372813	464	+ MACS_peak_10929	229.35
## 4438	chrX	19002903	19003346	444	+ MACS_peak_10932	168.33
## 4439	chrX	20380409	20380554	146	+ MACS_peak_10936	154.77
## 4440	chrX	21756768	21756954	187	+ MACS_peak_10939	151.11
## 4441	chrX	22140776	22140980	205	+ MACS_peak_10942	127.27
## 4442	chrX	23841180	23841440	261	+ MACS_peak_10947	89.45
## 4443	chrX	24043289	24043485	197	+ MACS_peak_10948	146.01
## 4444	chrX	24072941	24073283	343	+ MACS_peak_10950	169.79
## 4445	chrX	38079990	38080172	183	+ MACS_peak_10958	201.69
## 4446	chrX	39828288	39828716	429	+ MACS_peak_10960	154.12
## 4447	chrX	39958374	39958634	261	+ MACS_peak_10962	207.38
## 4448	chrX	39965827	39966051	225	+ MACS_peak_10963	468.55
## 4449	chrX	39967319	39967531	213	+ MACS_peak_10965	129.29
## 4450	chrX	40594822	40595051	230	+ MACS_peak_10969	338.37
## 4451	chrX	40653197	40653375	179	+ MACS_peak_10970	116.94
## 4452	chrX	41135372	41135641	270	+ MACS_peak_10971	101.83
## 4453	chrX	46404806	46405157	352	+ MACS_peak_10978	115.40
## 4454	chrX	47050233	47050409	177	+ MACS_peak_10980	293.46
## 4455	chrX	47518551	47518828	278	+ MACS_peak_10985	123.23
## 4456	chrX	49687282	49687590	309	+ MACS_peak_10992	147.17
## 4457	chrX	51075435	51075859	425	+ MACS_peak_10993	89.95
## 4458	chrX	51238953	51239518	566	+ MACS_peak_10994	132.83
## 4459	chrX	51364383	51364516	134	+ MACS_peak_10995	442.42
## 4460	chrX	52949962	52950047	86	+ MACS_peak_10997	114.92
## 4461	chrX	53104289	53104545	257	+ MACS_peak_10999	133.77
## 4462	chrX	53449082	53449227	146	+ MACS_peak_11001	340.05
## 4463	chrX	53461211	53461425	215	+ MACS_peak_11002	95.77
## 4464	chrX	53710964	53711114	151	+ MACS_peak_11003	180.57
## 4465	chrX	53713219	53713874	656	+ MACS_peak_11004	145.30
## 4466	chrX	54384596	54384798	203	+ MACS_peak_11009	99.63
## 4467	chrX	62571035	62571251	217	+ MACS_peak_11016	211.10
## 4468	chrX	67653305	67653679	375	+ MACS_peak_11020	115.09
## 4469	chrX	68049428	68049677	250	+ MACS_peak_11022	399.48
## 4470	chrX	71238314	71238623	310	+ MACS_peak_11026	149.05
## 4471	chrX	71401144	71401379	236	+ MACS_peak_11027	111.76
## 4472	chrX	71526064	71527009	946	+ MACS_peak_11028	581.74
## 4473	chrX	100186407	100186614	208	+ MACS_peak_11044	796.84
## 4474	chrX	102611464	102611621	158	+ MACS_peak_11052	83.02

## 4475	chrX	106045974	106046190	217	+ MACS_peak_11057	185.80
## 4476	chrX	107069637	107070296	660	+ MACS_peak_11060	100.31
## 4477	chrX	107979292	107979527	236	+ MACS_peak_11063	91.71
## 4478	chrX	114579984	114580393	410	+ MACS_peak_11072	190.98
## 4479	chrX	118075082	118075292	211	+ MACS_peak_11082	93.09
## 4480	chrX	118370060	118370700	641	+ MACS_peak_11084	133.58
## 4481	chrX	118602644	118603137	494	+ MACS_peak_11085	134.89
## 4482	chrX	118650339	118650584	246	+ MACS_peak_11086	146.47
## 4483	chrX	118708553	118708904	352	+ MACS_peak_11087	147.04
## 4484	chrX	118925493	118925875	383	+ MACS_peak_11090	463.51
## 4485	chrX	118986783	118986969	187	+ MACS_peak_11091	490.12
## 4486	chrX	119378704	119379180	477	+ MACS_peak_11094	394.11
## 4487	chrX	119384677	119384877	201	+ MACS_peak_11095	215.16
## 4488	chrX	119443430	119443608	179	+ MACS_peak_11096	84.30
## 4489	chrX	119715870	119716071	202	+ MACS_peak_11098	81.58
## 4490	chrX	123095580	123095692	113	+ MACS_peak_11103	95.45
## 4491	chrX	128657141	128657256	116	+ MACS_peak_11110	80.77
## 4492	chrX	128739587	128739698	112	+ MACS_peak_11112	94.56
## 4493	chrX	128977121	128977424	304	+ MACS_peak_11114	112.48
## 4494	chrX	129091104	129091346	243	+ MACS_peak_11115	112.81
## 4495	chrX	129254832	129255093	262	+ MACS_peak_11117	115.84
## 4496	chrX	129473683	129474052	370	+ MACS_peak_11118	81.15
## 4497	chrX	129535959	129536279	321	+ MACS_peak_11119	259.57
## 4498	chrX	131157106	131157644	539	+ MACS_peak_11121	175.66
## 4499	chrX	132091452	132091870	419	+ MACS_peak_11124	178.38
## 4500	chrX	133594115	133594390	276	+ MACS_peak_11126	538.39
## 4501	chrX	134049153	134049507	355	+ MACS_peak_11130	96.90
## 4502	chrX	134156439	134156673	235	+ MACS_peak_11133	166.76
## 4503	chrX	134185749	134185979	231	+ MACS_peak_11134	116.22
## 4504	chrX	134429559	134429915	357	+ MACS_peak_11135	83.58
## 4505	chrX	134909209	134909423	215	+ MACS_peak_11140	246.41
## 4506	chrX	135055814	135056170	357	+ MACS_peak_11141	114.28
## 4507	chrX	135992329	135992492	164	+ MACS_peak_11144	81.20
## 4508	chrX	146994012	146994260	249	+ MACS_peak_11152	110.61
## 4509	chrX	149566509	149566705	197	+ MACS_peak_11155	169.65
## 4510	chrX	149993006	149993262	257	+ MACS_peak_11157	147.11
## 4511	chrX	151922278	151922390	113	+ MACS_peak_11163	106.61
## 4512	chrX	152736164	152736300	137	+ MACS_peak_11166	167.15
## 4513	chrX	152864266	152864572	307	+ MACS_peak_11167	245.07
## 4514	chrX	152912600	152912777	178	+ MACS_peak_11168	153.71
## 4515	chrX	152974072	152974216	145	+ MACS_peak_11170	96.91
## 4516	chrX	152989925	152990371	447	+ MACS_peak_11171	152.30
## 4517	chrX	153193609	153193920	312	+ MACS_peak_11173	109.43
## 4518	chrX	153236998	153237638	641	+ MACS_peak_11174	213.58
## 4519	chrX	153438263	153438532	270	+ MACS_peak_11176	340.05
## 4520	chrX	153475433	153475541	109	+ MACS_peak_11177	511.87
## 4521	chrX	153513235	153513359	125	+ MACS_peak_11178	368.68
## 4522	chrX	153570143	153570543	401	+ MACS_peak_11179	179.73
## 4523	chrX	153606613	153606818	206	+ MACS_peak_11180	117.04
## 4524	chrX	153626083	153626485	403	+ MACS_peak_11181	365.46
## 4525	chrX	153639640	153639815	176	+ MACS_peak_11182	522.08
## 4526	chrX	153755348	153755783	436	+ MACS_peak_11186	162.10
## 4527	chrX	153979133	153979207	75	+ MACS_peak_11187	88.05
## 4528	chrX	154033826	154034025	200	+ MACS_peak_11188	140.76

```
## 4529 chrX 154114771 154115057 287 + MACS_peak_11190 85.32
## 4530 chrX 154687889 154688156 268 + MACS_peak_11193 85.33
## 4531 chrX 155102983 155103161 179 + MACS_peak_11195 135.46
## 4532 chrX 155110955 155111525 571 + MACS_peak_11196 156.62
```

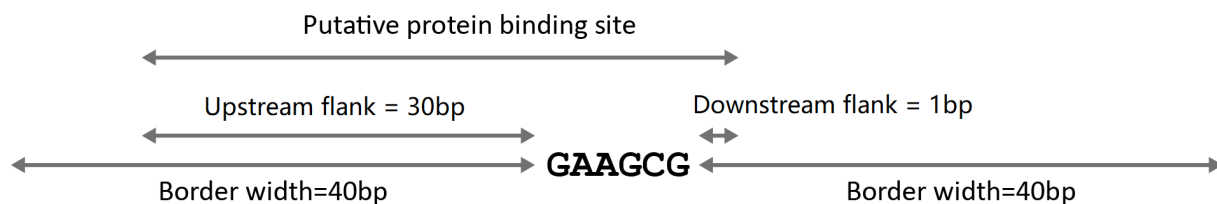
Searching for all GAAGCG anchor positions within ZNF343 ChIP-exo peaks

```
# Creating anchor motif with prefixed bases
Anchor_pfm <- TFBSTools::PFMatrix(ID="Anchor", name=anchor,
                                   profileMatrix=TFCookbook::anchorMatrix(anchor))

# Finding all anchor sites within ZNF343 ChIP-exo peaks
(Anchor_pos <- motifmatchr::matchMotifs(Anchor_pfm, ZNF343_peaks, genome = "hg19",
                                         out="positions", p.cutoff = 1e-5,)[[1]] %>% as_tibble() %>%
  select(seqnames, start, end, strand))
```

```
## # A tibble: 3,231 x 4
##   seqnames start end strand
##   <fct>    <int> <int> <fct>
## 1 chr1      29353 29358 -
## 2 chr1      762427 762432 +
## 3 chr1     1166912 1166917 +
## 4 chr1     1166918 1166923 +
## 5 chr1     1166934 1166939 +
## 6 chr1     2144411 2144416 +
## 7 chr1     2323447 2323452 -
## 8 chr1     3371244 3371249 +
## 9 chr1     3371289 3371294 +
## 10 chr1    3371474 3371479 -
## # ... with 3,221 more rows
```

Counting the ChIP-exo reads adjacent to each anchor site



```
Anchor_pos %<>% mutate(exo_count=mapply(countExo,
                                       as.character(seqnames), start, end, strand))
```

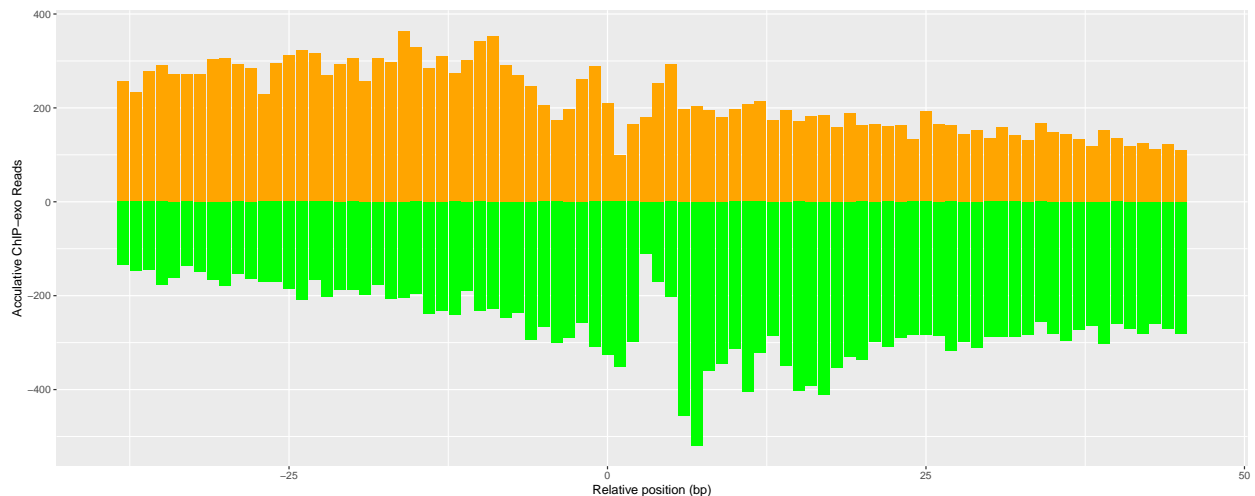
Plotting the accumulative ChIP-exo reads in forward and reverse direction respectively near the anchor sites.

```
plus_count <- array(0L, dim=nchar(anchor)+2*border_width)
minus_count <- array(0L, dim=nchar(anchor)+2*border_width)

Anchor_pos %>% mutate(exo_count=mapapply(countExo2,
                                          as.character(seqnames), start, end, strand))
```

```
## # A tibble: 3,231 x 5
##   seqnames    start    end strand exo_count
##   <fct>      <int>    <int> <fct>  <named list>
## 1 chr1      29353    29358 -      <int [2]>
## 2 chr1     762427   762432 +      <int [2]>
## 3 chr1    1166912  1166917 +      <int [7]>
## 4 chr1    1166918  1166923 +      <int [6]>
## 5 chr1    1166934  1166939 +      <int [9]>
## 6 chr1    2144411  2144416 +      <int [2]>
## 7 chr1    2323447  2323452 -      <int [3]>
## 8 chr1    3371244  3371249 +      <int [3]>
## 9 chr1    3371289  3371294 +      <int [2]>
## 10 chr1   3371474  3371479 -      <int [2]>
## # ... with 3,221 more rows
```

```
ggplot()+
  geom_bar(aes(x=-39:46, weight=plus_count), fill="orange") +
  geom_bar(aes(x=-39:46, weight=minus_count), fill="green") +
  xlim(-39,46) +
  xlab("Relative position (bp)") +
  ylab("Acculative ChIP-exo Reads")
```



Building binding energy model based on ChIP-exo reads data near anchor sites

For each individual anchor site, the full flanking sequence is extracted based on `upstream_flank` and `downstream_flank` parameters (For ZNF343, it's 30 and 1 respectively).

By taking negative logarithmic ratio of the exo reads, we can estimate the relative binding energy for each site.

$$P_i = \frac{1}{e^{(E_i - \mu)/k_B T} + 1} \approx e^{-(E_i - \mu)/k_B T}$$

where P_i is the occupancy, or binding probability of TF to some particular site i in the genome, which should be proportional to the exo reads near site i . In an ideal equilibrium-driven system, the occupancy can be defined by above equation, and approximated as $e^{-(E_i - \mu)/k_B T}$ if the protein concentration is sufficiently low. Therefore we can use the negative logarithmic ratio of exo reads near each site to calculate relative binding energy for data regression and motif analysis

```
# Extending the anchor position by fixed upstream and downstream distances
Anchor_pos %<>%
  filter(exo_count>0) %>%
  mutate(start = if_else(strand=="+",
                        start-upstream_flank, start-downstream_flank),
         end = if_else(strand=="+",
                      end+downstream_flank, end+upstream_flank),
         Energy=-log(exo_count))

# Extracting sequences surrounding the anchor sites
Anchor_pos$Sequence <- BSgenome::getSeq(Hsapiens,
                                         names=Anchor_pos$seqnames,
                                         start=Anchor_pos$start,
                                         end=Anchor_pos$end,
                                         strand=Anchor_pos$strand) %>% as.character()

Anchor_pos
```

```
## # A tibble: 3,159 x 7
##   seqnames    start      end strand exo_count Energy Sequence
##   <fct>      <dbl>    <dbl> <fct>    <int>  <dbl> <chr>
## 1 chr1      29352    29388 -         3   -1.10 GGGCTAGGACCCAGCGGCTCCGGCAGA...
## 2 chr1     762397   762433 +         6   -1.79 ACTCAGGGTCCTGTCTGAGGCGGCCAC...
## 3 chr1    1166882  1166918 +         7   -1.95 CTAAGTGGGGATGAGGGTCCACGCGGT...
## 4 chr1    1166888  1166924 +         4   -1.39 GGGGATGAGGGTCCACGCGGTTCAGAA...
## 5 chr1    1166904  1166940 +         4   -1.39 GCGGTTCAGAAGCGGAAGCGCAGGCGC...
## 6 chr1    2144381  2144417 +         7   -1.95 CTGCAGGGACTTTTCCTTCCTCGGAGA...
## 7 chr1    2323446  2323482 -         3   -1.10 CCGCCCGCCCGCGGCCTTGACAGCCCG...
## 8 chr1    3371214  3371250 +         1    0     CAGCCGCGCCCTCCAGCCAGACCGCG...
## 9 chr1    3371259  3371295 +         4   -1.39 CCCCGGGCCGGACCGCGCTGCCGAGG...
## 10 chr1    3371473  3371509 -         8   -2.08 CGGGGCTTGCGGGAAAAGCGAGGGGGA...
## # ... with 3,149 more rows
```

TFCookbook is set of functions written in R to analyze and visualize protein-DNA energy model, which can be accessed from <https://github.com/zeropin/TFCookbook>.

```
model <- TFCookbook::buildEnergyModel(Anchor_pos)
```

```
## Warning: Expected 111 pieces. Additional pieces discarded in 3159 rows [1, 2, 3,
## 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, ...].
```



```
summary(model)
```

```
##
## Call:
## lm(formula = Energy ~ . - Energy, data = .)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.87648 -0.44403 -0.01204  0.44141  2.22475
##
## Coefficients: (18 not defined because of singularities)
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -1.7476872  0.0930043 -18.791  < 2e-16 ***
## `1CG`        0.0033087  0.0327998   0.101  0.919656
## `1CA`       -0.0381364  0.0429586  -0.888  0.374746
## `1CT`       -0.0375989  0.0436493  -0.861  0.389093
## `2CG`       -0.0204564  0.0337145  -0.607  0.544060
## `2CA`       -0.0825216  0.0415990  -1.984  0.047374 *
## `2CT`        0.0130139  0.0430584   0.302  0.762490
## `3CG`        0.0059615  0.0340001   0.175  0.860826
## `3CA`        0.0073564  0.0417679   0.176  0.860207
## `3CT`       -0.0062896  0.0430735  -0.146  0.883914
## `4CG`       -0.0478368  0.0330655  -1.447  0.148075
## `4CA`       -0.0575759  0.0432228  -1.332  0.182935
## `4CT`       -0.1210951  0.0437273  -2.769  0.005651 **
## `5CG`        0.0454724  0.0339396   1.340  0.180409
## `5CA`       -0.0478439  0.0412165  -1.161  0.245815
## `5CT`        0.0053155  0.0444649   0.120  0.904852
## `6CG`        0.0140595  0.0339504   0.414  0.678816
## `6CA`       -0.0421493  0.0418674  -1.007  0.314143
## `6CT`        0.0036446  0.0442155   0.082  0.934312
## `7CG`        0.0377701  0.0334490   1.129  0.258909
## `7CA`        0.0044352  0.0424822   0.104  0.916857
## `7CT`        0.0118612  0.0433707   0.273  0.784499
## `8CG`       -0.0289418  0.0341238  -0.848  0.396426
## `8CA`       -0.0464416  0.0411057  -1.130  0.258645
## `8CT`        0.0092606  0.0433761   0.213  0.830955
## `9CG`        0.0151335  0.0347389   0.436  0.663132
## `9CA`        0.0035610  0.0418195   0.085  0.932147
## `9CT`       -0.0586696  0.0430284  -1.364  0.172823
## `10CG`       0.0122813  0.0335885   0.366  0.714658
## `10CA`      -0.0337085  0.0437735  -0.770  0.441320
## `10CT`       0.0136265  0.0438254   0.311  0.755878
## `11CG`      -0.0008937  0.0343453  -0.026  0.979242
## `11CA`      -0.0190244  0.0413111  -0.461  0.645179
## `11CT`       0.0738764  0.0425403   1.737  0.082555 .
## `12CG`       0.0233695  0.0338538   0.690  0.490053
## `12CA`       0.0120414  0.0425917   0.283  0.777413
## `12CT`       0.0293099  0.0434639   0.674  0.500138
## `13CG`       0.0261638  0.0332810   0.786  0.431840
## `13CA`      -0.0078335  0.0418508  -0.187  0.851535
## `13CT`       0.0396439  0.0453518   0.874  0.382110
## `14CG`       0.0089259  0.0342230   0.261  0.794252
```

## `14CA`	0.0215362	0.0401317	0.537	0.591557
## `14CT`	0.0382229	0.0440833	0.867	0.385976
## `15CG`	-0.0286098	0.0340733	-0.840	0.401168
## `15CA`	-0.0303993	0.0415041	-0.732	0.463956
## `15CT`	0.0109916	0.0439341	0.250	0.802463
## `16CG`	0.0030196	0.0336162	0.090	0.928432
## `16CA`	-0.0060318	0.0427705	-0.141	0.887858
## `16CT`	0.0405341	0.0436116	0.929	0.352737
## `17CG`	0.0287402	0.0341919	0.841	0.400662
## `17CA`	0.0455331	0.0409783	1.111	0.266591
## `17CT`	0.0541645	0.0433998	1.248	0.212114
## `18CG`	-0.0838447	0.0339552	-2.469	0.013593 *
## `18CA`	-0.0079394	0.0419657	-0.189	0.849958
## `18CT`	-0.0271660	0.0423382	-0.642	0.521153
## `19CG`	0.0111820	0.0334545	0.334	0.738217
## `19CA`	-0.0398687	0.0426520	-0.935	0.349994
## `19CT`	0.0108556	0.0448633	0.242	0.808820
## `20CG`	0.0519942	0.0342099	1.520	0.128650
## `20CA`	0.0462652	0.0403790	1.146	0.251978
## `20CT`	-0.0017879	0.0442948	-0.040	0.967805
## `21CG`	0.0566969	0.0345088	1.643	0.100492
## `21CA`	0.0308715	0.0414897	0.744	0.456888
## `21CT`	0.0475328	0.0437401	1.087	0.277250
## `22CG`	0.0458140	0.0342013	1.340	0.180494
## `22CA`	0.1329299	0.0431548	3.080	0.002086 **
## `22CT`	0.0116189	0.0453476	0.256	0.797800
## `23CG`	-0.1116000	0.0342971	-3.254	0.001151 **
## `23CA`	-0.0335689	0.0417978	-0.803	0.421965
## `23CT`	0.0891436	0.0453508	1.966	0.049430 *
## `24CG`	0.1777555	0.0332497	5.346	9.65e-08 ***
## `24CA`	0.2290345	0.0420945	5.441	5.72e-08 ***
## `24CT`	0.2056276	0.0447274	4.597	4.45e-06 ***
## `25CG`	0.0915212	0.0335022	2.732	0.006335 **
## `25CA`	0.2226663	0.0421933	5.277	1.40e-07 ***
## `25CT`	0.1804733	0.0446898	4.038	5.51e-05 ***
## `26CG`	-0.0627961	0.0345354	-1.818	0.069114 .
## `26CA`	-0.0035681	0.0418276	-0.085	0.932024
## `26CT`	0.0264975	0.0447710	0.592	0.553997
## `27CG`	0.0696210	0.0338605	2.056	0.039856 *
## `27CA`	0.0945853	0.0418625	2.259	0.023927 *
## `27CT`	0.0353317	0.0440493	0.802	0.422561
## `28CG`	-0.1383029	0.0350124	-3.950	7.99e-05 ***
## `28CA`	-0.1124607	0.0419759	-2.679	0.007420 **
## `28CT`	0.0129820	0.0481315	0.270	0.787394
## `29CG`	-0.2670529	0.0366128	-7.294	3.81e-13 ***
## `29CA`	-0.1456996	0.0428055	-3.404	0.000673 ***
## `29CT`	-0.0274763	0.0612705	-0.448	0.653866
## `30CG`	-0.0182912	0.0420218	-0.435	0.663391
## `30CA`	0.0547309	0.0488523	1.120	0.262659
## `30CT`	-0.2106104	0.0493867	-4.265	2.06e-05 ***
## `31CG`	NA	NA	NA	NA
## `31CA`	NA	NA	NA	NA
## `31CT`	NA	NA	NA	NA
## `32CG`	NA	NA	NA	NA

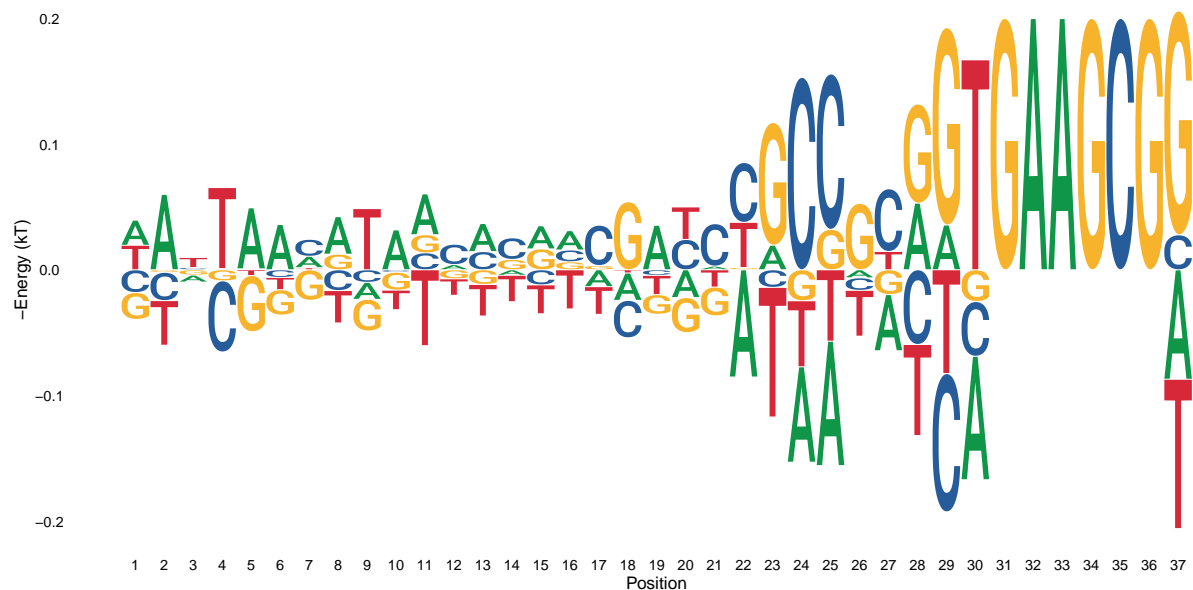
```
## `32CA`      NA      NA      NA      NA
## `32CT`      NA      NA      NA      NA
## `33CG`      NA      NA      NA      NA
## `33CA`      NA      NA      NA      NA
## `33CT`      NA      NA      NA      NA
## `34CG`      NA      NA      NA      NA
## `34CA`      NA      NA      NA      NA
## `34CT`      NA      NA      NA      NA
## `35CG`      NA      NA      NA      NA
## `35CA`      NA      NA      NA      NA
## `35CT`      NA      NA      NA      NA
## `36CG`      NA      NA      NA      NA
## `36CA`      NA      NA      NA      NA
## `36CT`      NA      NA      NA      NA
## `37CG`      -0.1503496  0.0318447 -4.721 2.45e-06 ***
## `37CA`       0.1149191  0.0466580  2.463 0.013832 *
## `37CT`       0.1466307  0.0580142  2.527 0.011538 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.7505 on 3065 degrees of freedom
## Multiple R-squared:  0.1147, Adjusted R-squared:  0.0878
## F-statistic: 4.268 on 93 and 3065 DF, p-value: < 2.2e-16
```

Plotting binding energy logo based on Position Energy Matrix (PEM)

```
matrix <- TFCookbook::getEnergyMatrix(model)

# Anchor positions are added into energy matrix for visualization purposes
matrix[,31:36] <- -0.2*anchorMatrix("GAAGCG")

TFCookbook::plotEnergyLogo(matrix)
```



Negative control with alternative anchor site(s)

We can perform the same analysis with any alternative anchor site, e.g., tAAGCG, and the resulting motif in the extended region don't match published HT-SELEX and B1H prediction, which lends evidence to our dependent recognition model of ZFPs from another perspective.

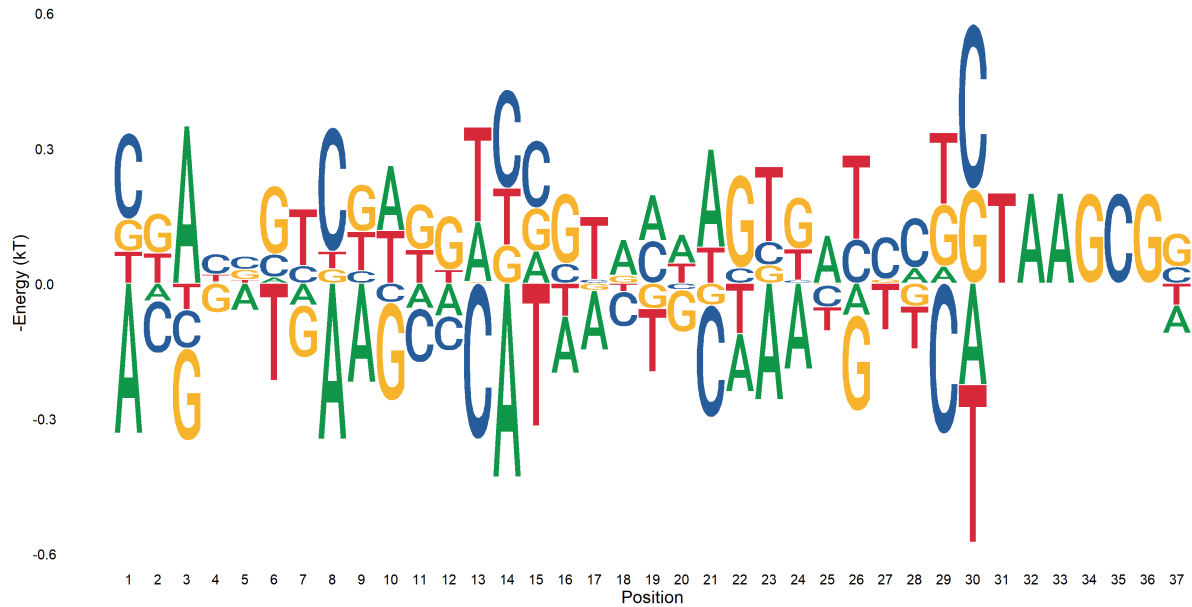


Figure 1: Motif Logo created using alternative anchor site tAAGCG