

SNVs in Splicing Sites

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Search of SNVs in Splicing Sites

```
readTxt <- function(path) {  
  read.table(file=path,  
             sep="\t",  
             header=TRUE,  
             quote "\"",  
             as.is=TRUE)  
}
```

Read VCF files from first, second and third nascent RNA samples, and all samples merged into one file on alignment step. Retrieve common SNVs for all four files (nas_common).

```
nas_vcf1_path <- file.path(fd, "nas1_snps_f.vcf.gz")  
nas_vcf2_path <- file.path(fd, "nas2_snps_f.vcf.gz")  
nas_vcf3_path <- file.path(fd, "nas3_2_snps_f.vcf.gz")  
nas_merged_vcf_path <- file.path(fd, "nas_merged_snps_f.vcf.gz")  
  
nas1 <- load_vcf(nas_vcf1_path)
```

```
## Warning in .bcfHeaderAsSimpleList(header): duplicate keys in header will be  
## forced to unique rownames
```

```
nas2 <- load_vcf(nas_vcf2_path)
```

```
## Warning in .bcfHeaderAsSimpleList(header): duplicate keys in header will be  
## forced to unique rownames
```

```
nas3 <- load_vcf(nas_vcf3_path)
```

```
## Warning in .bcfHeaderAsSimpleList(header): duplicate keys in header will be  
## forced to unique rownames
```

```
nas_merged <- load_vcf(nas_merged_vcf_path)
```

```
## Warning in .bcfHeaderAsSimpleList(header): duplicate keys in header will be  
## forced to unique rownames
```

```
nas_common <- nas_merged[nas_merged@ranges@NAMES %in%
  Reduce(intersect, list(nas1@ranges@NAMES,
    nas2@ranges@NAMES,
    nas3@ranges@NAMES,
    nas_merged@ranges@NAMES))]
```

SSs from RNA-Seq derived EEJ matrices

Load filtered EEJ dataset. We will use dataset where each EEJ has read count ≥ 10 and $\log_{10}\text{CPM} \geq 0$ at least in three samples. Then unify chromosome notation, select metadata EEJ columns, and extract SSs coordinates from EEJ coordinates.

```
ss_df <- readTxt(file.path(fd, "EEJ_raw10_cpm0_s3.txt"))
ss_df$seqnames <- gsub("chr", "", ss_df$seqnames)
ss_coords <- get_SS_from_EEJ(read_from_file=FALSE, df=ss_df)
```

Find SNVs overlapping with SSs.

```
eej_nas_common <- find_overlaps_jointSS(ss_coords, nas_common, ss_df)
nrow(eej_nas_common)
```

```
## [1] 2050
```

Add reference and alternative sequences of SSs.

```
ref_path = file.path(fd, "Homo_sapiens.GRCh38.dna_sm.toplevel.fa")
ref_idx_path = file.path(fd, "Homo_sapiens.GRCh38.dna_sm.toplevel.fa.fai")
file <- FaFile(ref_path, index=ref_idx_path)
fasta <- open(file)

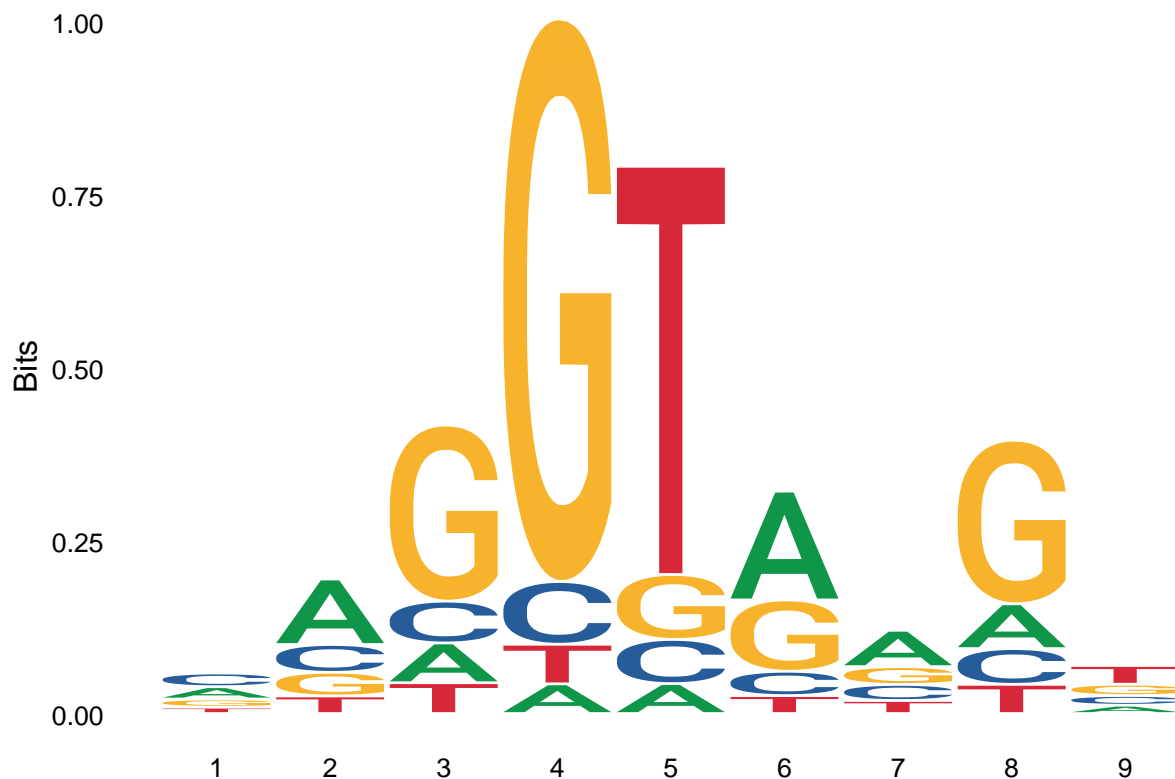
eej_nas_common <- add_refseqs(fasta, eej_nas_common)
eej_nas_common <- add_altseqs(eej_nas_common)
write.table(eej_nas_common, file=file.path(fd, "eej_nas_common.txt"), sep='\t')
head(eej_nas_common)
```

```
##           eej_id      gene_id seqnames    start      end
## 2623    chr1:1402256-1402462_str- ENSG000000242485      1 1402256 1402462
## 335558  chr1:1839238-1873958_str- ENSG000000078369      1 1839238 1873958
## 15210   chr1:3496018-3496605_str- ENSG000000162591      1 3496018 3496605
## 1453480 chr1:6098929-6098969_str+ ENSG000000069424      1 6098929 6098969
## 1214860 chr1:6098966-6099075_str+ ENSG000000069424      1 6098966 6099075
## 331664  chr1:13772214-13773078_str+ ENSG000000116731      1 13772214 13773078
##           width strand sum_raw sum_samples_raw  sum_cpm sum_samples_cpm
## 2623         207      -    1179           48 -1246.497           377
## 335558  34721      -     423           18 -1537.255           377
## 15210        588      -     265            7 -1566.112           377
## 1453480     41      +     325            4 -1736.650           377
## 1214860    110      +    1224            8 -1699.112           377
## 331664     865      +     881           24 -1438.648           377
##           mean_raw mean_cpm ss ss_start  ss_end      snp_id  snp_pos
```

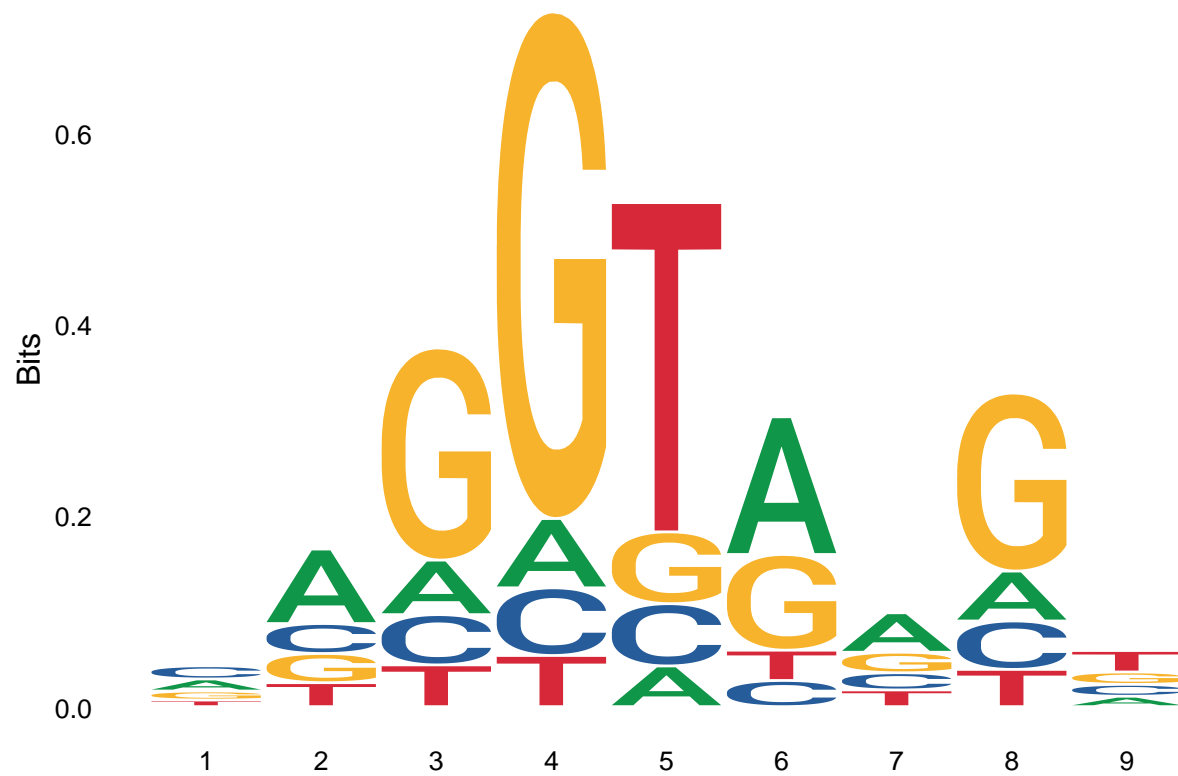
```
## 2623      24.56250 -3.306358  5  1402456  1402464  1:1402457_A/G  1402457
## 335558    23.50000 -4.077600  5  1873952  1873960  1:1873952_G/A  1873952
## 15210     37.85714 -4.154143  5  3496599  3496607  1:3496604_C/T  3496604
## 1453480   81.25000 -4.606500  5  6098927  6098935  1:6098935_G/A  6098935
## 1214860  153.00000 -4.506928  5  6098964  6098972  1:6098972_A/G  6098972
## 331664    36.70833 -3.816042  5 13772212 13772220 1:13772212_C/T 13772212
##          snp_ref snp_alt snp_pos_in_ss  refseq  altseq
## 2623            A      G              1 CAGGTGCTT CAGGTGCCT
## 335558           G      A              0 CAGGTATGC CAGGTATGT
## 15210            C      T              5 AGGGTAGGG AGGATAGGG
## 1453480          G      A              8 AAGGCCAGG AAGGCCAGA
## 1214860          A      G              8 GCAGGGCCA GCAGGGCCG
## 331664           C      T              0 CTGGTAATT TTGGTAATT
```

```
ggseqlogo(eej_nas_common$refseq[eej_nas_common$ss == "5"])
```

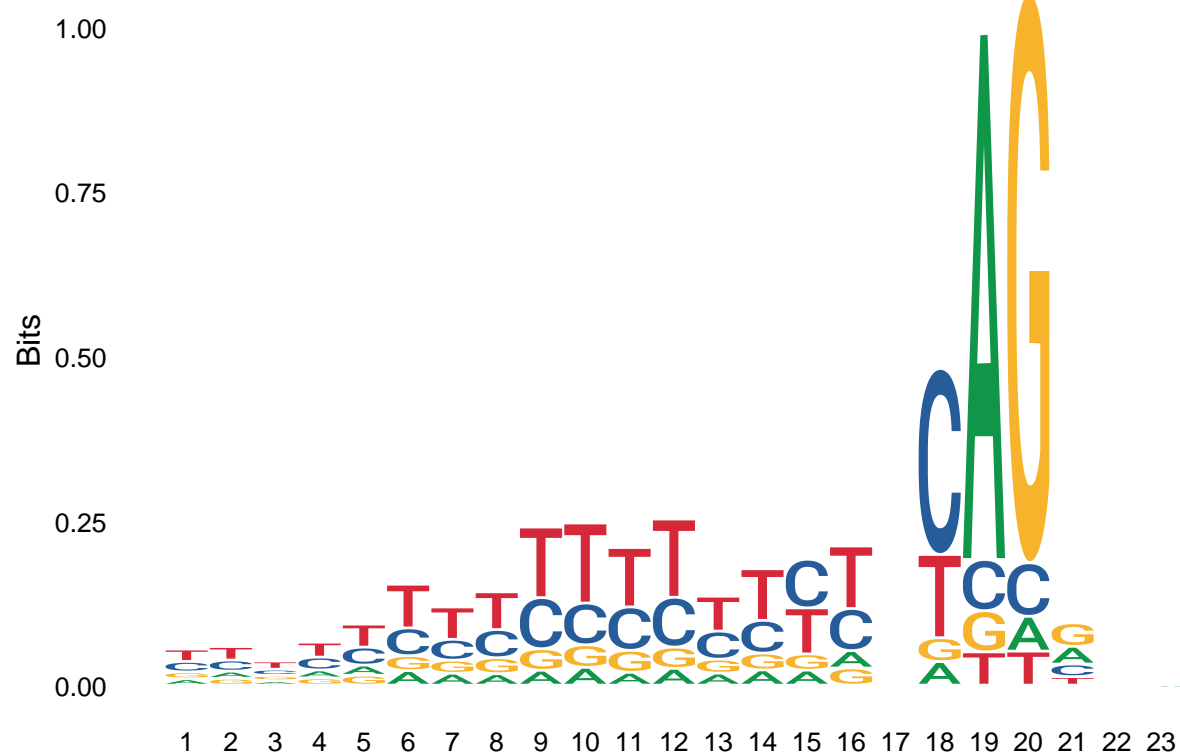
```
## Warning: The '<scale>' argument of 'guides()' cannot be 'FALSE'. Use "none" instead as
## of ggplot2 3.3.4.
## i The deprecated feature was likely used in the ggseqlogo package.
## Please report the issue at <https://github.com/omarwagih/ggseqlogo/issues>.
## This warning is displayed once every 8 hours.
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was
## generated.
```



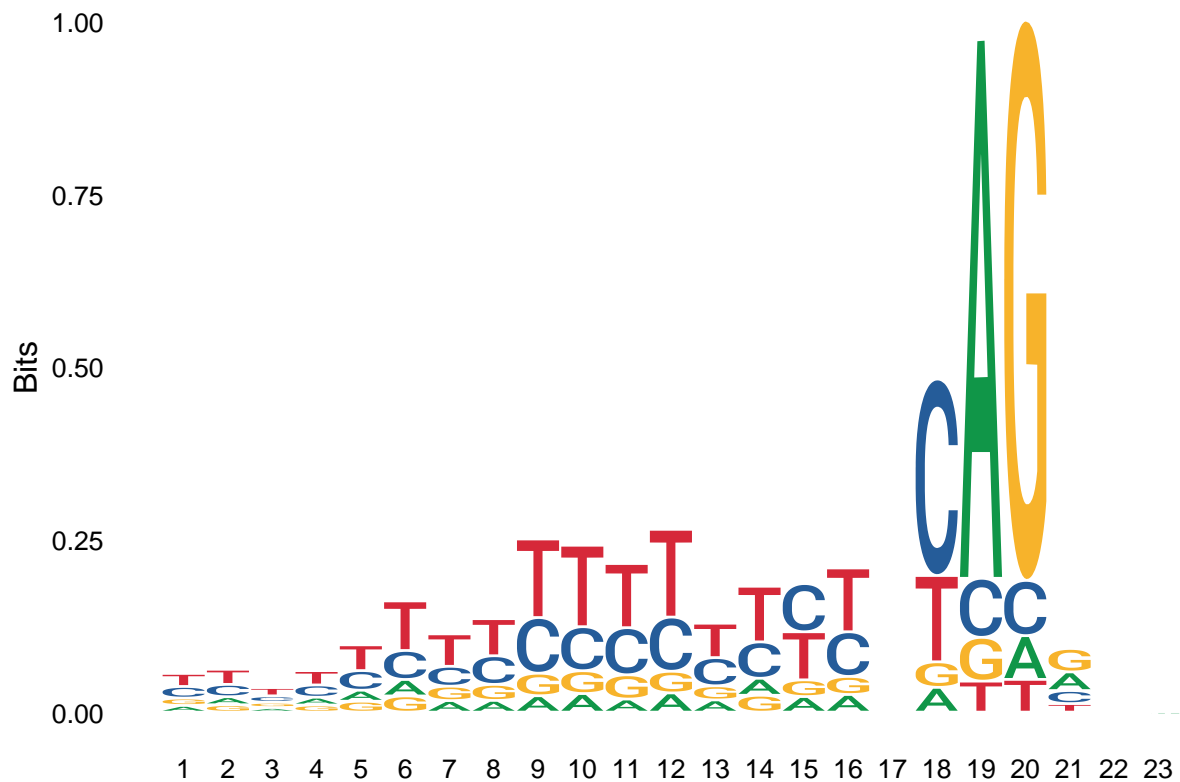
```
ggseqlogo(eej_nas_common$altseq[eej_nas_common$ss == "5"])
```



```
ggseqlogo(eej_nas_common$refseq[eej_nas_common$ss == "3"])
```



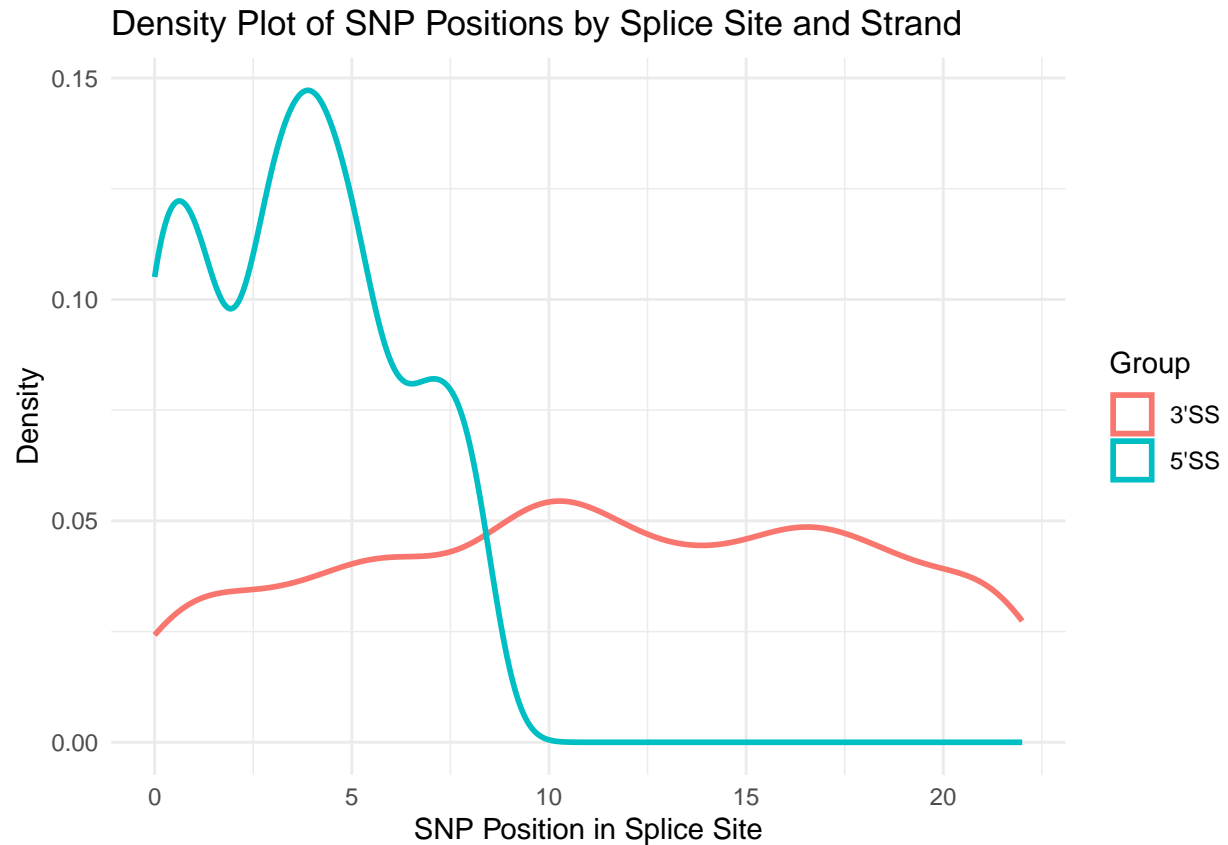
```
ggseqlogo(eej_nas_common$altseq[eej_nas_common$ss == "3"])
```



```
eej_nas_common_5ss <- eej_nas_common[eej_nas_common$ss == 5,]
eej_nas_common_3ss <- eej_nas_common[eej_nas_common$ss == 3,]

# Combine the data into one dataframe with group labels
combined <- rbind(
  data.frame(snp_pos_in_ss = eej_nas_common_5ss$snp_pos_in_ss, group = "5'SS"),
  data.frame(snp_pos_in_ss = eej_nas_common_3ss$snp_pos_in_ss, group = "3'SS")
)

# Create the ggplot density plot
ggplot(combined, aes(x = snp_pos_in_ss, color = group)) +
  geom_density(linewidth = 1) + # Add density lines
  labs(
    title = "Density Plot of SNP Positions by Splice Site and Strand",
    x = "SNP Position in Splice Site",
    y = "Density",
    color = "Group"
  ) +
  theme_minimal()
```



```
counts <- combined %>%
  group_by(group, snp_pos_in_ss) %>%
  summarise(count = n(), .groups = "drop")

dinucleotide_counts <- counts %>% # dots on the plot are dinucleotides
  filter(
    (group == "5'SS" & (snp_pos_in_ss == 4 | snp_pos_in_ss == 5)) |
    (group == "3'SS" & (snp_pos_in_ss == 19 | snp_pos_in_ss == 20))
  )

ggplot(combined, aes(x = snp_pos_in_ss, color = group)) +
  geom_freqpoly(binwidth = 1, linewidth = 1) + # Main frequency lines
  geom_point(
    data = dinucleotide_counts,
    aes(x = snp_pos_in_ss, y = count, color = group),
    size = 4, shape = 19
  ) +
  labs(
    title = "Frequency Plot of SNP Positions with Splice Site Dinucleotides",
    x = "SNP Position in Splice Site",
    y = "Count",
    color = "Group"
  ) +
  theme_minimal()
```

Frequency Plot of SNP Positions with Splice Site Dinucleotides



Unique SSs from UCSC Annotation

```
bed_path = file.path(fd, "ucsc.bed")
ucsc <- import(con = bed_path, format = "BED")
ucsc@seqnames <- gsub("chr", "", ucsc@seqnames)
ucsc <- ucsc[nchar(as.character(ucsc@seqnames)) < 3, ]
ucsc@seqnames <- droplevels(ucsc@seqnames)
ucsc_df <- as.data.frame(ucsc)
ucsc_df <- ucsc_df[!duplicated(ucsc_df[c("seqnames", "start", "end", "strand")]),]

ucsc_df$refseq_id <- sapply(strsplit(ucsc_df$name, "_"), function(x) paste(x[1], x[2], sep = "_"))
ucsc_df$eej_id <- paste0("chr", as.character(ucsc_df$seqnames), ":",
                        as.character(ucsc_df$start - 1), "-",
                        as.character(ucsc_df$end + 1), "_str",
                        ucsc_df$strand)
ucsc_df <- ucsc_df[ucsc_df$eej_id %in% setdiff(ucsc_df$eej_id, ss_df$eej_id),]
rownames(ucsc_df) <- 1:nrow(ucsc_df)
ucsc_df$start <- ucsc_df$start - 1
ucsc_df$end <- ucsc_df$end + 1
ucsc_df
```

```
##      seqnames      start      end width strand
## 1          1 201283904 201293942 10037      +
```


## 2	1	201294045	201313166	19120	+
## 3	1	201313560	201316553	2992	+
## 4	1	201316697	201317572	874	+
## 5	1	201317779	201318618	838	+
## 6	1	201318795	201319816	1020	+
## 7	1	201319878	201320267	388	+
## 8	1	201320381	201321978	1596	+
## 9	1	201322133	201323013	879	+
## 10	1	201323189	201324428	1238	+
## 11	1	201324581	201324941	359	+
## 12	1	201325127	201325754	626	+
## 13	1	201325838	201328762	2923	+
## 14	1	201328868	201330074	1205	+
## 15	1	67093604	67095235	1630	-
## 16	1	67095421	67096252	830	-
## 17	1	67096321	67115352	19030	-
## 18	1	67131227	67134930	3702	-
## 19	1	201318795	201320267	1471	+
## 20	1	67093604	67096252	2647	-
## 21	1	67096321	67103238	6916	-
## 22	1	67103382	67111577	8194	-
## 23	1	67111644	67115352	3707	-
## 24	1	67111644	67113614	1969	-
## 25	1	67113756	67115352	1595	-
## 26	1	8656441	8792404	135962	-
## 27	1	8792588	8817160	24571	-
## 28	1	33516570	33519465	2894	-
## 29	1	33519677	33519812	134	-
## 30	1	33519950	33521463	1512	-
## 31	1	33521550	33523307	1756	-
## 32	1	33523419	33524882	1462	-
## 33	1	33525043	33527196	2152	-
## 34	1	33527258	33533050	5791	-
## 35	1	33533229	33533796	566	-
## 36	1	33533907	33537022	3114	-
## 37	1	33537095	33537436	340	-
## 38	1	33537609	33540525	2915	-
## 39	1	33540698	33541130	431	-
## 40	1	33541309	33542720	1410	-
## 41	1	33542896	33546037	3140	-
## 42	1	33546219	33550177	3957	-
## 43	1	33550350	33557734	7383	-
## 44	1	33557922	33559300	1377	-
## 45	1	33559473	33567593	8119	-
## 46	1	33567841	33569374	1532	-
## 47	1	33569547	33571532	1984	-
## 48	1	33571726	33572506	779	-
## 49	1	33572691	33577296	4604	-
## 50	1	33577484	33580753	3268	-
## 51	1	33580899	33583642	2742	-
## 52	1	33583830	33586504	2673	-
## 53	1	33586617	33587088	470	-
## 54	1	33587168	33600865	13696	-
## 55	1	33601010	33602369	1358	-

## 56	1	33602546	33605282	2735	-
## 57	1	33605470	33611041	5570	-
## 58	1	33611250	33614504	3253	-
## 59	1	33614620	33616906	2285	-
## 60	1	33616975	33617499	523	-
## 61	1	33617617	33622167	4549	-
## 62	1	33622271	33623370	1098	-
## 63	1	33623466	33624519	1052	-
## 64	1	33624643	33625051	407	-
## 65	1	33625254	33626486	1231	-
## 66	1	33626581	33633422	6840	-
## 67	1	33633535	33635214	1678	-
## 68	1	33635330	33636360	1029	-
## 69	1	33636554	33646648	10093	-
## 70	1	33646835	33652323	5487	-
## 71	1	33652461	33657946	5484	-
## 72	1	33658137	33662890	4752	-
## 73	1	33663092	33692930	29837	-
## 74	1	33693056	33698753	5696	-
## 75	1	33698944	33700517	1572	-
## 76	1	33700673	33709089	8415	-
## 77	1	33709258	33714587	5328	-
## 78	1	33714775	33716286	1510	-
## 79	1	33716501	33724197	7695	-
## 80	1	33724313	33724516	202	-
## 81	1	33724704	33725349	644	-
## 82	1	33725536	33726547	1010	-
## 83	1	33726685	33739140	12454	-
## 84	1	33739334	33743280	3945	-
## 85	1	33743606	33772569	28962	-
## 86	1	33772751	33788600	15848	-
## 87	1	33788712	33792423	3710	-
## 88	1	33792526	33810743	18216	-
## 89	1	33810864	33819713	8848	-
## 90	1	33819837	33820469	631	-
## 91	1	33820556	33825697	5140	-
## 92	1	33825774	33846884	21109	-
## 93	1	33846996	33918094	71097	-
## 94	1	33918301	33935760	17458	-
## 95	1	33935954	34032594	96639	-
## 96	1	34032706	34088977	56270	-
## 97	1	34089193	34164911	75717	-
## 98	1	33550350	33567593	17242	-
## 99	1	33567766	33569374	1607	-
## 100	1	33605470	33605863	392	-
## 101	1	33605988	33611041	5052	-
## 102	1	34089193	34165747	76553	-
## 103	1	75339630	75396583	56952	-
## 104	1	75396621	75541435	144813	-
## 105	1	75541516	75611040	69523	-
## 106	1	83952387	83956891	4503	-
## 107	1	83956915	83998931	42015	-
## 108	1	75300685	75311615	10929	-
## 109	1	75311705	75339582	27876	-

## 110	1	83951976	83998931	46954	-
## 111	1	75396621	75398355	1733	-
## 112	1	75398421	75541435	143013	-
## 113	1	92263732	92266419	2686	-
## 114	1	75206719	75211468	4748	-
## 115	1	75339630	75615853	276222	-
## 116	1	192935903	192937301	1397	-
## 117	1	192937420	192948103	10682	-
## 118	1	243256240	243270092	13851	+
## 119	1	209663061	209724030	60968	-
## 120	1	209663061	209742497	79435	-
## 121	1	209686285	209704917	18631	+
## 122	1	209686285	209704895	18609	+
## 123	1	243305123	243307787	2663	+
## 124	1	243305288	243307787	2498	+
## 125	1	7249626	7467830	218203	+
## 126	1	7467901	7640400	172498	+
## 127	1	7640553	7661726	21172	+
## 128	1	7661866	7663353	1486	+
## 129	1	7665199	7670911	5711	+
## 130	1	7671037	7677599	6561	+
## 131	1	7677733	7732448	54714	+
## 132	1	7752533	7755638	3104	+
## 133	1	7755668	7766459	10790	+
## 134	1	2073929	2098347	24417	+
## 135	1	2098555	2135262	36706	+
## 136	1	2156092	2169494	13401	+
## 137	1	1034703	1035277	573	+
## 138	1	1050837	1051242	404	+
## 139	1	2073929	2135262	61332	+
## 140	1	2146305	2148872	2566	+
## 141	1	7747781	7749771	1989	+
## 142	1	7749791	7751199	1407	+
## 143	1	7751392	7752465	1072	+
## 144	1	6349866	6360570	10703	-
## 145	1	6349866	6385494	35627	-
## 146	1	2074275	2135262	60986	+
## 147	1	1051815	1051993	177	+
## 148	1	1052016	1053461	1444	+
## 149	1	1053493	1053753	259	+
## 150	1	2175313	2181832	6518	+
## 151	1	2181914	2184583	2668	+
## 152	1	14599223	14960684	361460	+
## 153	1	14599063	14960719	361655	+
## 154	1	15060297	15063572	3274	+
## 155	1	12580666	12596209	15542	-
## 156	1	11479372	11500990	21617	+
## 157	1	11502088	11502678	589	+
## 158	1	11502897	11514390	11492	+
## 159	1	11514526	11515369	842	+
## 160	1	11515503	11516001	497	+
## 161	1	11516161	11517463	1301	+
## 162	1	11517602	11519355	1752	+
## 163	1	11519503	11519719	215	+

## 164	1	11519880	11520687	806	+
## 165	1	11520848	11523942	3093	+
## 166	1	11524055	11525176	1120	+
## 167	1	11525312	11526651	1338	+
## 168	1	11526835	11529556	2720	+
## 169	1	11529686	11529787	100	+
## 170	1	11529959	11530907	947	+
## 171	1	11531033	11531565	531	+
## 172	1	11531710	11534381	2670	+
## 173	1	11534540	11535011	470	+
## 174	1	11535124	11535478	353	+
## 175	1	11535644	11536324	679	+
## 176	1	15065753	15094180	28426	+
## 177	1	15094385	15094815	429	+
## 178	1	15094933	15101543	6609	+
## 179	1	15101774	15103359	1584	+
## 180	1	15103460	15104023	562	+
## 181	1	15104189	15112427	8237	+
## 182	1	15112541	15114471	1929	+
## 183	1	23059167	23066060	6892	+
## 184	1	23066071	23068539	2467	+
## 185	1	18890105	18890694	588	-
## 186	1	21111383	21167961	56577	-
## 187	1	21050994	21111323	60328	-
## 188	1	20981227	20982388	1160	-
## 189	1	20982408	21002713	20304	-
## 190	1	19920449	19922298	1848	-
## 191	1	19922404	19922617	212	-
## 192	1	19922755	19923520	764	-
## 193	1	39848097	39850123	2025	-
## 194	1	39854066	39857275	3208	-
## 195	1	39847656	39847986	329	-
## 196	1	39850261	39883318	33056	-
## 197	1	39848097	39883318	35220	-
## 198	1	39844640	39883318	38677	-
## 199	1	39841913	39883318	41404	-
## 200	1	37718486	37718661	174	-
## 201	1	37718816	37719414	597	-
## 202	1	37719607	37719909	301	-
## 203	1	37720058	37720351	292	-
## 204	1	37720554	37720783	228	-
## 205	1	37720844	37721660	815	-
## 206	1	37721845	37723041	1195	-
## 207	1	37723166	37723311	144	-
## 208	1	37723372	37727102	3729	-
## 209	1	37727210	37731411	4200	-
## 210	1	37731582	37735257	3674	-
## 211	1	37735390	37752876	17485	-
## 212	1	37753226	37754215	988	-
## 213	1	37754370	37761405	7034	-
## 214	1	37762083	37762785	701	-
## 215	1	37762849	37764961	2111	-
## 216	1	39848091	39850119	2027	-
## 217	1	46133390	46134531	1140	+

## 218	1	46134654	46138867	4212	+
## 219	1	48534293	48534890	596	-
## 220	1	48534916	48539642	4725	-
## 221	1	48539738	48587004	47265	-
## 222	1	48587166	48590833	3666	-
## 223	1	48590985	48634493	43507	-
## 224	1	48634604	48653337	18732	-
## 225	1	48663241	48867191	203949	-
## 226	1	49245864	49697277	451412	-
## 227	1	49697437	49851396	153958	-
## 228	1	49851518	50023763	172244	-
## 229	1	48534293	48539642	5348	-
## 230	1	49245864	49697313	451448	-
## 231	1	48222898	48224724	1825	+
## 232	1	48224795	48228850	4054	+
## 233	1	48228954	48229295	340	+
## 234	1	48229459	48230600	1140	+
## 235	1	48230705	48231545	839	+
## 236	1	48231625	48231946	320	+
## 237	1	48232151	48232367	215	+
## 238	1	48232502	48233655	1152	+
## 239	1	48233762	48235729	1966	+
## 240	1	48235879	48237679	1799	+
## 241	1	48237847	48239322	1474	+
## 242	1	48239537	48242457	2919	+
## 243	1	48242616	48247335	4718	+
## 244	1	48228954	48229103	148	+
## 245	1	48229177	48229295	117	+
## 246	1	46080750	46176228	95477	-
## 247	1	45019316	45020066	749	-
## 248	1	45088237	45205756	117518	-
## 249	1	48663241	48689780	26538	-
## 250	1	48689903	48867191	177287	-
## 251	1	49245864	49851396	605531	-
## 252	1	46080750	46174837	94086	-
## 253	1	56998128	57010680	12551	-
## 254	1	57010790	57011145	354	-
## 255	1	57011272	57014883	3610	-
## 256	1	57015431	57023531	8099	-
## 257	1	57023639	57025981	2341	-
## 258	1	57026043	57062884	36840	-
## 259	1	57062943	57069360	6416	-
## 260	1	57069425	57071023	1597	-
## 261	1	57071061	57071522	460	-
## 262	1	57071641	57072283	641	-
## 263	1	57072414	57136543	64128	-
## 264	1	57136641	57145290	8648	-
## 265	1	57145429	57290964	145534	-
## 266	1	57291166	57649592	358425	-
## 267	1	57649665	57883999	234333	-
## 268	1	57884162	57970790	86627	-
## 269	1	57970865	58250240	279374	-
## 270	1	57026043	57062890	36846	-
## 271	1	57884162	58150511	266348	-

## 272	1	58150588	58343352	192763	-
## 273	1	58343403	58506060	162656	-
## 274	1	58527335	58546703	19367	-
## 275	1	57884162	58250240	366077	-
## 276	1	60661470	60662985	1514	-
## 277	1	60663025	60729575	66549	-
## 278	1	60729667	60732447	2779	-
## 279	1	60732508	60733464	955	-
## 280	1	60733522	60825336	91813	-
## 281	1	65913363	65913397	33	+
## 282	1	65913403	66247460	334056	+
## 283	1	66247654	66257647	9992	+
## 284	1	66257683	66257793	109	+
## 285	1	66257863	66266038	8174	+
## 286	1	66266087	66332508	66420	+
## 287	1	64957017	65066628	109610	-
## 288	1	65066802	65067604	801	-
## 289	1	65793248	65913245	119996	+
## 290	1	65918835	66247460	328624	+
## 291	1	65792630	65913245	120614	+
## 292	1	63774508	64009305	234796	+
## 293	1	64009376	64049691	40314	+
## 294	1	64049978	64050686	707	+
## 295	1	64050716	64137369	86652	+
## 296	1	64137496	64140109	2612	+
## 297	1	64140426	64142405	1978	+
## 298	1	64142650	64158981	16330	+
## 299	1	64159192	64177428	18235	+
## 300	1	65913356	66247460	334103	+
## 301	1	65993142	66247460	254317	+
## 302	1	64886341	65067604	181262	-
## 303	1	64886341	65066628	180286	-
## 304	1	67832436	68034647	202210	+
## 305	1	68034763	68071800	37036	+
## 306	1	68071873	68098643	26769	+
## 307	1	68098836	68099729	892	+
## 308	1	68099792	68100698	905	+
## 309	1	68100774	68117451	16676	+
## 310	1	68117732	68121125	3392	+
## 311	1	68121241	68138297	17055	+
## 312	1	68138450	68201969	63518	+
## 313	1	68159247	68232194	72946	-
## 314	1	74370392	74436080	65687	+
## 315	1	74436132	74436474	341	+
## 316	1	74436526	74439490	2963	+
## 317	1	74439622	74463441	23818	+
## 318	1	74463550	74489189	25638	+
## 319	1	74489248	74492097	2848	+
## 320	1	74492266	74540234	47967	+
## 321	1	74540313	74543906	3592	+
## 322	1	68194221	68232194	37972	-
## 323	1	74463550	74464635	1084	+
## 324	1	74235491	74236102	610	+
## 325	1	81306509	81414171	107661	+

## 326	1	81414351	81445021	30669	+
## 327	1	81445089	81580876	135786	+
## 328	1	81580980	81699747	118766	+
## 329	1	81699808	81761811	62002	+
## 330	1	81761852	81836885	75032	+
## 331	1	81936837	81942034	5196	+
## 332	1	81942045	81942969	923	+
## 333	1	81952142	81952987	844	+
## 334	1	81953025	81955877	2851	+
## 335	1	81985355	81986901	1545	+
## 336	1	81987029	81990391	3361	+
## 337	1	77641655	77682585	40929	-
## 338	1	76074884	76309506	234621	+
## 339	1	76309612	76313805	4192	+
## 340	1	81306509	81445021	138511	+
## 341	1	81580980	81761811	180830	+
## 342	1	81987029	81989657	2627	+
## 343	1	81989709	81990391	681	+
## 344	1	76074884	76412008	337123	+
## 345	1	76412417	76628620	216202	+
## 346	1	81306509	81326717	20207	+
## 347	1	81326775	81445021	118245	+
## 348	1	76412417	76576851	164433	+
## 349	1	76412417	76634128	221710	+
## 350	1	76309612	76313673	4060	+
## 351	1	76412417	76577243	164825	+
## 352	1	76577341	76627452	50110	+
## 353	1	77584829	77631835	47005	-
## 354	1	85987654	86004068	16413	-
## 355	1	86004093	86017151	13057	-
## 356	1	85761566	85781220	19653	-
## 357	1	85961293	85964206	2912	-
## 358	1	85964303	85965009	705	-
## 359	1	85965062	85970223	5160	-
## 360	1	86057975	86059125	1149	-
## 361	1	99517007	99517138	130	-
## 362	1	99517142	99547707	30564	-
## 363	1	99547718	99554010	6291	-
## 364	1	99554016	99712927	158910	-
## 365	1	110109028	110109299	270	+
## 366	1	115283240	115365670	82429	+
## 367	1	116383553	116384014	460	+
## 368	1	120471033	120489811	18777	-
## 369	1	120489916	120491935	2018	-
## 370	1	120497421	120501110	3688	-
## 371	1	120542086	120543017	930	-
## 372	1	120573189	120578706	5516	-
## 373	1	120579194	120620355	41160	-
## 374	1	120505962	120509485	3522	-
## 375	1	120509670	120511666	1995	-
## 376	1	120641759	120643673	1913	-
## 377	1	120643764	120646873	3108	-
## 378	1	149010595	149012591	1995	+
## 379	1	149012776	149016299	3522	+

## 380	1	149029925	149030232	306	+
## 381	1	144641511	144641608	96	+
## 382	1	144641793	144917170	275376	+
## 383	1	144917306	144917865	558	+
## 384	1	146486774	146505331	18556	+
## 385	1	146505412	146506762	1349	+
## 386	1	146506889	146516253	9363	+
## 387	1	146516446	146524728	8281	+
## 388	1	146524849	146525419	569	+
## 389	1	146525448	146526749	1300	+
## 390	1	146526780	146527690	909	+
## 391	1	146527758	146533285	5526	+
## 392	1	146533384	146537098	3713	+
## 393	1	146537420	146547369	9948	+
## 394	1	146547568	146557344	9775	+
## 395	1	146557468	146573833	16364	+
## 396	1	146574034	146581049	7014	+
## 397	1	146581232	146595072	13839	+
## 398	1	146595171	146617029	21857	+
## 399	1	146617147	146622443	5295	+
## 400	1	146622666	146631009	8342	+
## 401	1	146631076	146641461	10384	+
## 402	1	146641696	146643574	1877	+
## 403	1	146643674	146646125	2450	+
## 404	1	146646260	146648632	2371	+
## 405	1	146648796	146650299	1502	+
## 406	1	146650451	146679009	28557	+
## 407	1	146679247	146683066	3818	+
## 408	1	146683339	146690959	7619	+
## 409	1	146691102	146692830	1727	+
## 410	1	146693143	146725131	31987	+
## 411	1	146725271	146728838	3566	+
## 412	1	146728957	146729217	259	+
## 413	1	146729426	146732033	2606	+
## 414	1	146732170	146735795	3624	+
## 415	1	146735972	146738335	2362	+
## 416	1	146738462	146742105	3642	+
## 417	1	146742238	146742704	465	+
## 418	1	146742840	146743074	233	+
## 419	1	146743201	146743354	152	+
## 420	1	146743545	146743882	336	+
## 421	1	146744031	146746610	2578	+
## 422	1	146746849	146752534	5684	+
## 423	1	146752702	146755290	2587	+
## 424	1	146755469	146757608	2138	+
## 425	1	146757781	146761882	4100	+
## 426	1	146762055	146773531	11475	+
## 427	1	146773714	146776595	2880	+
## 428	1	146776736	146779242	2505	+
## 429	1	146779404	146781631	2226	+
## 430	1	146781782	146794083	12300	+
## 431	1	146794694	146806431	11736	+
## 432	1	146806639	146806858	218	+
## 433	1	146807040	146807801	760	+

## 434	1	146807920	146811203	3282	+
## 435	1	146811362	146811470	107	+
## 436	1	146811642	146814358	2715	+
## 437	1	146814556	146819490	4933	+
## 438	1	146819589	146821022	1432	+
## 439	1	148808737	148863250	54512	+
## 440	1	149024684	149027401	2716	+
## 441	1	149030278	149032000	1721	+
## 442	1	148889529	148889784	254	+
## 443	1	149021153	149027401	6247	+
## 444	1	149030278	149031173	894	+
## 445	1	149031224	149031944	719	+
## 446	1	148991973	148992255	281	+
## 447	1	148887401	148889784	2382	+
## 448	1	155187544	155188163	618	-
## 449	1	153992935	153993015	79	-
## 450	1	153993089	153995076	1986	-
## 451	1	153995180	154009972	14791	-
## 452	1	154010121	154012244	2122	-
## 453	1	154012370	154018933	6562	-
## 454	1	154019069	154022126	3056	-
## 455	1	154022343	154023122	778	-
## 456	1	154023297	154025542	2244	-
## 457	1	154025716	154027506	1789	-
## 458	1	154027597	154029896	2298	-
## 459	1	154030054	154046069	16014	-
## 460	1	154046200	154046289	88	-
## 461	1	154046369	154054228	7858	-
## 462	1	154054407	154054770	362	-
## 463	1	154054832	154056815	1982	-
## 464	1	154056947	154058089	1141	-
## 465	1	154058216	154058565	348	-
## 466	1	154058693	154060540	1846	-
## 467	1	154060641	154060942	300	-
## 468	1	154061046	154061586	539	-
## 469	1	154061674	154070273	8598	-
## 470	1	154070465	154089421	18955	-
## 471	1	154089594	154094935	5340	-
## 472	1	154095156	154099998	4841	-
## 473	1	154100143	154104012	3868	-
## 474	1	154104210	154117725	13514	-
## 475	1	154117880	154118671	790	-
## 476	1	154118808	154126323	7514	-
## 477	1	154126463	154127311	847	-
## 478	1	154127417	154129277	1859	-
## 479	1	154129345	154135814	6468	-
## 480	1	154135972	154138106	2133	-
## 481	1	154138238	154139802	1563	-
## 482	1	154139952	154141431	1478	-
## 483	1	154141524	154143446	1921	-
## 484	1	154143577	154152736	9158	-
## 485	1	154152872	154154842	1969	-
## 486	1	155187374	155188163	788	-
## 487	1	155187544	155188008	463	-

## 488	1	155188212	155192183	3970	-
## 489	1	155187576	155188008	431	-
## 490	1	155187374	155187722	347	-
## 491	1	155187858	155188163	304	-
## 492	1	155188063	155192183	4119	-
## 493	1	155188054	155192183	4128	-
## 494	1	155192247	155192786	538	-
## 495	1	155187544	155187722	177	-
## 496	1	155188587	155189271	683	-
## 497	1	155189299	155191908	2608	-
## 498	1	156233728	156242553	8824	+
## 499	1	156225668	156233628	7959	+
## 500	1	155188934	155189240	305	-
## 501	1	155190202	155190380	177	-
## 502	1	155190487	155190489	1	-
## 503	1	155190762	155190972	209	-
## 504	1	155191306	155191668	361	-
## 505	1	153995180	154000856	5675	-
## 506	1	154001060	154001735	674	-
## 507	1	154001985	154009972	7986	-
## 508	1	164821626	164849340	27713	+
## 509	1	162497296	162499955	2658	+
## 510	1	164821626	164884542	62915	+
## 511	1	164560013	164792494	232480	+
## 512	1	162512823	162522404	9580	+
## 513	1	172308839	172323329	14489	+
## 514	1	172323340	172379018	55677	+
## 515	1	172092875	172093696	820	+
## 516	1	172093725	172131175	37449	+
## 517	1	172131288	172132889	1600	+
## 518	1	175067935	175077384	9448	+
## 519	1	175077827	175079333	1505	+
## 520	1	175079707	175080163	455	+
## 521	1	175080426	175083750	3323	+
## 522	1	175083935	175085405	1469	+
## 523	1	175097683	175098332	648	+
## 524	1	172093741	172131175	37433	+
## 525	1	179293936	179323437	29500	+
## 526	1	177171732	177229801	58068	+
## 527	1	177230145	177255919	25773	+
## 528	1	177256109	177257176	1066	+
## 529	1	177257384	177273488	16103	+
## 530	1	177278785	177280412	1626	+
## 531	1	182450178	182453958	3779	+
## 532	1	182454040	182458319	4278	+
## 533	1	182458393	182460004	1610	+
## 534	1	182460133	182471282	11148	+
## 535	1	182471386	182472396	1009	+
## 536	1	182472557	182473575	1017	+
## 537	1	182474542	182488285	13742	+
## 538	1	182488347	182488980	632	+
## 539	1	182489202	182493022	3819	+
## 540	1	182493129	182522004	28874	+
## 541	1	182522109	182527579	5469	+

## 542	1	182527772	182530244	2471	+
## 543	1	182530361	182530790	428	+
## 544	1	182530910	182532662	1751	+
## 545	1	182532791	182540247	7455	+
## 546	1	182540421	182548317	7895	+
## 547	1	182548455	182548700	244	+
## 548	1	182548824	182551100	2275	+
## 549	1	182551209	182553455	2245	+
## 550	1	182553541	182554627	1085	+
## 551	1	182554693	182556024	1330	+
## 552	1	182556222	182560279	4056	+
## 553	1	182460133	182472396	12262	+
## 554	1	179293936	179335506	41569	+
## 555	1	179341310	179342010	699	+
## 556	1	185558675	185563168	4492	-
## 557	1	185563328	185626492	63163	-
## 558	1	185626555	185628407	1851	-
## 559	1	196045539	196060997	15457	-
## 560	1	196061179	196063169	1989	-
## 561	1	196063288	196088503	25214	-
## 562	1	199148737	199161423	12685	+
## 563	1	199161485	199162465	979	+
## 564	1	199162570	199391321	228750	+
## 565	1	207528801	207550735	21933	+
## 566	1	202431619	202437821	6201	+
## 567	1	207511654	207542182	30527	+
## 568	1	204489931	204490068	136	-
## 569	1	204490750	204494356	3605	-
## 570	1	204446002	204446087	84	-
## 571	1	216507183	216519152	11968	-
## 572	1	216519421	216564219	44797	-
## 573	1	216564380	216567988	3607	-
## 574	1	216568098	216650973	82874	-
## 575	1	216651089	216677076	25986	-
## 576	1	216677491	216854947	177455	-
## 577	1	216855125	216865061	9935	-
## 578	1	216865178	216939582	74403	-
## 579	1	216939673	217137667	197993	-
## 580	1	213822433	213832522	10088	-
## 581	1	213832622	213894663	62040	-
## 582	1	213894743	213895394	650	-
## 583	1	213895518	213966071	70552	-
## 584	1	213966284	213986069	19784	-
## 585	1	211829323	211829450	126	-
## 586	1	216677491	216939582	262090	-
## 587	1	216939673	217000253	60579	-
## 588	1	217000724	217076852	76127	-
## 589	1	216677491	216865061	187569	-
## 590	1	216677491	216905565	228073	-
## 591	1	216905683	216939582	33898	-
## 592	1	216939673	217089507	149833	-
## 593	1	210684138	210775348	91209	-
## 594	1	210775544	210797508	21963	-
## 595	1	210797760	210803967	6206	-

## 596	1	210804166	210919640	115473	-
## 597	1	210920069	211018864	98794	-
## 598	1	211019256	211082780	63523	-
## 599	1	211082898	211090562	7663	-
## 600	1	211090690	211103496	12805	-
## 601	1	211103602	211107254	3651	-
## 602	1	211107377	211133867	26489	-
## 603	1	216855125	216939582	84456	-
## 604	1	216939673	217069695	130021	-
## 605	1	217069852	217090431	20578	-
## 606	1	216939673	216959562	19888	-
## 607	1	216959685	217137667	177981	-
## 608	1	217069852	217078136	8283	-
## 609	1	216568098	216865061	296962	-
## 610	1	216939673	217089787	150113	-
## 611	1	216568098	216677076	108977	-
## 612	1	216865178	217000253	135074	-
## 613	1	216651089	216939582	288492	-
## 614	1	211829323	211830045	721	-
## 615	1	210920069	211018783	98713	-
## 616	1	215625870	215628814	2943	-
## 617	1	215629035	215634459	5423	-
## 618	1	215634703	215639155	4451	-
## 619	1	215639238	215640558	1319	-
## 620	1	215640734	215647522	6787	-
## 621	1	215647730	215648528	797	-
## 622	1	215648766	215650592	1825	-
## 623	1	215650801	215670972	20170	-
## 624	1	215671293	215674100	2806	-
## 625	1	215675616	215680149	4532	-
## 626	1	215680376	215728030	47653	-
## 627	1	215728384	215741375	12990	-
## 628	1	215741537	215743177	1639	-
## 629	1	215743335	215758595	15259	-
## 630	1	215758752	215759660	907	-
## 631	1	215759843	215766681	6837	-
## 632	1	215766788	215779843	13054	-
## 633	1	215780041	215782042	2000	-
## 634	1	215782196	215782738	541	-
## 635	1	215782935	215786670	3734	-
## 636	1	215786874	215790059	3184	-
## 637	1	215790282	215798907	8624	-
## 638	1	215799125	215813736	14610	-
## 639	1	215813904	215816997	3092	-
## 640	1	215817195	215837991	20795	-
## 641	1	215838103	215844294	6190	-
## 642	1	215844496	215845824	1327	-
## 643	1	215846033	215867007	20973	-
## 644	1	215867170	215877758	10587	-
## 645	1	215877880	215878764	883	-
## 646	1	215879098	215888426	9327	-
## 647	1	215889054	215900075	11020	-
## 648	1	215900217	215900755	537	-
## 649	1	215900905	215934616	33710	-

## 650	1	215934795	215965317	30521	-
## 651	1	215965479	215970625	5145	-
## 652	1	215970776	215993020	22243	-
## 653	1	215993167	215998887	5719	-
## 654	1	215999058	216000403	1344	-
## 655	1	216000562	216046431	45868	-
## 656	1	216046592	216048534	1941	-
## 657	1	216048647	216070101	21453	-
## 658	1	216070292	216072889	2596	-
## 659	1	216072969	216073097	127	-
## 660	1	216073300	216078089	4788	-
## 661	1	216078362	216083456	5093	-
## 662	1	216083586	216084698	1111	-
## 663	1	216084877	216086719	1841	-
## 664	1	216086820	216089013	2192	-
## 665	1	216089139	216097083	7943	-
## 666	1	216097213	216175252	78038	-
## 667	1	216175482	216190223	14740	-
## 668	1	216190367	216196553	6185	-
## 669	1	216196722	216198315	1592	-
## 670	1	216198584	216199627	1042	-
## 671	1	216200121	216207273	7151	-
## 672	1	216207431	216217387	9955	-
## 673	1	216217550	216231953	14402	-
## 674	1	216232136	216246585	14448	-
## 675	1	216247226	216250903	3676	-
## 676	1	216251098	216289280	38181	-
## 677	1	216289410	216292175	2764	-
## 678	1	216292370	216321883	29512	-
## 679	1	216321976	216323474	1497	-
## 680	1	216323695	216324168	472	-
## 681	1	216324352	216325305	952	-
## 682	1	216325599	216327591	1991	-
## 683	1	216327654	216364953	37298	-
## 684	1	216365085	216418514	53428	-
## 685	1	216418679	216421852	3172	-
## 686	1	216422540	216423214	673	-
## 687	1	223222220	223223249	1028	-
## 688	1	223223631	223227594	3962	-
## 689	1	223227738	223229197	1458	-
## 690	1	223229388	223264630	35241	-
## 691	1	219081943	219086495	4551	-
## 692	1	223235100	223264630	29529	-
## 693	1	231542611	231616644	74032	+
## 694	1	231616906	231617953	1046	+
## 695	1	231618059	231693826	75766	+
## 696	1	231561255	231616644	55388	+
## 697	1	231616906	231693826	76919	+
## 698	1	231795296	231818329	23032	+
## 699	1	231561255	231693826	132570	+
## 700	1	231529359	231561128	31768	+
## 701	1	231771070	231800108	29037	+
## 702	1	231771070	231958828	187757	+
## 703	1	231818517	232008785	190267	+

## 704	1	231818517	231854739	36221	+
## 705	1	231626934	231749926	122991	+
## 706	1	231771070	231818329	47258	+
## 707	1	229626356	229627590	1233	+
## 708	1	231750076	231795242	45165	+
## 709	1	231702024	231745404	43379	+
## 710	1	231745499	231749926	4426	+
## 711	1	240776213	240802904	26690	-
## 712	1	240802993	240806140	3146	-
## 713	1	240806326	240811918	5591	-
## 714	1	240812043	240813618	1574	-
## 715	1	240813728	240814716	987	-
## 716	1	240814777	240816317	1539	-
## 717	1	240816415	240827098	10682	-
## 718	1	240827172	240868587	41414	-
## 719	1	240868668	240868776	107	-
## 720	1	240868852	240870055	1202	-
## 721	1	240870119	240983079	112959	-
## 722	1	240983129	241098666	115536	-
## 723	1	241098762	241355699	256936	-
## 724	1	241355826	241356899	1072	-
## 725	1	240868668	240868766	97	-
## 726	1	240870119	240930717	60597	-
## 727	1	240930768	240936600	5831	-
## 728	1	240936706	240983079	46372	-
## 729	1	240093724	240123179	29454	+
## 730	1	240123345	240177921	54575	+
## 731	1	240178068	240180169	2100	+
## 732	1	240180180	240188207	8026	+
## 733	1	240188262	240206799	18536	+
## 734	1	240208732	240211091	2358	+
## 735	1	240211235	240257945	46709	+
## 736	1	240258032	240294822	36789	+
## 737	1	240294883	240329076	34192	+
## 738	1	240329167	240329339	171	+
## 739	1	240329468	240330603	1134	+
## 740	1	240330749	240333887	3137	+
## 741	1	240333946	240334109	162	+
## 742	1	240334229	240355816	21586	+
## 743	1	240355908	240392511	36602	+
## 744	1	240392562	240438061	45498	+
## 745	1	240438210	240472372	34161	+
## 746	1	240472453	240474128	1674	+
## 747	1	240776213	240800641	24427	-
## 748	1	240800721	240802904	2182	-
## 749	1	241098762	241101833	3070	-
## 750	1	241101978	241355699	253720	-
## 751	1	240936706	241098666	161959	-
## 752	1	241098762	241354577	255814	-
## 753	1	241354680	241355699	1018	-
## 754	1	242090110	242100668	10557	-
## 755	1	242100782	242107671	6888	-
## 756	1	242107839	242113890	6050	-
## 757	1	242114026	242124468	10441	-

## 758	1	242124665	242219988	95322	-
## 759	1	242220115	242265337	45221	-
## 760	1	242265448	242348099	82650	-
## 761	1	242348242	242449354	101111	-
## 762	1	242265448	242288362	22913	-
## 763	1	242288530	242348106	59575	-
## 764	1	240800721	240801455	733	-
## 765	1	240801508	240802904	1395	-
## 766	1	240816415	240868587	52171	-
## 767	1	240812043	240814716	2672	-
## 768	1	240178068	240188207	10138	+
## 769	1	240188262	240257945	69682	+
## 770	1	240334229	240392511	58281	+
## 771	1	241098762	241315564	216801	-
## 772	1	241315635	241355699	40063	-
## 773	1	242348242	242524088	175845	-
## 774	1	240827172	240930717	103544	-
## 775	1	242288530	242348099	59568	-
## 776	1	242524403	242524597	193	-
## 777	1	240776213	240801455	25241	-
## 778	1	917720	918022	301	-
## 779	1	918175	918825	649	-
## 780	1	918915	919335	419	-
## 781	1	918115	918825	709	-
## 782	1	1310688	1310840	151	+
## 783	1	1435821	1437322	1500	+
## 784	1	1924520	1925783	1262	-
## 785	1	1925938	1926228	289	-
## 786	1	1926347	1926457	109	-
## 787	1	1926512	1926652	139	-
## 788	1	1926761	1926894	132	-
## 789	1	1927028	1927607	578	-
## 790	1	1927746	1928784	1037	-
## 791	1	1928882	1930060	1177	-
## 792	1	1930336	1938855	8518	-
## 793	1	1938988	1939594	605	-
## 794	1	1939767	1940316	548	-
## 795	1	1940403	1942028	1624	-
## 796	1	1942156	1944331	2174	-
## 797	1	1944452	1946317	1864	-
## 798	1	1946439	1946990	550	-
## 799	1	1947054	1955691	8636	-
## 800	1	1955850	1956620	769	-
## 801	1	1956784	1959120	2335	-
## 802	1	1959209	1959964	754	-
## 803	1	1960030	1963749	3718	-
## 804	1	1963867	1964888	1020	-
## 805	1	1965061	1966371	1309	-
## 806	1	1966526	1968635	2108	-
## 807	1	1968833	1970659	1825	-
## 808	1	1970816	1971980	1163	-
## 809	1	1972082	1972937	854	-
## 810	1	1973047	1974025	977	-
## 811	1	1974198	1985386	11187	-

## 812	1	1985490	1986937	1446	-
## 813	1	1987035	1988512	1476	-
## 814	1	1988655	1988889	233	-
## 815	1	1988973	1990890	1916	-
## 816	1	1990975	2003701	12725	-
## 817	1	1173926	1174285	358	+
## 818	1	1174321	1174424	102	+
## 819	1	1174489	1179189	4699	+
## 820	1	1179333	1179657	323	+
## 821	1	1179737	1180034	296	+
## 822	1	1180340	1180483	142	+
## 823	1	1180601	1180731	129	+
## 824	1	1180860	1181741	880	+
## 825	1	1181815	1182361	545	+
## 826	1	1173926	1174266	339	+
## 827	1	2467662	2478476	10813	+
## 828	1	2479977	2480183	205	+
## 829	1	2502910	2503617	706	+
## 830	1	2476712	2478476	1763	+
## 831	1	2502409	2503922	1512	+
## 832	1	2592720	2592833	112	-
## 833	1	2592966	2593814	847	-
## 834	1	2593933	2594385	451	-
## 835	1	2594443	2594790	346	-
## 836	1	2594893	2595276	382	-
## 837	1	2595359	2596009	649	-
## 838	1	2596107	2596561	453	-
## 839	1	2596689	2598207	1517	-
## 840	1	2598300	2598654	353	-
## 841	1	2598790	2603884	5093	-
## 842	1	2603973	2604147	173	-
## 843	1	2604281	2605558	1276	-
## 844	1	2605623	2606248	624	-
## 845	1	2606366	2606974	607	-
## 846	1	2607069	2609339	2269	-
## 847	1	2609419	2609670	250	-
## 848	1	2609831	2611281	1449	-
## 849	1	2611340	2612127	786	-
## 850	1	2612204	2629331	17126	-
## 851	1	2629521	2632866	3344	-
## 852	1	2477704	2478476	771	+
## 853	1	2502409	2503945	1535	+
## 854	1	2641895	2644264	2368	-
## 855	1	2644478	2645293	814	-
## 856	1	2645563	2783609	138045	-
## 857	1	2783775	2785819	2043	-
## 858	1	2786023	2787481	1457	-
## 859	1	2787706	2789503	1796	-
## 860	1	2790346	2800044	9697	-
## 861	1	3652641	3682333	29691	+
## 862	1	3729448	3731463	2014	+
## 863	1	3729448	3730927	1478	+
## 864	1	3729448	3732747	3298	+
## 865	1	4774558	4777401	2842	+

## 866	1	6154898	6155599	700	-
## 867	1	6155717	6159336	3618	-
## 868	1	6159515	6168150	8634	-
## 869	1	6168277	6179945	11667	-
## 870	1	5905783	5927649	21865	-
## 871	1	5969259	5992244	22984	-
## 872	1	5875100	5875954	853	-
## 873	1	5876078	5876386	307	-
## 874	1	5876523	5877093	569	-
## 875	1	5877298	5879346	2047	-
## 876	1	5879632	5880114	481	-
## 877	1	6807088	6825092	18003	+
## 878	1	7669855	7670911	1055	+
## 879	1	7680215	7732448	52232	+
## 880	1	9151835	9182007	30171	-
## 881	1	9069594	9072049	2454	-
## 882	1	9041937	9069504	27566	-
## 883	1	10272306	10273014	707	+
## 884	1	10273031	10275428	2396	+
## 885	1	10278128	10279097	968	+
## 886	1	10279138	10282322	3183	+
## 887	1	10211738	10232250	20511	+
## 888	1	9981170	9981256	85	+
## 889	1	9943025	9972018	28992	+
## 890	1	10693912	10705492	11579	-
## 891	1	10705544	10760701	55156	-
## 892	1	10760857	10796564	35706	-
## 893	1	12338305	12341780	3474	+
## 894	1	13369640	13370649	1008	-
## 895	1	13371227	13371614	386	-
## 896	1	13476099	13512963	36863	-
## 897	1	14349378	14350869	1490	-
## 898	1	14351025	14390686	39660	-
## 899	1	14390751	14391459	707	-
## 900	1	14391578	14419494	27915	-
## 901	1	13705645	13715541	9895	+
## 902	1	15272529	15289399	16869	+
## 903	1	15289666	15296684	7017	+
## 904	1	15296793	15301205	4411	+
## 905	1	15301441	15308613	7171	+
## 906	1	15308736	15313057	4320	+
## 907	1	15313187	15316378	3190	+
## 908	1	15316467	15317824	1356	+
## 909	1	15317928	15324452	6523	+
## 910	1	15324559	15327059	2499	+
## 911	1	15327142	15328277	1134	+
## 912	1	15328429	15329346	916	+
## 913	1	15329541	15341736	12194	+
## 914	1	15341893	15345083	3189	+
## 915	1	15345523	15349042	3518	+
## 916	1	15349149	15352877	3727	+
## 917	1	15352984	15358110	5125	+
## 918	1	15358283	15360478	2194	+
## 919	1	15360703	15362642	1938	+

## 920	1	15362726	15365827	3100	+
## 921	1	15365933	15367463	1529	+
## 922	1	15367622	15369370	1747	+
## 923	1	15369502	15374502	4999	+
## 924	1	15374631	15375603	971	+
## 925	1	15375730	15380701	4970	+
## 926	1	15380796	15381231	434	+
## 927	1	15381451	15382028	576	+
## 928	1	15382193	15397297	15103	+
## 929	1	14930044	14960684	30639	+
## 930	1	15152784	15214895	62110	+
## 931	1	14929755	14929874	118	+
## 932	1	14924750	14960684	35933	+
## 933	1	15456793	15457086	292	+
## 934	1	15457174	15461561	4386	+
## 935	1	15461658	15462733	1074	+
## 936	1	15466144	15467386	1241	+
## 937	1	15467538	15471990	4451	+
## 938	1	15329683	15343776	14092	-
## 939	1	15329680	15343776	14095	-
## 940	1	15215243	15219326	4082	+
## 941	1	16647314	16647463	148	+
## 942	1	16649041	16649174	132	+
## 943	1	16649251	16649379	127	+
## 944	1	17632466	17634548	2081	+
## 945	1	17623175	17627330	4154	+
## 946	1	17607977	17613058	5080	+
## 947	1	17613174	17616094	2919	+
## 948	1	17603591	17607799	4207	+
## 949	1	18108198	18227898	119699	+
## 950	1	18228010	18291866	63855	+
## 951	1	18291987	18334892	42904	+
## 952	1	18362230	18365223	2992	+
## 953	1	18631688	18634303	2614	+
## 954	1	18634538	18635111	572	+
## 955	1	18635240	18636237	996	+
## 956	1	18636371	18691754	55382	+
## 957	1	18691953	18700653	8699	+
## 958	1	18700818	18703094	2275	+
## 959	1	18703296	18735632	32335	+
## 960	1	18735878	18744814	8935	+
## 961	1	19268701	19269272	570	-
## 962	1	19270935	19273861	2925	-
## 963	1	19419750	19448834	29083	-
## 964	1	19787117	19793432	6314	-
## 965	1	19793648	19799174	5525	-
## 966	1	19268701	19270451	1749	-
## 967	1	19339617	19342752	3134	-
## 968	1	20291088	20310576	19487	+
## 969	1	20310740	20312836	2095	+
## 970	1	20312988	20314378	1389	+
## 971	1	20314592	20317530	2937	+
## 972	1	20317675	20318590	914	+
## 973	1	20318721	20319382	660	+

## 974	1	20319506	20323356	3849	+
## 975	1	20323532	20327890	4357	+
## 976	1	20328000	20330180	2179	+
## 977	1	20330382	20330869	486	+
## 978	1	20330983	20332766	1782	+
## 979	1	20332951	20336303	3351	+
## 980	1	20336486	20337646	1159	+
## 981	1	20337836	20342432	4595	+
## 982	1	20342609	20343079	469	+
## 983	1	20343393	20345456	2062	+
## 984	1	20345593	20348245	2651	+
## 985	1	20348358	20350156	1797	+
## 986	1	20350230	20350857	626	+
## 987	1	20350926	20352055	1128	+
## 988	1	20352172	20353757	1584	+
## 989	1	20164157	20172794	8636	-
## 990	1	20172891	20175007	2115	-
## 991	1	20175145	20177324	2178	-
## 992	1	20177439	20186360	8920	-
## 993	1	20686126	20687388	1261	-
## 994	1	20687944	20690188	2243	-
## 995	1	20690335	20698379	8043	-
## 996	1	20698488	20704447	5958	-
## 997	1	20704899	20709639	4739	-
## 998	1	20709828	20713454	3625	-
## 999	1	20713555	20715493	1937	-
## 1000	1	20715639	20717349	1709	-
## 1001	1	20715639	20717476	1836	-
## 1002	1	20172897	20175007	2109	-
## 1003	1	20312988	20314322	1333	+
## 1004	1	21602913	21603658	744	-
## 1005	1	21603912	21606066	2153	-
## 1006	1	21665317	21669254	3936	-
## 1007	1	21602913	21603835	921	-
## 1008	1	21649796	21669254	19457	-
## 1009	1	21649796	21651779	1982	-
## 1010	1	21665317	21667598	2280	-
## 1011	1	21667823	21668511	687	-
## 1012	1	21598040	21598400	359	-
## 1013	1	22895580	22896411	830	+
## 1014	1	22913564	22913658	93	+
## 1015	1	22893046	22905987	12940	+
## 1016	1	23429930	23431035	1104	-
## 1017	1	23437044	23437130	85	-
## 1018	1	23442635	23452697	10061	-
## 1019	1	23456194	23484005	27810	-
## 1020	1	23318697	23321528	2830	-
## 1021	1	23195001	23217291	22289	-
## 1022	1	24391679	24391924	244	-
## 1023	1	24392067	24401319	9251	-
## 1024	1	24502463	24531218	28754	+
## 1025	1	24503150	24531218	28067	+
## 1026	1	24964668	24964836	167	-
## 1027	1	24507728	24514314	6585	+

## 1028	1	24401456	24414911	13454	-
## 1029	1	25303459	25328898	25438	+
## 1030	1	25247029	25337978	90948	-
## 1031	1	25317079	25328898	11818	+
## 1032	1	25306729	25307647	917	+
## 1033	1	25307816	25317000	9183	+
## 1034	1	25307816	25328898	21081	+
## 1035	1	25306729	25328898	22168	+
## 1036	1	25303459	25317000	13540	+
## 1037	1	25290791	25300950	10158	+
## 1038	1	25782700	25783844	1143	+
## 1039	1	25686536	25740070	53533	+
## 1040	1	25740171	25746668	6496	+
## 1041	1	25758781	25763874	5092	+
## 1042	1	25686536	25771657	85120	+
## 1043	1	26331618	26336095	4476	-
## 1044	1	26336370	26336606	235	-
## 1045	1	26336732	26336841	108	-
## 1046	1	26336980	26337253	272	-
## 1047	1	26337379	26337538	158	-
## 1048	1	26337674	26338012	337	-
## 1049	1	26338047	26338351	303	-
## 1050	1	26338477	26339290	812	-
## 1051	1	26339429	26342754	3324	-
## 1052	1	26342883	26343047	163	-
## 1053	1	26343159	26343246	86	-
## 1054	1	26343293	26343745	451	-
## 1055	1	26346712	26354036	7323	-
## 1056	1	26773898	26774980	1081	+
## 1057	1	27109777	27153983	44205	-
## 1058	1	28151059	28193722	42662	-
## 1059	1	28176673	28193722	17048	-
## 1060	1	28987905	28989356	1450	+
## 1061	1	28989435	28993330	3894	+
## 1062	1	29201518	29201943	424	-
## 1063	1	29058645	29058811	165	+
## 1064	1	29058852	29060422	1569	+
## 1065	1	29216685	29230739	14053	-
## 1066	1	28812610	28858954	46343	+
## 1067	1	28859303	28862742	3438	+
## 1068	1	29220942	29230731	9788	-
## 1069	1	29193574	29193852	277	-
## 1070	1	29196258	29200410	4151	-
## 1071	1	29216685	29223140	6454	-
## 1072	1	29220921	29221075	153	-
## 1073	1	29221200	29223140	1939	-
## 1074	1	29216685	29220834	4148	-
## 1075	1	29068783	29069166	382	+
## 1076	1	29068768	29069166	397	+
## 1077	1	29068783	29070364	1580	+
## 1078	1	29068768	29097807	29038	+
## 1079	1	30014509	30015244	734	-
## 1080	1	30015295	30016720	1424	-
## 1081	1	30016921	30025025	8103	-

## 1082	1	30025183	30029290	4106	-
## 1083	1	30029490	30036772	7281	-
## 1084	1	30037003	30037498	494	-
## 1085	1	31297075	31319109	22033	+
## 1086	1	31346818	31348829	2010	+
## 1087	1	31297213	31319109	21895	+
## 1088	1	31181712	31181860	147	-
## 1089	1	31184014	31185247	1232	-
## 1090	1	31185327	31188050	2722	-
## 1091	1	31188187	31239494	51306	-
## 1092	1	32369338	32376262	6923	-
## 1093	1	32381268	32394080	12811	-
## 1094	1	32621948	32633645	11696	-
## 1095	1	32627544	32632208	4663	-
## 1096	1	32632321	32633645	1323	-
## 1097	1	32627865	32631827	3961	-
## 1098	1	32895644	32898126	2481	-
## 1099	1	32765827	32767787	1959	+
## 1100	1	32768775	32772865	4089	+
## 1101	1	32634110	32650785	16674	-
## 1102	1	32895644	32895910	265	-
## 1103	1	32634072	32650402	16329	-
## 1104	1	32627865	32633645	5779	-
## 1105	1	33165566	33176408	10841	-
## 1106	1	32894933	32895305	371	-
## 1107	1	32634792	32650785	15992	-
## 1108	1	32895743	32898126	2382	-
## 1109	1	33014594	33021391	6796	-
## 1110	1	33368688	33370421	1732	-
## 1111	1	33430237	33430976	738	-
## 1112	1	33367422	33368536	1113	-
## 1113	1	33355170	33372289	17118	-
## 1114	1	33354566	33354841	274	-
## 1115	1	34167171	34197225	30053	+
## 1116	1	34197913	34200772	2858	+
## 1117	1	34201032	34202084	1051	+
## 1118	1	34202259	34208157	5897	+
## 1119	1	34208234	34212210	3975	+
## 1120	1	34212406	34218686	6279	+
## 1121	1	34178109	34197225	19115	+
## 1122	1	35269094	35325360	56265	+
## 1123	1	36438910	36444004	5093	-
## 1124	1	36444033	36450258	6224	-
## 1125	1	35869903	35888427	18523	+
## 1126	1	35972232	36004341	32108	+
## 1127	1	37629949	37631844	1894	-
## 1128	1	37632022	37632287	264	-
## 1129	1	37632353	37634566	2212	-
## 1130	1	37612921	37614184	1262	-
## 1131	1	37616675	37629889	13213	-
## 1132	1	36802045	36804987	2941	-
## 1133	1	36805237	36806104	866	-
## 1134	1	36806326	36817060	10733	-
## 1135	1	36817277	36819736	2458	-

## 1136	1	36819854	36825603	5748	-
## 1137	1	36825826	36841736	15909	-
## 1138	1	36841939	36850311	8371	-
## 1139	1	36850424	36853615	3190	-
## 1140	1	36853722	36859108	5385	-
## 1141	1	36859251	36859844	592	-
## 1142	1	36860017	36869748	9730	-
## 1143	1	36869801	36872188	2386	-
## 1144	1	36872369	36880634	8264	-
## 1145	1	36880891	36890920	10028	-
## 1146	1	36891096	37033994	142897	-
## 1147	1	37878570	37880085	1514	-
## 1148	1	37942261	37943640	1378	-
## 1149	1	37945850	37946252	401	-
## 1150	1	37943669	37945756	2086	-
## 1151	1	37942264	37943640	1375	-
## 1152	1	37946334	37946774	439	-
## 1153	1	37889720	37891358	1637	-
## 1154	1	37882918	37883661	742	-
## 1155	1	37883732	37885638	1905	-
## 1156	1	39435761	39436475	713	+
## 1157	1	39436481	39437775	1293	+
## 1158	1	38886683	38887963	1279	-
## 1159	1	38888024	38893164	5139	-
## 1160	1	38893224	38895969	2744	-
## 1161	1	38896069	38911322	15252	-
## 1162	1	38911434	38915562	4127	-
## 1163	1	38915710	38918967	3256	-
## 1164	1	38919337	38929395	10057	-
## 1165	1	38919337	38941682	22344	-
## 1166	1	40692200	40695606	3405	+
## 1167	1	40695745	40712398	16652	+
## 1168	1	40712469	40721606	9136	+
## 1169	1	40721704	40723208	1503	+
## 1170	1	40758294	40762990	4695	+
## 1171	1	41018401	41028533	10131	+
## 1172	1	41028712	41038046	9333	+
## 1173	1	41038077	41043115	5037	+
## 1174	1	41075451	41142878	67426	-
## 1175	1	41628947	41918413	289465	-
## 1176	1	42857708	42870085	12376	+
## 1177	1	42870161	42880354	10192	+
## 1178	1	42880433	42886672	6238	+
## 1179	1	42457350	42480461	23110	+
## 1180	1	42534989	42566296	31306	+
## 1181	1	42473303	42480461	7157	+
## 1182	1	42545579	42556156	10576	+
## 1183	1	42556405	42558139	1733	+
## 1184	1	42558276	42566296	8019	+
## 1185	1	42533951	42534889	937	+
## 1186	1	42536601	42539173	2571	+
## 1187	1	42539310	42545410	6099	+
## 1188	1	42556405	42566296	9890	+
## 1189	1	42311110	42315346	4235	-

## 1190	1	42315455	42323684	8228	-
## 1191	1	42323827	42334925	11097	-
## 1192	1	42463890	42480461	16570	+
## 1193	1	42311110	42335626	24515	-
## 1194	1	43894477	43930132	35654	+
## 1195	1	43920928	43921443	514	+
## 1196	1	43921638	43930132	8493	+
## 1197	1	43387629	43388310	680	-
## 1198	1	43388489	43389759	1269	-
## 1199	1	43899727	43930132	30404	+
## 1200	1	43172453	43172732	278	+
## 1201	1	43172910	43181534	8623	+
## 1202	1	43181850	43183591	1740	+
## 1203	1	43183877	43185149	1271	+
## 1204	1	43185356	43186707	1350	+
## 1205	1	43186859	43197553	10693	+
## 1206	1	43197692	43198481	788	+
## 1207	1	43198646	43199390	743	+
## 1208	1	43199503	43206720	7216	+
## 1209	1	43206932	43209743	2810	+
## 1210	1	43209916	43215255	5338	+
## 1211	1	43215416	43219382	3965	+
## 1212	1	43219537	43221372	1834	+
## 1213	1	43221465	43222105	639	+
## 1214	1	43222295	43222824	528	+
## 1215	1	43222997	43224046	1048	+
## 1216	1	43224204	43226983	2778	+
## 1217	1	43227126	43232066	4939	+
## 1218	1	43232164	43232508	343	+
## 1219	1	43232624	43234279	1654	+
## 1220	1	43234413	43234495	81	+
## 1221	1	43234638	43243227	8588	+
## 1222	1	43243359	43253977	10617	+
## 1223	1	43894477	43920404	25926	+
## 1224	1	43899263	43930132	30868	+
## 1225	1	43736380	43894383	158002	+
## 1226	1	43814933	43894383	79449	+
## 1227	1	43899727	43920494	20766	+
## 1228	1	43736380	43838219	101838	+
## 1229	1	43838311	43930132	91820	+
## 1230	1	43736425	43814891	78465	+
## 1231	1	43899289	43930132	30842	+
## 1232	1	43172453	43172735	281	+
## 1233	1	43227126	43232508	5381	+
## 1234	1	44831043	44831706	662	-
## 1235	1	44842039	44842861	821	-
## 1236	1	44820704	44822602	1897	-
## 1237	1	44704173	44724122	19948	+
## 1238	1	45421846	45490852	69005	-
## 1239	1	45694515	45700070	5554	-
## 1240	1	46000979	46002805	1825	+
## 1241	1	45865139	45882364	17224	+
## 1242	1	45882395	45932223	49827	+
## 1243	1	45932273	45959386	27112	+

## 1244	1	45591270	45606482	15211	+
## 1245	1	46665364	46665647	282	-
## 1246	1	46247746	46248344	597	+
## 1247	1	46658737	46663833	5095	-
## 1248	1	48101950	48127908	25957	-
## 1249	1	48128021	48128460	438	-
## 1250	1	48128573	48159549	30975	-
## 1251	1	48159656	48161799	2142	-
## 1252	1	48161909	48164631	2721	-
## 1253	1	48164912	48166473	1560	-
## 1254	1	48166820	48179155	12334	-
## 1255	1	48179235	48181711	2475	-
## 1256	1	48181768	48182370	601	-
## 1257	1	47766106	47775170	9063	-
## 1258	1	47775439	47778454	3014	-
## 1259	1	47778544	47794586	16041	-
## 1260	1	47794760	47801473	6712	-
## 1261	1	47801619	47994034	192414	-
## 1262	1	47994597	47996688	2090	-
## 1263	1	48411588	48451552	39963	-
## 1264	1	48761470	48775965	14494	-
## 1265	1	48761470	48773060	11589	-
## 1266	1	48773136	48775965	2828	-
## 1267	1	50109198	50141772	32573	+
## 1268	1	49374344	49423063	48718	-
## 1269	1	49423134	49469799	46664	-
## 1270	1	49470006	49471996	1989	-
## 1271	1	50106393	50144957	38563	+
## 1272	1	50109198	50144957	35758	+
## 1273	1	50197467	50200809	3341	+
## 1274	1	50109964	50141772	31807	+
## 1275	1	50104000	50144957	40956	+
## 1276	1	51102249	51112464	10214	+
## 1277	1	51112569	51118666	6096	+
## 1278	1	51118801	51145724	26922	+
## 1279	1	51145760	51147467	1706	+
## 1280	1	51730124	51746710	16585	+
## 1281	1	51750195	51752503	2307	+
## 1282	1	51752725	51760690	7964	+
## 1283	1	51714079	51740143	26063	+
## 1284	1	51740211	51745536	5324	+
## 1285	1	51617221	51669434	52212	+
## 1286	1	52034051	52041537	7485	-
## 1287	1	52033928	52041537	7608	-
## 1288	1	51756358	51756781	422	+
## 1289	1	51756815	51760690	3874	+
## 1290	1	53218495	53220570	2074	-
## 1291	1	53062308	53063370	1061	+
## 1292	1	53063559	53066812	3252	+
## 1293	1	53066867	53069801	2933	+
## 1294	1	53070167	53071535	1367	+
## 1295	1	53075971	53077190	1218	+
## 1296	1	53077346	53077685	338	+
## 1297	1	53077800	53078365	564	+

## 1298	1	53079022	53080728	1705	+
## 1299	1	53080876	53081981	1104	+
## 1300	1	53062308	53066812	4503	+
## 1301	1	52988136	52993258	5121	+
## 1302	1	52927465	52948009	20543	+
## 1303	1	52941853	52950755	8901	+
## 1304	1	53062308	53069801	7492	+
## 1305	1	54133294	54136630	3335	-
## 1306	1	54136808	54139753	2944	-
## 1307	1	54140106	54141098	991	-
## 1308	1	54141433	54144466	3032	-
## 1309	1	54144813	54152844	8030	-
## 1310	1	54153006	54153096	89	-
## 1311	1	53506776	53509120	2343	-
## 1312	1	53509287	53509849	561	-
## 1313	1	53510027	53514625	4597	-
## 1314	1	53514781	53520634	5852	-
## 1315	1	53520766	53524777	4010	-
## 1316	1	53524887	53529791	4903	-
## 1317	1	53529952	53594108	64155	-
## 1318	1	53594990	53600101	5110	-
## 1319	1	53600278	53737806	137527	-
## 1320	1	53738106	53739105	998	-
## 1321	1	54251860	54258069	6208	-
## 1322	1	54258149	54281438	23288	-
## 1323	1	53600278	53733904	133625	-
## 1324	1	54641962	54651949	9986	+
## 1325	1	54641968	54651949	9980	+
## 1326	1	54641968	54651844	9875	+
## 1327	1	54654157	54659115	4957	+
## 1328	1	54659189	54665167	5977	+
## 1329	1	54702236	54706435	4198	+
## 1330	1	54731549	54731655	105	+
## 1331	1	54641968	54665167	23198	+
## 1332	1	54668937	54670499	1561	+
## 1333	1	55154280	55154371	90	-
## 1334	1	54785644	54785983	338	-
## 1335	1	55040403	55052278	11874	+
## 1336	1	55052411	55052650	238	+
## 1337	1	55052791	55055993	3201	+
## 1338	1	55056189	55057331	1141	+
## 1339	1	55057514	55058036	521	+
## 1340	1	55058157	55058499	341	+
## 1341	1	55058647	55059486	838	+
## 1342	1	55059663	55061375	1711	+
## 1343	1	55061556	55063369	1812	+
## 1344	1	55040044	55043843	3798	+
## 1345	1	55044034	55046523	2488	+
## 1346	1	55046646	55052278	5631	+
## 1347	1	55058209	55058499	289	+
## 1348	1	57291166	57423930	132763	-
## 1349	1	57291166	57424619	133452	-
## 1350	1	57291166	57424194	133027	-
## 1351	1	57291166	57423017	131850	-

## 1352	1	56854978	56867609	12630	+
## 1353	1	56867702	56874949	7246	+
## 1354	1	56875093	56876062	968	+
## 1355	1	56876209	56881445	5235	+
## 1356	1	56881634	56883481	1846	+
## 1357	1	56883681	56885927	2245	+
## 1358	1	56886167	56906667	20499	+
## 1359	1	56906792	56907956	1163	+
## 1360	1	56908113	56912403	4289	+
## 1361	1	56912625	56917565	4939	+
## 1362	1	56719692	56720022	329	-
## 1363	1	56720055	56720173	117	-
## 1364	1	56720329	56723588	3258	-
## 1365	1	56723681	56726497	2815	-
## 1366	1	56726583	56737087	10503	-
## 1367	1	56737147	56738625	1477	-
## 1368	1	56738653	56740697	2043	-
## 1369	1	56740795	56742161	1365	-
## 1370	1	56742221	56744026	1804	-
## 1371	1	56744066	56744152	85	-
## 1372	1	56744266	56751044	6777	-
## 1373	1	56751203	56753839	2635	-
## 1374	1	56753935	56755896	1960	-
## 1375	1	56755927	56758716	2788	-
## 1376	1	56758750	56767829	9078	-
## 1377	1	56767938	56787175	19236	-
## 1378	1	56787208	56788973	1764	-
## 1379	1	56789134	56792056	2921	-
## 1380	1	56792803	56819282	26478	-
## 1381	1	59310176	59321536	11359	+
## 1382	1	59321750	59325749	3998	+
## 1383	1	59325849	59326772	922	+
## 1384	1	59326837	59339958	13120	+
## 1385	1	58785305	58893545	108239	+
## 1386	1	58893717	58896257	2539	+
## 1387	1	58896385	58899047	2661	+
## 1388	1	58893717	58899047	5329	+
## 1389	1	58785305	58899047	113741	+
## 1390	1	59638375	59641280	2904	+
## 1391	1	59641351	59660219	18867	+
## 1392	1	59310180	59321536	11355	+
## 1393	1	59321750	59378749	56998	+
## 1394	1	59321750	59346247	24496	+
## 1395	1	59515795	59554124	38328	+
## 1396	1	59340069	59378749	38679	+
## 1397	1	59297150	59315720	18569	+
## 1398	1	59315736	59321536	5799	+
## 1399	1	59674133	59697648	23514	+
## 1400	1	59697740	59698685	944	+
## 1401	1	59296907	59339958	43050	+
## 1402	1	60517038	60528919	11880	-
## 1403	1	60529249	60540249	10999	-
## 1404	1	60540433	60542297	1863	-
## 1405	1	60542411	60588037	45625	-

## 1406	1	60588162	60595538	7375	-
## 1407	1	60596373	60600127	3753	-
## 1408	1	60600250	60622497	22246	-
## 1409	1	59901103	59904366	3262	-
## 1410	1	59904516	59904871	354	-
## 1411	1	59990833	59997609	6775	-
## 1412	1	59997816	60001077	3260	-
## 1413	1	60001156	60010392	9235	-
## 1414	1	60010456	60025401	14944	-
## 1415	1	60025498	60033476	7977	-
## 1416	1	60033641	60037992	4350	-
## 1417	1	60038107	60039917	1809	-
## 1418	1	60040180	60040991	810	-
## 1419	1	60041131	60055204	14072	-
## 1420	1	60055438	60072537	17098	-
## 1421	1	60072670	60073690	1019	-
## 1422	1	59901103	59907786	6682	-
## 1423	1	60940631	60941180	548	-
## 1424	1	60941252	60952511	11258	-
## 1425	1	60952684	60954322	1637	-
## 1426	1	60954370	60954485	114	-
## 1427	1	60954602	60963566	8963	-
## 1428	1	60963804	60970548	6743	-
## 1429	1	62238381	62247472	9090	-
## 1430	1	62271589	62273204	1614	-
## 1431	1	62275087	62281549	6461	-
## 1432	1	62281634	62319106	37471	-
## 1433	1	62477825	62487398	9572	-
## 1434	1	62487412	62488934	1521	-
## 1435	1	62543745	62544947	1201	-
## 1436	1	62545039	62552732	7692	-
## 1437	1	62271589	62281549	9959	-
## 1438	1	63159270	63160161	890	-
## 1439	1	63160262	63161404	1141	-
## 1440	1	63161565	63162547	981	-
## 1441	1	63162682	63164244	1561	-
## 1442	1	63164355	63170152	5796	-
## 1443	1	63170424	63190440	20015	-
## 1444	1	63190524	63198716	8191	-
## 1445	1	63199020	63257985	58964	-
## 1446	1	63258050	63304695	46644	-
## 1447	1	63304746	63315949	11202	-
## 1448	1	63316087	63317058	970	-
## 1449	1	64204116	64205639	1522	+
## 1450	1	64205720	64206764	1043	+
## 1451	1	64206856	64210742	3885	+
## 1452	1	64210839	64214815	3975	+
## 1453	1	64214932	64215437	504	+
## 1454	1	64215525	64220859	5333	+
## 1455	1	64220907	64232561	11653	+
## 1456	1	64232654	64241652	8997	+
## 1457	1	64241733	64244130	2396	+
## 1458	1	64957017	64966881	9863	-
## 1459	1	64214932	64220859	5926	+

## 1460	1	64232649	64241652	9002	+
## 1461	1	64241733	64260603	18869	+
## 1462	1	64260694	64267024	6329	+
## 1463	1	64220907	64241652	20744	+
## 1464	1	64214932	64241652	26719	+
## 1465	1	64206856	64210745	3888	+
## 1466	1	64886341	64966881	80539	-
## 1467	1	64855695	64857656	1960	-
## 1468	1	65264932	65345611	80678	+
## 1469	1	65309938	65364635	54696	+
## 1470	1	65622981	65626123	3141	+
## 1471	1	65264932	65364635	99702	+
## 1472	1	66533672	66534246	573	+
## 1473	1	66643719	66660513	16793	+
## 1474	1	66660524	66667530	7005	+
## 1475	1	66667541	66670995	3453	+
## 1476	1	66679752	66681869	2116	+
## 1477	1	66682369	66689148	6778	+
## 1478	1	66690316	66719294	28977	+
## 1479	1	66690316	66695434	5117	+
## 1480	1	66533937	66534246	308	+
## 1481	1	66690316	66694439	4122	+
## 1482	1	66694504	66719294	24789	+
## 1483	1	66533407	66534246	838	+
## 1484	1	66633094	66634080	985	+
## 1485	1	66634163	66639777	5613	+
## 1486	1	66984652	66986403	1750	+
## 1487	1	66694504	66695434	929	+
## 1488	1	66827046	66827812	765	-
## 1489	1	66827910	66833585	5674	-
## 1490	1	66835777	66837710	1932	-
## 1491	1	67166541	67168092	1550	+
## 1492	1	67168190	67169342	1151	+
## 1493	1	67169638	67182836	13197	+
## 1494	1	67182959	67200737	17777	+
## 1495	1	67200897	67206910	6012	+
## 1496	1	67207055	67219574	12518	+
## 1497	1	67236802	67240179	3376	+
## 1498	1	67240281	67255837	15555	+
## 1499	1	67255927	67258478	2550	+
## 1500	1	67380123	67390029	9905	+
## 1501	1	67777507	67833344	55836	-
## 1502	1	67387207	67390029	2821	+
## 1503	1	69056047	69085180	29132	+
## 1504	1	69085298	69088515	3216	+
## 1505	1	69088562	69182770	94207	+
## 1506	1	69182861	69184786	1924	+
## 1507	1	69568820	69678381	109560	+
## 1508	1	69678478	69760191	81712	+
## 1509	1	69838283	69873467	35183	+
## 1510	1	69678478	69716142	37663	+
## 1511	1	69716218	69760191	43972	+
## 1512	1	69838283	69931507	93223	+
## 1513	1	69931570	69980379	48808	+

## 1514	1	69986386	69994561	8174	+
## 1515	1	69994633	70011797	17163	+
## 1516	1	70011926	70012974	1047	+
## 1517	1	70013089	70016465	3375	+
## 1518	1	70016534	70018719	2184	+
## 1519	1	70018818	70021005	2186	+
## 1520	1	70021129	70023126	1996	+
## 1521	1	70023374	70028171	4796	+
## 1522	1	70028371	70036121	7749	+
## 1523	1	70036232	70036504	271	+
## 1524	1	70036624	70038113	1488	+
## 1525	1	70039793	70076077	36283	+
## 1526	1	70107826	70121780	13953	+
## 1527	1	70036232	70036444	211	+
## 1528	1	70039793	70053026	13232	+
## 1529	1	70053145	70076077	22931	+
## 1530	1	70089819	70107769	17949	+
## 1531	1	69569504	69678381	108876	+
## 1532	1	70039793	70043954	4160	+
## 1533	1	70044094	70053026	8931	+
## 1534	1	70706531	70707728	1196	+
## 1535	1	70707981	70708721	739	+
## 1536	1	70708770	70712057	3286	+
## 1537	1	70712131	70713129	997	+
## 1538	1	70713307	70777530	64222	+
## 1539	1	70777695	70785186	7490	+
## 1540	1	70953059	70953763	703	-
## 1541	1	70852859	71012305	159445	-
## 1542	1	70852859	70953763	100903	-
## 1543	1	70953789	70974297	20507	-
## 1544	1	70852859	70862305	9445	-
## 1545	1	70862397	70869244	6846	-
## 1546	1	70869319	71012305	142985	-
## 1547	1	70869319	70953763	84443	-
## 1548	1	70862397	70865689	3291	-
## 1549	1	70865833	70953763	87929	-
## 1550	1	71794536	71798075	3538	-
## 1551	1	71798270	71836980	38709	-
## 1552	1	74026969	74041691	14721	-
## 1553	1	74041933	74074661	32727	-
## 1554	1	74074790	74109394	34603	-
## 1555	1	74109553	74155733	46179	-
## 1556	1	74155866	74182538	26671	-
## 1557	1	74026969	74041213	14243	-
## 1558	1	74577509	74615206	37696	+
## 1559	1	74615296	74621396	6099	+
## 1560	1	74570439	74571099	659	-
## 1561	1	74573491	74576895	3403	-
## 1562	1	74576936	74589631	12694	-
## 1563	1	74590080	74599695	9614	-
## 1564	1	74599931	74606601	6669	-
## 1565	1	74606902	74612623	5720	-
## 1566	1	74612809	74620734	7924	-
## 1567	1	74620914	74631713	10798	-

## 1568	1	74631928	74636280	4351	-
## 1569	1	74636438	74641331	4892	-
## 1570	1	74641459	74643027	1567	-
## 1571	1	74643098	74646667	3568	-
## 1572	1	74646792	74649222	2429	-
## 1573	1	74649315	74673497	24181	-
## 1574	1	75732922	75739980	7057	+
## 1575	1	75733149	75733528	378	+
## 1576	1	75797229	75803731	6501	+
## 1577	1	75807141	75810697	3555	+
## 1578	1	75810807	75815021	4213	+
## 1579	1	75815136	75816373	1236	+
## 1580	1	75816546	75822409	5862	+
## 1581	1	75822581	75848209	25627	+
## 1582	1	75848276	75867514	19237	+
## 1583	1	75867588	75876936	9347	+
## 1584	1	75877000	75878149	1148	+
## 1585	1	75879128	75880050	921	+
## 1586	1	75880153	75881246	1092	+
## 1587	1	75881370	75883621	2250	+
## 1588	1	75898081	75899618	1536	+
## 1589	1	76867690	76868497	806	+
## 1590	1	76868742	77062975	194232	+
## 1591	1	77283611	77286943	3331	+
## 1592	1	76868742	77050258	181515	+
## 1593	1	77050365	77062975	12609	+
## 1594	1	76868742	77044204	175461	+
## 1595	1	77044613	77050258	5644	+
## 1596	1	78229729	78250184	20454	+
## 1597	1	78250373	78251494	1120	+
## 1598	1	78251877	78342526	90648	+
## 1599	1	78342640	78368537	25896	+
## 1600	1	78368727	78369283	555	+
## 1601	1	77780192	77783238	3045	+
## 1602	1	77779967	77783243	3275	+
## 1603	1	77980322	78005080	24757	+
## 1604	1	77779967	77783238	3270	+
## 1605	1	77979619	77992754	13134	+
## 1606	1	77992866	78013051	20184	+
## 1607	1	78045094	78080675	35580	+
## 1608	1	78493541	78497874	4332	+
## 1609	1	78497944	78536406	38461	+
## 1610	1	80535942	80644225	108282	+
## 1611	1	80535942	80540589	4646	+
## 1612	1	80540636	80644225	103588	+
## 1613	1	81514045	81514630	584	-
## 1614	1	81514706	81514835	128	-
## 1615	1	81515195	81557664	42468	-
## 1616	1	81800512	81836885	36372	+
## 1617	1	81984711	81990391	5679	+
## 1618	1	81801068	81836885	35816	+
## 1619	1	81987029	81987869	839	+
## 1620	1	81987886	81990391	2504	+
## 1621	1	81801068	81811843	10774	+

## 1622	1	81811923	81836885	24961	+
## 1623	1	81987341	81989657	2315	+
## 1624	1	81800479	81836885	36405	+
## 1625	1	81802736	81836885	34148	+
## 1626	1	81979960	81980795	834	+
## 1627	1	81980839	81981808	968	+
## 1628	1	82903823	82907468	3644	+
## 1629	1	82907582	82991860	84277	+
## 1630	1	82991980	82996715	4734	+
## 1631	1	82996776	82997473	696	+
## 1632	1	82997589	83076141	78551	+
## 1633	1	83076224	83086212	9987	+
## 1634	1	83086314	83093801	7486	+
## 1635	1	83093983	83096865	2881	+
## 1636	1	83096977	83160606	63628	+
## 1637	1	83160666	83166704	6037	+
## 1638	1	83578672	83750198	171525	-
## 1639	1	83750299	83860819	110519	-
## 1640	1	84680387	84690154	9766	-
## 1641	1	84670815	84690154	19338	-
## 1642	1	84506418	84516223	9804	+
## 1643	1	84516395	84520585	4189	+
## 1644	1	84520691	84522390	1698	+
## 1645	1	84522507	84525696	3188	+
## 1646	1	84525749	84525845	95	+
## 1647	1	84526073	84532860	6786	+
## 1648	1	84532974	84533709	734	+
## 1649	1	84533766	84544202	10435	+
## 1650	1	84544304	84545634	1329	+
## 1651	1	84545759	84548786	3026	+
## 1652	1	84550530	84553035	2504	+
## 1653	1	84553124	84555910	2785	+
## 1654	1	84398689	84401901	3211	+
## 1655	1	84402078	84408437	6358	+
## 1656	1	84408518	84410838	2319	+
## 1657	1	84410999	84412349	1349	+
## 1658	1	84412546	84414528	1981	+
## 1659	1	85358847	85404381	45533	-
## 1660	1	85358847	85496166	137318	-
## 1661	1	85496281	85577984	81702	-
## 1662	1	85062486	85071928	9441	+
## 1663	1	85081415	85082300	884	+
## 1664	1	85082404	85084546	2141	+
## 1665	1	85084695	85085831	1135	+
## 1666	1	85086030	85093458	7427	+
## 1667	1	85094555	85095931	1375	+
## 1668	1	85124251	85126511	2259	+
## 1669	1	85128799	85129990	1190	+
## 1670	1	86571408	86693163	121754	-
## 1671	1	86693290	86697021	3730	-
## 1672	1	86697233	86697699	465	-
## 1673	1	86697762	86703607	5844	-
## 1674	1	86634452	86635600	1147	+
## 1675	1	86635740	86635956	215	+

## 1676	1	86636103	86636800	696	+
## 1677	1	86636908	86638858	1949	+
## 1678	1	86639035	86642544	3508	+
## 1679	1	86642768	86643865	1096	+
## 1680	1	86644089	86645977	1887	+
## 1681	1	86646154	86647163	1008	+
## 1682	1	86647222	86647317	94	+
## 1683	1	86647417	86647780	362	+
## 1684	1	86648003	86648305	301	+
## 1685	1	86648575	86649134	558	+
## 1686	1	86649298	86650158	859	+
## 1687	1	86650397	86654407	4009	+
## 1688	1	86387079	86396033	8953	-
## 1689	1	86903448	86914433	10984	-
## 1690	1	86903448	86914315	10866	-
## 1691	1	88540659	88556904	16244	-
## 1692	1	88557048	88569987	12938	-
## 1693	1	88570195	88685164	114968	-
## 1694	1	88684628	88760222	75593	+
## 1695	1	90783423	90789398	5974	-
## 1696	1	90789487	90851483	61995	-
## 1697	1	90832196	90835826	3629	-
## 1698	1	90832196	90837550	5353	-
## 1699	1	90837765	90851483	13717	-
## 1700	1	91949682	91962718	13035	+
## 1701	1	91962946	91964627	1680	+
## 1702	1	91964764	91968146	3381	+
## 1703	1	91968260	91976266	8005	+
## 1704	1	91976438	91977043	604	+
## 1705	1	91977393	91978168	774	+
## 1706	1	91978296	91979569	1272	+
## 1707	1	91979757	91980643	885	+
## 1708	1	91980815	91980889	73	+
## 1709	1	91981178	91981268	89	+
## 1710	1	91981381	91981618	236	+
## 1711	1	91981755	91991184	9428	+
## 1712	1	91991245	91992264	1018	+
## 1713	1	91992314	91994083	1768	+
## 1714	1	91994254	92002049	7794	+
## 1715	1	92002149	92004414	2264	+
## 1716	1	92004619	92005119	499	+
## 1717	1	92005299	92014206	8906	+
## 1718	1	91861644	91899637	37992	-
## 1719	1	91899697	91905826	6128	-
## 1720	1	91949682	91949890	207	+
## 1721	1	91950474	91964627	14152	+
## 1722	1	91949958	91962718	12759	+
## 1723	1	91962946	91968146	5199	+
## 1724	1	91968272	91976266	7993	+
## 1725	1	91949488	91962718	13229	+
## 1726	1	91952258	91962718	10459	+
## 1727	1	91797471	91800959	3487	-
## 1728	1	91801055	91861471	60415	-
## 1729	1	91262392	91262481	88	-

## 1730	1	91262592	91266017	3424	-
## 1731	1	91266107	91267745	1637	-
## 1732	1	91385834	91394093	8258	-
## 1733	1	91394402	91396293	1890	-
## 1734	1	91396405	91401012	4606	-
## 1735	1	91401109	91404798	3688	-
## 1736	1	91316184	91319078	2893	-
## 1737	1	91322997	91324675	1677	-
## 1738	1	91324766	91347429	22662	-
## 1739	1	91347476	91352506	5029	-
## 1740	1	91353299	91375527	22227	-
## 1741	1	91401109	91404581	3471	-
## 1742	1	92736627	92792344	55716	-
## 1743	1	92513973	92563642	49668	-
## 1744	1	92833034	92847183	14148	-
## 1745	1	92844195	92850848	6652	-
## 1746	1	92850955	92961376	110420	-
## 1747	1	92703619	92703841	221	-
## 1748	1	92563737	92607581	43843	-
## 1749	1	92636294	92662719	26424	-
## 1750	1	92736627	92784254	47626	-
## 1751	1	93993242	93996109	2866	-
## 1752	1	93996195	93997861	1665	-
## 1753	1	93998110	94000836	2725	-
## 1754	1	94000928	94001002	73	-
## 1755	1	94001105	94001858	752	-
## 1756	1	94001992	94005441	3448	-
## 1757	1	94005582	94007634	2051	-
## 1758	1	94007740	94008235	494	-
## 1759	1	94008297	94008751	453	-
## 1760	1	94008871	94010800	1928	-
## 1761	1	94010929	94011262	332	-
## 1762	1	94011385	94014543	3157	-
## 1763	1	94014690	94015739	1048	-
## 1764	1	94015854	94019582	3727	-
## 1765	1	94019759	94021240	1480	-
## 1766	1	94021409	94021640	230	-
## 1767	1	94021714	94021846	131	-
## 1768	1	94021951	94023386	1434	-
## 1769	1	94023418	94024954	1535	-
## 1770	1	94025048	94029445	4396	-
## 1771	1	94029631	94030428	796	-
## 1772	1	94030526	94030996	469	-
## 1773	1	94031120	94031778	657	-
## 1774	1	94032043	94036740	4696	-
## 1775	1	94036788	94037145	356	-
## 1776	1	94037350	94040043	2692	-
## 1777	1	94040127	94041209	1081	-
## 1778	1	94041402	94042761	1358	-
## 1779	1	94042898	94043336	437	-
## 1780	1	94043475	94044613	1137	-
## 1781	1	94044744	94046919	2174	-
## 1782	1	94047093	94048868	1774	-
## 1783	1	94048957	94051633	2675	-

## 1784	1	94051698	94055111	3412	-
## 1785	1	94055315	94056601	1285	-
## 1786	1	94056822	94060537	3714	-
## 1787	1	94060759	94062577	1817	-
## 1788	1	94062753	94063112	358	-
## 1789	1	94063317	94077690	14372	-
## 1790	1	94077887	94078590	702	-
## 1791	1	94078706	94079322	615	-
## 1792	1	94079461	94080478	1016	-
## 1793	1	94080718	94083352	2633	-
## 1794	1	94083441	94098794	15352	-
## 1795	1	94098991	94103015	4023	-
## 1796	1	94103142	94108577	5434	-
## 1797	1	94108716	94111438	2721	-
## 1798	1	94111579	94112973	1393	-
## 1799	1	94113066	94120980	7913	-
## 1800	1	94190083	94201720	11636	-
## 1801	1	94220392	94247565	27172	-
## 1802	1	93674941	93706092	31150	-
## 1803	1	93706142	93845567	139424	-
## 1804	1	93674941	93681107	6165	-
## 1805	1	93592393	93613847	21453	-
## 1806	1	94231643	94247565	15921	-
## 1807	1	93534908	93536332	1423	+
## 1808	1	93536490	93541042	4551	+
## 1809	1	93541056	93544107	3050	+
## 1810	1	95027260	95072763	45502	-
## 1811	1	95092881	95143891	51009	+
## 1812	1	95173889	95230902	57012	+
## 1813	1	95230994	95244211	13216	+
## 1814	1	95027260	95035846	8585	-
## 1815	1	95035882	95064866	28983	-
## 1816	1	94617071	94622719	5647	-
## 1817	1	94624609	94638437	13827	-
## 1818	1	94638558	94679425	40866	-
## 1819	1	94679607	94770262	90654	-
## 1820	1	94770313	94819956	49642	-
## 1821	1	94679607	94732258	52650	-
## 1822	1	94732437	94819956	87518	-
## 1823	1	94658055	94679425	21369	-
## 1824	1	94679607	94705439	25831	-
## 1825	1	94705557	94732258	26700	-
## 1826	1	94673271	94679425	6153	-
## 1827	1	94732437	94770225	37787	-
## 1828	1	94679607	94770225	90617	-
## 1829	1	94705557	94819956	114398	-
## 1830	1	96255750	96303484	47733	-
## 1831	1	96303564	96304273	708	-
## 1832	1	96304338	96353154	48815	-
## 1833	1	96353232	96355226	1993	-
## 1834	1	96355267	96374082	18814	-
## 1835	1	97095986	97265414	169427	+
## 1836	1	97265477	97306189	40711	+
## 1837	1	97306309	97308390	2080	+

## 1838	1	97308424	97322707	14282	+
## 1839	1	96749686	96751425	1738	+
## 1840	1	96721896	96723564	1667	+
## 1841	1	96723594	96769703	46108	+
## 1842	1	97989569	97994916	5346	-
## 1843	1	97995000	98046008	51007	-
## 1844	1	98046396	98046519	122	-
## 1845	1	98046627	98049378	2750	-
## 1846	1	98893104	98914786	21681	-
## 1847	1	98914920	98921882	6961	-
## 1848	1	98922058	98953070	31011	-
## 1849	1	98953320	98956609	3288	-
## 1850	1	98956741	99004435	47693	-
## 1851	1	99004645	99144036	139390	+
## 1852	1	99144130	99146774	2643	+
## 1853	1	99472649	99480114	7464	-
## 1854	1	99480237	99487745	7507	-
## 1855	1	98701903	98760054	58150	+
## 1856	1	98691185	98695518	4332	+
## 1857	1	98893104	98914801	21696	-
## 1858	1	99709259	99710834	1574	-
## 1859	1	99749001	99765297	16295	-
## 1860	1	99850618	99851035	416	+
## 1861	1	99970644	99993537	22892	+
## 1862	1	99850898	99850975	76	+
## 1863	1	99851124	99852561	1436	+
## 1864	1	99852703	99861503	8799	+
## 1865	1	100345183	100353762	8578	+
## 1866	1	100504937	100518251	13313	+
## 1867	1	99850618	99850975	356	+
## 1868	1	101804915	101806076	1160	-
## 1869	1	101806182	101812410	6227	-
## 1870	1	101813146	101825026	11879	-
## 1871	1	101837025	101996748	159722	-
## 1872	1	101837025	101967520	130494	-
## 1873	1	101967580	101996748	29167	-
## 1874	1	101837025	101846845	9819	-
## 1875	1	102878165	102879683	1517	-
## 1876	1	102879916	102881697	1780	-
## 1877	1	102881765	102883199	1433	-
## 1878	1	102883311	102886807	3495	-
## 1879	1	102887056	102888577	1520	-
## 1880	1	102888630	102888723	92	-
## 1881	1	102888758	102888866	107	-
## 1882	1	102888919	102889455	535	-
## 1883	1	102889562	102890451	888	-
## 1884	1	102890504	102898125	7620	-
## 1885	1	102898178	102898666	487	-
## 1886	1	102898773	102898941	167	-
## 1887	1	102898994	102912159	13164	-
## 1888	1	102912212	102913637	1424	-
## 1889	1	102913690	102914352	661	-
## 1890	1	102914405	102914704	298	-
## 1891	1	102914811	102915631	819	-

## 1892	1	102915684	102920311	4626	-
## 1893	1	102920364	102921518	1153	-
## 1894	1	102921571	102923336	1764	-
## 1895	1	102923389	102934449	11059	-
## 1896	1	102934556	102935060	503	-
## 1897	1	102935113	102939035	3921	-
## 1898	1	102939088	102940327	1238	-
## 1899	1	102940434	102946849	6414	-
## 1900	1	102946956	102961866	14909	-
## 1901	1	102961919	102962176	256	-
## 1902	1	102962265	102962653	387	-
## 1903	1	102962760	102965487	2726	-
## 1904	1	102965540	102970219	4678	-
## 1905	1	102970272	102974830	4557	-
## 1906	1	102974883	102978708	3824	-
## 1907	1	102978752	102978860	107	-
## 1908	1	102978913	102979060	146	-
## 1909	1	102979104	102979382	277	-
## 1910	1	102979435	102984138	4702	-
## 1911	1	102984191	102987633	3441	-
## 1912	1	102987740	102989518	1777	-
## 1913	1	102989571	102995864	6292	-
## 1914	1	102995908	102995989	80	-
## 1915	1	102996042	102997080	1037	-
## 1916	1	102997124	102998310	1185	-
## 1917	1	102998363	103001925	3561	-
## 1918	1	103001969	103002428	458	-
## 1919	1	103002481	103002747	265	-
## 1920	1	103002791	103003215	423	-
## 1921	1	103003268	103004444	1175	-
## 1922	1	103004488	103004608	119	-
## 1923	1	103004661	103005838	1176	-
## 1924	1	103005891	103006068	176	-
## 1925	1	103006121	103006262	140	-
## 1926	1	103006315	103008463	2147	-
## 1927	1	103008516	103012413	3896	-
## 1928	1	103012469	103014511	2041	-
## 1929	1	103014594	103015668	1073	-
## 1930	1	103015742	103017820	2077	-
## 1931	1	103017882	103018818	935	-
## 1932	1	103018859	103021707	2847	-
## 1933	1	103021769	103022742	972	-
## 1934	1	103022996	103025521	2524	-
## 1935	1	103025613	103026216	602	-
## 1936	1	103026332	103031116	4783	-
## 1937	1	103031244	103074618	43373	-
## 1938	1	103074780	103078658	3877	-
## 1939	1	103078871	103082805	3933	-
## 1940	1	103082972	103108073	25100	-
## 1941	1	103021769	103026216	4446	-
## 1942	1	103025613	103031116	5502	-
## 1943	1	103025613	103025800	186	-
## 1944	1	103025952	103031116	5163	-
## 1945	1	102979435	102979597	161	-

## 1946	1	102979612	102984138	4525	-
## 1947	1	106818359	106820204	1844	+
## 1948	1	106820742	106838120	17377	+
## 1949	1	107141140	107148069	6928	+
## 1950	1	107148839	107324282	175442	+
## 1951	1	107324922	107395154	70231	+
## 1952	1	107395326	107407682	12355	+
## 1953	1	107407708	107418580	10871	+
## 1954	1	107418645	107480611	61965	+
## 1955	1	107140199	107148069	7869	+
## 1956	1	107407708	107480611	72902	+
## 1957	1	107418645	107436665	18019	+
## 1958	1	107436799	107480611	43811	+
## 1959	1	107141459	107148069	6609	+
## 1960	1	107418645	107421084	2438	+
## 1961	1	107421143	107480611	59467	+
## 1962	1	107407708	107430750	23041	+
## 1963	1	107430917	107436665	5747	+
## 1964	1	107407708	107436665	28956	+
## 1965	1	108185954	108192496	6541	-
## 1966	1	108929975	108931313	1337	+
## 1967	1	109114336	109164499	50162	+
## 1968	1	109198674	109199854	1179	+
## 1969	1	109200900	109202913	2012	+
## 1970	1	109114336	109161894	47557	+
## 1971	1	109173557	109188177	14619	+
## 1972	1	110593928	110602030	8101	-
## 1973	1	110602170	110603889	1718	-
## 1974	1	110604945	110605391	445	-
## 1975	1	110605722	110631395	25672	-
## 1976	1	110212177	110225975	13797	+
## 1977	1	110226178	110232849	6670	+
## 1978	1	110871259	110873156	1896	+
## 1979	1	111620347	111691334	70986	+
## 1980	1	111490762	111563846	73083	-
## 1981	1	111542509	111691334	148824	+
## 1982	1	111488867	111563846	74978	-
## 1983	1	111776278	111777026	747	-
## 1984	1	111777273	111778436	1162	-
## 1985	1	111778492	111780225	1732	-
## 1986	1	111780314	111780690	375	-
## 1987	1	111780791	111786944	6152	-
## 1988	1	111787106	111981621	194514	-
## 1989	1	111982798	111988748	5949	-
## 1990	1	111982798	111989505	6706	-
## 1991	1	111777273	111780225	2951	-
## 1992	1	113091383	113092029	645	+
## 1993	1	113092140	113093206	1065	+
## 1994	1	112616895	112618784	1888	-
## 1995	1	112719299	112720577	1277	+
## 1996	1	112720634	112722233	1598	+
## 1997	1	112722348	112723016	667	+
## 1998	1	112723165	112723945	779	+
## 1999	1	112724137	112726629	2491	+

## 2000	1	112723165	112724013	847	+
## 2001	1	112723165	112723976	810	+
## 2002	1	113902734	113904605	1870	-
## 2003	1	113777808	113796186	18377	-
## 2004	1	114914045	114923449	9403	+
## 2005	1	114673272	114673639	366	-
## 2006	1	114678527	114679579	1051	-
## 2007	1	114679708	114680259	550	-
## 2008	1	114680478	114684199	3720	-
## 2009	1	114684364	114686745	2380	-
## 2010	1	114688741	114695450	6708	-
## 2011	1	114984868	114986179	1310	+
## 2012	1	114986281	114994698	8416	+
## 2013	1	114946381	114977557	31175	+
## 2014	1	114688741	114693436	4694	-
## 2015	1	114693447	114695450	2002	-
## 2016	1	116111810	116112407	596	+
## 2017	1	116112663	116120932	8268	+
## 2018	1	116121072	116124066	2993	+
## 2019	1	116124357	116127466	3108	+
## 2020	1	116127644	116128145	500	+
## 2021	1	116128339	116133132	4792	+
## 2022	1	115701426	115702921	1494	-
## 2023	1	115702995	115705192	2196	-
## 2024	1	115705292	115717840	12547	-
## 2025	1	115717894	115725508	7613	-
## 2026	1	115725553	115726992	1438	-
## 2027	1	115727122	115732901	5778	-
## 2028	1	115732974	115738224	5249	-
## 2029	1	115738335	115740728	2392	-
## 2030	1	115740828	115744828	3999	-
## 2031	1	115744912	115768308	23395	-
## 2032	1	117026786	117032114	5327	-
## 2033	1	117032336	117050167	17830	-
## 2034	1	117050334	117059373	9038	-
## 2035	1	117295703	117296520	816	+
## 2036	1	117296633	117321124	24490	+
## 2037	1	117145225	117147613	2387	-
## 2038	1	117147782	117153091	5308	-
## 2039	1	117153369	117156574	3204	-
## 2040	1	117156921	117170107	13185	-
## 2041	1	117170171	117203618	33446	-
## 2042	1	117153369	117170107	16737	-
## 2043	1	117170171	117210824	40652	-
## 2044	1	116604025	116606492	2466	-
## 2045	1	116606551	116607942	1390	-
## 2046	1	117153249	117156660	3410	-
## 2047	1	117157011	117170107	13095	-
## 2048	1	117963938	117966609	2670	-
## 2049	1	118031867	118036770	4902	-
## 2050	1	118036883	118039292	2408	-
## 2051	1	118039444	118040730	1285	-
## 2052	1	118040841	118041803	961	-
## 2053	1	118042042	118054002	11959	-

## 2054	1	118054093	118055733	1639	-
## 2055	1	118055914	118066745	10830	-
## 2056	1	118066899	118073854	6954	-
## 2057	1	118073967	118074539	571	-
## 2058	1	118074600	118081101	6500	-
## 2059	1	118081319	118081415	95	-
## 2060	1	118081642	118085922	4279	-
## 2061	1	118086072	118086671	598	-
## 2062	1	118086784	118086871	86	-
## 2063	1	118087008	118091606	4597	-
## 2064	1	118091718	118091930	211	-
## 2065	1	118092002	118093156	1153	-
## 2066	1	118093317	118097670	4352	-
## 2067	1	118097851	118099606	1754	-
## 2068	1	118099800	118101740	1939	-
## 2069	1	118101926	118115310	13383	-
## 2070	1	118115441	118150543	35101	-
## 2071	1	118150629	118151229	599	-
## 2072	1	119140793	119150565	9771	+
## 2073	1	119150746	119181390	30643	+
## 2074	1	119181461	119181978	516	+
## 2075	1	119150746	119233458	82711	+
## 2076	1	119150746	119261447	110700	+
## 2077	1	119261716	119262902	1185	+
## 2078	1	119262944	119275188	12243	+
## 2079	1	120415304	120416046	741	+
## 2080	1	120416115	120417622	1506	+
## 2081	1	120417811	120419850	2038	+
## 2082	1	120420118	120427706	7587	+
## 2083	1	120427847	120436232	8384	+
## 2084	1	120455460	120460573	5112	+
## 2085	1	119799862	119803068	3205	-
## 2086	1	119803165	119808703	5537	-
## 2087	1	119808863	119809029	165	-
## 2088	1	119809202	119811409	2206	-
## 2089	1	120415304	120419850	4545	+
## 2090	1	119808863	119811409	2545	-
## 2091	1	120438646	120445829	7182	+
## 2092	1	121362193	121362752	558	-
## 2093	1	121362888	121397481	34592	-
## 2094	1	121397666	121397763	96	-
## 2095	1	121108569	121116866	8296	-
## 2096	1	121108569	121109867	1297	-
## 2097	1	121110164	121116866	6701	-
## 2098	1	121060926	121116866	55939	-
## 2099	1	121117229	121118194	964	-
## 2100	1	143972766	143974544	1777	+
## 2101	1	144424862	144425517	654	-
## 2102	1	144440295	144440402	106	-
## 2103	1	144440581	144442670	2088	-
## 2104	1	144442920	144448775	5854	-
## 2105	1	144460961	144461381	419	-
## 2106	1	144460961	144461411	449	-
## 2107	1	144456805	144458847	2041	-

## 2108	1	144459483	144461381	1897	-
## 2109	1	144459464	144461381	1916	-
## 2110	1	144459464	144461411	1946	-
## 2111	1	144440295	144456537	16241	-
## 2112	1	144456805	144461381	4575	-
## 2113	1	144440295	144448227	7931	-
## 2114	1	144448450	144448775	324	-
## 2115	1	144448916	144456537	7620	-
## 2116	1	144459488	144460843	1354	-
## 2117	1	144450870	144461411	10540	-
## 2118	1	144440038	144456537	16498	-
## 2119	1	144440581	144448775	8193	-
## 2120	1	144440295	144442817	2521	-
## 2121	1	144450870	144451959	1088	-
## 2122	1	144452149	144456537	4387	-
## 2123	1	144459464	144460843	1378	-
## 2124	1	144440295	144448857	8561	-
## 2125	1	144442920	144448227	5306	-
## 2126	1	144448350	144448775	424	-
## 2127	1	144456805	144460843	4037	-
## 2128	1	144450802	144461381	10578	-
## 2129	1	144428657	144429811	1153	-
## 2130	1	144426450	144428606	2155	-
## 2131	1	144429863	144431721	1857	-
## 2132	1	144431804	144433773	1968	-
## 2133	1	145094621	145098988	4366	+
## 2134	1	145608175	145612202	4026	+
## 2135	1	145103131	145104529	1397	+
## 2136	1	145293376	145294021	644	-
## 2137	1	145294072	145294782	709	-
## 2138	1	145296510	145297139	628	-
## 2139	1	145297247	145297962	714	-
## 2140	1	145298134	145298787	652	-
## 2141	1	145298838	145299548	709	-
## 2142	1	145301192	145302817	1624	-
## 2143	1	145302896	145303533	636	-
## 2144	1	145304466	145305070	603	-
## 2145	1	145306065	145306716	650	-
## 2146	1	145306767	145307477	709	-
## 2147	1	145307649	145308253	603	-
## 2148	1	145309248	145309897	648	-
## 2149	1	145309948	145310658	709	-
## 2150	1	145310830	145311437	606	-
## 2151	1	145312380	145313009	628	-
## 2152	1	145313117	145313832	714	-
## 2153	1	145314004	145314665	660	-
## 2154	1	145314716	145315426	709	-
## 2155	1	145315598	145316207	608	-
## 2156	1	145316258	145316978	719	-
## 2157	1	145317150	145317781	630	-
## 2158	1	145317889	145318604	714	-
## 2159	1	145321912	145322543	630	-
## 2160	1	145322651	145323366	714	-
## 2161	1	145323538	145324185	646	-

## 2162	1	145324236	145324946	709	-
## 2163	1	145326662	145327291	628	-
## 2164	1	145327399	145328114	714	-
## 2165	1	145328286	145328945	658	-
## 2166	1	145328996	145329706	709	-
## 2167	1	145329878	145330486	607	-
## 2168	1	145331429	145332058	628	-
## 2169	1	145332166	145332881	714	-
## 2170	1	145333053	145333698	644	-
## 2171	1	145333749	145334459	709	-
## 2172	1	145334631	145335242	610	-
## 2173	1	145335293	145336013	719	-
## 2174	1	145336185	145336814	628	-
## 2175	1	145336922	145337637	714	-
## 2176	1	145337809	145338454	644	-
## 2177	1	145340939	145341564	624	-
## 2178	1	145341672	145342387	714	-
## 2179	1	145342559	145343208	648	-
## 2180	1	145343259	145343969	709	-
## 2181	1	145345693	145346322	628	-
## 2182	1	145347317	145347978	660	-
## 2183	1	145348029	145348739	709	-
## 2184	1	145348911	145349520	608	-
## 2185	1	145349571	145350291	719	-
## 2186	1	145350463	145351094	630	-
## 2187	1	145351202	145351917	714	-
## 2188	1	145352089	145352742	652	-
## 2189	1	145352793	145353503	709	-
## 2190	1	145353675	145354284	608	-
## 2191	1	145354335	145355055	719	-
## 2192	1	145355227	145355856	628	-
## 2193	1	145356851	145357490	638	-
## 2194	1	145359974	145360603	628	-
## 2195	1	145360711	145361426	714	-
## 2196	1	145361598	145362243	644	-
## 2197	1	145362294	145363004	709	-
## 2198	1	145364728	145365357	628	-
## 2199	1	145365465	145366180	714	-
## 2200	1	145366352	145367003	650	-
## 2201	1	145367054	145367764	709	-
## 2202	1	145369488	145370117	628	-
## 2203	1	145370225	145370940	714	-
## 2204	1	145371112	145371751	638	-
## 2205	1	145374973	145375688	714	-
## 2206	1	145375860	145376505	644	-
## 2207	1	145376556	145377266	709	-
## 2208	1	145378986	145379617	630	-
## 2209	1	145379725	145380440	714	-
## 2210	1	145380612	145381257	644	-
## 2211	1	145382190	145382799	608	-
## 2212	1	145382850	145383570	719	-
## 2213	1	145383742	145384371	628	-
## 2214	1	145388490	145389121	630	-
## 2215	1	145389229	145389944	714	-

## 2216	1	145390116	145390769	652	-
## 2217	1	145390820	145391530	709	-
## 2218	1	145393246	145393722	475	-
## 2219	1	145393734	145393861	126	-
## 2220	1	145401131	145402167	1035	-
## 2221	1	145402381	145403216	834	-
## 2222	1	145405307	145405682	374	-
## 2223	1	145099065	145111503	12437	+
## 2224	1	145095029	145098988	3958	+
## 2225	1	144960427	144995008	34580	-
## 2226	1	144906074	144955439	49364	-
## 2227	1	144914754	145062634	147879	-
## 2228	1	145062719	145092835	30115	-
## 2229	1	145873985	145874155	169	-
## 2230	1	145874192	145874822	629	-
## 2231	1	145875006	145876140	1133	-
## 2232	1	145876246	145876569	322	-
## 2233	1	145876639	145876816	176	-
## 2234	1	145876873	145877968	1094	-
## 2235	1	145877988	145885726	7737	-
## 2236	1	145878032	145878391	358	-
## 2237	1	145878479	145879258	778	-
## 2238	1	145879388	145885720	6331	-
## 2239	1	147384863	147514338	129474	-
## 2240	1	147514448	147515521	1072	-
## 2241	1	147515676	147517443	1766	-
## 2242	1	147174585	147252623	78037	+
## 2243	1	147225066	147225277	210	-
## 2244	1	148208654	148216937	8282	-
## 2245	1	148217130	148226494	9363	-
## 2246	1	148226621	148227988	1366	-
## 2247	1	148228069	148246629	18559	-
## 2248	1	148640097	148679462	39364	-
## 2249	1	148784591	148791852	7260	-
## 2250	1	147992944	147993069	124	+
## 2251	1	148135813	148140512	4698	-
## 2252	1	148135813	148135886	72	-
## 2253	1	148137809	148140512	2702	-
## 2254	1	148127038	148135672	8633	-
## 2255	1	148127288	148135886	8597	-
## 2256	1	148109411	148110378	966	-
## 2257	1	149482226	149486130	3903	+
## 2258	1	149493711	149494318	606	+
## 2259	1	149494490	149495200	709	+
## 2260	1	149496897	149497525	627	+
## 2261	1	149498468	149499073	604	+
## 2262	1	149500829	149501544	714	+
## 2263	1	149501652	149502286	633	+
## 2264	1	149502458	149503178	719	+
## 2265	1	149503229	149503834	604	+
## 2266	1	149506413	149507047	633	+
## 2267	1	149507219	149507939	719	+
## 2268	1	149507990	149508595	604	+
## 2269	1	149508767	149509477	709	+

## 2270	1	149509528	149510179	650	+
## 2271	1	149511174	149511808	633	+
## 2272	1	149512751	149513356	604	+
## 2273	1	149525440	149526070	629	+
## 2274	1	149542786	149543413	626	+
## 2275	1	149547523	149548150	626	+
## 2276	1	149552260	149552887	626	+
## 2277	1	150067606	150068630	1023	+
## 2278	1	150076312	150077669	1356	+
## 2279	1	150110627	150142838	32210	+
## 2280	1	150142931	150144709	1777	+
## 2281	1	150816400	150816788	387	-
## 2282	1	150852840	150858349	5508	-
## 2283	1	150861302	150876543	15240	-
## 2284	1	151779207	151780051	843	-
## 2285	1	151771986	151774413	2426	-
## 2286	1	152314747	152315319	571	-
## 2287	1	152315477	152325189	9711	-
## 2288	1	152698394	152698882	487	+
## 2289	1	153728211	153728553	341	+
## 2290	1	154403957	154406439	2481	-
## 2291	1	154733144	154737044	3899	-
## 2292	1	154737088	154771975	34886	-
## 2293	1	154822184	154867949	45764	-
## 2294	1	155051465	155052531	1065	+
## 2295	1	155052559	155052671	111	+
## 2296	1	154929057	154932352	3294	-
## 2297	1	154932415	154942576	10160	-
## 2298	1	154542066	154542731	664	+
## 2299	1	154544110	154544372	261	+
## 2300	1	154822184	154869032	46847	-
## 2301	1	155046155	155049269	3113	-
## 2302	1	155049361	155063757	14395	-
## 2303	1	155969300	155979511	10210	-
## 2304	1	155752590	155753204	613	-
## 2305	1	155319932	155323756	3823	-
## 2306	1	155322437	155324078	1640	-
## 2307	1	155380131	155395459	15327	-
## 2308	1	156082663	156082948	284	+
## 2309	1	156083184	156090471	7286	+
## 2310	1	156090582	156114713	24130	+
## 2311	1	156951699	156955703	4003	-
## 2312	1	156955802	156956420	617	-
## 2313	1	156986173	157046396	60222	-
## 2314	1	157926044	157929531	3486	+
## 2315	1	157929791	157945656	15864	+
## 2316	1	157945761	157948469	2707	+
## 2317	1	157697329	157697659	329	-
## 2318	1	157676768	157678743	1974	-
## 2319	1	157695625	157696040	414	-
## 2320	1	157518487	157518700	212	-
## 2321	1	157696327	157697659	1331	-
## 2322	1	157993728	158084422	90693	+
## 2323	1	160152187	160153165	977	+

## 2324	1	160153224	160155045	1820	+
## 2325	1	160155248	160156045	796	+
## 2326	1	160156158	160159002	2843	+
## 2327	1	160159136	160159409	272	+
## 2328	1	160159526	160164156	4629	+
## 2329	1	160164424	160166528	2103	+
## 2330	1	160166726	160166968	241	+
## 2331	1	160167077	160167278	200	+
## 2332	1	160167412	160171251	3838	+
## 2333	1	160174747	160176092	1344	+
## 2334	1	160176246	160176479	232	+
## 2335	1	160176602	160177519	916	+
## 2336	1	160177664	160181684	4019	+
## 2337	1	160186367	160186671	303	+
## 2338	1	160042532	160070022	27489	-
## 2339	1	161323670	161340594	16923	+
## 2340	1	160552737	160553360	622	-
## 2341	1	161314425	161340594	26168	+
## 2342	1	162000341	162006297	5955	-
## 2343	1	162632631	162655211	22579	+
## 2344	1	162655374	162719037	63662	+
## 2345	1	162719145	162753095	33949	+
## 2346	1	162753197	162754624	1426	+
## 2347	1	162754855	162755156	300	+
## 2348	1	162755303	162755664	360	+
## 2349	1	162755769	162759796	4026	+
## 2350	1	162761454	162766001	4546	+
## 2351	1	162770512	162772024	1511	+
## 2352	1	162772247	162773469	1221	+
## 2353	1	163147503	163152538	5034	-
## 2354	1	162632093	162655211	23117	+
## 2355	1	163306329	163319182	12852	-
## 2356	1	163161841	163162786	944	+
## 2357	1	163162876	163206697	43820	+
## 2358	1	163206840	163210793	3952	+
## 2359	1	163168368	163306233	137864	-
## 2360	1	162655374	162705052	49677	+
## 2361	1	162705131	162719037	13905	+
## 2362	1	162631447	162655211	23763	+
## 2363	1	163152716	163202792	50075	-
## 2364	1	165401410	165406812	5401	-
## 2365	1	165406917	165408227	1309	-
## 2366	1	165408318	165409558	1239	-
## 2367	1	165409690	165410702	1011	-
## 2368	1	165410831	165410949	117	-
## 2369	1	165411109	165417041	5931	-
## 2370	1	165417220	165419870	2649	-
## 2371	1	165420014	165424751	4736	-
## 2372	1	165424808	165428719	3910	-
## 2373	1	165428966	165444845	15878	-
## 2374	1	165477115	165482349	5233	-
## 2375	1	165482607	165501431	18823	-
## 2376	1	165501627	165522974	21346	-
## 2377	1	165523087	165574018	50930	-

## 2378	1	165574088	165575283	1194	-
## 2379	1	165575369	165581355	5985	-
## 2380	1	165420014	165428719	8704	-
## 2381	1	165204040	165205864	1823	-
## 2382	1	165206034	165208063	2028	-
## 2383	1	165208132	165210699	2566	-
## 2384	1	165210776	165213641	2864	-
## 2385	1	165213813	165249408	35594	-
## 2386	1	165249640	165353076	103435	-
## 2387	1	165353262	165355484	2221	-
## 2388	1	165355581	165356070	488	-
## 2389	1	165355581	165356355	773	-
## 2390	1	166060663	166069832	9168	-
## 2391	1	166070763	166165986	95222	-
## 2392	1	166060663	166069835	9171	-
## 2393	1	166060663	166165986	105322	-
## 2394	1	167440767	167493964	53196	-
## 2395	1	167494056	167518408	24351	-
## 2396	1	167684001	167694099	10097	+
## 2397	1	167241610	167332470	90859	+
## 2398	1	166975666	166989401	13734	+
## 2399	1	167372036	167376029	3992	+
## 2400	1	167936509	167951800	15290	+
## 2401	1	167809839	167810725	885	-
## 2402	1	167810913	167818072	7158	-
## 2403	1	167818267	167822024	3756	-
## 2404	1	167822141	167823008	866	-
## 2405	1	167823123	167824476	1352	-
## 2406	1	167824572	167824651	78	-
## 2407	1	167824855	167829267	4411	-
## 2408	1	167829423	167832987	3563	-
## 2409	1	167833162	167833970	807	-
## 2410	1	167834077	167836309	2231	-
## 2411	1	167836540	167837249	708	-
## 2412	1	167837318	167845563	8244	-
## 2413	1	167845853	167845985	131	-
## 2414	1	167846263	167848361	2097	-
## 2415	1	167848489	167854353	5863	-
## 2416	1	167854489	167856165	1675	-
## 2417	1	167856439	167859807	3367	-
## 2418	1	167859893	167860871	977	-
## 2419	1	167861063	167870257	9193	-
## 2420	1	167870410	167875131	4720	-
## 2421	1	167875186	167878446	3259	-
## 2422	1	167878635	167880115	1479	-
## 2423	1	167880191	167880491	299	-
## 2424	1	167880609	167883437	2827	-
## 2425	1	167883628	167893853	10224	-
## 2426	1	167893941	167896595	2653	-
## 2427	1	167896691	167899423	2731	-
## 2428	1	167899628	167901662	2033	-
## 2429	1	167901805	167902016	210	-
## 2430	1	167902054	167903887	1832	-
## 2431	1	167903991	167904993	1001	-

## 2432	1	167905198	167913976	8777	-
## 2433	1	167899628	167902016	2387	-
## 2434	1	167902054	167913976	11921	-
## 2435	1	167901842	167902016	173	-
## 2436	1	167936821	167951800	14978	+
## 2437	1	167936692	167951800	15107	+
## 2438	1	167937008	167966629	29620	+
## 2439	1	167951861	167974830	22968	+
## 2440	1	168045227	168050892	5664	+
## 2441	1	168050933	168063621	12687	+
## 2442	1	168281293	168291160	9866	+
## 2443	1	168904712	168907859	3146	-
## 2444	1	168907970	169056184	148213	-
## 2445	1	169056233	169060412	4178	-
## 2446	1	169060519	169086955	26435	-
## 2447	1	169921781	169925787	4005	-
## 2448	1	169925855	169954011	28155	-
## 2449	1	169921781	169923066	1284	-
## 2450	1	169923102	169954011	30908	-
## 2451	1	170461577	170462209	631	-
## 2452	1	170462419	170532448	70028	-
## 2453	1	170041840	170046712	4871	-
## 2454	1	170046866	170074436	27569	-
## 2455	1	170935587	170945520	9932	+
## 2456	1	170945581	170947527	1945	+
## 2457	1	170947573	170958461	10887	+
## 2458	1	170958540	170959462	921	+
## 2459	1	170959597	170961890	2292	+
## 2460	1	170961976	170965151	3174	+
## 2461	1	170965255	170971748	6492	+
## 2462	1	170971883	170983422	11538	+
## 2463	1	170983534	170986561	3026	+
## 2464	1	170986710	170989855	3144	+
## 2465	1	170990003	170992164	2160	+
## 2466	1	170992329	170995389	3059	+
## 2467	1	170995531	170996507	975	+
## 2468	1	170996644	170998154	1509	+
## 2469	1	170998274	171014117	15842	+
## 2470	1	171014254	171016163	1908	+
## 2471	1	171016336	171024395	8058	+
## 2472	1	171024547	171024649	101	+
## 2473	1	171024765	171025318	552	+
## 2474	1	171025420	171062132	36711	+
## 2475	1	171062194	171064099	1904	+
## 2476	1	171719218	171728524	9305	-
## 2477	1	173240023	173462324	222300	-
## 2478	1	173803505	173806439	2933	-
## 2479	1	173501097	173503266	2168	-
## 2480	1	173503326	173505247	1920	-
## 2481	1	173505331	173506856	1524	-
## 2482	1	173507041	173509568	2526	-
## 2483	1	173509699	173517537	7837	-
## 2484	1	173517704	173521301	3596	-
## 2485	1	173521399	173523969	2569	-

## 2486	1	173524094	173524779	684	-
## 2487	1	173524927	173526663	1735	-
## 2488	1	173526714	173529905	3190	-
## 2489	1	173530054	173533609	3554	-
## 2490	1	173533797	173534484	686	-
## 2491	1	173534682	173535830	1147	-
## 2492	1	173535949	173536942	992	-
## 2493	1	173537039	173547689	10649	-
## 2494	1	173547784	173548389	604	-
## 2495	1	173548552	173554733	6180	-
## 2496	1	173554814	173557340	2525	-
## 2497	1	173557508	173573182	15673	-
## 2498	1	173573325	173576661	3335	-
## 2499	1	173576760	173581847	5086	-
## 2500	1	173582008	173583506	1497	-
## 2501	1	173583622	173587665	4042	-
## 2502	1	173587830	173597904	10073	-
## 2503	1	173598032	173600117	2084	-
## 2504	1	173600217	173601650	1432	-
## 2505	1	173601855	173602751	895	-
## 2506	1	174275189	174275833	643	+
## 2507	1	174811960	174877392	65431	+
## 2508	1	174701145	174702113	967	+
## 2509	1	174700865	174702113	1247	+
## 2510	1	174701122	174702113	990	+
## 2511	1	174394145	174547837	153691	+
## 2512	1	175323476	175324356	879	-
## 2513	1	175324519	175330074	5554	-
## 2514	1	175330235	175335711	5475	-
## 2515	1	175335807	175337528	1720	-
## 2516	1	175337679	175354391	16711	-
## 2517	1	175354523	175355503	979	-
## 2518	1	175356462	175359612	3149	-
## 2519	1	175359731	175362663	2931	-
## 2520	1	175362809	175363708	898	-
## 2521	1	175363827	175365010	1182	-
## 2522	1	175365279	175365875	595	-
## 2523	1	175366138	175367208	1069	-
## 2524	1	175367297	175379552	12254	-
## 2525	1	175379737	175386032	6294	-
## 2526	1	175386301	175391288	4986	-
## 2527	1	175391438	175393780	2341	-
## 2528	1	175393895	175396544	2648	-
## 2529	1	175396807	175403140	6332	-
## 2530	1	175403616	175406216	2599	-
## 2531	1	175406777	175528269	121491	-
## 2532	1	175528369	175743226	214856	-
## 2533	1	175396703	175403140	6436	-
## 2534	1	176463418	176555407	91988	+
## 2535	1	176557241	176594524	37282	+
## 2536	1	176595595	176670970	75374	+
## 2537	1	176671115	176690137	19021	+
## 2538	1	176690430	176692126	1695	+
## 2539	1	176692318	176695738	3419	+

## 2540	1	176695859	176699100	3240	+
## 2541	1	176699589	176702607	3017	+
## 2542	1	176702735	176706359	3623	+
## 2543	1	176706450	176709983	3532	+
## 2544	1	176710176	176711835	1658	+
## 2545	1	176711981	176739626	27644	+
## 2546	1	176739761	176739980	218	+
## 2547	1	176740196	176765666	25469	+
## 2548	1	176765837	176769607	3769	+
## 2549	1	176769784	176770967	1182	+
## 2550	1	176771180	176789809	18628	+
## 2551	1	176789977	176791347	1369	+
## 2552	1	176791482	176793560	2077	+
## 2553	1	176793669	176800061	6391	+
## 2554	1	176800132	176840173	40040	+
## 2555	1	176840271	176842380	2108	+
## 2556	1	176864521	176868844	4322	-
## 2557	1	176869027	176876537	7509	-
## 2558	1	176876637	176882859	6221	-
## 2559	1	176882994	176884339	1344	-
## 2560	1	176884490	176888071	3580	-
## 2561	1	176888204	176894562	6357	-
## 2562	1	176894830	176934152	39321	-
## 2563	1	176934340	176936266	1925	-
## 2564	1	176936370	176943891	7520	-
## 2565	1	176944018	176945926	1907	-
## 2566	1	176946120	176949185	3064	-
## 2567	1	176949351	176957678	8326	-
## 2568	1	176957828	176958345	516	-
## 2569	1	176958482	176965163	6680	-
## 2570	1	176965237	177014791	49553	-
## 2571	1	177014875	177023404	8528	-
## 2572	1	177023571	177024583	1011	-
## 2573	1	177024732	177029634	4901	-
## 2574	1	177029741	177030806	1064	-
## 2575	1	177030952	177032456	1503	-
## 2576	1	177032849	177061078	28228	-
## 2577	1	177061265	177164394	103128	-
## 2578	1	177014875	177023380	8504	-
## 2579	1	176857650	176868844	11193	-
## 2580	1	177954376	177958132	3755	-
## 2581	1	177968039	177984956	16916	-
## 2582	1	177973309	177984206	10896	-
## 2583	1	177984418	177984956	537	-
## 2584	1	178513251	178514027	775	+
## 2585	1	178514077	178514700	622	+
## 2586	1	178514768	178515859	1090	+
## 2587	1	178515915	178516615	699	+
## 2588	1	178516674	178520372	3697	+
## 2589	1	178520436	178520673	236	+
## 2590	1	178520874	178521222	347	+
## 2591	1	178521264	178523302	2037	+
## 2592	1	178513227	178514027	799	+
## 2593	1	178521264	178522325	1060	+

## 2594	1	178521264	178521672	407	+
## 2595	1	179025858	179043715	17856	+
## 2596	1	178341608	178390100	48491	+
## 2597	1	179551451	179552603	1151	-
## 2598	1	179552681	179554476	1794	-
## 2599	1	179554531	179557027	2495	-
## 2600	1	179557230	179559679	2448	-
## 2601	1	179559761	179561289	1527	-
## 2602	1	179561361	179564690	3328	-
## 2603	1	179564793	179575591	10797	-
## 2604	1	179366126	179366404	277	+
## 2605	1	179366606	179368800	2193	+
## 2606	1	179368972	179369975	1002	+
## 2607	1	179370078	179378637	8558	+
## 2608	1	179378757	179379397	639	+
## 2609	1	179379482	179382700	3217	+
## 2610	1	179382756	179383442	685	+
## 2611	1	179383544	179385238	1693	+
## 2612	1	179385359	179393903	8543	+
## 2613	1	179394043	179395098	1054	+
## 2614	1	179395202	179411146	15943	+
## 2615	1	179411266	179429518	18251	+
## 2616	1	179429619	179430452	832	+
## 2617	1	179430606	179432267	1660	+
## 2618	1	179432342	179468443	36100	+
## 2619	1	179468641	179483128	14486	+
## 2620	1	179483221	179491538	8316	+
## 2621	1	179491737	179492855	1117	+
## 2622	1	179492951	179506833	13881	+
## 2623	1	179506926	179509296	2369	+
## 2624	1	179509403	179525334	15930	+
## 2625	1	179525447	179528327	2879	+
## 2626	1	179528431	179533795	5363	+
## 2627	1	179533877	179534730	852	+
## 2628	1	179534962	179554512	19549	+
## 2629	1	179554531	179559679	5147	-
## 2630	1	179366000	179366404	403	+
## 2631	1	179432342	179444970	12627	+
## 2632	1	179445204	179468443	23238	+
## 2633	1	179492951	179509296	16344	+
## 2634	1	180825344	180863708	38363	+
## 2635	1	180993425	181022639	29213	-
## 2636	1	181484010	181510477	26466	+
## 2637	1	181510582	181511371	788	+
## 2638	1	181511510	181577766	66255	+
## 2639	1	181577869	181579072	1202	+
## 2640	1	181579224	181580595	1370	+
## 2641	1	181580776	181651338	70561	+
## 2642	1	181651441	181710954	59512	+
## 2643	1	181711069	181715338	4268	+
## 2644	1	181715391	181716040	648	+
## 2645	1	181716129	181717093	963	+
## 2646	1	181717302	181718055	752	+
## 2647	1	181718167	181719751	1583	+

## 2648	1	181719863	181720206	342	+
## 2649	1	181720337	181720783	445	+
## 2650	1	181720855	181721758	902	+
## 2651	1	181721875	181724470	2594	+
## 2652	1	181724537	181726065	1527	+
## 2653	1	181726162	181731175	5012	+
## 2654	1	181731231	181732384	1152	+
## 2655	1	181733034	181733437	402	+
## 2656	1	181733750	181736275	2524	+
## 2657	1	181736434	181737525	1090	+
## 2658	1	181737654	181738367	712	+
## 2659	1	181738426	181739147	720	+
## 2660	1	181739253	181750476	11222	+
## 2661	1	181750487	181752143	1655	+
## 2662	1	181752239	181755237	2997	+
## 2663	1	181755397	181755956	558	+
## 2664	1	181756093	181756925	831	+
## 2665	1	181757126	181757947	820	+
## 2666	1	181758111	181758758	646	+
## 2667	1	181758868	181762574	3705	+
## 2668	1	181762657	181763406	748	+
## 2669	1	181763531	181766546	3014	+
## 2670	1	181766611	181771293	4681	+
## 2671	1	181771384	181772066	681	+
## 2672	1	181772231	181776101	3869	+
## 2673	1	181776228	181781427	5198	+
## 2674	1	181781523	181783679	2155	+
## 2675	1	181783784	181784661	876	+
## 2676	1	181784768	181785318	549	+
## 2677	1	181785418	181785713	294	+
## 2678	1	181785819	181790445	4625	+
## 2679	1	181790556	181794864	4307	+
## 2680	1	181795044	181796668	1623	+
## 2681	1	181796858	181798292	1433	+
## 2682	1	182058073	182061568	3494	-
## 2683	1	181790556	181793665	3108	+
## 2684	1	181793793	181794864	1070	+
## 2685	1	181726162	181732384	6221	+
## 2686	1	182712888	182714313	1424	+
## 2687	1	183186431	183207881	21449	+
## 2688	1	183208069	183215453	7383	+
## 2689	1	183215588	183218390	2801	+
## 2690	1	183218488	183220825	2336	+
## 2691	1	183220961	183222089	1127	+
## 2692	1	183222211	183223135	923	+
## 2693	1	183223324	183225608	2283	+
## 2694	1	183225720	183226698	977	+
## 2695	1	183226916	183227515	598	+
## 2696	1	183227697	183228374	676	+
## 2697	1	183228619	183230961	2341	+
## 2698	1	183231103	183232187	1083	+
## 2699	1	183232343	183232652	308	+
## 2700	1	183232857	183234367	1509	+
## 2701	1	183234446	183235575	1128	+

## 2702	1	183235730	183236460	729	+
## 2703	1	183236604	183237352	747	+
## 2704	1	183237504	183238307	802	+
## 2705	1	183238421	183239364	942	+
## 2706	1	183239563	183240040	476	+
## 2707	1	183240198	183240292	93	+
## 2708	1	183240391	183243147	2755	+
## 2709	1	183252743	183261002	8258	-
## 2710	1	183261069	183261202	132	-
## 2711	1	183261303	183278553	17249	-
## 2712	1	183278629	183283995	5365	-
## 2713	1	183284039	183284710	670	-
## 2714	1	183284790	183286662	1871	-
## 2715	1	183286788	183290128	3339	-
## 2716	1	183290206	183292790	2583	-
## 2717	1	183292857	183293705	847	-
## 2718	1	183293793	183418183	124389	-
## 2719	1	183897897	183902568	4670	+
## 2720	1	183978520	184037581	59060	-
## 2721	1	183930289	183940581	10291	-
## 2722	1	183633163	183635517	2353	-
## 2723	1	183636501	183742126	105624	+
## 2724	1	183742289	183847566	105276	+
## 2725	1	183636501	183697403	60901	+
## 2726	1	183697512	183742126	44613	+
## 2727	1	183742289	183806375	64085	+
## 2728	1	185157164	185160833	3668	+
## 2729	1	186399044	186406083	7038	+
## 2730	1	186391791	186398313	6521	+
## 2731	1	185735047	185846026	110978	+
## 2732	1	185846096	185864470	18373	+
## 2733	1	185864628	185865741	1112	+
## 2734	1	185865863	185909337	43473	+
## 2735	1	185909508	185911674	2165	+
## 2736	1	185911780	185922379	10598	+
## 2737	1	185922499	185923390	890	+
## 2738	1	185923653	185925047	1393	+
## 2739	1	185925191	185928546	3354	+
## 2740	1	185928667	185933549	4881	+
## 2741	1	185933824	185962518	28693	+
## 2742	1	185962659	185963768	1108	+
## 2743	1	185963895	185965802	1906	+
## 2744	1	185965915	185970335	4419	+
## 2745	1	185970493	185977787	7293	+
## 2746	1	185977981	185980978	2996	+
## 2747	1	185981073	185982262	1188	+
## 2748	1	185982389	185984169	1779	+
## 2749	1	185984313	185987432	3118	+
## 2750	1	185987544	185989488	1943	+
## 2751	1	185989647	185990275	627	+
## 2752	1	185990443	185993182	2738	+
## 2753	1	185993309	185994815	1505	+
## 2754	1	185995087	185997429	2341	+
## 2755	1	185997524	186000045	2520	+

## 2756	1	186000239	186001298	1058	+
## 2757	1	186001428	186001594	165	+
## 2758	1	186001741	186003718	1976	+
## 2759	1	186003844	186007128	3283	+
## 2760	1	186007282	186015159	7876	+
## 2761	1	186015437	186015958	520	+
## 2762	1	186016239	186016963	723	+
## 2763	1	186017071	186018183	1111	+
## 2764	1	186018352	186019541	1188	+
## 2765	1	186019695	186023030	3334	+
## 2766	1	186023153	186037934	14780	+
## 2767	1	186038035	186038829	793	+
## 2768	1	186039005	186039728	722	+
## 2769	1	186039879	186041013	1133	+
## 2770	1	186041136	186045688	4551	+
## 2771	1	186045863	186048743	2879	+
## 2772	1	186048839	186052952	4112	+
## 2773	1	186053074	186053825	750	+
## 2774	1	186053986	186055393	1406	+
## 2775	1	186055674	186057234	1559	+
## 2776	1	186057401	186061851	4449	+
## 2777	1	186061964	186062514	549	+
## 2778	1	186062600	186065238	2637	+
## 2779	1	186065429	186067834	2404	+
## 2780	1	186068007	186069663	1655	+
## 2781	1	186069776	186070612	835	+
## 2782	1	186070757	186074741	3983	+
## 2783	1	186074891	186076428	1536	+
## 2784	1	186076622	186078107	1484	+
## 2785	1	186078220	186081207	2986	+
## 2786	1	186081394	186082865	1470	+
## 2787	1	186082961	186086246	3284	+
## 2788	1	186086407	186087217	809	+
## 2789	1	186087330	186087443	112	+
## 2790	1	186087645	186087932	286	+
## 2791	1	186088013	186088145	131	+
## 2792	1	186088276	186088606	329	+
## 2793	1	186088755	186090758	2002	+
## 2794	1	186090917	186093134	2216	+
## 2795	1	186093258	186093486	227	+
## 2796	1	186093669	186094276	606	+
## 2797	1	186094373	186095243	869	+
## 2798	1	186095521	186103472	7950	+
## 2799	1	186103668	186106884	3215	+
## 2800	1	186106965	186108461	1495	+
## 2801	1	186108597	186112812	4214	+
## 2802	1	186112953	186113979	1025	+
## 2803	1	186114123	186114819	695	+
## 2804	1	186114946	186115258	311	+
## 2805	1	186115414	186116994	1579	+
## 2806	1	186117115	186117459	343	+
## 2807	1	186117623	186119191	1567	+
## 2808	1	186119882	186120011	128	+
## 2809	1	186120145	186122951	2805	+

## 2810	1	186123220	186125604	2383	+
## 2811	1	186125794	186128078	2283	+
## 2812	1	186128291	186129966	1674	+
## 2813	1	186130100	186130507	406	+
## 2814	1	186130697	186132328	1630	+
## 2815	1	186132409	186136668	4258	+
## 2816	1	186136937	186137498	560	+
## 2817	1	186137668	186137802	133	+
## 2818	1	186137972	186144173	6200	+
## 2819	1	186144343	186144533	189	+
## 2820	1	186144703	186145403	699	+
## 2821	1	186145573	186145753	179	+
## 2822	1	186151349	186151606	256	+
## 2823	1	186153987	186165111	11123	+
## 2824	1	186165173	186166184	1010	+
## 2825	1	186166303	186166808	504	+
## 2826	1	186166942	186171337	4394	+
## 2827	1	186171450	186172006	555	+
## 2828	1	186174642	186178416	3773	+
## 2829	1	186178766	186182168	3401	+
## 2830	1	186182287	186187883	5595	+
## 2831	1	186188009	186189512	1502	+
## 2832	1	187092946	187303466	210519	+
## 2833	1	187303539	187328991	25451	+
## 2834	1	187329060	187359715	30654	+
## 2835	1	186894211	186932763	38551	+
## 2836	1	190099134	190160668	61533	-
## 2837	1	190160890	190226082	65191	-
## 2838	1	190226318	190234372	8053	-
## 2839	1	190234477	190264865	30387	-
## 2840	1	190265055	190281560	16504	-
## 2841	1	190281750	190454655	172904	-
## 2842	1	190454940	190477448	22507	-
## 2843	1	190265055	190454655	189599	-
## 2844	1	190454940	190475780	20839	-
## 2845	1	190625033	190738438	113404	+
## 2846	1	190738510	190791514	53003	+
## 2847	1	190791563	190793506	1942	+
## 2848	1	190793596	190799801	6204	+
## 2849	1	193304938	193349133	44194	+
## 2850	1	193349275	193351104	1828	+
## 2851	1	193351239	193365648	14408	+
## 2852	1	193084657	193084989	331	+
## 2853	1	193085040	193091651	6610	+
## 2854	1	196228335	196235986	7650	-
## 2855	1	196236070	196258194	22123	-
## 2856	1	196258494	196280860	22365	-
## 2857	1	196280988	196282273	1284	-
## 2858	1	196285758	196305234	19475	-
## 2859	1	196305345	196315892	10546	-
## 2860	1	196316026	196319484	3457	-
## 2861	1	196319555	196326717	7161	-
## 2862	1	196326889	196331156	4266	-
## 2863	1	196331261	196333847	2585	-

## 2864	1	196340570	196342079	1508	-
## 2865	1	196342228	196373140	30911	-
## 2866	1	196373248	196398563	25314	-
## 2867	1	196398671	196423050	24378	-
## 2868	1	196423113	196425852	2738	-
## 2869	1	196425988	196428105	2116	-
## 2870	1	196428269	196429577	1307	-
## 2871	1	196429757	196465293	35535	-
## 2872	1	196465387	196467703	2315	-
## 2873	1	196467786	196468994	1207	-
## 2874	1	196469068	196479179	10110	-
## 2875	1	196479238	196482331	3092	-
## 2876	1	196482379	196489838	7458	-
## 2877	1	196489937	196492262	2324	-
## 2878	1	196492341	196608215	115873	-
## 2879	1	196316026	196326717	10690	-
## 2880	1	196977722	196982885	5162	+
## 2881	1	196983079	196983961	881	+
## 2882	1	196984137	196994080	9942	+
## 2883	1	196994256	196995717	1460	+
## 2884	1	196995899	196996022	122	+
## 2885	1	196996201	196998128	1926	+
## 2886	1	196998304	197002482	4177	+
## 2887	1	197002664	197004661	1996	+
## 2888	1	197004843	197008487	3643	+
## 2889	1	196258494	196273468	14973	-
## 2890	1	196273488	196280860	7371	-
## 2891	1	196340570	196373140	32569	-
## 2892	1	196258494	196259587	1092	-
## 2893	1	196259624	196273468	13843	-
## 2894	1	196316026	196317174	1147	-
## 2895	1	196317269	196326717	9447	-
## 2896	1	196342228	196398563	56334	-
## 2897	1	197268482	197328422	59939	+
## 2898	1	197329003	197356831	27827	+
## 2899	1	197357013	197421000	63986	+
## 2900	1	197421956	197427454	5497	+
## 2901	1	197428001	197429449	1447	+
## 2902	1	197429614	197434706	5091	+
## 2903	1	197435612	197438547	2934	+
## 2904	1	197438675	197442166	3490	+
## 2905	1	197442292	197477664	35371	+
## 2906	1	197329003	197344281	15277	+
## 2907	1	197344476	197347340	2863	+
## 2908	1	197347479	197356831	9351	+
## 2909	1	197421956	197435600	13643	+
## 2910	1	197201588	197302440	100851	+
## 2911	1	197302471	197304371	1899	+
## 2912	1	197304413	197328422	24008	+
## 2913	1	197428001	197428974	972	+
## 2914	1	197429108	197429449	340	+
## 2915	1	197442534	197477664	35129	+
## 2916	1	197421541	197421750	208	+
## 2917	1	197546773	197595208	48434	-

## 2918	1	198808243	198900411	92167	-
## 2919	1	200042965	200043774	808	+
## 2920	1	200027911	200043774	15862	+
## 2921	1	200027911	200039658	11746	+
## 2922	1	200409452	200409561	108	-
## 2923	1	200929064	200929890	825	+
## 2924	1	200929978	200932269	2290	+
## 2925	1	200932418	200937180	4761	+
## 2926	1	200937331	200948092	10760	+
## 2927	1	200948236	200948697	460	+
## 2928	1	200948872	200949524	651	+
## 2929	1	200949661	200949759	97	+
## 2930	1	200949874	200957299	7424	+
## 2931	1	200957439	200957707	267	+
## 2932	1	200957826	200958023	196	+
## 2933	1	200958199	200958829	629	+
## 2934	1	200959038	200960332	1293	+
## 2935	1	200960433	200965031	4597	+
## 2936	1	200965133	200965710	576	+
## 2937	1	200965769	200966385	615	+
## 2938	1	200669622	200690309	20686	+
## 2939	1	200690430	200693753	3322	+
## 2940	1	201190907	201193247	2339	+
## 2941	1	201193300	201194154	853	+
## 2942	1	201194273	201195839	1565	+
## 2943	1	201195978	201197218	1239	+
## 2944	1	201197317	201199334	2016	+
## 2945	1	201199378	201199609	230	+
## 2946	1	201199654	201200237	582	+
## 2947	1	201200411	201201719	1307	+
## 2948	1	201201832	201203738	1905	+
## 2949	1	201203906	201205082	1175	+
## 2950	1	201205354	201206083	728	+
## 2951	1	201213621	201214177	555	+
## 2952	1	201214301	201215013	711	+
## 2953	1	201215154	201215539	384	+
## 2954	1	201215838	201216454	615	+
## 2955	1	201216753	201217287	533	+
## 2956	1	201217460	201218530	1069	+
## 2957	1	201218658	201221444	2785	+
## 2958	1	201221746	201222739	992	+
## 2959	1	201222827	201224679	1851	+
## 2960	1	201224874	201225824	949	+
## 2961	1	201226123	201226882	758	+
## 2962	1	201227208	201228386	1177	+
## 2963	1	200815644	200828573	12928	+
## 2964	1	200828605	200832200	3594	+
## 2965	1	201040082	201040231	148	-
## 2966	1	201040374	201040622	247	-
## 2967	1	201040713	201041504	790	-
## 2968	1	201041589	201043281	1691	-
## 2969	1	201043531	201044328	796	-
## 2970	1	201044456	201047115	2658	-
## 2971	1	201047239	201047525	285	-

## 2972	1	201047626	201048582	955	-
## 2973	1	201048684	201049003	318	-
## 2974	1	201049099	201050389	1289	-
## 2975	1	201050516	201050984	467	-
## 2976	1	201051143	201052557	1413	-
## 2977	1	201052648	201053209	560	-
## 2978	1	201053274	201053459	184	-
## 2979	1	201053587	201054505	917	-
## 2980	1	201054561	201058408	3846	-
## 2981	1	201058491	201059189	697	-
## 2982	1	201059299	201060658	1358	-
## 2983	1	201060816	201061267	450	-
## 2984	1	201061468	201061944	475	-
## 2985	1	201062090	201062462	371	-
## 2986	1	201062514	201065838	3323	-
## 2987	1	201065945	201066229	283	-
## 2988	1	201066316	201066887	570	-
## 2989	1	201066993	201069137	2143	-
## 2990	1	201069196	201069472	275	-
## 2991	1	201069601	201070272	670	-
## 2992	1	201070404	201072755	2350	-
## 2993	1	201072824	201073549	724	-
## 2994	1	201073642	201074506	863	-
## 2995	1	201074620	201075495	874	-
## 2996	1	201075615	201076920	1304	-
## 2997	1	201077127	201077879	751	-
## 2998	1	201078104	201083162	5057	-
## 2999	1	201083322	201084950	1627	-
## 3000	1	201085031	201085436	404	-
## 3001	1	201085581	201087826	2244	-
## 3002	1	201087929	201089258	1328	-
## 3003	1	201089463	201091640	2176	-
## 3004	1	201091792	201091972	179	-
## 3005	1	201092114	201093882	1767	-
## 3006	1	201094021	201110164	16142	-
## 3007	1	201110269	201112188	1918	-
## 3008	1	201206134	201213506	7371	+
## 3009	1	200844869	200847258	2388	+
## 3010	1	201803716	201804061	344	+
## 3011	1	201804065	201807951	3885	+
## 3012	1	201688413	201817227	128813	-
## 3013	1	201817301	201828951	11649	-
## 3014	1	202214237	202225423	11185	+
## 3015	1	202235993	202297508	61514	+
## 3016	1	203127928	203128278	349	+
## 3017	1	203128432	203128785	352	+
## 3018	1	203129182	203165261	36078	+
## 3019	1	203127928	203128785	856	+
## 3020	1	203129182	203165056	35873	+
## 3021	1	203026629	203038610	11980	+
## 3022	1	203039242	203043397	4154	+
## 3023	1	203044095	203044379	283	+
## 3024	1	203044453	203044696	242	+
## 3025	1	203045987	203046248	260	+

## 3026	1	203046382	203048227	1844	+
## 3027	1	203048310	203048583	272	+
## 3028	1	203048714	203048918	203	+
## 3029	1	203048980	203049676	695	+
## 3030	1	203049767	203051769	2001	+
## 3031	1	203051877	203053753	1875	+
## 3032	1	203055672	203056120	447	+
## 3033	1	203056155	203056375	219	+
## 3034	1	203056508	203056784	275	+
## 3035	1	203056950	203059178	2227	+
## 3036	1	203059271	203059770	498	+
## 3037	1	203061032	203061652	619	+
## 3038	1	203061678	203063828	2149	+
## 3039	1	203075757	203076341	583	+
## 3040	1	203129257	203165261	36003	+
## 3041	1	202925207	202928481	3273	-
## 3042	1	202603118	202604455	1336	-
## 3043	1	202604621	202605595	973	-
## 3044	1	202605789	202643278	37488	-
## 3045	1	202463097	202488533	25435	+
## 3046	1	202569197	202575002	5804	+
## 3047	1	202575182	202580474	5291	+
## 3048	1	202605789	202710258	104468	-
## 3049	1	204261448	204264942	3493	-
## 3050	1	203801628	203802652	1023	+
## 3051	1	203801639	203802652	1012	+
## 3052	1	203796607	203801575	4967	+
## 3053	1	203795794	203802569	6774	+
## 3054	1	203795794	203802957	7162	+
## 3055	1	203795794	203802652	6857	+
## 3056	1	203801628	203802293	664	+
## 3057	1	203802326	203802957	630	+
## 3058	1	203795775	203802569	6793	+
## 3059	1	204828782	204920632	91849	+
## 3060	1	204920740	204944226	23485	+
## 3061	1	204944406	204950557	6150	+
## 3062	1	204950574	204952011	1436	+
## 3063	1	204952116	204954188	2071	+
## 3064	1	204954384	204954829	444	+
## 3065	1	204954951	204957656	2704	+
## 3066	1	204957826	204968249	10422	+
## 3067	1	204968360	204968798	437	+
## 3068	1	204968982	204970616	1633	+
## 3069	1	204970747	204973276	2528	+
## 3070	1	204973419	204974179	759	+
## 3071	1	204974290	204974657	366	+
## 3072	1	204974823	204975271	447	+
## 3073	1	204975418	204976671	1252	+
## 3074	1	204968969	204970616	1646	+
## 3075	1	205246691	205268950	22258	+
## 3076	1	204976795	204977681	885	+
## 3077	1	204977725	204978968	1242	+
## 3078	1	204979069	204979362	292	+
## 3079	1	204979559	204980370	810	+

## 3080	1	204980440	204981798	1357	+
## 3081	1	204982020	204987418	5397	+
## 3082	1	204987540	204988633	1092	+
## 3083	1	204988806	204991292	2485	+
## 3084	1	204991306	204997170	5863	+
## 3085	1	204997406	205001170	3763	+
## 3086	1	205001286	205002596	1309	+
## 3087	1	205002748	205009557	6808	+
## 3088	1	205009688	205012797	3108	+
## 3089	1	205012866	205016308	3441	+
## 3090	1	205257366	205268950	11583	+
## 3091	1	204944406	204952011	7604	+
## 3092	1	204957826	204962108	4281	+
## 3093	1	204962158	204968249	6090	+
## 3094	1	204976795	204978968	2172	+
## 3095	1	204982020	204984027	2006	+
## 3096	1	204984142	204985910	1767	+
## 3097	1	204986114	204987418	1303	+
## 3098	1	204988806	205009557	20750	+
## 3099	1	205381856	205420455	38598	-
## 3100	1	205420574	205421990	1415	-
## 3101	1	205230169	205240732	10562	+
## 3102	1	205240920	205241505	584	+
## 3103	1	204991306	205009557	18250	+
## 3104	1	205381856	205384288	2431	-
## 3105	1	205384364	205416232	31867	-
## 3106	1	205416296	205420455	4158	-
## 3107	1	205416296	205419230	2933	-
## 3108	1	205419352	205420455	1102	-
## 3109	1	205384364	205420455	36090	-
## 3110	1	205229128	205241505	12376	+
## 3111	1	205381856	205419230	37373	-
## 3112	1	205928049	205928827	777	-
## 3113	1	205928909	205929204	294	-
## 3114	1	205930056	205931860	1803	-
## 3115	1	205932035	205932702	666	-
## 3116	1	205932812	205932945	132	-
## 3117	1	205933084	205935696	2611	-
## 3118	1	205935838	205943365	7526	-
## 3119	1	205915183	205915361	177	-
## 3120	1	207473179	207473545	365	+
## 3121	1	207473721	207473801	79	+
## 3122	1	207339417	207347447	8029	+
## 3123	1	206958676	206959679	1002	-
## 3124	1	206959797	206962213	2415	-
## 3125	1	206962551	206965715	3163	-
## 3126	1	206965858	206967052	1193	-
## 3127	1	206967112	206967583	470	-
## 3128	1	206967651	206970087	2435	-
## 3129	1	206970220	206970304	83	-
## 3130	1	207088946	207089482	535	+
## 3131	1	207089589	207090311	721	+
## 3132	1	207090481	207091644	1162	+
## 3133	1	207091820	207096522	4701	+

## 3134	1	207096615	207098150	1534	+
## 3135	1	207098264	207099789	1524	+
## 3136	1	207089589	207090308	718	+
## 3137	1	207350222	207359546	9323	+
## 3138	1	206959797	206960422	624	-
## 3139	1	206961223	206962213	989	-
## 3140	1	206771078	206798861	27782	+
## 3141	1	206799006	206836661	37654	+
## 3142	1	206836806	206836958	151	+
## 3143	1	206837023	206839850	2826	+
## 3144	1	206840002	206841004	1001	+
## 3145	1	207089361	207089482	120	+
## 3146	1	206829126	206833714	4587	+
## 3147	1	206834400	206836661	2260	+
## 3148	1	207339417	207354007	14589	+
## 3149	1	207354099	207359546	5446	+
## 3150	1	209583772	209594955	11182	+
## 3151	1	209595075	209599983	4907	+
## 3152	1	209600111	209603214	3102	+
## 3153	1	209603288	209605536	2247	+
## 3154	1	209605674	209606320	645	+
## 3155	1	209606443	209607858	1414	+
## 3156	1	209607933	209608980	1046	+
## 3157	1	209609092	209609851	758	+
## 3158	1	209609929	209611465	1535	+
## 3159	1	209611552	209611792	239	+
## 3160	1	209612216	209612785	568	+
## 3161	1	209612912	209613040	127	+
## 3162	1	210237468	210237944	475	+
## 3163	1	210238135	210239493	1357	+
## 3164	1	210239608	210241558	1949	+
## 3165	1	209938277	209952709	14431	+
## 3166	1	209952756	209953055	298	+
## 3167	1	209953259	210013633	60373	+
## 3168	1	210013797	210021039	7241	+
## 3169	1	210021254	210094322	73067	+
## 3170	1	210094593	210100012	5418	+
## 3171	1	210100461	210155721	55259	+
## 3172	1	210155910	210160729	4818	+
## 3173	1	209952756	209965893	13136	+
## 3174	1	209966013	210013633	47619	+
## 3175	1	210329104	210362852	33747	+
## 3176	1	210387581	210404464	16882	+
## 3177	1	210329483	210348933	19449	+
## 3178	1	210328384	210348933	20548	+
## 3179	1	210100190	210155721	55530	+
## 3180	1	210233011	210237944	4932	+
## 3181	1	210239608	210245800	6191	+
## 3182	1	210245927	210246572	644	+
## 3183	1	210387581	210418154	30572	+
## 3184	1	209952756	210013633	60876	+
## 3185	1	210155910	210159421	3510	+
## 3186	1	210159477	210160729	1251	+
## 3187	1	211675866	211677067	1200	+

## 3188	1	211677154	211685566	8411	+
## 3189	1	211685806	211686470	663	+
## 3190	1	212020268	212020721	452	-
## 3191	1	212565483	212615018	49534	+
## 3192	1	211946645	211952569	5923	-
## 3193	1	212017023	212021083	4059	-
## 3194	1	212738686	212784363	45676	-
## 3195	1	212302092	212329135	27042	+
## 3196	1	213071041	213072870	1828	+
## 3197	1	213104569	213167858	63288	+
## 3198	1	213176492	213205239	28746	+
## 3199	1	213088030	213104454	16423	+
## 3200	1	213167973	213240702	72728	+
## 3201	1	213117410	213124654	7243	+
## 3202	1	213124774	213125766	991	+
## 3203	1	213104569	213129527	24957	+
## 3204	1	213176492	213198579	22086	+
## 3205	1	213198658	213205239	6580	+
## 3206	1	213117410	213124704	7293	+
## 3207	1	213988721	213996469	7747	+
## 3208	1	213998260	214005165	6904	+
## 3209	1	214005272	214011521	6248	+
## 3210	1	214011715	214035649	23933	+
## 3211	1	213988483	213996469	7985	+
## 3212	1	215083431	215086368	2936	+
## 3213	1	215086678	215124633	37954	+
## 3214	1	215124750	215169199	44448	+
## 3215	1	215169359	215171997	2637	+
## 3216	1	215172183	215194953	22769	+
## 3217	1	215195092	215234828	39735	+
## 3218	1	215005955	215086368	80412	+
## 3219	1	215083307	215086368	3060	+
## 3220	1	216677491	216714516	37024	-
## 3221	1	216714634	216715074	439	-
## 3222	1	216715249	216723240	7990	-
## 3223	1	216564401	216567988	3586	-
## 3224	1	216677491	216707359	29867	-
## 3225	1	216707486	216723244	15757	-
## 3226	1	216677491	216723244	45752	-
## 3227	1	216865178	216936662	71483	-
## 3228	1	216936699	216939582	2882	-
## 3229	1	216715249	216723244	7994	-
## 3230	1	216677491	216804943	127451	-
## 3231	1	216677491	216715074	37582	-
## 3232	1	216715249	216939582	224332	-
## 3233	1	217651178	217669033	17854	+
## 3234	1	217782322	217801718	19395	+
## 3235	1	218437648	218437693	44	+
## 3236	1	218437697	218589113	151415	+
## 3237	1	218589122	218683733	94610	+
## 3238	1	218683744	218787123	103378	+
## 3239	1	218787133	218807180	20046	+
## 3240	1	218807187	219108087	300899	+
## 3241	1	218347047	218363334	16286	+

## 3242	1	218363417	218405169	41751	+
## 3243	1	218405332	218434082	28749	+
## 3244	1	218434214	218434338	123	+
## 3245	1	218434448	218435970	1521	+
## 3246	1	218436147	218437343	1195	+
## 3247	1	218437496	218441204	3707	+
## 3248	1	218347047	218405169	58121	+
## 3249	1	218434448	218436085	1636	+
## 3250	1	219435413	219437056	1642	-
## 3251	1	219437173	219469665	32491	-
## 3252	1	219469843	219557191	87347	-
## 3253	1	219915948	219918255	2306	-
## 3254	1	219918494	219927028	8533	-
## 3255	1	219927105	219958568	31462	-
## 3256	1	220074071	220089644	15572	-
## 3257	1	220598379	220604067	5687	+
## 3258	1	220653352	220661812	8459	+
## 3259	1	220652150	220653098	947	+
## 3260	1	222815078	222827428	12349	+
## 3261	1	222815078	222928430	113351	+
## 3262	1	222928570	222942807	14236	+
## 3263	1	222823945	222824202	256	+
## 3264	1	222824339	222827428	3088	+
## 3265	1	222815078	222823856	8777	+
## 3266	1	222815171	222899781	84609	+
## 3267	1	222991647	222991855	207	+
## 3268	1	222815171	222942807	127635	+
## 3269	1	222687658	222693789	6130	-
## 3270	1	222693843	222694210	366	-
## 3271	1	222694263	222703148	8884	-
## 3272	1	222703217	222712208	8990	-
## 3273	1	222899865	222928430	28564	+
## 3274	1	222579872	222588443	8570	-
## 3275	1	222823945	222826406	2460	+
## 3276	1	222826523	222835119	8595	+
## 3277	1	222815078	222823897	8818	+
## 3278	1	222823945	222830929	6983	+
## 3279	1	222831042	222835119	4076	+
## 3280	1	222827601	222830929	3327	+
## 3281	1	222827601	222831105	3503	+
## 3282	1	222831232	222835119	3886	+
## 3283	1	222835215	222836972	1756	+
## 3284	1	222837066	222837158	91	+
## 3285	1	222823945	222827430	3484	+
## 3286	1	222835191	222836996	1804	+
## 3287	1	222815171	222823856	8684	+
## 3288	1	222815171	222827428	12256	+
## 3289	1	222815455	222823884	8428	+
## 3290	1	222815455	222835119	19663	+
## 3291	1	224305166	224311800	6633	-
## 3292	1	223701831	223717762	15930	+
## 3293	1	224305166	224317694	12527	-
## 3294	1	223541859	223543108	1248	-
## 3295	1	223543166	223544067	900	-

## 3296	1	223544183	223544772	588	-
## 3297	1	223544850	223545231	380	-
## 3298	1	223545299	223549318	4018	-
## 3299	1	223549382	223550960	1577	-
## 3300	1	223551017	223553832	2814	-
## 3301	1	223553900	223558131	4230	-
## 3302	1	223558167	223609153	50985	-
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## 3304	1	223612257	223615970	3712	-
## 3305	1	223616145	223619293	3147	-
## 3306	1	223619453	223620192	738	-
## 3307	1	223620266	223622815	2548	-
## 3308	1	223622900	223625805	2904	-
## 3309	1	223625888	223626989	1100	-
## 3310	1	223627157	223628009	851	-
## 3311	1	223628142	223628662	519	-
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## 3313	1	223654399	223665410	11010	-
## 3314	1	224003654	224028824	25169	+
## 3315	1	224029127	224029681	553	+
## 3316	1	224029871	224031240	1368	+
## 3317	1	223996094	224002522	6427	+
## 3318	1	224003654	224007294	3639	+
## 3319	1	224007417	224009320	1902	+
## 3320	1	224681026	224730462	49435	+
## 3321	1	224515884	224680958	165073	+
## 3322	1	224434862	224566199	131336	+
## 3323	1	224566264	224680958	114693	+
## 3324	1	224515876	224566199	50322	+
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## 3326	1	224435187	224454278	19090	+
## 3327	1	224454343	224515741	61397	+
## 3328	1	224435187	224451871	16683	+
## 3329	1	224435187	224566199	131011	+
## 3330	1	225043983	225050210	6226	+
## 3331	1	225050376	225051451	1074	+
## 3332	1	225051795	225079207	27411	+
## 3333	1	225097239	225100713	3473	+
## 3334	1	225100884	225117684	16799	+
## 3335	1	225123614	225140768	17153	+
## 3336	1	225141021	225144397	3375	+
## 3337	1	225145379	225147104	1724	+
## 3338	1	225159485	225167939	8453	+
## 3339	1	225185425	225192696	7270	+
## 3340	1	225192911	225204183	11271	+
## 3341	1	225204273	225205971	1697	+
## 3342	1	225206179	225206968	788	+
## 3343	1	225207220	225231073	23852	+
## 3344	1	225270866	225271906	1039	+
## 3345	1	225276081	225277410	1328	+
## 3346	1	225277502	225289885	12382	+
## 3347	1	225290082	225300869	10786	+
## 3348	1	225301030	225303156	2125	+
## 3349	1	225303347	225304908	1560	+

## 3350	1	225331577	225333291	1713	+
## 3351	1	225333506	225337266	3759	+
## 3352	1	225337496	225338061	564	+
## 3353	1	225338182	225340457	2274	+
## 3354	1	225340701	225345962	5260	+
## 3355	1	225346380	225346456	75	+
## 3356	1	225346654	225351647	4992	+
## 3357	1	225351883	225353803	1919	+
## 3358	1	225353888	225358496	4607	+
## 3359	1	225360891	225364792	3900	+
## 3360	1	225364894	225367805	2910	+
## 3361	1	225368032	225374688	6655	+
## 3362	1	225380322	225381383	1060	+
## 3363	1	224435187	224546829	111641	+
## 3364	1	224546939	224566199	19259	+
## 3365	1	224684843	224734563	49719	+
## 3366	1	224566264	224583164	16899	+
## 3367	1	224583267	224680958	97690	+
## 3368	1	224454343	224680958	226614	+
## 3369	1	224435187	224680958	245770	+
## 3370	1	225831913	225842414	10500	+
## 3371	1	225839346	225839905	558	+
## 3372	1	225840037	225844498	4460	+
## 3373	1	225825544	225828725	3180	+
## 3374	1	225828885	225831779	2893	+
## 3375	1	225501070	225504991	3920	-
## 3376	1	225505053	225507951	2897	-
## 3377	1	225840037	225842414	2376	+
## 3378	1	225530638	225535507	4868	-
## 3379	1	225535563	225554906	19342	-
## 3380	1	225810169	225810412	242	+
## 3381	1	225831959	225842366	10406	+
## 3382	1	225831959	225839217	7257	+
## 3383	1	225824303	225828725	4421	+
## 3384	1	227040236	227069777	29540	-
## 3385	1	227048010	227059373	11362	-
## 3386	1	227059411	227069777	10365	-
## 3387	1	227059389	227072208	12818	-
## 3388	1	228208185	228211766	3580	+
## 3389	1	228212771	228213441	669	+
## 3390	1	228268805	228273770	4964	+
## 3391	1	228277313	228277754	440	+
## 3392	1	228295043	228306372	11328	+
## 3393	1	227922000	227924138	2137	-
## 3394	1	227925519	227947793	22273	-
## 3395	1	228256926	228259501	2574	+
## 3396	1	228259776	228264116	4339	+
## 3397	1	228377712	228377937	224	+
## 3398	1	228645032	228737673	92640	+
## 3399	1	230357321	230425598	68276	-
## 3400	1	230058078	230178218	120139	+
## 3401	1	231591800	231612003	20202	-
## 3402	1	231164013	231197371	33357	+
## 3403	1	231197466	231199047	1580	+

## 3404	1	231199169	231200148	978	+
## 3405	1	231200258	231201358	1099	+
## 3406	1	231201517	231203867	2349	+
## 3407	1	231204012	231206652	2639	+
## 3408	1	231206790	231208947	2156	+
## 3409	1	231209250	231213815	4564	+
## 3410	1	231213977	231215375	1397	+
## 3411	1	230933861	230943806	9944	-
## 3412	1	231163090	231163211	120	+
## 3413	1	231163719	231163786	66	+
## 3414	1	230933861	230945389	11527	-
## 3415	1	232515608	232574174	58565	-
## 3416	1	232574222	232629869	55646	-
## 3417	1	232574222	232630430	56207	-
## 3418	1	234214574	234231417	16842	+
## 3419	1	234309320	234316602	7281	+
## 3420	1	233905130	233905529	398	+
## 3421	1	233905758	234231417	325658	+
## 3422	1	235326968	235327160	191	-
## 3423	1	235414618	235419417	4798	+
## 3424	1	235430804	235432946	2141	+
## 3425	1	235433098	235434204	1105	+
## 3426	1	235135767	235136034	266	-
## 3427	1	235833667	235883187	49519	-
## 3428	1	236686799	236717858	31058	+
## 3429	1	236717972	236718894	921	+
## 3430	1	236719013	236720105	1091	+
## 3431	1	236720191	236725933	5741	+
## 3432	1	236726020	236727678	1657	+
## 3433	1	236727756	236731233	3476	+
## 3434	1	236731314	236734433	3118	+
## 3435	1	236734518	236735635	1116	+
## 3436	1	236735720	236736558	837	+
## 3437	1	236736668	236737122	453	+
## 3438	1	236737214	236739302	2087	+
## 3439	1	236739532	236742896	3363	+
## 3440	1	236743043	236744626	1582	+
## 3441	1	236744776	236747667	2890	+
## 3442	1	236747775	236749124	1348	+
## 3443	1	236749264	236751470	2205	+
## 3444	1	236751652	236753947	2294	+
## 3445	1	236754081	236755019	937	+
## 3446	1	236755198	236757486	2287	+
## 3447	1	236757632	236759724	2091	+
## 3448	1	236734518	236737122	2603	+
## 3449	1	236731314	236735635	4320	+
## 3450	1	236735720	236737122	1401	+
## 3451	1	237862205	237862400	194	+
## 3452	1	237862522	237867023	4500	+
## 3453	1	237867175	237882466	15290	+
## 3454	1	237882568	237903974	21405	+
## 3455	1	237904122	237905427	1304	+
## 3456	1	237905601	237905937	335	+
## 3457	1	237906110	237906947	836	+

## 3458	1	237907175	237916233	9057	+
## 3459	1	237916396	237920878	4481	+
## 3460	1	237921058	237921245	186	+
## 3461	1	237921316	237926749	5432	+
## 3462	1	237042569	237270497	227927	+
## 3463	1	237270616	237330878	60261	+
## 3464	1	237330982	237355965	24982	+
## 3465	1	237355985	237364358	8372	+
## 3466	1	237364372	237369534	5161	+
## 3467	1	237369608	237374717	5108	+
## 3468	1	237374795	237377323	2527	+
## 3469	1	237377435	237387281	9845	+
## 3470	1	237387380	237388087	706	+
## 3471	1	237388183	237417049	28865	+
## 3472	1	237417123	237423092	5968	+
## 3473	1	237423248	237441319	18070	+
## 3474	1	237441483	237445401	3917	+
## 3475	1	237445522	237454391	8868	+
## 3476	1	237454574	237456600	2025	+
## 3477	1	237456735	237469092	12356	+
## 3478	1	237469187	237491806	22618	+
## 3479	1	237496752	237500711	3958	+
## 3480	1	237500903	237503289	2385	+
## 3481	1	237503505	237506710	3204	+
## 3482	1	237506814	237511688	4873	+
## 3483	1	237511791	237530427	18635	+
## 3484	1	237530510	237548431	17920	+
## 3485	1	237548590	237550544	1953	+
## 3486	1	237550691	237566567	15875	+
## 3487	1	237566775	237569145	2369	+
## 3488	1	237569319	237589793	20473	+
## 3489	1	237590001	237590640	638	+
## 3490	1	237590992	237591739	746	+
## 3491	1	237591853	237593476	1622	+
## 3492	1	237593636	237595498	1861	+
## 3493	1	237595657	237602025	6367	+
## 3494	1	237602111	237610762	8650	+
## 3495	1	237610988	237614039	3050	+
## 3496	1	237614843	237617286	2442	+
## 3497	1	237617486	237623765	6278	+
## 3498	1	237623870	237625661	1790	+
## 3499	1	237625804	237627807	2002	+
## 3500	1	237628080	237631427	3346	+
## 3501	1	237631541	237633578	2036	+
## 3502	1	237633710	237634889	1178	+
## 3503	1	237639201	237640897	1695	+
## 3504	1	237641002	237643327	2324	+
## 3505	1	237654414	237655821	1406	+
## 3506	1	237655984	237657944	1959	+
## 3507	1	237660074	237660810	735	+
## 3508	1	237660947	237666512	5564	+
## 3509	1	237666589	237667883	1293	+
## 3510	1	237667958	237674096	6137	+
## 3511	1	237674846	237678048	3201	+

## 3512	1	237678112	237680456	2343	+
## 3513	1	237680577	237687455	6877	+
## 3514	1	237687504	237698965	11460	+
## 3515	1	237700467	237701978	1510	+
## 3516	1	237707269	237708858	1588	+
## 3517	1	237709098	237709480	381	+
## 3518	1	237711837	237717198	5360	+
## 3519	1	237717368	237718462	1093	+
## 3520	1	237723262	237726273	3010	+
## 3521	1	237726308	237727087	778	+
## 3522	1	237727199	237730260	3060	+
## 3523	1	237730356	237732046	1689	+
## 3524	1	237732149	237733705	1555	+
## 3525	1	237742349	237756288	13938	+
## 3526	1	237756387	237757697	1309	+
## 3527	1	237757776	237759776	1999	+
## 3528	1	237761028	237770807	9778	+
## 3529	1	237770887	237772012	1124	+
## 3530	1	237772100	237773520	1419	+
## 3531	1	237795331	237798037	2705	+
## 3532	1	239629539	239632224	2684	+
## 3533	1	239718899	239827252	108352	+
## 3534	1	239545753	239632224	86470	+
## 3535	1	239678288	239826853	148564	+
## 3536	1	239827081	239827252	170	+
## 3537	1	239718899	239826853	107953	+
## 3538	1	239827378	239886089	58710	+
## 3539	1	240493476	240611884	118407	-
## 3540	1	241652629	241660530	7900	+
## 3541	1	241660660	241671074	10413	+
## 3542	1	241671176	241674644	3467	+
## 3543	1	241674747	241678187	3439	+
## 3544	1	241678216	241679485	1268	+
## 3545	1	241679595	241683487	3891	+
## 3546	1	241683701	241687461	3759	+
## 3547	1	241687595	241711802	24206	+
## 3548	1	241711881	241723297	11415	+
## 3549	1	241723436	241738363	14926	+
## 3550	1	241738489	241741516	3026	+
## 3551	1	241741664	241744393	2728	+
## 3552	1	241744516	241749547	5030	+
## 3553	1	241749722	241757283	7560	+
## 3554	1	241757459	241766218	8758	+
## 3555	1	241766351	241769404	3052	+
## 3556	1	241769505	241770621	1115	+
## 3557	1	241770690	241771661	970	+
## 3558	1	241771697	241772792	1094	+
## 3559	1	241772931	241775105	2173	+
## 3560	1	241775210	241780004	4793	+
## 3561	1	241780062	241783272	3209	+
## 3562	1	241783381	241787849	4467	+
## 3563	1	241788034	241790591	2556	+
## 3564	1	241790696	241795207	4510	+
## 3565	1	241795287	241796257	969	+

## 3566	1	241796370	241801132	4761	+
## 3567	1	243200833	243211884	11050	-
## 3568	1	243488450	243499737	11286	-
## 3569	1	243499786	243512324	12537	-
## 3570	1	243843282	243851049	7766	-
## 3571	1	243843282	243843544	261	-
## 3572	1	243917526	243978410	60883	+
## 3573	1	243978519	244003383	24863	+
## 3574	1	244003500	244005058	1557	+
## 3575	1	244005158	244010021	4862	+
## 3576	1	244010092	244010697	604	+
## 3577	1	244010920	244024966	14045	+
## 3578	1	244025069	244027236	2166	+
## 3579	1	244027434	244041427	13992	+
## 3580	1	244041555	244043423	1867	+
## 3581	1	244043549	244045228	1678	+
## 3582	1	244045291	244046892	1600	+
## 3583	1	244051444	244053788	2343	+
## 3584	1	244461494	244463908	2413	+
## 3585	1	244479784	244490447	10662	+
## 3586	1	244499079	244518592	19512	+
## 3587	1	244583939	244588482	4542	+
## 3588	1	244842058	244842199	140	+
## 3589	1	244411427	244415981	4553	-
## 3590	1	244835736	244842199	6462	+
## 3591	1	244461494	244477541	16046	+
## 3592	1	244479784	244518592	38807	+
## 3593	1	245929937	245988394	58456	-
## 3594	1	246355094	246355424	329	-
## 3595	1	247038424	247038810	385	-
## 3596	1	246967792	246979840	12047	-
## 3597	1	246980004	246988121	8116	-
## 3598	1	247000074	247078594	78519	-
## 3599	1	247332481	247374007	41525	+
## 3600	1	247374143	247374657	513	+
## 3601	1	247332364	247365230	32865	+
## 3602	1	247365283	247374007	8723	+
## 3603	1	247333246	247374007	40760	+
## 3604	1	247332481	247332728	246	+
## 3605	1	247332960	247333135	174	+
## 3606	1	247724062	247733283	9220	-
## 3607	1	247733383	247734186	802	-
## 3608	1	247734425	247735484	1058	-
## 3609	1	247735556	247747871	12314	-
## 3610	1	247937384	248099358	161973	+
## 3611	1	247937384	248098651	161266	+
## 3612	1	35174	35277	102	-
## 3613	1	35481	35721	239	-
## 3614	1	12227	12613	385	+
## 3615	1	12721	13221	499	+
## 3616	1	139696	139790	93	-
## 3617	1	205690	205793	102	-
## 3618	1	205995	206237	241	-
## 3619	1	183240	183740	499	+

## 3620	1	627823	627961	137	-
## 3621	1	628223	628919	695	-
## 3622	1	735613	738834	3220	-
## 3623	1	744391	749238	4846	-
## 3624	1	756141	758967	2825	-
## 3625	1	818202	818723	520	+
## 3626	1	868675	874112	5436	-
## 3627	1	875155	876746	1590	-
## 3628	1	827849	829003	1153	+
## 3629	1	829104	852671	23566	+
## 3630	1	971006	971113	106	+
## 3631	1	976269	976499	229	-
## 3632	1	976624	978881	2256	-
## 3633	1	980657	981137	479	-
## 3634	1	981173	982065	891	-
## 3635	1	925800	925922	121	+
## 3636	1	981173	981970	796	-
## 3637	1	976558	978881	2322	-
## 3638	1	973010	973500	489	+
## 3639	1	981047	982065	1017	-
## 3640	1	922509	922672	162	-
## 3641	1	922735	923013	277	-
## 3642	1	923143	923275	131	-
## 3643	1	923461	925518	2056	-
## 3644	1	960800	961293	492	+
## 3645	1	1059846	1060280	433	+
## 3646	1	1137110	1140825	3714	+
## 3647	1	1141032	1142739	1706	+
## 3648	1	1092103	1115022	22918	-
## 3649	1	1115075	1116060	984	-
## 3650	1	1065833	1066466	632	-
## 3651	1	1066598	1066746	147	-
## 3652	1	1066798	1067798	999	-
## 3653	1	1068040	1068561	520	-
## 3654	1	1065833	1068561	2727	-
## 3655	1	1072575	1074016	1440	-
## 3656	1	1243152	1243444	291	-
## 3657	1	1243552	1243954	401	-
## 3658	1	1244105	1244191	85	-
## 3659	1	1244497	1246514	2016	-
## 3660	1	1179853	1180034	180	+
## 3661	1	1264830	1267862	3031	-
## 3662	1	1203960	1204399	438	-
## 3663	1	1430662	1434178	3515	-
## 3664	1	1430662	1434188	3525	-
## 3665	1	1420592	1420797	204	-
## 3666	1	1421005	1421133	127	-
## 3667	1	1315618	1320996	5377	-
## 3668	1	1331536	1331638	101	+
## 3669	1	1391575	1392790	1214	-
## 3670	1	1321093	1321908	814	-
## 3671	1	1321984	1322892	907	-
## 3672	1	1390865	1392790	1924	-
## 3673	1	1419549	1420816	1266	-

## 3674	1	1419549	1420797	1247	-
## 3675	1	1353332	1353848	515	-
## 3676	1	1353946	1354030	83	-
## 3677	1	1355345	1356681	1335	-
## 3678	1	1356704	1361242	4537	-
## 3679	1	1358547	1363517	4969	-
## 3680	1	1388743	1388950	206	-
## 3681	1	1315614	1323177	7562	-
## 3682	1	1321093	1323181	2087	-
## 3683	1	1535507	1535589	81	-
## 3684	1	1535797	1539684	3886	-
## 3685	1	1539790	1540290	499	-
## 3686	1	1450758	1452046	1287	+
## 3687	1	1452122	1452365	242	+
## 3688	1	1454500	1455460	959	+
## 3689	1	1459231	1460750	1518	+
## 3690	1	1512690	1516012	3321	+
## 3691	1	1516088	1517167	1078	+
## 3692	1	1599616	1600657	1040	+
## 3693	1	1600706	1606873	6166	+
## 3694	1	1632913	1633188	274	+
## 3695	1	1634328	1634451	122	+
## 3696	1	1700072	1700347	274	+
## 3697	1	1701487	1701608	120	+
## 3698	1	1632374	1632783	408	+
## 3699	1	1642001	1649499	7497	-
## 3700	1	1616614	1617078	463	+
## 3701	1	1756657	1757107	449	-
## 3702	1	1757310	1759101	1790	-
## 3703	1	1759243	1759734	490	-
## 3704	1	1759902	1761952	2049	-
## 3705	1	1757310	1758365	1054	-
## 3706	1	1915307	1916441	1133	+
## 3707	1	1891383	1892028	644	+
## 3708	1	1915307	1915685	377	+
## 3709	1	1915735	1916441	705	+
## 3710	1	1891383	1891900	516	+
## 3711	1	1918431	1918893	461	-
## 3712	1	1918934	1919045	110	-
## 3713	1	1919088	1919182	93	-
## 3714	1	2049468	2049598	129	-
## 3715	1	2049666	2049868	201	-
## 3716	1	2019491	2024942	5450	+
## 3717	1	2182741	2183571	829	-
## 3718	1	2189781	2192647	2865	-
## 3719	1	2193910	2194688	777	-
## 3720	1	2104895	2135262	30366	+
## 3721	1	2198142	2201050	2907	-
## 3722	1	2201225	2203436	2210	-
## 3723	1	2203630	2206305	2674	-
## 3724	1	2206424	2206515	90	-
## 3725	1	2206667	2207556	888	-
## 3726	1	2187206	2189713	2506	-
## 3727	1	2194133	2198007	3873	-

## 3728	1	2201225	2203564	2338	-
## 3729	1	2203630	2212372	8741	-
## 3730	1	2212458	2212549	90	-
## 3731	1	2406955	2408452	1496	-
## 3732	1	2410451	2413597	3145	-
## 3733	1	2378980	2379109	128	-
## 3734	1	2379227	2384978	5750	-
## 3735	1	2550274	2550573	298	-
## 3736	1	2550731	2550992	260	-
## 3737	1	2552703	2553626	922	-
## 3738	1	2553814	2554101	286	-
## 3739	1	2554296	2554724	427	-
## 3740	1	2556696	2556977	280	-
## 3741	1	2566605	2581560	14954	+
## 3742	1	2581650	2583370	1719	+
## 3743	1	2583495	2584125	629	+
## 3744	1	2586591	2587091	499	+
## 3745	1	2587792	2588336	543	+
## 3746	1	2588453	2588957	503	+
## 3747	1	2588453	2588530	76	+
## 3748	1	2588453	2588954	500	+
## 3749	1	2529749	2529846	96	-
## 3750	1	2530011	2530111	99	-
## 3751	1	2560714	2562865	2150	+
## 3752	1	3064055	3064212	156	-
## 3753	1	3454811	3463066	8254	+
## 3754	1	3463672	3466148	2475	+
## 3755	1	3466193	3467168	974	+
## 3756	1	3467337	3468880	1542	+
## 3757	1	3469593	3473078	3484	+
## 3758	1	3473230	3473393	162	+
## 3759	1	3473522	3474708	1185	+
## 3760	1	3474782	3475970	1187	+
## 3761	1	3476062	3477875	1812	+
## 3762	1	3478026	3478424	397	+
## 3763	1	3478612	3479517	904	+
## 3764	1	3479590	3479812	221	+
## 3765	1	3479913	3480448	534	+
## 3766	1	3690944	3707549	16604	+
## 3767	1	3737854	3740233	2378	-
## 3768	1	3698151	3707549	9397	+
## 3769	1	3772841	3775299	2457	+
## 3770	1	3772788	3775299	2510	+
## 3771	1	3756890	3761281	4390	+
## 3772	1	3761430	3762620	1189	+
## 3773	1	3762712	3763108	395	+
## 3774	1	3763474	3763706	231	+
## 3775	1	3763836	3766535	2698	+
## 3776	1	3766612	3767233	620	+
## 3777	1	3767445	3769783	2337	+
## 3778	1	3769887	3771401	1513	+
## 3779	1	3746181	3746287	105	-
## 3780	1	3739335	3739372	36	-
## 3781	1	3739407	3739836	428	-

## 3782	1	3900631	3903965	3333	+
## 3783	1	3904036	3913692	9655	+
## 3784	1	3914290	3914395	104	+
## 3785	1	3858844	3865643	6798	+
## 3786	1	3858844	3865762	6917	+
## 3787	1	3858866	3865812	6945	+
## 3788	1	3858844	3860420	1575	+
## 3789	1	3860506	3865812	5305	+
## 3790	1	3858866	3865762	6895	+
## 3791	1	3866398	3867974	1575	+
## 3792	1	3940698	3940994	295	+
## 3793	1	3941143	3952253	11109	+
## 3794	1	3947328	3947957	628	-
## 3795	1	3948595	3948863	267	-
## 3796	1	4412632	4415553	2920	+
## 3797	1	4415587	4416312	724	+
## 3798	1	4416548	4422760	6211	+
## 3799	1	4423187	4423348	160	+
## 3800	1	4423448	4423994	545	+
## 3801	1	4571629	4572470	840	+
## 3802	1	4572592	4582277	9684	+
## 3803	1	4582574	4583083	508	+
## 3804	1	4583178	4583339	160	+
## 3805	1	6046183	6051511	5327	+
## 3806	1	6034794	6040517	5722	+
## 3807	1	6046183	6072755	26571	+
## 3808	1	6236336	6236966	629	+
## 3809	1	6237150	6237245	94	+
## 3810	1	6237345	6237814	468	+
## 3811	1	6237848	6238221	372	+
## 3812	1	6244241	6244351	109	+
## 3813	1	6244446	6244548	101	+
## 3814	1	6244629	6245110	480	+
## 3815	1	6204982	6205206	223	-
## 3816	1	6205413	6205754	340	-
## 3817	1	6206302	6206536	233	+
## 3818	1	6206726	6207379	652	+
## 3819	1	6207511	6208881	1369	+
## 3820	1	6212733	6213066	332	+
## 3821	1	6419153	6419241	87	-
## 3822	1	6419340	6419607	266	-
## 3823	1	6419702	6419776	73	-
## 3824	1	6477658	6491637	13978	-
## 3825	1	6477658	6485324	7665	-
## 3826	1	6496569	6496959	389	-
## 3827	1	6462970	6463065	94	-
## 3828	1	6463147	6464375	1227	-
## 3829	1	6467898	6468099	200	-
## 3830	1	6496569	6519445	22875	-
## 3831	1	6477658	6485836	8177	-
## 3832	1	6449091	6450444	1352	+
## 3833	1	6450470	6451603	1132	+
## 3834	1	6462663	6465440	2776	-
## 3835	1	6462663	6463072	408	-

## 3836	1	6555564	6570909	15344	+
## 3837	1	6571215	6576415	5199	+
## 3838	1	6576627	6576950	322	+
## 3839	1	6577070	6578653	1582	+
## 3840	1	6571215	6574631	3415	+
## 3841	1	6575392	6576415	1022	+
## 3842	1	6624954	6625150	195	+
## 3843	1	6630353	6632370	2016	+
## 3844	1	6632495	6634020	1524	+
## 3845	1	6784045	6784149	103	-
## 3846	1	6784223	6784658	434	-
## 3847	1	6724850	6729720	4869	+
## 3848	1	6727612	6729720	2107	+
## 3849	1	7388437	7389340	902	-
## 3850	1	7389439	7389659	219	-
## 3851	1	7388493	7389340	846	-
## 3852	1	7382723	7389340	6616	-
## 3853	1	7784468	7784654	185	+
## 3854	1	7829951	7830006	54	+
## 3855	1	7788246	7793960	5713	+
## 3856	1	7794008	7798461	4452	+
## 3857	1	8015692	8026158	10465	-
## 3858	1	8208873	8210487	1613	+
## 3859	1	8210595	8214625	4029	+
## 3860	1	8214678	8215079	400	+
## 3861	1	8318186	8325818	7631	+
## 3862	1	8326042	8330209	4166	+
## 3863	1	8330936	8335437	4500	+
## 3864	1	8335614	8337816	2201	+
## 3865	1	8337992	8339493	1500	+
## 3866	1	8339698	8343747	4048	+
## 3867	1	8335590	8337816	2225	+
## 3868	1	8318186	8324306	6119	+
## 3869	1	8324726	8325298	571	+
## 3870	1	8325390	8325818	427	+
## 3871	1	8324726	8325818	1091	+
## 3872	1	8424701	8428482	3780	+
## 3873	1	8428588	8429827	1238	+
## 3874	1	8429972	8434633	4660	+
## 3875	1	8868057	8870825	2767	-
## 3876	1	8870883	8871891	1007	-
## 3877	1	8945965	8957137	11171	+
## 3878	1	8957285	8958910	1624	+
## 3879	1	8959002	8962587	3584	+
## 3880	1	8962656	8967659	5002	+
## 3881	1	8945965	8949263	3297	+
## 3882	1	8949442	8957137	7694	+
## 3883	1	8970981	8974347	3365	+
## 3884	1	8945965	8958910	12944	+
## 3885	1	9004879	9007310	2430	-
## 3886	1	9007385	9010143	2757	-
## 3887	1	9010244	9013525	3280	-
## 3888	1	9013635	9014681	1045	-
## 3889	1	9014868	9015117	248	-

## 3890	1	9015242	9018223	2980	-
## 3891	1	9018375	9019209	833	-
## 3892	1	9019333	9022918	3584	-
## 3893	1	9023078	9024976	1897	-
## 3894	1	9025074	9026295	1220	-
## 3895	1	9427381	9428842	1460	-
## 3896	1	9427381	9428922	1540	-
## 3897	1	9672719	9680712	7992	-
## 3898	1	9950648	9951231	582	-
## 3899	1	9951297	9952339	1041	-
## 3900	1	9952469	9955821	3351	-
## 3901	1	9955915	9960714	4798	-
## 3902	1	9936627	9942681	6053	-
## 3903	1	9997331	10004093	6761	+
## 3904	1	10004307	10007570	3262	+
## 3905	1	10230997	10232250	1252	+
## 3906	1	10399330	10399629	298	+
## 3907	1	10440413	10451377	10963	+
## 3908	1	10431401	10440347	8945	+
## 3909	1	10450322	10451377	1054	+
## 3910	1	10434690	10451377	16686	+
## 3911	1	10948844	10949624	779	-
## 3912	1	10966482	10969970	3487	-
## 3913	1	10970089	10976156	6066	-
## 3914	1	10976256	10982012	5755	-
## 3915	1	11100084	11101801	1716	+
## 3916	1	11027648	11030176	2527	-
## 3917	1	11030250	11030748	497	-
## 3918	1	11030882	11034828	3945	-
## 3919	1	11034906	11037693	2786	-
## 3920	1	11037811	11042875	5063	-
## 3921	1	11043022	11043339	316	-
## 3922	1	11043535	11045408	1872	-
## 3923	1	11045539	11046556	1016	-
## 3924	1	11046733	11046891	157	-
## 3925	1	11047119	11047203	83	-
## 3926	1	11044953	11045408	454	-
## 3927	1	11143987	11144667	679	+
## 3928	1	11144886	11145153	266	+
## 3929	1	11145279	11149270	3990	+
## 3930	1	11189955	11192270	2314	+
## 3931	1	11192370	11193580	1209	+
## 3932	1	11193774	11194461	686	+
## 3933	1	11194659	11194854	194	+
## 3934	1	11610113	11611843	1729	+
## 3935	1	11611978	11612790	811	+
## 3936	1	11654952	11655940	987	+
## 3937	1	11654952	11655670	717	+
## 3938	1	11654581	11655806	1224	+
## 3939	1	11658364	11658533	168	+
## 3940	1	11648828	11649087	258	-
## 3941	1	11649225	11649779	553	-
## 3942	1	11650074	11650466	391	-
## 3943	1	11650834	11654319	3484	-

## 3944	1	11691853	11706249	14395	+
## 3945	1	11706709	11709275	2565	+
## 3946	1	11709465	11711851	2385	+
## 3947	1	11711965	11712340	374	+
## 3948	1	11712429	11715119	2689	+
## 3949	1	11715208	11719584	4375	+
## 3950	1	11762305	11764331	2025	+
## 3951	1	11764470	11765857	1386	+
## 3952	1	11767085	11767221	135	+
## 3953	1	11767264	11768077	812	+
## 3954	1	11768275	11768973	697	+
## 3955	1	11769127	11771524	2396	+
## 3956	1	11771636	11772082	445	+
## 3957	1	11772259	11775435	3175	+
## 3958	1	11775610	11776464	853	+
## 3959	1	11776638	11778660	2021	+
## 3960	1	11778816	11778926	109	+
## 3961	1	11779080	11779802	721	+
## 3962	1	11780010	11782189	2178	+
## 3963	1	11782333	11784174	1840	+
## 3964	1	11784593	11785148	554	+
## 3965	1	11785289	11787388	2098	+
## 3966	1	11787493	11787873	379	+
## 3967	1	11788047	11788149	101	+
## 3968	1	11788378	11788652	273	+
## 3969	1	11788746	11789270	523	+
## 3970	1	11778284	11778645	360	-
## 3971	1	11778807	11779123	315	-
## 3972	1	11826224	11827115	890	+
## 3973	1	11846014	11847113	1098	-
## 3974	1	11847439	11847562	122	-
## 3975	1	11807190	11816615	9424	+
## 3976	1	11857671	11858214	542	-
## 3977	1	11858469	11858702	232	-
## 3978	1	12063661	12097101	33439	+
## 3979	1	12135613	12138232	2618	+
## 3980	1	12644714	12651123	6408	+
## 3981	1	12651339	12661791	10451	+
## 3982	1	12661854	12665961	4106	+
## 3983	1	12746541	12755700	9158	+
## 3984	1	12755813	12759310	3496	+
## 3985	1	12759487	12760770	1282	+
## 3986	1	12822939	12823036	96	-
## 3987	1	12716344	12720883	4538	+
## 3988	1	12720946	12725222	4275	+
## 3989	1	12716344	12719475	3130	+
## 3990	1	12719691	12720883	1191	+
## 3991	1	12791474	12793203	1728	+
## 3992	1	12793514	12793915	400	+
## 3993	1	12794493	12795438	944	+
## 3994	1	12794969	12795438	468	+
## 3995	1	12775154	12775543	388	+
## 3996	1	12776118	12777011	892	+
## 3997	1	12825503	12827249	1745	-

## 3998	1	12827830	12828497	666	-
## 3999	1	12828805	12831356	2550	-
## 4000	1	12746541	12759310	12768	+
## 4001	1	12939236	12940984	1747	-
## 4002	1	12941565	12942232	666	-
## 4003	1	12942540	12947517	4976	-
## 4004	1	12848470	12848681	210	-
## 4005	1	12880105	12881854	1748	-
## 4006	1	12882435	12883102	666	-
## 4007	1	12883410	12886147	2736	-
## 4008	1	12857147	12858985	1837	+
## 4009	1	12859296	12859693	396	+
## 4010	1	12860271	12861221	949	+
## 4011	1	12893474	12894586	1111	-
## 4012	1	12895164	12895561	396	-
## 4013	1	12895872	12898216	2343	-
## 4014	1	12916687	12917668	980	+
## 4015	1	12917979	12918362	382	+
## 4016	1	12918937	12919852	914	+
## 4017	1	13095762	13096713	950	-
## 4018	1	13097288	13097685	396	-
## 4019	1	13097996	13099640	1643	-
## 4020	1	13050369	13052118	1748	-
## 4021	1	13052699	13053367	667	-
## 4022	1	13053675	13056414	2738	-
## 4023	1	13073986	13074659	672	+
## 4024	1	13075240	13076991	1750	+
## 4025	1	13060930	13061144	213	+
## 4026	1	13127146	13128793	1646	+
## 4027	1	13129104	13129501	396	+
## 4028	1	13130076	13131027	950	+
## 4029	1	13116581	13116793	211	-
## 4030	1	13149798	13151549	1750	-
## 4031	1	13152130	13152803	672	-
## 4032	1	13175573	13176241	667	+
## 4033	1	13176822	13178571	1748	+
## 4034	1	13223905	13224855	949	-
## 4035	1	13225433	13225820	386	-
## 4036	1	13165648	13165862	213	-
## 4037	1	13170380	13175265	4884	+
## 4038	1	13197381	13198328	946	-
## 4039	1	13198906	13199303	396	-
## 4040	1	13199614	13201332	1717	-
## 4041	1	13254275	13259247	4971	+
## 4042	1	13259555	13260222	666	+
## 4043	1	13260803	13262550	1746	+
## 4044	1	13281932	13282847	914	-
## 4045	1	13283422	13283805	382	-
## 4046	1	13284116	13285097	980	-
## 4047	1	13303586	13305930	2343	+
## 4048	1	13306241	13306638	396	+
## 4049	1	13307216	13308329	1112	+
## 4050	1	13343086	13344038	951	-
## 4051	1	13344616	13345028	411	-

## 4052	1	13345339	13347057	1717	-
## 4053	1	13315658	13318392	2733	+
## 4054	1	13318700	13319372	671	+
## 4055	1	13319953	13321703	1749	+
## 4056	1	13389944	13390341	396	+
## 4057	1	13390919	13391944	1024	+
## 4058	1	13410544	13416351	5806	+
## 4059	1	13416641	13418122	1480	+
## 4060	1	13418700	13420697	1996	+
## 4061	1	13585639	13607173	21533	+
## 4062	1	13585714	13607173	21458	+
## 4063	1	14946173	14960684	14510	+
## 4064	1	15117807	15118327	519	-
## 4065	1	15118904	15120972	2067	-
## 4066	1	15124373	15152291	27917	-
## 4067	1	15164461	15171181	6719	-
## 4068	1	15171315	15171611	295	-
## 4069	1	15168777	15171181	2403	-
## 4070	1	15438504	15440300	1795	+
## 4071	1	15440391	15440493	101	+
## 4072	1	15443555	15444606	1050	+
## 4073	1	15444751	15445597	845	+
## 4074	1	15507907	15518250	10342	-
## 4075	1	15476165	15476457	291	+
## 4076	1	15476545	15481098	4552	+
## 4077	1	15481195	15482265	1069	+
## 4078	1	15482393	15483264	870	+
## 4079	1	15483400	15485901	2500	+
## 4080	1	15487437	15491295	3857	+
## 4081	1	15518395	15524583	6187	-
## 4082	1	15566410	15567099	688	+
## 4083	1	15740222	15749430	9207	-
## 4084	1	15836906	15848108	11201	-
## 4085	1	15758848	15764496	5647	+
## 4086	1	15765233	15767376	2142	+
## 4087	1	15767563	15768528	964	+
## 4088	1	15768630	15770409	1778	+
## 4089	1	15770578	15774618	4039	+
## 4090	1	15742647	15742835	187	+
## 4091	1	15742907	15743020	112	+
## 4092	1	15743194	15744160	965	+
## 4093	1	15744580	15746867	2286	+
## 4094	1	15747054	15747546	491	+
## 4095	1	15765233	15770409	5175	+
## 4096	1	15756732	15758174	1441	+
## 4097	1	15758329	15764493	6163	+
## 4098	1	15947123	15948295	1171	-
## 4099	1	16058717	16059494	776	-
## 4100	1	16059604	16059869	264	-
## 4101	1	16060051	16062099	2047	-
## 4102	1	16062192	16062499	306	-
## 4103	1	16062534	16063521	986	-
## 4104	1	16063636	16073421	9784	-
## 4105	1	16022063	16022613	549	+

## 4106	1	16023928	16024763	834	+
## 4107	1	16024891	16026108	1216	+
## 4108	1	16026247	16026536	288	+
## 4109	1	16026613	16026697	83	+
## 4110	1	16026775	16027310	534	+
## 4111	1	16027435	16027821	385	+
## 4112	1	16027905	16028018	112	+
## 4113	1	16028119	16028761	641	+
## 4114	1	16028845	16029126	280	+
## 4115	1	16029299	16029731	431	+
## 4116	1	16029800	16029965	164	+
## 4117	1	16030075	16030461	385	+
## 4118	1	16030674	16031710	1035	+
## 4119	1	16031843	16032203	359	+
## 4120	1	16032291	16032446	154	+
## 4121	1	16033256	16033611	354	+
## 4122	1	16017185	16017761	575	-
## 4123	1	16017219	16017765	545	-
## 4124	1	16049245	16049618	372	+
## 4125	1	16049702	16049815	112	+
## 4126	1	16049916	16050516	599	+
## 4127	1	16050600	16050875	274	+
## 4128	1	16051048	16051478	429	+
## 4129	1	16051547	16051710	162	+
## 4130	1	16051820	16052198	377	+
## 4131	1	16052411	16053639	1227	+
## 4132	1	16053772	16055435	1662	+
## 4133	1	16055523	16055678	154	+
## 4134	1	16055758	16056422	663	+
## 4135	1	16056508	16056869	360	+
## 4136	1	16043880	16044486	605	+
## 4137	1	16044592	16045558	965	+
## 4138	1	16045686	16046535	848	+
## 4139	1	16046663	16047905	1241	+
## 4140	1	16048044	16048343	298	+
## 4141	1	16048420	16048504	83	+
## 4142	1	16048582	16049120	537	+
## 4143	1	16055523	16055675	151	+
## 4144	1	16023928	16026108	2179	+
## 4145	1	16032291	16032443	151	+
## 4146	1	16017222	16017765	542	-
## 4147	1	16017207	16017765	557	-
## 4148	1	16017852	16019134	1281	-
## 4149	1	16015717	16017074	1356	-
## 4150	1	16004385	16005919	1533	+
## 4151	1	16131870	16132064	193	-
## 4152	1	16138430	16148378	9947	-
## 4153	1	16149047	16155848	6800	-
## 4154	1	16207210	16207522	311	-
## 4155	1	16207598	16207675	76	-
## 4156	1	16207777	16207944	166	-
## 4157	1	16208225	16208643	417	-
## 4158	1	16209083	16212502	3418	-
## 4159	1	16149047	16150896	1848	-

## 4160	1	16150963	16155848	4884	-
## 4161	1	16396312	16396558	245	-
## 4162	1	16396746	16399344	2597	-
## 4163	1	16399521	16400482	960	-
## 4164	1	16400635	16400720	84	-
## 4165	1	16400892	16403727	2834	-
## 4166	1	16403844	16403968	123	-
## 4167	1	16404039	16404967	927	-
## 4168	1	16405104	16409118	4013	-
## 4169	1	16409203	16409601	397	-
## 4170	1	16410043	16410778	734	-
## 4171	1	16410915	16421911	10995	-
## 4172	1	16422194	16425524	3329	-
## 4173	1	16425731	16427864	2132	-
## 4174	1	16428015	16431243	3227	-
## 4175	1	16431422	16437128	5705	-
## 4176	1	16463287	16467577	4289	+
## 4177	1	16470127	16475825	5697	-
## 4178	1	16491084	16491186	101	-
## 4179	1	16491316	16491981	664	-
## 4180	1	16398822	16399344	521	-
## 4181	1	16399521	16400720	1198	-
## 4182	1	16410043	16421509	11465	-
## 4183	1	16421557	16421911	353	-
## 4184	1	16421971	16431338	9366	-
## 4185	1	16431422	16432790	1367	-
## 4186	1	16432924	16437128	4203	-
## 4187	1	16410915	16425524	14608	-
## 4188	1	16425731	16437128	11396	-
## 4189	1	16534209	16534426	216	-
## 4190	1	16565809	16566407	597	-
## 4191	1	16577419	16579193	1773	-
## 4192	1	16595009	16608508	13498	-
## 4193	1	16691294	16696431	5136	-
## 4194	1	16696924	16699426	2501	-
## 4195	1	16699621	16699859	237	-
## 4196	1	16700020	16702701	2680	-
## 4197	1	16702972	16703943	970	-
## 4198	1	16704144	16707288	3143	-
## 4199	1	16707419	16707545	125	-
## 4200	1	16707727	16707892	164	-
## 4201	1	16708078	16719964	11885	-
## 4202	1	16758088	16758466	377	-
## 4203	1	16758586	16758803	216	-
## 4204	1	16759035	16759066	30	-
## 4205	1	16759168	16759269	100	-
## 4206	1	16759399	16759476	76	-
## 4207	1	16759686	16759889	202	-
## 4208	1	16760272	16760354	81	-
## 4209	1	16760490	16760751	260	-
## 4210	1	16760873	16760955	81	-
## 4211	1	16761102	16764414	3311	-
## 4212	1	16873143	16873723	579	+
## 4213	1	16873143	16873784	640	+

## 4214	1	16978314	16981514	3199	-
## 4215	1	16977195	16978237	1041	-
## 4216	1	17205309	17222290	16980	+
## 4217	1	17222470	17223621	1150	+
## 4218	1	17223693	17224367	673	+
## 4219	1	17224428	17225811	1382	+
## 4220	1	17225928	17226033	104	+
## 4221	1	17226158	17228625	2466	+
## 4222	1	17228797	17228948	150	+
## 4223	1	17229051	17230085	1033	+
## 4224	1	17230208	17230572	363	+
## 4225	1	17230679	17232819	2139	+
## 4226	1	17232970	17237314	4343	+
## 4227	1	17237458	17238616	1157	+
## 4228	1	17238709	17239704	994	+
## 4229	1	17239783	17240635	851	+
## 4230	1	17240760	17244010	3249	+
## 4231	1	17189930	17192965	3034	+
## 4232	1	17193165	17195443	2277	+
## 4233	1	17195601	17196300	698	+
## 4234	1	17372361	17373056	694	+
## 4235	1	17373233	17375427	2193	+
## 4236	1	17375499	17379920	4420	+
## 4237	1	17379987	17381047	1059	+
## 4238	1	17381164	17381967	802	+
## 4239	1	17382092	17388381	6288	+
## 4240	1	17388559	17388777	217	+
## 4241	1	17388880	17392114	3233	+
## 4242	1	17392225	17393975	1749	+
## 4243	1	18065847	18068192	2344	+
## 4244	1	18068278	18072220	3941	+
## 4245	1	18635240	18636243	1002	+
## 4246	1	18840527	18841729	1201	-
## 4247	1	18841852	18849341	7488	-
## 4248	1	18849550	18854213	4662	-
## 4249	1	18854986	18857331	2344	-
## 4250	1	18857631	18859479	1847	-
## 4251	1	19233135	19234180	1044	-
## 4252	1	19234188	19235130	941	-
## 4253	1	19235249	19237142	1892	-
## 4254	1	19307410	19308455	1044	-
## 4255	1	19328928	19331223	2294	+
## 4256	1	19591885	19596710	4824	-
## 4257	1	19646033	19655012	8978	+
## 4258	1	19645530	19655012	9481	+
## 4259	1	19643954	19655012	11057	+
## 4260	1	19643397	19655012	11614	+
## 4261	1	19643625	19655012	11386	+
## 4262	1	19643378	19655012	11633	+
## 4263	1	19647670	19655012	7341	+
## 4264	1	19600971	19655012	54040	+
## 4265	1	19597109	19655012	57902	+
## 4266	1	19666467	19678567	12099	+
## 4267	1	19678725	19678919	193	+

## 4268	1	19979659	19980362	702	-
## 4269	1	19979690	19980362	671	-
## 4270	1	19978911	19979580	668	-
## 4271	1	19978879	19980362	1482	-
## 4272	1	20139543	20140166	622	+
## 4273	1	20140218	20143446	3227	+
## 4274	1	20143590	20144580	989	+
## 4275	1	20144689	20148190	3500	+
## 4276	1	20154587	20159630	5042	+
## 4277	1	20070465	20084821	14355	+
## 4278	1	20084870	20086083	1212	+
## 4279	1	20086227	20089789	3561	+
## 4280	1	20089895	20090568	672	+
## 4281	1	20114259	20116333	2073	-
## 4282	1	20243214	20244296	1081	+
## 4283	1	20362041	20362144	102	-
## 4284	1	20362394	20373595	11200	-
## 4285	1	20373738	20377381	3642	-
## 4286	1	20377509	20378311	801	-
## 4287	1	20378432	20378973	540	-
## 4288	1	20379026	20398483	19456	-
## 4289	1	20398787	20399480	692	-
## 4290	1	20399549	20400935	1385	-
## 4291	1	20400987	20405575	4587	-
## 4292	1	20405694	20406187	492	-
## 4293	1	20406269	20428584	22314	-
## 4294	1	20643118	20645585	2466	-
## 4295	1	20780540	20786253	5712	-
## 4296	1	20721995	20722756	760	-
## 4297	1	20722915	20723626	710	-
## 4298	1	20723734	20724083	348	-
## 4299	1	20724251	20724396	144	-
## 4300	1	20724635	20725920	1284	-
## 4301	1	20726066	20727001	934	-
## 4302	1	20727075	20727523	447	-
## 4303	1	20727603	20727958	354	-
## 4304	1	20728086	20732181	4094	-
## 4305	1	20779911	20786253	6341	-
## 4306	1	20727603	20732181	4577	-
## 4307	1	21293743	21293934	190	+
## 4308	1	21294210	21298027	3816	+
## 4309	1	21445219	21468688	23468	+
## 4310	1	21474951	21478069	3117	+
## 4311	1	21445219	21465135	19915	+
## 4312	1	21445219	21470632	25412	+
## 4313	1	21509111	21553978	44866	+
## 4314	1	21509076	21553978	44901	+
## 4315	1	21509517	21560626	51108	+
## 4316	1	21560745	21563110	2364	+
## 4317	1	21551428	21553978	2549	+
## 4318	1	21812536	21814398	1861	+
## 4319	1	22001717	22003003	1285	+
## 4320	1	22003088	22005447	2358	+
## 4321	1	22005544	22005662	117	+

## 4322	1	22005796	22006878	1081	+
## 4323	1	22007014	22007373	358	+
## 4324	1	22007515	22009705	2189	+
## 4325	1	22009857	22012450	2592	+
## 4326	1	21977082	21978369	1286	+
## 4327	1	21978454	21980824	2369	+
## 4328	1	21980921	21981038	116	+
## 4329	1	21981172	21983694	2521	+
## 4330	1	21983830	21984189	358	+
## 4331	1	21984331	21986531	2199	+
## 4332	1	21986683	21989262	2578	+
## 4333	1	22024445	22024806	360	-
## 4334	1	22024966	22025964	997	-
## 4335	1	22120517	22121211	693	-
## 4336	1	22121353	22121445	91	-
## 4337	1	22121576	22129616	8039	-
## 4338	1	22129851	22142846	12994	-
## 4339	1	22452004	22452659	654	+
## 4340	1	22452946	22489880	36933	+
## 4341	1	22563729	22569289	5559	+
## 4342	1	22569353	22576217	6863	+
## 4343	1	22576880	22586480	9599	+
## 4344	1	22586635	22588871	2235	+
## 4345	1	22589206	22593326	4119	+
## 4346	1	22593450	22593524	73	+
## 4347	1	22593686	22595230	1543	+
## 4348	1	22595323	22596106	782	+
## 4349	1	22596173	22597312	1138	+
## 4350	1	22597476	22597676	199	+
## 4351	1	22597861	22598151	289	+
## 4352	1	22598212	22598838	625	+
## 4353	1	22599047	22600661	1613	+
## 4354	1	22600810	22600898	87	+
## 4355	1	22601088	22601300	211	+
## 4356	1	22601473	22601627	153	+
## 4357	1	22954024	22955321	1296	-
## 4358	1	22955426	22958685	3258	-
## 4359	1	22958920	22959942	1021	-
## 4360	1	22960099	22963107	3007	-
## 4361	1	22963216	22965290	2073	-
## 4362	1	22965425	22972305	6879	-
## 4363	1	22972431	22972772	340	-
## 4364	1	23011101	23013883	2781	-
## 4365	1	23014045	23015772	1726	-
## 4366	1	23284410	23285110	699	-
## 4367	1	23394031	23397543	3511	-
## 4368	1	23521985	23526930	4944	+
## 4369	1	23527070	23527405	334	+
## 4370	1	23627537	23628507	969	+
## 4371	1	23628597	23629481	883	+
## 4372	1	23629557	23639680	10122	+
## 4373	1	23639795	23640389	593	+
## 4374	1	23639795	23640328	532	+
## 4375	1	23639795	23640246	450	+

## 4376	1	23629557	23639115	9557	+
## 4377	1	23639251	23639680	428	+
## 4378	1	23639795	23640361	565	+
## 4379	1	23627537	23627781	243	+
## 4380	1	23627998	23628507	508	+
## 4381	1	23629557	23639109	9551	+
## 4382	1	23975075	23978711	3635	-
## 4383	1	24057627	24058924	1296	-
## 4384	1	24058979	24061060	2080	-
## 4385	1	24061082	24061273	190	-
## 4386	1	24061309	24061946	636	-
## 4387	1	24062109	24063126	1016	-
## 4388	1	24063234	24063492	257	-
## 4389	1	24063530	24064072	541	-
## 4390	1	24064159	24065891	1731	-
## 4391	1	24066001	24067021	1019	-
## 4392	1	24067088	24067970	881	-
## 4393	1	24068029	24068223	193	-
## 4394	1	24068367	24071117	2749	-
## 4395	1	24071253	24071969	715	-
## 4396	1	24072013	24074160	2146	-
## 4397	1	24074269	24075319	1049	-
## 4398	1	24075475	24076159	683	-
## 4399	1	24076273	24080016	3742	-
## 4400	1	24080194	24081330	1135	-
## 4401	1	24081456	24082001	544	-
## 4402	1	24082188	24082593	404	-
## 4403	1	24082714	24084468	1753	-
## 4404	1	24084639	24086644	2004	-
## 4405	1	24086827	24089538	2710	-
## 4406	1	24089665	24090065	399	-
## 4407	1	24090118	24090797	678	-
## 4408	1	24090996	24092174	1177	-
## 4409	1	24092315	24092947	631	-
## 4410	1	24093108	24094853	1744	-
## 4411	1	24094990	24095442	451	-
## 4412	1	24095486	24097923	2436	-
## 4413	1	24098011	24099680	1668	-
## 4414	1	24099775	24105920	6144	-
## 4415	1	24106077	24107073	995	-
## 4416	1	24107232	24107993	760	-
## 4417	1	24108073	24108476	402	-
## 4418	1	24108654	24112031	3376	-
## 4419	1	24200391	24202464	2072	+
## 4420	1	24202599	24210133	7533	+
## 4421	1	24121737	24123302	1564	-
## 4422	1	24123423	24128141	4717	-
## 4423	1	24128279	24134211	5931	-
## 4424	1	24134386	24137131	2744	-
## 4425	1	24137309	24138582	1272	-
## 4426	1	24138714	24143040	4325	-
## 4427	1	24157804	24159052	1247	-
## 4428	1	24180854	24187191	6336	-
## 4429	1	24157891	24159474	1582	-

## 4430	1	24323117	24331426	8308	+
## 4431	1	24331612	24334645	3032	+
## 4432	1	24334706	24336482	1775	+
## 4433	1	24336827	24337078	250	+
## 4434	1	24337151	24337636	484	+
## 4435	1	24337789	24337992	202	+
## 4436	1	24338103	24339668	1564	+
## 4437	1	24339762	24342115	2352	+
## 4438	1	24342273	24342694	420	+
## 4439	1	24342772	24342892	119	+
## 4440	1	24343025	24344897	1871	+
## 4441	1	24344931	24346553	1621	+
## 4442	1	24346641	24347468	826	+
## 4443	1	24347553	24350058	2504	+
## 4444	1	24350122	24354374	4251	+
## 4445	1	24319747	24331426	11678	+
## 4446	1	24319568	24331426	11857	+
## 4447	1	24350122	24364185	14062	+
## 4448	1	24496596	24499653	3056	-
## 4449	1	24499763	24502348	2584	-
## 4450	1	24499804	24502348	2543	-
## 4451	1	24499711	24502348	2636	-
## 4452	1	24496596	24502348	5751	-
## 4453	1	24442226	24444035	1808	+
## 4454	1	24444184	24445185	1000	+
## 4455	1	24416232	24419291	3058	+
## 4456	1	24456273	24464026	7752	+
## 4457	1	24453504	24454054	549	+
## 4458	1	24419640	24440090	20449	+
## 4459	1	24419640	24433104	13463	+
## 4460	1	24433213	24440172	6958	+
## 4461	1	24413774	24419291	5516	+
## 4462	1	24419640	24449481	29840	+
## 4463	1	24453504	24464026	10521	+
## 4464	1	24449626	24456138	6511	+
## 4465	1	24415904	24416025	120	+
## 4466	1	24416299	24419291	2991	+
## 4467	1	24415904	24445185	29280	+
## 4468	1	24419640	24445185	25544	+
## 4469	1	24453504	24458888	5383	+
## 4470	1	24415904	24416068	163	+
## 4471	1	24539876	24551888	12011	-
## 4472	1	24552048	24555816	3767	-
## 4473	1	24514567	24535093	20525	+
## 4474	1	24531391	24535093	3701	+
## 4475	1	24556169	24595424	39254	+
## 4476	1	24595512	24600940	5427	+
## 4477	1	24601024	24605606	4581	+
## 4478	1	24531391	24533113	1721	+
## 4479	1	24655690	24660719	5028	+
## 4480	1	25243633	25244181	547	-
## 4481	1	25389113	25402596	13482	-
## 4482	1	25385844	25402596	16751	-
## 4483	1	25304821	25306896	2074	-

## 4484	1	25306949	25337040	30090	-
## 4485	1	25304821	25306562	1740	-
## 4486	1	25318271	25337040	18768	-
## 4487	1	25696251	25746668	50416	+
## 4488	1	25832158	25835022	2863	-
## 4489	1	25870694	25875488	4793	-
## 4490	1	25904738	25906788	2049	-
## 4491	1	26039305	26039777	471	-
## 4492	1	26039911	26041700	1788	-
## 4493	1	26041805	26042549	743	-
## 4494	1	26042708	26043398	689	-
## 4495	1	26043551	26044298	746	-
## 4496	1	26044444	26044997	552	-
## 4497	1	26045217	26045847	629	-
## 4498	1	26051883	26053893	2009	-
## 4499	1	26053964	26057203	3238	-
## 4500	1	26057327	26057628	300	-
## 4501	1	26057650	26058390	739	-
## 4502	1	26060361	26061166	804	-
## 4503	1	26061334	26066268	4933	-
## 4504	1	26066440	26067336	895	-
## 4505	1	26023425	26029193	5767	+
## 4506	1	26029286	26029600	313	+
## 4507	1	26029707	26030476	768	+
## 4508	1	26030595	26031132	536	+
## 4509	1	26031264	26031460	195	+
## 4510	1	26031566	26032396	829	+
## 4511	1	26032485	26033229	743	+
## 4512	1	26033315	26033696	380	+
## 4513	1	26033856	26034836	979	+
## 4514	1	26035004	26035165	160	+
## 4515	1	26043551	26044997	1445	-
## 4516	1	26164455	26165826	1370	-
## 4517	1	26165923	26166035	111	-
## 4518	1	26166118	26168416	2297	-
## 4519	1	26159126	26161212	2085	+
## 4520	1	26182402	26182485	82	+
## 4521	1	26183435	26183729	293	+
## 4522	1	26190840	26191287	446	+
## 4523	1	26191430	26193787	2356	+
## 4524	1	26193888	26197686	3797	+
## 4525	1	26197783	26197957	173	+
## 4526	1	26198077	26198286	208	+
## 4527	1	26198419	26199884	1464	+
## 4528	1	26200058	26200830	771	+
## 4529	1	26201041	26201354	312	+
## 4530	1	26201519	26202489	969	+
## 4531	1	26269364	26269460	95	+
## 4532	1	26239838	26255171	15332	+
## 4533	1	26225703	26227404	1700	+
## 4534	1	26227555	26227794	238	+
## 4535	1	26462870	26463376	505	-
## 4536	1	26463433	26466204	2770	-
## 4537	1	26466324	26467048	723	-

## 4538	1	26368585	26372669	4083	-
## 4539	1	26442873	26447559	4685	+
## 4540	1	26362175	26363026	850	-
## 4541	1	26368582	26372669	4086	-
## 4542	1	26410922	26411386	463	+
## 4543	1	26411582	26425303	13720	+
## 4544	1	26425487	26426242	754	+
## 4545	1	26787806	26794113	6306	+
## 4546	1	26794206	26794834	627	+
## 4547	1	26794273	26797563	3289	+
## 4548	1	26790893	26797563	6669	+
## 4549	1	26787218	26790759	3540	+
## 4550	1	26950151	26950682	530	-
## 4551	1	26950756	26951342	585	-
## 4552	1	26952412	26960350	7937	-
## 4553	1	26912086	26913409	1322	-
## 4554	1	27370730	27370843	112	-
## 4555	1	27370972	27373136	2163	-
## 4556	1	27373263	27373488	224	-
## 4557	1	27373520	27373965	444	-
## 4558	1	27374009	27374356	346	-
## 4559	1	27374451	27374728	276	-
## 4560	1	27379509	27380051	541	-
## 4561	1	27380195	27381780	1584	-
## 4562	1	27381824	27382328	503	-
## 4563	1	27382399	27382500	100	-
## 4564	1	27382667	27383152	484	-
## 4565	1	27373263	27373965	701	-
## 4566	1	27603863	27604106	242	-
## 4567	1	27660722	27662677	1954	-
## 4568	1	27727536	27730232	2695	+
## 4569	1	27730333	27732603	2269	+
## 4570	1	27732657	27744654	11996	+
## 4571	1	27879963	27882468	2504	+
## 4572	1	27914169	27914422	252	-
## 4573	1	27907282	27913912	6629	-
## 4574	1	27945445	27948994	3548	+
## 4575	1	28329124	28330597	1472	+
## 4576	1	28508901	28516725	7823	+
## 4577	1	28506327	28508128	1800	+
## 4578	1	28643517	28648197	4679	+
## 4579	1	28643763	28648193	4429	+
## 4580	1	28592399	28593694	1294	+
## 4581	1	28581229	28582090	860	-
## 4582	1	28592744	28596374	3629	+
## 4583	1	28736809	28737047	237	+
## 4584	1	29121848	29123856	2007	-
## 4585	1	29121848	29122364	515	-
## 4586	1	29331192	29333166	1973	-
## 4587	1	29333308	29349683	16374	-
## 4588	1	29236717	29255275	18557	+
## 4589	1	29259564	29259870	305	+
## 4590	1	29260044	29260610	565	+
## 4591	1	29284869	29289683	4813	+

## 4592	1	29289712	29291869	2156	+
## 4593	1	29305428	29307129	1700	+
## 4594	1	29307146	29310744	3597	+
## 4595	1	29323496	29323637	140	+
## 4596	1	30713631	30714247	615	-
## 4597	1	30715309	30715909	599	-
## 4598	1	30718957	30721405	2447	-
## 4599	1	30721751	30723458	1706	-
## 4600	1	30824828	30826131	1302	+
## 4601	1	30826194	30833506	7311	+
## 4602	1	31369590	31372942	3351	-
## 4603	1	31409852	31410385	532	+
## 4604	1	31410435	31423693	13257	+
## 4605	1	31414777	31415873	1095	+
## 4606	1	31415907	31423693	7785	+
## 4607	1	31414064	31423693	9628	+
## 4608	1	31500387	31501353	965	+
## 4609	1	31501539	31503015	1475	+
## 4610	1	31503188	31504128	939	+
## 4611	1	31504300	31505478	1177	+
## 4612	1	31505587	31506240	652	+
## 4613	1	31507581	31507716	134	+
## 4614	1	31579267	31583461	4193	+
## 4615	1	31578188	31579204	1015	+
## 4616	1	31654858	31655314	455	-
## 4617	1	31656444	31657033	588	-
## 4618	1	31658964	31660585	1620	-
## 4619	1	31660638	31661066	427	-
## 4620	1	31661704	31662334	629	-
## 4621	1	31665618	31665882	263	-
## 4622	1	31665935	31666037	101	-
## 4623	1	31667628	31668165	536	-
## 4624	1	31668218	31668802	583	-
## 4625	1	31668855	31670602	1746	-
## 4626	1	31670646	31671615	968	-
## 4627	1	31671659	31672416	756	-
## 4628	1	31672502	31672596	93	-
## 4629	1	31672637	31672724	86	-
## 4630	1	31672840	31675007	2166	-
## 4631	1	31675039	31675258	218	-
## 4632	1	31675311	31679632	4320	-
## 4633	1	31679685	31679804	118	-
## 4634	1	31679851	31680042	190	-
## 4635	1	31680101	31680905	803	-
## 4636	1	31680931	31681023	91	-
## 4637	1	31681067	31682934	1866	-
## 4638	1	31683002	31683194	191	-
## 4639	1	31683247	31683334	86	-
## 4640	1	31683369	31683707	337	-
## 4641	1	31683748	31683950	201	-
## 4642	1	31684003	31684109	105	-
## 4643	1	31684231	31684523	291	-
## 4644	1	31684630	31684821	190	-
## 4645	1	31684856	31685639	782	-

## 4646	1	31685770	31686091	320	-
## 4647	1	31686135	31686244	108	-
## 4648	1	31686279	31688467	2187	-
## 4649	1	31688502	31688861	358	-
## 4650	1	31688971	31689050	78	-
## 4651	1	31689085	31689741	655	-
## 4652	1	31689851	31690367	515	-
## 4653	1	31690393	31690529	135	-
## 4654	1	31690573	31691188	614	-
## 4655	1	31691226	31691417	190	-
## 4656	1	31691512	31691598	85	-
## 4657	1	31691642	31692005	362	-
## 4658	1	31692067	31692474	406	-
## 4659	1	31692509	31692598	88	-
## 4660	1	31692642	31692767	124	-
## 4661	1	31692808	31693092	283	-
## 4662	1	31693154	31694144	989	-
## 4663	1	31694170	31695186	1015	-
## 4664	1	31695221	31695761	539	-
## 4665	1	31695787	31696088	300	-
## 4666	1	31696141	31696963	821	-
## 4667	1	31697088	31697220	131	-
## 4668	1	31697300	31697906	605	-
## 4669	1	31698172	31698483	310	-
## 4670	1	31698606	31699813	1206	-
## 4671	1	31699930	31700041	110	-
## 4672	1	31700115	31702121	2005	-
## 4673	1	31702227	31703837	1609	-
## 4674	1	31635522	31644380	8857	-
## 4675	1	31617881	31618756	874	+
## 4676	1	31618816	31619051	234	+
## 4677	1	31619391	31619532	140	+
## 4678	1	31619710	31620843	1132	+
## 4679	1	31625118	31626790	1671	+
## 4680	1	31727605	31728025	419	-
## 4681	1	31728277	31728598	320	-
## 4682	1	31732154	31732517	362	-
## 4683	1	31732612	31732972	359	-
## 4684	1	31733143	31735183	2039	-
## 4685	1	31735281	31735580	298	-
## 4686	1	31735665	31735827	161	-
## 4687	1	31735893	31736321	427	-
## 4688	1	31736390	31736573	182	-
## 4689	1	31736723	31737429	705	-
## 4690	1	31737755	31738200	444	-
## 4691	1	31738326	31738587	260	-
## 4692	1	31738937	31739308	370	-
## 4693	1	31739635	31739926	290	-
## 4694	1	31740034	31740110	75	-
## 4695	1	31740178	31740347	168	-
## 4696	1	31740541	31741373	831	-
## 4697	1	31741479	31741624	144	-
## 4698	1	31741967	31742053	85	-
## 4699	1	31742217	31742838	620	-

## 4700	1	31743002	31744193	1190	-
## 4701	1	31744357	31744648	290	-
## 4702	1	31744731	31755999	11267	-
## 4703	1	31756815	31757201	385	-
## 4704	1	31757281	31757382	100	-
## 4705	1	31757511	31763884	6372	-
## 4706	1	31791252	31792215	962	-
## 4707	1	31798601	31799401	799	-
## 4708	1	31799485	31799809	323	-
## 4709	1	31799863	31800016	152	-
## 4710	1	31800141	31800441	299	-
## 4711	1	31800617	31801664	1046	-
## 4712	1	31801705	31815961	14255	-
## 4713	1	31728280	31728598	317	-
## 4714	1	31733143	31735580	2436	-
## 4715	1	31801705	31813951	12245	-
## 4716	1	31815372	31815961	588	-
## 4717	1	31791291	31792215	923	-
## 4718	1	31919658	31937755	18096	-
## 4719	1	31931142	31937755	6612	-
## 4720	1	32072452	32074951	2498	+
## 4721	1	32075822	32091672	15849	+
## 4722	1	32235210	32239295	4084	-
## 4723	1	32209359	32211272	1912	+
## 4724	1	32211323	32211761	437	+
## 4725	1	32211837	32212070	232	+
## 4726	1	32212201	32212490	288	+
## 4727	1	32212636	32212754	117	+
## 4728	1	32212793	32214797	2003	+
## 4729	1	32214932	32215440	507	+
## 4730	1	32215543	32215802	258	+
## 4731	1	32222032	32222358	325	+
## 4732	1	32205963	32206154	190	+
## 4733	1	32362846	32363595	748	+
## 4734	1	32465105	32470584	5478	+
## 4735	1	32471615	32480891	9275	+
## 4736	1	32481069	32485101	4031	+
## 4737	1	32553540	32595054	41513	+
## 4738	1	32696044	32702608	6563	-
## 4739	1	32651432	32651914	481	+
## 4740	1	32817599	32825313	7713	+
## 4741	1	32886515	32888878	2362	+
## 4742	1	32889276	32893524	4247	+
## 4743	1	32893629	32893765	135	+
## 4744	1	32867842	32868190	347	-
## 4745	1	32868388	32868882	493	-
## 4746	1	32868993	32872394	3400	-
## 4747	1	32863752	32864766	1013	-
## 4748	1	32868997	32870653	1655	-
## 4749	1	32864299	32864664	364	-
## 4750	1	33082354	33083063	708	+
## 4751	1	33083142	33083954	811	+
## 4752	1	33092222	33093245	1022	+
## 4753	1	33081294	33081388	93	+

## 4754	1	33082354	33083018	663	+
## 4755	1	33081508	33083954	2445	+
## 4756	1	33096869	33098007	1137	+
## 4757	1	33081294	33081391	96	+
## 4758	1	33096880	33098067	1186	+
## 4759	1	33081508	33081601	92	+
## 4760	1	33081812	33082178	365	+
## 4761	1	33081508	33092050	10541	+
## 4762	1	33082354	33083111	756	+
## 4763	1	33101902	33117902	15999	+
## 4764	1	33082354	33092050	9695	+
## 4765	1	33307453	33312052	4598	-
## 4766	1	33312189	33312501	311	-
## 4767	1	33312590	33312807	216	-
## 4768	1	33312890	33321076	8185	-
## 4769	1	33350447	33358861	8413	+
## 4770	1	33359074	33363066	3991	+
## 4771	1	33375593	33392682	17088	-
## 4772	1	33488651	33491025	2373	+
## 4773	1	33491702	33493190	1487	+
## 4774	1	33489191	33491025	1833	+
## 4775	1	33869049	33869203	153	+
## 4776	1	33869337	33870872	1534	+
## 4777	1	33871008	33875466	4457	+
## 4778	1	33875592	33878170	2577	+
## 4779	1	33878350	33882163	3812	+
## 4780	1	33882234	33884570	2335	+
## 4781	1	33884814	33885086	271	+
## 4782	1	33860890	33862865	1974	+
## 4783	1	33864177	33864263	85	+
## 4784	1	34755195	34757307	2111	+
## 4785	1	34855982	34859652	3669	-
## 4786	1	34855982	34856556	573	-
## 4787	1	34856739	34858840	2100	-
## 4788	1	34782442	34784738	2295	+
## 4789	1	34781778	34784738	2959	+
## 4790	1	34759788	34760933	1144	+
## 4791	1	34977402	34977931	528	-
## 4792	1	34978084	34978678	593	-
## 4793	1	34905434	34907355	1920	-
## 4794	1	34907437	34929451	22013	-
## 4795	1	35079442	35093394	13951	+
## 4796	1	35110447	35111829	1381	+
## 4797	1	35059925	35078994	19068	+
## 4798	1	35079219	35093914	14694	+
## 4799	1	35110447	35111776	1328	+
## 4800	1	35359168	35365966	6797	-
## 4801	1	35557883	35559107	1223	+
## 4802	1	35631344	35631436	91	-
## 4803	1	35573604	35573927	322	+
## 4804	1	35751506	35760342	8835	-
## 4805	1	35716326	35716501	174	-
## 4806	1	35807723	35816882	9158	+
## 4807	1	36140166	36155883	15716	-

## 4808	1	36085288	36085836	547	+
## 4809	1	36099487	36100195	707	-
## 4810	1	36137978	36149092	11113	-
## 4811	1	36323067	36323893	825	-
## 4812	1	37557748	37559327	1578	+
## 4813	1	37559496	37561557	2060	+
## 4814	1	37501996	37505133	3136	-
## 4815	1	37505221	37509278	4056	-
## 4816	1	37583933	37590706	6772	-
## 4817	1	37689886	37690334	447	-
## 4818	1	37690438	37692030	1591	-
## 4819	1	37690438	37691459	1020	-
## 4820	1	37691581	37692030	448	-
## 4821	1	38047614	38055509	7894	+
## 4822	1	38047614	38102417	54802	+
## 4823	1	38102496	38103546	1049	+
## 4824	1	38103661	38105632	1970	+
## 4825	1	38105752	38118960	13207	+
## 4826	1	38210822	38211734	911	-
## 4827	1	38211822	38212098	275	-
## 4828	1	38212451	38214717	2265	-
## 4829	1	38475824	38476193	368	+
## 4830	1	38476255	38476387	131	+
## 4831	1	38873090	38873595	504	-
## 4832	1	38876193	38881432	5238	-
## 4833	1	38873909	38874778	868	-
## 4834	1	38873090	38881432	8341	-
## 4835	1	38867610	38881432	13821	-
## 4836	1	38866999	38881432	14432	-
## 4837	1	38873579	38875941	2361	+
## 4838	1	38856980	38859410	2429	-
## 4839	1	39557143	39559634	2490	-
## 4840	1	39556738	39559216	2477	-
## 4841	1	39559365	39559634	268	-
## 4842	1	39523896	39529055	5158	-
## 4843	1	39556201	39559216	3014	-
## 4844	1	39523896	39524836	939	-
## 4845	1	39525057	39529055	3997	-
## 4846	1	39522505	39523558	1052	-
## 4847	1	39565219	39570480	5260	+
## 4848	1	39570623	39572455	1831	+
## 4849	1	39572678	39573081	402	+
## 4850	1	39492325	39511174	18848	+
## 4851	1	39511904	39521376	9471	+
## 4852	1	39521570	39522403	832	+
## 4853	1	39522482	39523007	524	+
## 4854	1	39523117	39525649	2531	+
## 4855	1	39682733	39684442	1708	-
## 4856	1	39684611	39691306	6694	-
## 4857	1	39684611	39691065	6453	-
## 4858	1	39691170	39691306	135	-
## 4859	1	39659486	39661079	1592	-
## 4860	1	39661263	39663312	2048	-
## 4861	1	39663434	39665521	2086	-

## 4862	1	39665650	39666069	418	-
## 4863	1	39666236	39671904	5667	-
## 4864	1	39955385	39965211	9825	+
## 4865	1	39955385	39957091	1705	+
## 4866	1	39957221	39958662	1440	+
## 4867	1	39955385	39957198	1812	+
## 4868	1	39966014	39966607	592	+
## 4869	1	39967169	39968334	1164	+
## 4870	1	40089512	40097115	7602	-
## 4871	1	40315664	40317123	1458	-
## 4872	1	40248230	40251283	3052	+
## 4873	1	40393504	40406736	13231	+
## 4874	1	40396890	40406736	9845	+
## 4875	1	40508889	40509451	561	+
## 4876	1	40508889	40514515	5625	+
## 4877	1	40509625	40514515	4889	+
## 4878	1	40508877	40509733	855	+
## 4879	1	40509107	40509733	625	+
## 4880	1	40508908	40509458	549	+
## 4881	1	40784407	40817265	32857	+
## 4882	1	40824258	40831084	6825	+
## 4883	1	40822402	40831084	8681	+
## 4884	1	41018156	41020226	2069	-
## 4885	1	41020778	41020864	85	-
## 4886	1	41020933	41021530	596	-
## 4887	1	41020786	41021622	835	-
## 4888	1	41017979	41020226	2246	-
## 4889	1	41020933	41021623	689	-
## 4890	1	41375252	41375525	272	-
## 4891	1	41479502	41481095	1592	-
## 4892	1	41481193	41482466	1272	-
## 4893	1	41482588	41484047	1458	-
## 4894	1	41484203	41484538	334	-
## 4895	1	41479502	41482466	2963	-
## 4896	1	41484112	41484538	425	-
## 4897	1	42162970	42163403	432	-
## 4898	1	42163610	42164638	1027	-
## 4899	1	42153540	42154680	1139	+
## 4900	1	42154866	42155535	668	+
## 4901	1	42430858	42433143	2284	-
## 4902	1	42440025	42449918	9892	-
## 4903	1	42381097	42399404	18306	+
## 4904	1	42399634	42404511	4876	+
## 4905	1	42776824	42784002	7177	-
## 4906	1	42784122	42784683	560	-
## 4907	1	42785082	42789796	4713	+
## 4908	1	42789934	42792805	2870	+
## 4909	1	42792902	42793601	698	+
## 4910	1	42793744	42794413	668	+
## 4911	1	42794613	42798098	3484	+
## 4912	1	42736030	42738421	2390	-
## 4913	1	42738585	42739841	1255	-
## 4914	1	42735134	42735878	743	-
## 4915	1	42959577	42970249	10671	+

## 4916	1	42970394	42973974	3579	+
## 4917	1	43148084	43150761	2676	+
## 4918	1	43150820	43152828	2007	+
## 4919	1	43152931	43156206	3274	+
## 4920	1	43283107	43283252	144	-
## 4921	1	43283368	43285553	2184	-
## 4922	1	43301129	43304934	3804	+
## 4923	1	43270085	43270586	500	+
## 4924	1	43283368	43285444	2075	-
## 4925	1	43270085	43270681	595	+
## 4926	1	43447932	43448103	170	-
## 4927	1	43426151	43426715	563	+
## 4928	1	43526145	43528657	2511	+
## 4929	1	43528756	43538198	9441	+
## 4930	1	43569778	43575910	6131	+
## 4931	1	43575927	43578810	2882	+
## 4932	1	43578920	43583082	4161	+
## 4933	1	43583093	43588731	5637	+
## 4934	1	43592601	43598720	6118	+
## 4935	1	43598913	43602071	3157	+
## 4936	1	43602097	43603416	1318	+
## 4937	1	43603533	43604903	1369	+
## 4938	1	43606968	43608324	1355	+
## 4939	1	43608335	43609383	1047	+
## 4940	1	43609498	43612768	3269	+
## 4941	1	43612800	43613618	817	+
## 4942	1	43700752	43702656	1903	-
## 4943	1	43709535	43718994	9458	-
## 4944	1	43719126	43720471	1344	-
## 4945	1	43720551	43727233	6681	-
## 4946	1	44008623	44024248	15624	-
## 4947	1	44010882	44017047	6164	-
## 4948	1	43970708	43971387	678	+
## 4949	1	43992004	43993890	1885	+
## 4950	1	43970312	43970596	283	+
## 4951	1	43970708	43970906	197	+
## 4952	1	44008623	44017047	8423	-
## 4953	1	44010096	44017047	6950	-
## 4954	1	44010096	44010771	674	-
## 4955	1	44010882	44011561	678	-
## 4956	1	44011722	44017047	5324	-
## 4957	1	43997739	44000767	3027	-
## 4958	1	44024362	44031088	6725	-
## 4959	1	43992004	43992523	518	+
## 4960	1	43992426	43992523	96	+
## 4961	1	43971189	43972158	968	+
## 4962	1	43980046	43981109	1062	+
## 4963	1	44001051	44001164	112	-
## 4964	1	44138011	44138664	652	-
## 4965	1	44118988	44129353	10364	+
## 4966	1	44130196	44130512	315	+
## 4967	1	44130756	44133238	2481	+
## 4968	1	44222649	44225766	3116	-
## 4969	1	44226003	44241915	15911	-

## 4970	1	44242080	44244245	2164	-
## 4971	1	44243997	44244245	247	-
## 4972	1	44806679	44806784	104	-
## 4973	1	44806838	44807241	402	-
## 4974	1	44806838	44807325	486	-
## 4975	1	44806675	44806784	108	-
## 4976	1	44746446	44747384	937	+
## 4977	1	44784985	44785108	122	-
## 4978	1	44785305	44785599	293	-
## 4979	1	44785676	44786074	397	-
## 4980	1	44786696	44787372	675	-
## 4981	1	44787466	44787554	87	-
## 4982	1	45330068	45330516	447	-
## 4983	1	45500413	45507305	6891	+
## 4984	1	45519054	45521609	2554	-
## 4985	1	45495545	45497299	1753	-
## 4986	1	45496623	45497304	680	-
## 4987	1	45499666	45499931	264	-
## 4988	1	45495545	45499345	3799	-
## 4989	1	45499440	45499532	91	-
## 4990	1	45621735	45621877	141	-
## 4991	1	45621995	45622241	245	-
## 4992	1	45623117	45623217	99	-
## 4993	1	45623412	45623557	144	-
## 4994	1	45623652	45623736	83	-
## 4995	1	45623439	45623557	117	-
## 4996	1	46067091	46131847	64755	-
## 4997	1	46077613	46131847	54233	-
## 4998	1	46043871	46046551	2679	-
## 4999	1	46080750	46130623	49872	-
## 5000	1	46080750	46132784	52033	-
## 5001	1	46080750	46131711	50960	-
## 5002	1	46046625	46061929	15303	-
## 5003	1	46131956	46132699	742	-
## 5004	1	46175629	46176228	598	-
## 5005	1	46189357	46189484	126	-
## 5006	1	46197871	46219705	21833	-
## 5007	1	46197084	46197308	223	-
## 5008	1	46197080	46197338	257	-
## 5009	1	46175409	46180526	5116	+
## 5010	1	46180658	46181100	441	+
## 5011	1	46181164	46184191	3026	+
## 5012	1	46184397	46184594	196	+
## 5013	1	46184668	46184785	116	+
## 5014	1	46184883	46184960	76	+
## 5015	1	46185115	46185225	109	+
## 5016	1	46185308	46185486	177	+
## 5017	1	46341865	46344801	2935	+
## 5018	1	46447145	46447452	306	-
## 5019	1	46447889	46449487	1597	-
## 5020	1	46436248	46439523	3274	+
## 5021	1	46439577	46440666	1088	+
## 5022	1	46507164	46510461	3296	+
## 5023	1	46510654	46510935	280	+

## 5024	1	46511283	46512043	759	+
## 5025	1	46489877	46490644	766	+
## 5026	1	46490783	46506999	16215	+
## 5027	1	46507164	46510476	3311	+
## 5028	1	46538794	46540930	2135	+
## 5029	1	46541009	46543694	2684	+
## 5030	1	46543768	46558225	14456	+
## 5031	1	46558342	46559670	1327	+
## 5032	1	46559811	46563512	3700	+
## 5033	1	46563576	46568206	4629	+
## 5034	1	46568297	46568482	184	+
## 5035	1	46547809	46549193	1383	-
## 5036	1	46549267	46549934	666	-
## 5037	1	46550002	46551065	1062	-
## 5038	1	46533650	46533939	288	-
## 5039	1	46534041	46535476	1434	-
## 5040	1	46613371	46614971	1599	-
## 5041	1	46549267	46551065	1797	-
## 5042	1	46674219	46682181	7961	+
## 5043	1	46682264	46686673	4408	+
## 5044	1	46686763	46691874	5110	+
## 5045	1	46674219	46686673	12453	+
## 5046	1	46671971	46672873	901	+
## 5047	1	46671971	46672952	980	+
## 5048	1	46671971	46673024	1052	+
## 5049	1	46843178	46844532	1353	-
## 5050	1	46844614	46845664	1049	-
## 5051	1	46845728	46859654	13925	-
## 5052	1	46859787	46867947	8159	-
## 5053	1	46868137	46873244	5106	-
## 5054	1	46873347	46882938	9590	-
## 5055	1	46883092	46883172	79	-
## 5056	1	46883296	46885456	2159	-
## 5057	1	46885583	46887251	1667	-
## 5058	1	46887295	46898843	11547	-
## 5059	1	46898984	46900258	1273	-
## 5060	1	46799261	46810808	11546	+
## 5061	1	46810949	46811140	190	+
## 5062	1	46811184	46812496	1311	+
## 5063	1	46812623	46813482	858	+
## 5064	1	46813606	46813909	302	+
## 5065	1	46814063	46814209	145	+
## 5066	1	46814315	46815074	758	+
## 5067	1	46815264	46817048	1783	+
## 5068	1	46817181	46817965	783	+
## 5069	1	46818029	46818131	101	+
## 5070	1	46818213	46818631	417	+
## 5071	1	46813606	46813912	305	+
## 5072	1	46799261	46812496	13234	+
## 5073	1	46810949	46812496	1546	+
## 5074	1	46813606	46813982	375	+
## 5075	1	47004369	47029990	25620	+
## 5076	1	47030131	47031436	1304	+
## 5077	1	47031480	47033241	1760	+

## 5078	1	47033368	47035806	2437	+
## 5079	1	47035933	47036017	83	+
## 5080	1	47036171	47038660	2488	+
## 5081	1	47038766	47039342	575	+
## 5082	1	47039532	47046467	6934	+
## 5083	1	47046600	47048565	1964	+
## 5084	1	47048629	47049422	792	+
## 5085	1	47049504	47050000	495	+
## 5086	1	46930310	46932761	2450	-
## 5087	1	46932837	46932983	145	-
## 5088	1	46933047	46933946	898	-
## 5089	1	46934079	46934453	373	-
## 5090	1	46934559	46935523	963	-
## 5091	1	46935647	46936664	1016	-
## 5092	1	46936791	46937302	510	-
## 5093	1	46937346	46937996	649	-
## 5094	1	46938137	46941239	3101	-
## 5095	1	46932837	46934453	1615	-
## 5096	1	46934079	46934176	96	-
## 5097	1	46934366	46934453	86	-
## 5098	1	46937346	46938015	668	-
## 5099	1	46934131	46934453	321	-
## 5100	1	46934559	46935000	440	-
## 5101	1	46935154	46935523	368	-
## 5102	1	46935058	46935523	464	-
## 5103	1	46961756	47029990	68233	+
## 5104	1	46932837	46933946	1108	-
## 5105	1	47023994	47029990	5995	+
## 5106	1	47137680	47140780	3099	+
## 5107	1	47140921	47141571	649	+
## 5108	1	47141615	47142108	492	+
## 5109	1	47142235	47143269	1033	+
## 5110	1	47143393	47143762	368	+
## 5111	1	47143916	47144357	440	+
## 5112	1	47144463	47144550	86	+
## 5113	1	47144740	47144837	96	+
## 5114	1	47144970	47145866	895	+
## 5115	1	47145930	47146077	146	+
## 5116	1	47146153	47148602	2448	+
## 5117	1	47067667	47068622	954	+
## 5118	1	47068763	47080623	11859	+
## 5119	1	47080667	47082334	1666	+
## 5120	1	47082461	47084620	2158	+
## 5121	1	47084744	47084824	79	+
## 5122	1	47084978	47094566	9587	+
## 5123	1	47094669	47099094	4424	+
## 5124	1	47099284	47106128	6843	+
## 5125	1	47106261	47115529	9267	+
## 5126	1	47115593	47116650	1056	+
## 5127	1	47116732	47117766	1033	+
## 5128	1	47143393	47144357	963	+
## 5129	1	47144463	47144785	321	+
## 5130	1	47314563	47314802	238	-
## 5131	1	47229351	47231848	2496	-

## 5132	1	47229351	47230910	1558	-
## 5133	1	47231041	47231848	806	-
## 5134	1	47313021	47314036	1014	-
## 5135	1	47313156	47314036	879	-
## 5136	1	47229351	47231657	2305	-
## 5137	1	47229771	47232167	2395	-
## 5138	1	47381143	47386248	5104	-
## 5139	1	47386356	47408320	21963	-
## 5140	1	47408475	47409682	1206	-
## 5141	1	47409901	47437290	27388	-
## 5142	1	49257477	49266143	8665	+
## 5143	1	49266246	49268082	1835	+
## 5144	1	49268259	49269069	809	+
## 5145	1	50177192	50179544	2351	+
## 5146	1	50419734	50420978	1243	-
## 5147	1	50421544	50423116	1571	-
## 5148	1	51197328	51234965	37636	-
## 5149	1	51306076	51309261	3184	-
## 5150	1	51309325	51311254	1928	-
## 5151	1	51312195	51312812	616	-
## 5152	1	51312943	51321721	8777	-
## 5153	1	51321825	51322118	292	-
## 5154	1	51309430	51311254	1823	-
## 5155	1	51321825	51330437	8611	-
## 5156	1	51294511	51297791	3279	-
## 5157	1	51321825	51330039	8213	-
## 5158	1	51296170	51297791	1620	-
## 5159	1	51329809	51330130	320	+
## 5160	1	51330213	51330872	658	+
## 5161	1	51321825	51344991	23165	-
## 5162	1	51562033	51563625	1591	-
## 5163	1	51563738	51566306	2567	-
## 5164	1	51566541	51567174	632	-
## 5165	1	51567332	51567752	419	-
## 5166	1	51567843	51569548	1704	-
## 5167	1	51569750	51573954	4203	-
## 5168	1	51574055	51582824	8768	-
## 5169	1	51582920	51583450	529	-
## 5170	1	51920114	51933318	13203	-
## 5171	1	51933442	51937294	3851	-
## 5172	1	51937412	51976890	39477	-
## 5173	1	51977117	51990552	13434	-
## 5174	1	52050965	52051784	818	+
## 5175	1	52051849	52052407	557	+
## 5176	1	52385949	52388457	2507	-
## 5177	1	52643002	52659401	16398	+
## 5178	1	52659580	52667399	7818	+
## 5179	1	52866567	52867539	971	+
## 5180	1	52854630	52860731	6100	+
## 5181	1	52897484	52904646	7161	-
## 5182	1	52914095	52921483	7387	-
## 5183	1	53088246	53088877	630	-
## 5184	1	53088979	53089800	820	-
## 5185	1	53089934	53090612	677	-

## 5186	1	53090806	53092554	1747	-
## 5187	1	53092787	53093461	673	-
## 5188	1	53093560	53103346	9785	-
## 5189	1	53103568	53105732	2163	-
## 5190	1	53105774	53134350	28575	-
## 5191	1	53134429	53142315	7885	-
## 5192	1	53108634	53114758	6123	-
## 5193	1	53114973	53134350	19376	-
## 5194	1	53105774	53114758	8983	-
## 5195	1	53090778	53092554	1775	-
## 5196	1	53090983	53092554	1570	-
## 5197	1	53239345	53241847	2501	+
## 5198	1	53271346	53280587	9240	-
## 5199	1	53439048	53439775	726	-
## 5200	1	53460030	53461473	1442	+
## 5201	1	53461645	53464637	2991	+
## 5202	1	53464847	53466595	1747	+
## 5203	1	53828053	53832490	4436	-
## 5204	1	53894355	53904666	10310	+
## 5205	1	53904809	53906095	1285	+
## 5206	1	53906294	53909931	3636	+
## 5207	1	53894547	53909931	15383	+
## 5208	1	53940097	53946237	6139	-
## 5209	1	53930116	53939985	9868	-
## 5210	1	53923947	53930076	6128	-
## 5211	1	53930145	53946237	16091	-
## 5212	1	53894547	53904666	10118	+
## 5213	1	53894547	53906095	11547	+
## 5214	1	53930137	53939985	9847	-
## 5215	1	53904809	53909931	5121	+
## 5216	1	53894355	53894439	83	+
## 5217	1	53894438	53904666	10227	+
## 5218	1	54009130	54010282	1151	-
## 5219	1	54010410	54012143	1732	-
## 5220	1	54012249	54017376	5126	-
## 5221	1	54017427	54018092	664	-
## 5222	1	54012280	54014236	1955	-
## 5223	1	54014364	54017376	3011	-
## 5224	1	54054524	54088597	34072	+
## 5225	1	54096844	54111052	14207	+
## 5226	1	54010410	54017376	6965	-
## 5227	1	54012280	54017376	5095	-
## 5228	1	54012280	54018092	5811	-
## 5229	1	54184265	54195419	11153	-
## 5230	1	54609941	54610412	470	-
## 5231	1	54610555	54611606	1050	-
## 5232	1	54611745	54612486	740	-
## 5233	1	54612710	54614700	1989	-
## 5234	1	54614859	54616020	1160	-
## 5235	1	54616172	54619864	3691	-
## 5236	1	54620007	54623278	3270	-
## 5237	1	54806220	54806996	775	+
## 5238	1	54807083	54807526	442	+
## 5239	1	54807690	54807889	198	+

## 5240	1	54808011	54811794	3782	+
## 5241	1	54811931	54812046	114	+
## 5242	1	54812189	54813814	1624	+
## 5243	1	54813975	54814914	938	+
## 5244	1	54815039	54816989	1949	+
## 5245	1	54817122	54841616	24493	+
## 5246	1	54841702	54841801	98	+
## 5247	1	54817122	54841801	24678	+
## 5248	1	54981080	54986097	5016	+
## 5249	1	54986446	54991836	5389	+
## 5250	1	54999363	55005022	5658	+
## 5251	1	55005116	55006997	1880	+
## 5252	1	55007272	55008214	941	+
## 5253	1	55217932	55233612	15679	+
## 5254	1	55916144	55921365	5220	-
## 5255	1	55921411	55944916	23504	-
## 5256	1	55945252	55949833	4580	+
## 5257	1	56415150	56415248	97	+
## 5258	1	56415342	56415533	190	+
## 5259	1	56415609	56415782	172	+
## 5260	1	56628054	56643500	15445	-
## 5261	1	56643624	56645218	1593	-
## 5262	1	56645481	56674381	28899	+
## 5263	1	56674522	56691394	16871	+
## 5264	1	56691487	56692358	870	+
## 5265	1	56692502	56693765	1262	+
## 5266	1	56693852	56695935	2082	+
## 5267	1	56696159	56703971	7811	+
## 5268	1	56704475	56706092	1616	+
## 5269	1	56706218	56707475	1256	+
## 5270	1	56929558	56931810	2251	-
## 5271	1	56931878	56933335	1456	-
## 5272	1	56933488	56940849	7360	-
## 5273	1	56941012	56943696	2683	-
## 5274	1	56943824	56945821	1996	-
## 5275	1	56946061	56949555	3493	-
## 5276	1	56949752	56952048	2295	-
## 5277	1	56952180	56954686	2505	-
## 5278	1	56954827	56956769	1941	-
## 5279	1	56956910	56960020	3109	-
## 5280	1	56960176	56963772	3595	-
## 5281	1	56963993	56965857	1863	-
## 5282	1	56960176	56965857	5680	-
## 5283	1	56956910	56959529	2618	-
## 5284	1	56959657	56960020	362	-
## 5285	1	57860919	57862456	1536	+
## 5286	1	57861033	57862456	1422	+
## 5287	1	57860872	57862456	1583	+
## 5288	1	57860909	57862456	1546	+
## 5289	1	59021577	59088015	66437	+
## 5290	1	59132746	59133231	484	-
## 5291	1	59133330	59146676	13345	-
## 5292	1	59773037	59774051	1013	+
## 5293	1	59774124	59788619	14494	+

## 5294	1	60954602	60969931	15328	-
## 5295	1	60970065	60970548	482	-
## 5296	1	61249109	61249948	838	-
## 5297	1	61249981	61251285	1303	-
## 5298	1	61251369	61253411	2041	-
## 5299	1	61723784	61724955	1170	-
## 5300	1	62194921	62196435	1513	+
## 5301	1	62196528	62203447	6918	+
## 5302	1	62203557	62206519	2961	+
## 5303	1	62207636	62209783	2146	+
## 5304	1	62196528	62206519	9990	+
## 5305	1	62436467	62439799	3331	+
## 5306	1	62598061	62598696	634	+
## 5307	1	62598806	62601082	2275	+
## 5308	1	62601196	62601769	572	+
## 5309	1	62601882	62602285	402	+
## 5310	1	62602380	62603969	1588	+
## 5311	1	62604235	62604633	397	+
## 5312	1	63000803	63010878	10074	-
## 5313	1	63000803	63011086	10282	-
## 5314	1	63000803	63012334	11530	-
## 5315	1	63321190	63321367	176	-
## 5316	1	63321463	63324355	2891	-
## 5317	1	63321463	63323491	2027	-
## 5318	1	63321463	63322316	852	-
## 5319	1	63321463	63321665	201	-
## 5320	1	63322080	63322316	235	-
## 5321	1	63508570	63510065	1494	-
## 5322	1	63623760	63629425	5664	+
## 5323	1	63594144	63629425	35280	+
## 5324	1	64095204	64108320	13115	-
## 5325	1	64108393	64110650	2256	-
## 5326	1	64110793	64110883	89	-
## 5327	1	64110957	64111112	154	-
## 5328	1	64111369	64111946	576	-
## 5329	1	64107039	64110650	3610	-
## 5330	1	64110957	64113629	2671	-
## 5331	1	64979732	64979811	78	-
## 5332	1	64979868	64987263	7394	-
## 5333	1	64987673	64989435	1761	-
## 5334	1	64991441	64994987	3545	-
## 5335	1	64995088	65002329	7240	-
## 5336	1	65420740	65421328	587	+
## 5337	1	66042731	66046226	3494	-
## 5338	1	66046261	66050531	4269	-
## 5339	1	66354894	66355527	632	+
## 5340	1	66798245	66801047	2801	-
## 5341	1	67686126	67687661	1534	+
## 5342	1	68050798	68050884	85	-
## 5343	1	68050997	68051425	427	-
## 5344	1	68529479	68537632	8152	+
## 5345	1	68429927	68431065	1137	-
## 5346	1	68431176	68431282	105	-
## 5347	1	68431376	68431471	94	-

## 5348	1	68431585	68438187	6601	-
## 5349	1	68438316	68438942	625	-
## 5350	1	68439081	68439191	109	-
## 5351	1	68439323	68439561	237	-
## 5352	1	68439642	68440853	1210	-
## 5353	1	68441000	68444531	3530	-
## 5354	1	68444672	68444776	103	-
## 5355	1	68444883	68446710	1826	-
## 5356	1	68446860	68448624	1763	-
## 5357	1	68448706	68449895	1188	-
## 5358	1	69433305	69435003	1697	+
## 5359	1	70355208	70366146	10937	+
## 5360	1	70421675	70429794	8118	+
## 5361	1	71047589	71048814	1224	+
## 5362	1	71048988	71066766	17777	+
## 5363	1	73306274	73307168	893	+
## 5364	1	73307363	73310853	3489	+
## 5365	1	73310990	73335446	24455	+
## 5366	1	73674776	73699751	24974	+
## 5367	1	73699843	73709144	9300	+
## 5368	1	73709425	73735761	26335	+
## 5369	1	74204456	74205219	762	+
## 5370	1	74201410	74205208	3797	+
## 5371	1	74472201	74475295	3093	-
## 5372	1	74475810	74480153	4342	-
## 5373	1	74480968	74512526	31557	-
## 5374	1	74480968	74483262	2293	-
## 5375	1	74483375	74512526	29150	-
## 5376	1	74589907	74615206	25298	+
## 5377	1	74733531	74736542	3010	+
## 5378	1	75134954	75136603	1648	+
## 5379	1	75136689	75137100	410	+
## 5380	1	75137261	75140985	3723	+
## 5381	1	75141106	75143118	2011	+
## 5382	1	75143338	75143845	506	+
## 5383	1	75143948	75148587	4638	+
## 5384	1	75148682	75156893	8210	+
## 5385	1	75157076	75160819	3742	+
## 5386	1	75128608	75130226	1617	+
## 5387	1	75130732	75136603	5870	+
## 5388	1	76011398	76013260	1861	+
## 5389	1	76013330	76019134	5803	+
## 5390	1	75919158	75922080	2921	-
## 5391	1	75922297	75931891	9593	-
## 5392	1	75922359	75931891	9531	-
## 5393	1	76758168	76758280	111	-
## 5394	1	76758404	76778990	20585	-
## 5395	1	77881898	77887600	5701	-
## 5396	1	77889268	77889468	199	-
## 5397	1	77916133	77917566	1432	+
## 5398	1	77917757	77917960	202	+
## 5399	1	82975118	82979061	3942	-
## 5400	1	82979286	82984860	5573	-
## 5401	1	82979286	82986149	6862	-

## 5402	1	83446674	83454658	7983	+
## 5403	1	83803251	83849907	46655	-
## 5404	1	83850022	83860408	10385	-
## 5405	1	84165013	84175033	10019	+
## 5406	1	84175056	84175799	742	+
## 5407	1	84165013	84173329	8315	+
## 5408	1	84173352	84175033	1680	+
## 5409	1	84175056	84179177	4120	+
## 5410	1	84164422	84173329	8906	+
## 5411	1	84181728	84182200	471	+
## 5412	1	84164422	84175033	10610	+
## 5413	1	84365495	84365589	93	-
## 5414	1	84365681	84367650	1968	-
## 5415	1	84367740	84369904	2163	-
## 5416	1	84370027	84372042	2014	-
## 5417	1	84372228	84381814	9585	-
## 5418	1	84381892	84384593	2700	-
## 5419	1	84598096	84618733	20636	-
## 5420	1	84618884	84620757	1872	-
## 5421	1	84630887	84631610	722	-
## 5422	1	84631746	84634932	3185	-
## 5423	1	84866138	84893016	26877	-
## 5424	1	85034251	85045133	10881	-
## 5425	1	85707936	85708054	117	-
## 5426	1	86424433	86425339	905	+
## 5427	1	86425476	86428418	2941	+
## 5428	1	86428568	86430862	2293	+
## 5429	1	86430970	86432369	1398	+
## 5430	1	86432528	86434518	1989	+
## 5431	1	86434745	86438876	4130	+
## 5432	1	86439106	86440148	1041	+
## 5433	1	86440325	86441437	1111	+
## 5434	1	86441543	86443787	2243	+
## 5435	1	86444011	86447508	3496	+
## 5436	1	86447778	86450563	2784	+
## 5437	1	86450733	86453369	2635	+
## 5438	1	86453602	86455085	1482	+
## 5439	1	86469133	86473417	4283	+
## 5440	1	86473557	86473729	171	+
## 5441	1	86473876	86476448	2571	+
## 5442	1	86476553	86482205	5651	+
## 5443	1	86482382	86485343	2960	+
## 5444	1	86485561	86486526	964	+
## 5445	1	86486753	86488996	2242	+
## 5446	1	86489170	86491265	2094	+
## 5447	1	86491371	86493384	2012	+
## 5448	1	86493599	86494187	587	+
## 5449	1	86494448	86495505	1056	+
## 5450	1	86495675	86498572	2896	+
## 5451	1	86498811	86499654	842	+
## 5452	1	86547278	86559932	12653	+
## 5453	1	86560072	86560211	138	+
## 5454	1	86560358	86565274	4915	+
## 5455	1	86565451	86565802	350	+

## 5456	1	86566020	86567424	1403	+
## 5457	1	86567651	86571077	3425	+
## 5458	1	86571254	86572614	1359	+
## 5459	1	86572720	86574540	1819	+
## 5460	1	86574755	86575332	576	+
## 5461	1	86575599	86577902	2302	+
## 5462	1	86578072	86579354	1281	+
## 5463	1	86579587	86579942	354	+
## 5464	1	86560358	86563661	3302	+
## 5465	1	86563769	86565274	1504	+
## 5466	1	87132259	87132664	404	+
## 5467	1	87132863	87133614	750	+
## 5468	1	87132259	87133614	1354	+
## 5469	1	87212804	87220183	7378	+
## 5470	1	87220344	87243615	23270	+
## 5471	1	87243637	87250501	6863	+
## 5472	1	87353867	87354844	976	-
## 5473	1	87355198	87357576	2377	-
## 5474	1	87357678	87371569	13890	-
## 5475	1	88921238	88936099	14860	-
## 5476	1	88992758	88992887	128	-
## 5477	1	88992748	88992887	138	-
## 5478	1	89132403	89133258	854	-
## 5479	1	89133451	89141546	8094	-
## 5480	1	89141648	89147567	5918	-
## 5481	1	89147779	89149292	1512	-
## 5482	1	89149572	89150330	757	-
## 5483	1	89150575	89152268	1692	-
## 5484	1	89152464	89152668	203	-
## 5485	1	89152777	89164731	11953	-
## 5486	1	89164858	89171746	6887	-
## 5487	1	89171954	89175921	3966	-
## 5488	1	89364127	89378103	13975	+
## 5489	1	89378212	89378417	204	+
## 5490	1	89378613	89380386	1772	+
## 5491	1	89380631	89381694	1062	+
## 5492	1	89381974	89382664	689	+
## 5493	1	89382876	89383652	775	+
## 5494	1	89383754	89384093	338	+
## 5495	1	89384286	89385230	943	+
## 5496	1	89364127	89368529	4401	+
## 5497	1	89368741	89369546	804	+
## 5498	1	89369673	89378103	8429	+
## 5499	1	89421220	89424258	3037	+
## 5500	1	89625205	89632016	6810	-
## 5501	1	89525022	89526962	1939	+
## 5502	1	89526986	89549915	22928	+
## 5503	1	89549971	89558711	8739	+
## 5504	1	89526986	89568247	41260	+
## 5505	1	90005244	90007612	2367	+
## 5506	1	90712624	90714531	1906	-
## 5507	1	90714756	90716571	1814	-
## 5508	1	90852279	90854228	1948	+
## 5509	1	92032590	92042823	10232	+

## 5510	1	92042980	92045532	2551	+
## 5511	1	92218048	92231382	13333	+
## 5512	1	92231486	92242212	10725	+
## 5513	1	92242305	92244217	1911	+
## 5514	1	92244385	92244779	393	+
## 5515	1	92244857	92245540	682	+
## 5516	1	92876430	92876961	530	-
## 5517	1	92834880	92836227	1346	+
## 5518	1	93584121	93584972	850	-
## 5519	1	93594449	93598917	4467	+
## 5520	1	93598990	93599161	170	+
## 5521	1	93754346	93775197	20850	-
## 5522	1	94190056	94201720	11663	-
## 5523	1	94231643	94237415	5771	-
## 5524	1	94220392	94237415	17022	-
## 5525	1	94820478	94820949	470	+
## 5526	1	94864899	94867334	2434	+
## 5527	1	94820478	94824493	4014	+
## 5528	1	94827547	94828493	945	+
## 5529	1	94824635	94825833	1197	+
## 5530	1	94825942	94827507	1564	+
## 5531	1	94820723	94824493	3769	+
## 5532	1	94867417	94888658	21240	+
## 5533	1	94888692	94891130	2437	+
## 5534	1	94891267	94894818	3550	+
## 5535	1	94903524	94925633	22108	-
## 5536	1	94928402	94931872	3469	+
## 5537	1	94931985	94961317	29331	+
## 5538	1	94961433	94962925	1491	+
## 5539	1	94926740	94931872	5131	+
## 5540	1	94931985	94962979	30993	+
## 5541	1	94901785	94903122	1336	-
## 5542	1	95062189	95067044	4854	+
## 5543	1	95165198	95180334	15135	-
## 5544	1	95180359	95205096	24736	-
## 5545	1	95205133	95221686	16552	-
## 5546	1	95221831	95233700	11868	-
## 5547	1	95165198	95205096	39897	-
## 5548	1	95244715	95246756	2040	+
## 5549	1	95239810	95244565	4754	+
## 5550	1	95311193	95318148	6954	-
## 5551	1	95351629	95352032	402	-
## 5552	1	95475175	95475314	138	+
## 5553	1	95475374	95476744	1369	+
## 5554	1	95476980	95477339	358	+
## 5555	1	95510362	95512520	2157	+
## 5556	1	95512622	95514151	1528	+
## 5557	1	95510362	95514151	3788	+
## 5558	1	95992122	95992403	280	+
## 5559	1	95992509	95996121	3611	+
## 5560	1	95996194	96006193	9998	+
## 5561	1	96006421	96022533	16111	+
## 5562	1	97797072	97797215	142	+
## 5563	1	97797295	97797468	172	+

## 5564	1	97934169	97941573	7403	-
## 5565	1	98210810	98249446	38635	+
## 5566	1	98249546	98270595	21048	+
## 5567	1	99264671	99287965	23293	+
## 5568	1	99288150	99296738	8587	+
## 5569	1	99296867	99299035	2167	+
## 5570	1	99299230	99300909	1678	+
## 5571	1	99300966	99305685	4718	+
## 5572	1	99300966	99301724	757	+
## 5573	1	99301897	99305685	3787	+
## 5574	1	100122484	100125882	3397	-
## 5575	1	100149097	100149366	268	-
## 5576	1	100149435	100152385	2949	-
## 5577	1	100173370	100178118	4747	-
## 5578	1	100168594	100178135	9540	-
## 5579	1	100173370	100178135	4764	-
## 5580	1	100627302	100628825	1522	-
## 5581	1	100628942	100640489	11546	-
## 5582	1	100640772	100645170	4397	-
## 5583	1	100645235	100646903	1667	-
## 5584	1	100720565	100723020	2454	+
## 5585	1	100724890	100731198	6307	+
## 5586	1	100874430	100877476	3045	-
## 5587	1	100877903	100880921	3017	-
## 5588	1	100881051	100888753	7701	-
## 5589	1	100876861	100877476	614	-
## 5590	1	100877903	100878424	520	-
## 5591	1	101235881	101236325	443	-
## 5592	1	101323875	101343839	19963	+
## 5593	1	101343995	101345763	1767	+
## 5594	1	101345845	101350047	4201	+
## 5595	1	101350185	101377258	27072	+
## 5596	1	101872105	101893057	20951	+
## 5597	1	103418224	103418745	520	-
## 5598	1	103418815	103429287	10471	-
## 5599	1	103429373	103432891	3517	-
## 5600	1	103433096	103469342	36245	-
## 5601	1	103469390	103525396	56005	-
## 5602	1	103433096	103525396	92299	-
## 5603	1	103418224	103429287	11062	-
## 5604	1	103617608	103617954	345	+
## 5605	1	103618100	103618911	810	+
## 5606	1	103619108	103619554	445	+
## 5607	1	103619784	103620551	766	+
## 5608	1	103620684	103621577	892	+
## 5609	1	103621699	103621794	94	+
## 5610	1	103621893	103623866	1972	+
## 5611	1	103623984	103624096	111	+
## 5612	1	103624221	103625557	1335	+
## 5613	1	103655928	103656285	356	+
## 5614	1	103656498	103656844	345	+
## 5615	1	103656990	103657794	803	+
## 5616	1	103657991	103658440	448	+
## 5617	1	103658670	103659410	739	+

## 5618	1	103659543	103660360	816	+
## 5619	1	103660482	103660577	94	+
## 5620	1	103660676	103662657	1980	+
## 5621	1	103655686	103656285	598	+
## 5622	1	103749824	103750424	599	+
## 5623	1	103750637	103750983	345	+
## 5624	1	103751129	103751933	803	+
## 5625	1	103752130	103752579	448	+
## 5626	1	103752809	103753549	739	+
## 5627	1	103753682	103754499	816	+
## 5628	1	103754621	103754715	93	+
## 5629	1	103754814	103756795	1980	+
## 5630	1	103750066	103750424	357	+
## 5631	1	103689312	103691294	1981	-
## 5632	1	103691393	103691488	94	-
## 5633	1	103691610	103692427	816	-
## 5634	1	103692560	103693300	739	-
## 5635	1	103693530	103693979	448	-
## 5636	1	103694176	103694980	803	-
## 5637	1	103695126	103695472	345	-
## 5638	1	103695685	103696042	356	-
## 5639	1	103695685	103696284	598	-
## 5640	1	104073904	104076745	2840	+
## 5641	1	105589785	105604163	14377	-
## 5642	1	105604265	105605935	1669	-
## 5643	1	105606089	105618859	12769	-
## 5644	1	105603558	105604163	604	-
## 5645	1	105606089	105618775	12685	-
## 5646	1	105927714	105988450	60735	-
## 5647	1	105988507	105992166	3658	-
## 5648	1	105992344	106023082	30737	-
## 5649	1	106023212	106027203	3990	-
## 5650	1	106027282	106027806	523	-
## 5651	1	108232428	108233160	731	-
## 5652	1	108233211	108234242	1030	-
## 5653	1	108234411	108235236	824	-
## 5654	1	108235287	108236270	982	-
## 5655	1	108236409	108237287	877	-
## 5656	1	108238959	108239828	868	-
## 5657	1	108239906	108240950	1043	-
## 5658	1	108241164	108242074	909	-
## 5659	1	108242173	108243584	1410	-
## 5660	1	108243796	108243899	102	-
## 5661	1	108450464	108450567	102	+
## 5662	1	108450779	108452190	1410	+
## 5663	1	108452289	108453181	891	+
## 5664	1	108453395	108454439	1043	+
## 5665	1	108454517	108455386	868	+
## 5666	1	108457058	108457248	189	+
## 5667	1	108457334	108457936	601	+
## 5668	1	108461184	108461916	731	+
## 5669	1	108462088	108465188	3099	+
## 5670	1	108457058	108457936	877	+
## 5671	1	108712996	108713511	514	+

## 5672	1	108713529	108717777	4247	+
## 5673	1	108718031	108718789	757	+
## 5674	1	108719049	108722335	3285	+
## 5675	1	108722592	108725750	3157	+
## 5676	1	108726004	108727808	1803	+
## 5677	1	108728065	108728632	566	+
## 5678	1	108728886	108730674	1787	+
## 5679	1	108730928	108733272	2343	+
## 5680	1	108733532	108737495	3962	+
## 5681	1	108737524	108741773	4248	+
## 5682	1	108741841	108741925	83	+
## 5683	1	108857501	108858158	656	+
## 5684	1	108858267	108858385	117	+
## 5685	1	108816302	108817048	745	-
## 5686	1	108817177	108823370	6192	-
## 5687	1	108823477	108823566	88	-
## 5688	1	108827302	108830559	3256	-
## 5689	1	108830650	108837550	6899	-
## 5690	1	108837706	108843134	5427	-
## 5691	1	108843267	108848752	5484	-
## 5692	1	108848814	108848912	97	-
## 5693	1	108849060	108849537	476	-
## 5694	1	108849576	108851672	2095	-
## 5695	1	108852767	108856929	4161	-
## 5696	1	108857060	108858058	997	-
## 5697	1	108817177	108820545	3367	-
## 5698	1	108820626	108823370	2743	-
## 5699	1	108830650	108834447	3796	-
## 5700	1	108834528	108834929	400	-
## 5701	1	108835056	108837550	2493	-
## 5702	1	108941498	108947611	6112	-
## 5703	1	109004718	109010916	6197	-
## 5704	1	108962469	108963401	931	-
## 5705	1	108962469	108963397	927	-
## 5706	1	108939782	108947611	7828	-
## 5707	1	108943907	108947611	3703	-
## 5708	1	108938308	108939636	1327	-
## 5709	1	109011718	109013820	2101	-
## 5710	1	108950448	108963401	12952	-
## 5711	1	108947718	108950309	2590	-
## 5712	1	108950448	108963381	12932	-
## 5713	1	108962469	108963377	907	-
## 5714	1	108950438	108962309	11870	-
## 5715	1	109106659	109107007	347	-
## 5716	1	109107122	109107921	798	-
## 5717	1	109108037	109112599	4561	-
## 5718	1	109108037	109113633	5595	-
## 5719	1	109090882	109091660	777	+
## 5720	1	109091748	109092890	1141	+
## 5721	1	109107122	109113633	6510	-
## 5722	1	109107122	109112599	5476	-
## 5723	1	109108067	109113633	5565	-
## 5724	1	109106659	109113633	6973	-
## 5725	1	109292588	109294206	1617	-

## 5726	1	109296942	109297050	107	-
## 5727	1	109297189	109297422	232	-
## 5728	1	109273670	109274022	351	+
## 5729	1	109282736	109283028	291	-
## 5730	1	109297189	109297491	301	-
## 5731	1	109187670	109188177	506	+
## 5732	1	109466897	109467059	161	+
## 5733	1	109467133	109475581	8447	+
## 5734	1	109475705	109476776	1070	+
## 5735	1	109476977	109477818	840	+
## 5736	1	109478009	109479378	1368	+
## 5737	1	109487217	109487614	396	+
## 5738	1	109494623	109495756	1132	+
## 5739	1	109484080	109485332	1251	+
## 5740	1	109485518	109486057	538	+
## 5741	1	109539953	109542422	2468	+
## 5742	1	109544639	109545311	671	+
## 5743	1	109603544	109603951	406	-
## 5744	1	109604104	109605970	1865	-
## 5745	1	109606099	109606308	208	-
## 5746	1	109606436	109608631	2194	-
## 5747	1	109608788	109610040	1251	-
## 5748	1	109610181	109610465	283	-
## 5749	1	109610507	109612753	2245	-
## 5750	1	109612923	109619575	6651	-
## 5751	1	109671583	109681809	10225	+
## 5752	1	109681834	109683207	1372	+
## 5753	1	109612923	109619483	6559	-
## 5754	1	109740511	109740953	441	-
## 5755	1	109750402	109750660	257	-
## 5756	1	109750792	109751278	485	-
## 5757	1	109751351	109751654	302	-
## 5758	1	109751782	109751995	212	-
## 5759	1	109752103	109752686	582	-
## 5760	1	109752720	109753117	396	-
## 5761	1	109753198	109757017	3818	-
## 5762	1	109757165	109757481	315	-
## 5763	1	109757555	109757802	246	-
## 5764	1	109757863	109757944	80	-
## 5765	1	109758058	109758316	257	-
## 5766	1	109758431	109758524	92	-
## 5767	1	109758666	109759062	395	-
## 5768	1	109759117	109759238	120	-
## 5769	1	109759387	109759678	290	-
## 5770	1	109759836	109761495	1658	-
## 5771	1	109761559	109763822	2262	-
## 5772	1	109758663	109759062	398	-
## 5773	1	109761559	109761719	159	-
## 5774	1	109761773	109763822	2048	-
## 5775	1	109752193	109752686	492	-
## 5776	1	109923711	109924060	348	+
## 5777	1	110031640	110037891	6250	+
## 5778	1	110004440	110009034	4593	+
## 5779	1	110000988	110002230	1241	+

## 5780	1	110002317	110009034	6716	+
## 5781	1	109985543	110009034	23490	+
## 5782	1	110064903	110070336	5432	-
## 5783	1	110209204	110209611	406	-
## 5784	1	110150883	110166843	15959	+
## 5785	1	110167215	110172060	4844	+
## 5786	1	110172217	110173973	1755	+
## 5787	1	110174099	110174779	679	+
## 5788	1	110174960	110176629	1668	+
## 5789	1	110176739	110191972	15232	+
## 5790	1	110192213	110192506	292	+
## 5791	1	110192698	110194579	1880	+
## 5792	1	110194771	110195586	814	+
## 5793	1	110195745	110197437	1691	+
## 5794	1	110197599	110198076	476	+
## 5795	1	110288571	110292387	3815	-
## 5796	1	110292507	110318765	26257	-
## 5797	1	110489907	110490136	228	-
## 5798	1	110363893	110375458	11564	-
## 5799	1	110375551	110376950	1398	-
## 5800	1	110377161	110380982	3820	-
## 5801	1	110381143	110381652	508	-
## 5802	1	110381795	110382834	1038	-
## 5803	1	110382966	110389237	6270	-
## 5804	1	110389355	110390865	1509	-
## 5805	1	110381795	110389237	7441	-
## 5806	1	110480827	110482775	1947	+
## 5807	1	110482925	110483914	988	+
## 5808	1	110484031	110484827	795	+
## 5809	1	110484944	110486886	1941	+
## 5810	1	110487085	110488523	1437	+
## 5811	1	110488634	110489427	792	+
## 5812	1	110489571	110490172	600	+
## 5813	1	110490270	110491034	763	+
## 5814	1	110363913	110375458	11544	-
## 5815	1	110377161	110378853	1691	-
## 5816	1	110379356	110380982	1625	-
## 5817	1	110381143	110389237	8093	-
## 5818	1	110381143	110382834	1690	-
## 5819	1	110451288	110453961	2672	+
## 5820	1	110454086	110456232	2145	+
## 5821	1	110605722	110606228	505	-
## 5822	1	110659586	110668223	8636	-
## 5823	1	110668341	110671476	3134	-
## 5824	1	110668344	110673237	4892	-
## 5825	1	111227769	111230742	2972	+
## 5826	1	111227769	111229852	2082	+
## 5827	1	111290950	111310400	19449	+
## 5828	1	111310492	111311689	1196	+
## 5829	1	111311718	111314540	2821	+
## 5830	1	111314596	111315734	1137	+
## 5831	1	111315872	111317681	1808	+
## 5832	1	111317805	111317986	180	+
## 5833	1	111318109	111318493	383	+

## 5834	1	111318678	111319120	441	+
## 5835	1	111319239	111319327	87	+
## 5836	1	111319468	111320213	744	+
## 5837	1	111347049	111350106	3056	+
## 5838	1	111314596	111315270	673	+
## 5839	1	111315435	111317681	2245	+
## 5840	1	111384595	111386737	2141	-
## 5841	1	111386858	111388254	1395	-
## 5842	1	111388453	111389148	694	-
## 5843	1	111389266	111389762	495	-
## 5844	1	111290950	111311689	20738	+
## 5845	1	111347049	111348516	1466	+
## 5846	1	111290950	111314540	23589	+
## 5847	1	111314596	111317681	3084	+
## 5848	1	111311718	111312190	471	+
## 5849	1	111312391	111314540	2148	+
## 5850	1	111280553	111281551	997	+
## 5851	1	111282475	111282571	95	+
## 5852	1	111282736	111282981	244	+
## 5853	1	111283105	111283286	180	+
## 5854	1	111283409	111284065	655	+
## 5855	1	111284249	111284746	496	+
## 5856	1	111284865	111284981	115	+
## 5857	1	111315435	111315734	298	+
## 5858	1	111347049	111347674	624	+
## 5859	1	111427091	111427697	605	-
## 5860	1	111444124	111448619	4494	-
## 5861	1	111441383	111442025	641	-
## 5862	1	111500556	111503499	2942	-
## 5863	1	111500620	111503005	2384	-
## 5864	1	111490762	111503005	12242	-
## 5865	1	111620216	111620324	107	-
## 5866	1	111740077	111744375	4297	+
## 5867	1	111740077	111746060	5982	+
## 5868	1	111747704	111753098	5393	-
## 5869	1	111753254	111755288	2033	-
## 5870	1	111854049	111856818	2768	-
## 5871	1	111909716	111909842	125	+
## 5872	1	111909893	111910123	229	+
## 5873	1	111910313	111910786	472	+
## 5874	1	111991187	111996427	5239	+
## 5875	1	112509444	112514874	5429	+
## 5876	1	112515094	112516140	1045	+
## 5877	1	112516417	112517121	703	+
## 5878	1	112517385	112520280	2894	+
## 5879	1	112491081	112514874	23792	+
## 5880	1	112467591	112514874	47282	+
## 5881	1	112705168	112706833	1664	-
## 5882	1	112674630	112674848	217	+
## 5883	1	112820541	112823653	3111	-
## 5884	1	112823754	112825513	1758	-
## 5885	1	112825672	112828477	2804	-
## 5886	1	112828511	112840488	11976	-
## 5887	1	112840580	112848954	8373	-

## 5888	1	112849050	112849680	629	-
## 5889	1	112960575	112963972	3396	+
## 5890	1	112929352	112955276	25923	-
## 5891	1	113013839	113048423	34583	-
## 5892	1	113048561	113072939	24377	-
## 5893	1	113198690	113201773	3082	-
## 5894	1	113201842	113206062	4219	-
## 5895	1	113726574	113757699	31124	-
## 5896	1	113758733	113759772	1038	-
## 5897	1	113812825	113814387	1561	+
## 5898	1	113814491	113815378	886	+
## 5899	1	113815472	113897868	82395	+
## 5900	1	113897989	113899872	1882	+
## 5901	1	113856724	113857536	811	+
## 5902	1	113857657	113857983	325	+
## 5903	1	113858016	113897868	39851	+
## 5904	1	113838620	113854471	15850	-
## 5905	1	113924332	113926628	2295	-
## 5906	1	113926741	113926853	111	-
## 5907	1	113927822	113928244	421	-
## 5908	1	113928388	113928703	314	-
## 5909	1	113928388	113929362	973	-
## 5910	1	113979630	113979975	344	+
## 5911	1	113980126	113980332	205	+
## 5912	1	113911838	113912132	293	+
## 5913	1	113951292	113952766	1473	+
## 5914	1	113979630	113980203	572	+
## 5915	1	113953932	113954626	693	+
## 5916	1	113904708	113905469	760	+
## 5917	1	114092082	114093735	1652	-
## 5918	1	114093803	114097727	3923	-
## 5919	1	114097877	114099094	1216	-
## 5920	1	114099265	114103601	4335	-
## 5921	1	114103721	114137495	33773	-
## 5922	1	114138053	114139615	1561	-
## 5923	1	114139880	114153610	13729	-
## 5924	1	114092082	114097727	5644	-
## 5925	1	114093803	114097748	3944	-
## 5926	1	114139963	114153610	13646	-
## 5927	1	114139963	114152766	12802	-
## 5928	1	114139880	114152218	12337	-
## 5929	1	114585631	114587387	1755	-
## 5930	1	114594578	114595832	1253	-
## 5931	1	114595873	114599274	3400	-
## 5932	1	114600352	114600820	467	-
## 5933	1	114601585	114602125	539	-
## 5934	1	114608873	114611073	2199	-
## 5935	1	114618482	114622987	4504	-
## 5936	1	114623099	114623507	407	-
## 5937	1	114623643	114625179	1535	-
## 5938	1	114626188	114669983	43794	-
## 5939	1	114618482	114621895	3412	-
## 5940	1	114622065	114622987	921	-
## 5941	1	114626188	114645448	19259	-

## 5942	1	114645559	114654505	8945	-
## 5943	1	114654761	114669983	15221	-
## 5944	1	115029860	115033362	3501	+
## 5945	1	115033524	115033973	448	+
## 5946	1	115286807	115293627	6819	-
## 5947	1	115293750	115338204	44453	-
## 5948	1	115642706	115651277	8570	+
## 5949	1	115659767	115663661	3893	+
## 5950	1	115838380	115840216	1835	-
## 5951	1	115840544	115840948	403	-
## 5952	1	115919559	115922367	2807	+
## 5953	1	115922445	115924776	2330	+
## 5954	1	115922612	115924071	1458	-
## 5955	1	115924152	115924813	660	-
## 5956	1	115925010	115959513	34502	-
## 5957	1	115959590	115977097	17506	-
## 5958	1	116393026	116400896	7869	-
## 5959	1	116401131	116418459	17327	-
## 5960	1	116399314	116400896	1581	-
## 5961	1	116406148	116406928	779	-
## 5962	1	116407195	116418459	11263	-
## 5963	1	116406148	116411261	5112	-
## 5964	1	116411315	116418459	7143	-
## 5965	1	116423915	116428382	4466	-
## 5966	1	116428494	116478052	49557	-
## 5967	1	116478172	116478781	608	-
## 5968	1	116453168	116455065	1896	-
## 5969	1	116455215	116474234	19018	-
## 5970	1	116474338	116478781	4442	-
## 5971	1	116760632	116764406	3773	+
## 5972	1	116694197	116694759	561	+
## 5973	1	116694855	116705949	11093	+
## 5974	1	116706004	116706457	452	+
## 5975	1	117010230	117011736	1505	+
## 5976	1	117596994	117604789	7794	-
## 5977	1	117604936	117605646	709	-
## 5978	1	119000890	119001269	378	-
## 5979	1	119000893	119001290	396	-
## 5980	1	118885516	118899028	13511	-
## 5981	1	118899125	118914115	14989	-
## 5982	1	118914179	118923436	9256	-
## 5983	1	118923603	118924646	1042	-
## 5984	1	118924817	118926510	1692	-
## 5985	1	118926611	118931619	5007	-
## 5986	1	118931832	118987591	55758	-
## 5987	1	118931832	118989355	57522	-
## 5988	1	119047532	119062854	15321	+
## 5989	1	119034213	119045582	11368	-
## 5990	1	119045662	119140555	94892	-
## 5991	1	119076607	119140268	63660	-
## 5992	1	119033388	119034095	706	-
## 5993	1	119124683	119140268	15584	-
## 5994	1	119328287	119328744	456	+
## 5995	1	119328789	119354417	25627	+

## 5996	1	119354533	119355991	1457	+
## 5997	1	119369008	119370084	1075	+
## 5998	1	119368902	119380504	11601	+
## 5999	1	119380723	119381078	354	+
## 6000	1	119381216	119382915	1698	+
## 6001	1	119383066	119384776	1709	+
## 6002	1	119385053	119392110	7056	+
## 6003	1	119392268	119392618	349	+
## 6004	1	119392687	119393785	1097	+
## 6005	1	119368902	119381078	12175	+
## 6006	1	119385053	119386622	1568	+
## 6007	1	119386831	119392110	5278	+
## 6008	1	119415202	119415331	128	+
## 6009	1	119415561	119419418	3856	+
## 6010	1	119419582	119421809	2226	+
## 6011	1	119507212	119507392	179	+
## 6012	1	119507621	119511503	3881	+
## 6013	1	119511667	119513834	2166	+
## 6014	1	119507262	119507392	129	+
## 6015	1	119415090	119415331	240	+
## 6016	1	119626137	119647691	21553	-
## 6017	1	119748841	119750797	1955	-
## 6018	1	119750908	119752549	1640	-
## 6019	1	119752674	119753280	605	-
## 6020	1	119753386	119755427	2040	-
## 6021	1	119755597	119757273	1675	-
## 6022	1	119757438	119759118	1679	-
## 6023	1	119759282	119759864	581	-
## 6024	1	119759989	119764172	4182	-
## 6025	1	119764626	119768741	4114	-
## 6026	1	119759282	119764172	4889	-
## 6027	1	119834904	119835997	1092	-
## 6028	1	119836208	119837284	1075	-
## 6029	1	119837359	119839184	1824	-
## 6030	1	119839395	119840257	861	-
## 6031	1	119840329	119841386	1056	-
## 6032	1	119841600	119842433	832	-
## 6033	1	119842535	119844301	1765	-
## 6034	1	120558916	120560575	1658	+
## 6035	1	120827226	120828993	1766	+
## 6036	1	120829044	120830416	1371	+
## 6037	1	120831349	120831988	638	+
## 6038	1	120833775	120836517	2741	+
## 6039	1	120912324	120913353	1028	+
## 6040	1	120963767	120966415	2647	+
## 6041	1	120966517	120969119	2601	+
## 6042	1	120972910	120973108	197	+
## 6043	1	120963767	120969119	5351	+
## 6044	1	121092768	121096593	3824	-
## 6045	1	120985866	121037562	51695	-
## 6046	1	121181348	121183458	2109	-
## 6047	1	121519459	121556510	37050	+
## 6048	1	143400688	143419625	18936	-
## 6049	1	143420207	143422420	2212	-

## 6050	1	143401780	143419625	17844	-
## 6051	1	143420207	143424612	4404	-
## 6052	1	143401780	143420073	18292	-
## 6053	1	143745000	143745217	216	+
## 6054	1	143745426	143747671	2244	+
## 6055	1	143750635	143756432	5796	+
## 6056	1	143750635	143756193	5557	+
## 6057	1	143750635	143755870	5234	+
## 6058	1	143794404	143796569	2164	+
## 6059	1	143848069	143904227	56157	-
## 6060	1	143875309	143879693	4383	-
## 6061	1	143880209	143904227	24017	-
## 6062	1	143875309	143904227	28917	-
## 6063	1	143969001	143973368	4366	-
## 6064	1	143963456	143964855	1398	-
## 6065	1	143969001	143972960	3958	-
## 6066	1	143973177	143973368	190	-
## 6067	1	143956481	143968924	12442	-
## 6068	1	143971121	143971632	510	-
## 6069	1	144226287	144245238	18950	-
## 6070	1	144245820	144248033	2212	-
## 6071	1	144245820	144250225	4404	-
## 6072	1	144227379	144245686	18306	-
## 6073	1	144276584	144286863	10278	-
## 6074	1	144287075	144288355	1279	-
## 6075	1	144288407	144288916	508	-
## 6076	1	144289025	144290007	981	-
## 6077	1	144290133	144290367	233	-
## 6078	1	144290531	144296244	5712	-
## 6079	1	144296348	144296541	192	-
## 6080	1	144296642	144302175	5532	-
## 6081	1	144302291	144302491	199	-
## 6082	1	144313061	144313702	640	-
## 6083	1	144663887	144664087	199	+
## 6084	1	144664203	144669736	5532	+
## 6085	1	144669837	144670030	192	+
## 6086	1	144670134	144675846	5711	+
## 6087	1	144676010	144676244	233	+
## 6088	1	144676370	144677352	981	+
## 6089	1	144677461	144677970	508	+
## 6090	1	144678022	144679302	1279	+
## 6091	1	144679514	144689792	10277	+
## 6092	1	144652680	144653321	640	+
## 6093	1	144716151	144720556	4404	+
## 6094	1	144721138	144738997	17858	+
## 6095	1	144720690	144738997	18306	+
## 6096	1	144718343	144720556	2212	+
## 6097	1	144721138	144740089	18950	+
## 6098	1	145169615	145170942	1326	-
## 6099	1	145164638	145166803	2164	-
## 6100	1	145169661	145170938	1276	-
## 6101	1	145169615	145215639	46023	-
## 6102	1	145572933	145573203	269	-
## 6103	1	145574208	145574821	612	-

## 6104	1	145574932	145575647	714	-
## 6105	1	145575819	145576460	640	-
## 6106	1	145578955	145579596	640	-
## 6107	1	145579647	145580690	1042	-
## 6108	1	145580853	145584756	3902	-
## 6109	1	145584807	145586091	1283	-
## 6110	1	145586833	145587887	1053	-
## 6111	1	145588101	145588937	835	-
## 6112	1	145589039	145590886	1846	-
## 6113	1	145591095	145593842	2746	-
## 6114	1	145593924	145594451	526	-
## 6115	1	145594585	145601874	7288	-
## 6116	1	145602039	145607821	5781	-
## 6117	1	145671124	145671217	92	-
## 6118	1	145671264	145672730	1465	-
## 6119	1	145673020	145673657	636	-
## 6120	1	145673881	145678449	4567	-
## 6121	1	145678645	145680912	2266	-
## 6122	1	145681107	145682500	1392	-
## 6123	1	145682636	145686477	3840	-
## 6124	1	145686726	145687812	1085	-
## 6125	1	145688023	145707317	19293	-
## 6126	1	145724906	145728256	3349	+
## 6127	1	145671489	145672730	1240	-
## 6128	1	145688023	145691732	3708	-
## 6129	1	145691802	145707317	15514	-
## 6130	1	145678645	145686477	7831	-
## 6131	1	145681107	145686477	5369	-
## 6132	1	145724906	145735997	11090	+
## 6133	1	145824547	145825757	1209	+
## 6134	1	145919900	145924155	4254	+
## 6135	1	145924365	145924815	449	+
## 6136	1	145919419	145919680	260	+
## 6137	1	145919900	145920334	433	+
## 6138	1	145926946	145927064	117	+
## 6139	1	145927469	145941112	13642	+
## 6140	1	145917816	145918432	615	-
## 6141	1	145896096	145896268	171	-
## 6142	1	145896352	145896769	416	-
## 6143	1	145902319	145902454	134	-
## 6144	1	145902619	145902811	191	-
## 6145	1	145902961	145904052	1090	-
## 6146	1	145904200	145904684	483	-
## 6147	1	145904811	145906394	1582	-
## 6148	1	145906508	145906733	224	-
## 6149	1	145906824	145907041	216	-
## 6150	1	145907150	145907354	203	-
## 6151	1	145907465	145909963	2497	-
## 6152	1	145904811	145907354	2542	-
## 6153	1	145963537	145964184	646	-
## 6154	1	145904811	145909963	5151	-
## 6155	1	145917816	145917955	138	-
## 6156	1	145917806	145918633	826	-
## 6157	1	146052948	146057694	4745	+

## 6158	1	146057988	146058313	324	+
## 6159	1	146058461	146058558	96	+
## 6160	1	146052948	146058313	5364	+
## 6161	1	146018700	146019175	474	-
## 6162	1	146019734	146020135	400	-
## 6163	1	146020320	146021587	1266	-
## 6164	1	146018700	146021587	2886	-
## 6165	1	146018700	146019698	997	-
## 6166	1	146019734	146021587	1852	-
## 6167	1	146068175	146068772	596	-
## 6168	1	146069715	146070324	608	-
## 6169	1	146071319	146071968	648	-
## 6170	1	146074443	146078236	3792	-
## 6171	1	146079179	146079782	602	-
## 6172	1	146080777	146081436	658	-
## 6173	1	146083909	146084518	608	-
## 6174	1	146085513	146086164	650	-
## 6175	1	146086215	146086924	708	-
## 6176	1	146088636	146089239	602	-
## 6177	1	146090234	146090881	646	-
## 6178	1	146093354	146093957	602	-
## 6179	1	146094952	146095603	650	-
## 6180	1	146096536	146097133	596	-
## 6181	1	146098076	146098679	602	-
## 6182	1	146098787	146099502	714	-
## 6183	1	146099674	146100325	650	-
## 6184	1	146102798	146103401	602	-
## 6185	1	146104396	146105043	646	-
## 6186	1	146105976	146106573	596	-
## 6187	1	146106624	146107344	719	-
## 6188	1	146107516	146108119	602	-
## 6189	1	146108227	146108942	714	-
## 6190	1	146109114	146109751	636	-
## 6191	1	146112226	146112829	602	-
## 6192	1	146115402	146115999	596	-
## 6193	1	146116944	146117547	602	-
## 6194	1	146118542	146119195	652	-
## 6195	1	146123278	146123927	648	-
## 6196	1	146123978	146124688	709	-
## 6197	1	146126408	146127028	619	-
## 6198	1	146074443	146075046	602	-
## 6199	1	146076041	146076706	664	-
## 6200	1	146076757	146077467	709	-
## 6201	1	146020338	146021587	1248	-
## 6202	1	147099893	147101456	1562	-
## 6203	1	147101669	147109862	8192	-
## 6204	1	147110034	147110796	761	-
## 6205	1	147110847	147113442	2594	-
## 6206	1	147113612	147114220	607	-
## 6207	1	147162573	147166846	4272	-
## 6208	1	147242830	147259837	17006	+
## 6209	1	147242830	147264429	21598	+
## 6210	1	147255927	147259837	3909	+
## 6211	1	147252735	147254898	2162	+

## 6212	1	147242830	147264422	21591	+
## 6213	1	147272281	147272447	165	+
## 6214	1	147252735	147265932	13196	+
## 6215	1	147242830	147267426	24595	+
## 6216	1	147759271	147760499	1227	-
## 6217	1	147759271	147773252	13980	-
## 6218	1	147902861	147907945	5083	+
## 6219	1	147994354	147995596	1241	-
## 6220	1	147995886	147996588	701	-
## 6221	1	147996747	148001319	4571	-
## 6222	1	148001515	148003787	2271	-
## 6223	1	148003982	148005373	1390	-
## 6224	1	148005509	148009343	3833	-
## 6225	1	148009592	148010137	544	-
## 6226	1	148010268	148010458	189	-
## 6227	1	148010619	148014846	4226	-
## 6228	1	148049464	148080580	31115	+
## 6229	1	148080753	148081648	894	+
## 6230	1	148081761	148082201	439	+
## 6231	1	148082390	148090357	7966	+
## 6232	1	148090500	148091583	1082	+
## 6233	1	148091721	148092027	305	+
## 6234	1	148162992	148163142	149	+
## 6235	1	148420607	148422065	1457	+
## 6236	1	148422194	148424627	2432	+
## 6237	1	148434239	148434440	200	-
## 6238	1	148420607	148427836	7228	+
## 6239	1	148420607	148425506	4898	+
## 6240	1	148427992	148428729	736	+
## 6241	1	148420607	148424627	4019	+
## 6242	1	148414996	148420372	5375	+
## 6243	1	148420607	148424063	3455	+
## 6244	1	148424678	148425506	827	+
## 6245	1	148414996	148417663	2666	+
## 6246	1	148417765	148420372	2606	+
## 6247	1	148424156	148424627	470	+
## 6248	1	148422194	148424063	1868	+
## 6249	1	148424638	148425506	867	+
## 6250	1	148536396	148537011	614	-
## 6251	1	148538006	148538649	642	-
## 6252	1	148538700	148539410	709	-
## 6253	1	148541122	148541731	608	-
## 6254	1	148542726	148543363	636	-
## 6255	1	148543414	148544124	709	-
## 6256	1	148545836	148546445	608	-
## 6257	1	148547440	148548071	630	-
## 6258	1	148550544	148551153	608	-
## 6259	1	148551261	148551976	714	-
## 6260	1	148552148	148552779	630	-
## 6261	1	148552830	148553540	709	-
## 6262	1	148555252	148555867	614	-
## 6263	1	148559965	148560584	618	-
## 6264	1	148560692	148561407	714	-
## 6265	1	148561579	148562236	656	-

## 6266	1	148564711	148565320	608	-
## 6267	1	148565428	148566143	714	-
## 6268	1	148567003	148567713	709	-
## 6269	1	148567885	148568482	596	-
## 6270	1	148569427	148573230	3802	-
## 6271	1	148573338	148574053	714	-
## 6272	1	148577355	148577983	627	-
## 6273	1	149056620	149060523	3902	-
## 6274	1	149060695	149061332	636	-
## 6275	1	149062265	149062862	596	-
## 6276	1	149063805	149064431	625	-
## 6277	1	149075864	149077208	1343	-
## 6278	1	149057507	149058164	656	-
## 6279	1	149059097	149059700	602	-
## 6280	1	149059808	149060523	714	-
## 6281	1	149338400	149345661	7260	+
## 6282	1	149647064	149655699	8634	+
## 6283	1	149665133	149669189	4055	+
## 6284	1	149669310	149675331	6020	+
## 6285	1	149783260	149811947	28686	-
## 6286	1	149703013	149705178	2164	+
## 6287	1	149782774	149784003	1228	+
## 6288	1	149784257	149790054	5796	+
## 6289	1	149702870	149705178	2307	+
## 6290	1	149791630	149797473	5842	+
## 6291	1	149797520	149799868	2347	+
## 6292	1	149788617	149790152	1534	+
## 6293	1	149928901	149929155	253	-
## 6294	1	149931426	149931944	517	-
## 6295	1	149932014	149932264	249	-
## 6296	1	149932330	149933406	1075	-
## 6297	1	149933530	149933610	79	-
## 6298	1	149933698	149933855	156	-
## 6299	1	149933942	149934191	248	-
## 6300	1	149934326	149934448	121	-
## 6301	1	149934526	149934986	459	-
## 6302	1	149935128	149935299	170	-
## 6303	1	149935359	149935584	224	-
## 6304	1	149935620	149936154	533	-
## 6305	1	149833114	149839595	6480	+
## 6306	1	149854217	149860702	6484	-
## 6307	1	149833114	149834135	1020	+
## 6308	1	149935705	149936154	448	-
## 6309	1	149936229	149936582	352	-
## 6310	1	149913969	149917739	3769	-
## 6311	1	150164302	150173730	9427	+
## 6312	1	150173814	150180912	7097	+
## 6313	1	150282823	150283462	638	+
## 6314	1	150220758	150223186	2427	-
## 6315	1	150282618	150283208	589	+
## 6316	1	150258183	150260151	1967	+
## 6317	1	150260171	150261459	1287	+
## 6318	1	150261638	150262158	519	+
## 6319	1	150262300	150262525	224	+

## 6320	1	150262620	150262804	183	+
## 6321	1	150262870	150263042	171	+
## 6322	1	150263199	150263299	99	+
## 6323	1	150263419	150263659	239	+
## 6324	1	150263679	150263794	114	+
## 6325	1	150263878	150264593	714	+
## 6326	1	150561222	150563102	1879	-
## 6327	1	150563217	150573659	10441	-
## 6328	1	150573821	150574124	302	-
## 6329	1	150556976	150557262	285	+
## 6330	1	150509756	150509835	78	+
## 6331	1	150549499	150549825	325	+
## 6332	1	150578963	150579423	459	-
## 6333	1	150488988	150490674	1685	+
## 6334	1	150490725	150492411	1685	+
## 6335	1	150516062	150517773	1710	+
## 6336	1	150491511	150497530	6018	+
## 6337	1	150711571	150711833	261	-
## 6338	1	150714121	150714615	493	-
## 6339	1	150714678	150717138	2459	-
## 6340	1	150719538	150720804	1265	-
## 6341	1	150711571	150714085	2513	-
## 6342	1	150887313	150912242	24928	+
## 6343	1	150999967	151000457	489	-
## 6344	1	151088517	151093192	4674	+
## 6345	1	151036766	151037315	548	+
## 6346	1	151037662	151038504	841	+
## 6347	1	151038568	151038796	227	+
## 6348	1	151039026	151042956	3929	+
## 6349	1	151043434	151043596	161	+
## 6350	1	151043727	151045797	2069	+
## 6351	1	151045883	151046067	183	+
## 6352	1	151046165	151046651	485	+
## 6353	1	151007619	151007725	105	-
## 6354	1	151018669	151027233	8563	+
## 6355	1	151002706	151006101	3394	-
## 6356	1	151006247	151008248	2000	-
## 6357	1	151002400	151006312	3911	-
## 6358	1	151002311	151006312	4000	-
## 6359	1	151006797	151008248	1450	-
## 6360	1	151118139	151124187	6047	+
## 6361	1	151036766	151037567	800	+
## 6362	1	151008671	151025515	16843	+
## 6363	1	151144434	151146433	1998	-
## 6364	1	151133517	151133960	442	-
## 6365	1	151134055	151134401	345	-
## 6366	1	151137799	151138316	516	-
## 6367	1	151171063	151171433	369	-
## 6368	1	151174917	151175924	1006	-
## 6369	1	151176897	151178136	1238	-
## 6370	1	151346606	151346940	333	-
## 6371	1	151428413	151440928	12514	-
## 6372	1	151540426	151561718	21291	+
## 6373	1	151561856	151562091	234	+

## 6374	1	151703448	151705031	1582	-
## 6375	1	151705168	151705822	653	-
## 6376	1	151705965	151706224	258	-
## 6377	1	151706361	151706669	307	-
## 6378	1	151706734	151707507	772	-
## 6379	1	151707648	151707792	143	-
## 6380	1	151707935	151708998	1062	-
## 6381	1	151709077	151709220	142	-
## 6382	1	151709348	151709743	394	-
## 6383	1	151709791	151714594	4802	-
## 6384	1	151714676	151715876	1199	-
## 6385	1	151706734	151707145	410	-
## 6386	1	151707294	151707507	212	-
## 6387	1	151714676	151715619	942	-
## 6388	1	151709345	151709743	397	-
## 6389	1	151706358	151706669	310	-
## 6390	1	151763565	151767163	3597	+
## 6391	1	151762500	151762950	449	-
## 6392	1	151721620	151722086	465	+
## 6393	1	151722162	151727575	5412	+
## 6394	1	151727621	151728766	1144	+
## 6395	1	151728893	151729488	594	+
## 6396	1	151766888	151767163	274	+
## 6397	1	151791245	151791435	189	+
## 6398	1	151838737	151839026	288	+
## 6399	1	151839105	151841741	2635	+
## 6400	1	151842031	151844045	2013	+
## 6401	1	151844242	151850233	5990	+
## 6402	1	151838737	151841741	3003	+
## 6403	1	151802717	151805230	2512	-
## 6404	1	151807633	151811325	3691	-
## 6405	1	151811434	151812947	1512	-
## 6406	1	151814695	151814913	217	-
## 6407	1	151815425	151816664	1238	-
## 6408	1	151817280	151825930	8649	-
## 6409	1	151817280	151829429	12148	-
## 6410	1	151829458	151831725	2266	-
## 6411	1	151839220	151840203	982	-
## 6412	1	152018528	152018627	98	+
## 6413	1	152018837	152020237	1399	+
## 6414	1	152020339	152021170	830	+
## 6415	1	152021384	152021602	217	+
## 6416	1	152156960	152157752	791	-
## 6417	1	152157909	152159184	1274	-
## 6418	1	152087543	152088006	462	-
## 6419	1	152088163	152089020	856	-
## 6420	1	152113078	152113943	864	-
## 6421	1	152114111	152115391	1279	-
## 6422	1	152221490	152223116	1625	-
## 6423	1	152223278	152224143	864	-
## 6424	1	152314038	152314624	585	+
## 6425	1	152314957	152332583	17625	+
## 6426	1	152335439	152337989	2549	+
## 6427	1	152338089	152341087	2997	+

## 6428	1	152341210	152363987	22776	+
## 6429	1	152337094	152341087	3992	+
## 6430	1	152357647	152358747	1099	-
## 6431	1	152358906	152359956	1049	-
## 6432	1	152410943	152412096	1152	-
## 6433	1	152412246	152414214	1967	-
## 6434	1	152510998	152511514	515	+
## 6435	1	152566229	152566738	508	-
## 6436	1	152514552	152515362	809	+
## 6437	1	152655547	152656311	763	+
## 6438	1	152600284	152600707	422	+
## 6439	1	152663429	152664085	655	+
## 6440	1	152675328	152675995	666	+
## 6441	1	152686156	152686824	667	+
## 6442	1	152579957	152580469	511	-
## 6443	1	152796771	152797773	1001	+
## 6444	1	152805498	152806601	1102	-
## 6445	1	152805344	152805435	90	-
## 6446	1	152758059	152759561	1501	+
## 6447	1	152786307	152787278	970	+
## 6448	1	152908589	152909779	1189	+
## 6449	1	152878446	152884403	5956	+
## 6450	1	152843011	152843500	488	+
## 6451	1	153056754	153057471	716	-
## 6452	1	152984125	152985212	1086	+
## 6453	1	153040365	153041078	712	-
## 6454	1	153070858	153071565	706	-
## 6455	1	153031247	153032327	1079	+
## 6456	1	153001793	153003002	1208	+
## 6457	1	152984125	152985198	1072	+
## 6458	1	153040365	153041072	706	-
## 6459	1	153001793	153002603	809	+
## 6460	1	153002686	153003002	315	+
## 6461	1	152970694	152971871	1176	+
## 6462	1	153140728	153141427	698	-
## 6463	1	153174645	153176113	1467	+
## 6464	1	153176640	153190079	13438	+
## 6465	1	153217619	153218125	505	+
## 6466	1	153112752	153113474	721	-
## 6467	1	153203531	153204687	1155	+
## 6468	1	153150131	153150852	720	-
## 6469	1	153093770	153094484	713	-
## 6470	1	153112752	153119353	6600	-
## 6471	1	153330945	153337181	6235	-
## 6472	1	153340579	153341627	1047	-
## 6473	1	153341779	153343090	1310	-
## 6474	1	153343208	153345169	1960	-
## 6475	1	153345382	153346102	719	-
## 6476	1	153346191	153347884	1692	-
## 6477	1	153347978	153348528	549	-
## 6478	1	153259733	153260927	1193	+
## 6479	1	153298134	153299113	978	-
## 6480	1	153299231	153302409	3177	-
## 6481	1	153302607	153303857	1249	-

## 6482	1	153304009	153304947	937	-
## 6483	1	153305065	153307066	2000	-
## 6484	1	153307267	153310611	3343	-
## 6485	1	153310706	153312643	1936	-
## 6486	1	153390557	153422518	31960	-
## 6487	1	153457970	153458873	902	-
## 6488	1	153459030	153460608	1577	-
## 6489	1	153416563	153418066	1502	+
## 6490	1	153418223	153419145	921	+
## 6491	1	153545909	153548421	2511	+
## 6492	1	153549115	153551243	2127	+
## 6493	1	153541471	153541585	113	-
## 6494	1	153548490	153549181	690	-
## 6495	1	153563853	153565506	1652	-
## 6496	1	153561591	153563415	1823	-
## 6497	1	153563536	153563734	197	-
## 6498	1	153615022	153615235	212	-
## 6499	1	153615381	153615829	447	-
## 6500	1	153615936	153616295	358	-
## 6501	1	153608177	153612952	4774	-
## 6502	1	153607718	153607999	280	-
## 6503	1	153626533	153626951	417	-
## 6504	1	153680700	153681180	479	+
## 6505	1	153683824	153684964	1139	+
## 6506	1	153685880	153686123	242	+
## 6507	1	153658872	153659448	575	+
## 6508	1	153794205	153795421	1215	+
## 6509	1	153795723	153796205	481	+
## 6510	1	153779473	153779931	457	+
## 6511	1	153954314	153954871	556	-
## 6512	1	153984781	153984984	202	-
## 6513	1	153963703	153968084	4380	-
## 6514	1	153944397	153946301	1903	-
## 6515	1	153968310	153968522	211	+
## 6516	1	153968699	153969334	634	+
## 6517	1	153984781	153986017	1235	-
## 6518	1	154170465	154170649	183	-
## 6519	1	154187442	154191186	3743	-
## 6520	1	154191311	154191629	317	-
## 6521	1	154191733	154191902	168	-
## 6522	1	154176248	154178114	1865	-
## 6523	1	154200588	154205598	5009	-
## 6524	1	154205638	154206275	636	-
## 6525	1	154170469	154172029	1559	-
## 6526	1	154327861	154328105	243	+
## 6527	1	154321260	154321933	672	+
## 6528	1	154322059	154322982	922	+
## 6529	1	154429236	154434547	5310	+
## 6530	1	154436110	154445950	9839	+
## 6531	1	154446042	154448125	2082	+
## 6532	1	154435156	154435975	818	+
## 6533	1	154486678	154489051	2372	-
## 6534	1	154553672	154554650	977	+
## 6535	1	154602626	154608751	6124	-

## 6536	1	154568108	154569462	1353	+
## 6537	1	154569607	154569792	184	+
## 6538	1	154569836	154570258	421	+
## 6539	1	154570367	154571189	821	+
## 6540	1	154572161	154575762	3600	+
## 6541	1	154993848	154993930	81	+
## 6542	1	155033854	155033972	117	+
## 6543	1	155034097	155034435	337	+
## 6544	1	155034560	155039403	4842	+
## 6545	1	155039531	155040485	953	+
## 6546	1	155040624	155041397	772	+
## 6547	1	155041613	155041714	100	+
## 6548	1	155041857	155042735	877	+
## 6549	1	155042856	155043352	495	+
## 6550	1	155043509	155045893	2383	+
## 6551	1	155045992	155046125	132	+
## 6552	1	155046220	155046360	139	+
## 6553	1	155046486	155047196	709	+
## 6554	1	155047312	155047787	474	+
## 6555	1	155047929	155048057	127	+
## 6556	1	155048170	155050617	2446	+
## 6557	1	154951256	154956069	4812	-
## 6558	1	154951919	154956069	4149	-
## 6559	1	155034560	155034653	92	+
## 6560	1	155034727	155039403	4675	+
## 6561	1	155046246	155049269	3022	-
## 6562	1	155049361	155050607	1245	-
## 6563	1	155024602	155026302	1699	-
## 6564	1	155030645	155031169	523	-
## 6565	1	155031234	155031574	339	-
## 6566	1	155033264	155033434	169	-
## 6567	1	155174029	155175888	1858	+
## 6568	1	155174837	155175386	548	+
## 6569	1	155135972	155136828	855	+
## 6570	1	155136951	155137579	627	+
## 6571	1	155174968	155175186	217	+
## 6572	1	155175272	155175386	113	+
## 6573	1	155174039	155175386	1346	+
## 6574	1	155067440	155068999	1558	+
## 6575	1	155241161	155244506	3344	-
## 6576	1	155277868	155282411	4542	+
## 6577	1	155284135	155284672	536	+
## 6578	1	155215651	155215762	110	-
## 6579	1	155217593	155217964	370	-
## 6580	1	155218942	155227382	8439	-
## 6581	1	155284135	155284539	403	+
## 6582	1	155254194	155254653	458	-
## 6583	1	155203539	155206200	2660	-
## 6584	1	155240077	155244506	4428	-
## 6585	1	155300280	155300881	600	-
## 6586	1	155238650	155239886	1235	-
## 6587	1	155323130	155324845	1714	+
## 6588	1	155562286	155562981	694	+
## 6589	1	155562286	155563250	963	+

## 6590	1	155612570	155612806	235	+
## 6591	1	155613766	155614062	295	+
## 6592	1	155611852	155611983	130	+
## 6593	1	155680008	155680416	407	-
## 6594	1	155610337	155610425	87	+
## 6595	1	155610961	155611039	77	+
## 6596	1	155611291	155611411	119	+
## 6597	1	155611827	155611921	93	+
## 6598	1	155611291	155611427	135	+
## 6599	1	155613766	155614034	267	+
## 6600	1	155676746	155679158	2411	-
## 6601	1	155679313	155679409	95	-
## 6602	1	155613733	155614062	328	+
## 6603	1	155611291	155611740	448	+
## 6604	1	155611108	155611549	440	+
## 6605	1	155612975	155613092	116	+
## 6606	1	155749631	155749926	294	+
## 6607	1	155910804	155910878	73	-
## 6608	1	156061443	156065911	4467	+
## 6609	1	156066106	156068270	2163	+
## 6610	1	156068463	156069671	1207	+
## 6611	1	156069751	156070160	408	+
## 6612	1	156061443	156068270	6826	+
## 6613	1	156196173	156207886	11712	+
## 6614	1	156126223	156130617	4393	+
## 6615	1	156200472	156207862	7389	+
## 6616	1	156200472	156210240	9767	+
## 6617	1	156150093	156153531	3437	+
## 6618	1	156153755	156154550	794	+
## 6619	1	156153764	156154550	785	+
## 6620	1	156126223	156126736	512	+
## 6621	1	156196173	156198993	2819	+
## 6622	1	156150093	156154550	4456	+
## 6623	1	156153764	156156414	2649	+
## 6624	1	156150093	156156414	6320	+
## 6625	1	156338605	156339634	1028	+
## 6626	1	156339791	156346779	6987	+
## 6627	1	156338770	156339735	964	+
## 6628	1	156344708	156346768	2059	+
## 6629	1	156338864	156339634	769	+
## 6630	1	156344708	156346779	2070	+
## 6631	1	156338864	156339735	870	+
## 6632	1	156338605	156339735	1129	+
## 6633	1	156338925	156339735	809	+
## 6634	1	156295016	156295297	280	-
## 6635	1	156337549	156339634	2084	+
## 6636	1	156279034	156286633	7598	-
## 6637	1	156286787	156291403	4615	-
## 6638	1	156244911	156246123	1211	-
## 6639	1	156246250	156247957	1706	-
## 6640	1	156335888	156337079	1190	-
## 6641	1	156337240	156338154	913	-
## 6642	1	156244789	156245142	352	-
## 6643	1	156246756	156247915	1158	-

## 6644	1	156246250	156246690	439	-
## 6645	1	156246756	156247510	753	-
## 6646	1	156247632	156247957	324	-
## 6647	1	156245238	156246123	884	-
## 6648	1	156284406	156285184	777	+
## 6649	1	156369436	156377301	7864	+
## 6650	1	156377487	156377990	502	+
## 6651	1	156378140	156378252	111	+
## 6652	1	156378399	156381347	2947	+
## 6653	1	156381513	156381806	292	+
## 6654	1	156381943	156382068	124	+
## 6655	1	156382201	156382748	546	+
## 6656	1	156382869	156384527	1657	+
## 6657	1	156384600	156384777	176	+
## 6658	1	156404601	156407842	3240	-
## 6659	1	156407975	156414654	6678	-
## 6660	1	156414753	156421555	6801	-
## 6661	1	156404601	156413413	8811	-
## 6662	1	156413497	156414654	1156	-
## 6663	1	156404601	156407080	2478	-
## 6664	1	156407197	156407842	644	-
## 6665	1	156414753	156416769	2015	-
## 6666	1	156416864	156426798	9933	-
## 6667	1	156426872	156429376	2503	-
## 6668	1	156369436	156371182	1745	+
## 6669	1	156371254	156377301	6046	+
## 6670	1	156369436	156374607	5170	+
## 6671	1	156374729	156377301	2571	+
## 6672	1	156483418	156490512	7093	-
## 6673	1	156404601	156414654	10052	-
## 6674	1	156382869	156384311	1441	+
## 6675	1	156382869	156384414	1544	+
## 6676	1	156371904	156374607	2702	+
## 6677	1	156407975	156414056	6080	-
## 6678	1	156414298	156414654	355	-
## 6679	1	156414753	156417912	3158	-
## 6680	1	156418034	156421555	3520	-
## 6681	1	156404601	156420426	15824	-
## 6682	1	156420498	156421555	1056	-
## 6683	1	156404601	156421555	16953	-
## 6684	1	156414753	156426798	12044	-
## 6685	1	156404601	156426798	22196	-
## 6686	1	156378413	156381347	2933	+
## 6687	1	156615077	156621880	6802	-
## 6688	1	156619535	156620018	482	+
## 6689	1	156620158	156623467	3308	+
## 6690	1	156623575	156623807	231	+
## 6691	1	156624160	156624351	190	+
## 6692	1	156624467	156624601	133	+
## 6693	1	156624783	156625101	317	+
## 6694	1	156579758	156581361	1602	+
## 6695	1	156642275	156646047	3771	+
## 6696	1	156646145	156646801	655	+
## 6697	1	156647175	156647508	332	+

## 6698	1	156647682	156647983	300	+
## 6699	1	156648861	156651456	2594	+
## 6700	1	156651689	156652248	558	+
## 6701	1	156652892	156656282	3389	+
## 6702	1	156656389	156656938	548	+
## 6703	1	156657096	156657675	578	+
## 6704	1	156657757	156658127	369	+
## 6705	1	156658271	156658543	271	+
## 6706	1	156705546	156705709	162	-
## 6707	1	156750028	156751249	1220	-
## 6708	1	156673205	156673454	248	-
## 6709	1	156673527	156675216	1688	-
## 6710	1	156675340	156676482	1141	-
## 6711	1	156727808	156728354	545	-
## 6712	1	156745373	156751249	5875	-
## 6713	1	156814324	156815037	712	-
## 6714	1	156841528	156841665	136	-
## 6715	1	156841794	156842112	317	-
## 6716	1	156842271	156842398	126	-
## 6717	1	156842508	156843004	495	-
## 6718	1	156843233	156843427	193	-
## 6719	1	156843479	156844175	695	-
## 6720	1	156844280	156844462	181	-
## 6721	1	156844624	156844707	82	-
## 6722	1	156844843	156845076	232	-
## 6723	1	156845296	156845372	75	-
## 6724	1	156845413	156845619	205	-
## 6725	1	156845814	156845952	137	-
## 6726	1	156846757	156848921	2163	-
## 6727	1	156849047	156849246	198	-
## 6728	1	156849460	156851290	1829	-
## 6729	1	156851434	156851646	211	-
## 6730	1	156852191	156853752	1560	-
## 6731	1	156815838	156842081	26242	+
## 6732	1	156842193	156864354	22160	+
## 6733	1	156873959	156874383	423	+
## 6734	1	156874400	156874571	170	+
## 6735	1	156920963	156923949	2985	+
## 6736	1	156924098	156924424	325	+
## 6737	1	156924552	156924643	90	+
## 6738	1	156924718	156924938	219	+
## 6739	1	156925015	156927202	2186	+
## 6740	1	156927270	156927496	225	+
## 6741	1	156927655	156927733	77	+
## 6742	1	156927816	156927915	98	+
## 6743	1	156928004	156929280	1275	+
## 6744	1	156929429	156929636	206	+
## 6745	1	156929729	156930529	799	+
## 6746	1	156930617	156931916	1298	+
## 6747	1	156932027	156932424	396	+
## 6748	1	156932545	156932853	307	+
## 6749	1	157093127	157097868	4740	-
## 6750	1	157097988	157098706	717	-
## 6751	1	157098895	157099141	245	-

## 6752	1	157099378	157099466	87	-
## 6753	1	157575610	157575699	88	-
## 6754	1	157575730	157578474	2743	-
## 6755	1	157578542	157578770	227	-
## 6756	1	157578852	157580321	1468	-
## 6757	1	157580348	157581531	1182	-
## 6758	1	157581644	157586168	4523	-
## 6759	1	157586455	157587276	820	-
## 6760	1	157587560	157587865	304	-
## 6761	1	157588119	157589204	1084	-
## 6762	1	157589458	157596328	6869	-
## 6763	1	157596348	157597914	1565	-
## 6764	1	157746774	157749650	2875	-
## 6765	1	157768701	157769866	1164	-
## 6766	1	157746899	157748875	1975	-
## 6767	1	157766971	157770409	3437	-
## 6768	1	157827624	157833192	5567	-
## 6769	1	158025686	158030717	5030	+
## 6770	1	158132656	158133115	458	-
## 6771	1	158133193	158140498	7304	-
## 6772	1	158180162	158180819	656	+
## 6773	1	158178068	158180819	2750	+
## 6774	1	158248411	158255084	6672	+
## 6775	1	158354673	158355827	1153	+
## 6776	1	159000395	159010003	9607	+
## 6777	1	159198221	159199786	1564	-
## 6778	1	159199859	159200812	952	-
## 6779	1	159201621	159202250	628	-
## 6780	1	159171853	159191936	20082	+
## 6781	1	159204980	159205411	430	+
## 6782	1	159171853	159189771	17917	+
## 6783	1	159189872	159191936	2063	+
## 6784	1	159193902	159196364	2461	+
## 6785	1	159289753	159302306	12552	+
## 6786	1	159397530	159405305	7774	+
## 6787	1	159405396	159406247	850	+
## 6788	1	159406413	159439776	33362	+
## 6789	1	159406413	159431262	24848	+
## 6790	1	159431471	159439776	8304	+
## 6791	1	159587985	159588101	115	+
## 6792	1	159713640	159714007	366	-
## 6793	1	159714138	159714425	286	-
## 6794	1	159712794	159713503	708	-
## 6795	1	159712568	159713503	934	-
## 6796	1	159713603	159714003	399	-
## 6797	1	159838027	159841126	3098	-
## 6798	1	159841235	159854922	13686	-
## 6799	1	159838027	159854757	16729	-
## 6800	1	159838027	159840711	2683	-
## 6801	1	159855026	159855883	856	-
## 6802	1	159856081	159856524	442	-
## 6803	1	159856643	159857745	1101	-
## 6804	1	159857966	159858090	123	-
## 6805	1	159858291	159858734	442	-

## 6806	1	159858912	159862473	3560	-
## 6807	1	159800613	159802420	1806	+
## 6808	1	159815459	159815541	81	+
## 6809	1	159893305	159900096	6790	-
## 6810	1	159951866	159953309	1442	-
## 6811	1	159951866	159952262	395	-
## 6812	1	159952534	159953309	774	-
## 6813	1	159934284	159934425	140	-
## 6814	1	159943628	159945573	1944	-
## 6815	1	160081697	160083917	2219	+
## 6816	1	160084880	160087486	2605	+
## 6817	1	160098517	160098799	281	-
## 6818	1	160121010	160121192	181	+
## 6819	1	160121251	160123213	1961	+
## 6820	1	160124430	160125136	705	+
## 6821	1	160205134	160205338	203	-
## 6822	1	160206376	160208257	1880	-
## 6823	1	160208387	160208844	456	-
## 6824	1	160261922	160262401	478	+
## 6825	1	160261325	160262276	950	-
## 6826	1	160191030	160192802	1771	+
## 6827	1	160192886	160193747	860	+
## 6828	1	160195123	160195461	337	+
## 6829	1	160195534	160195897	362	+
## 6830	1	160196027	160197569	1541	+
## 6831	1	160197614	160198677	1062	+
## 6832	1	160198731	160198953	221	+
## 6833	1	160199925	160201245	1319	+
## 6834	1	160343481	160344476	994	+
## 6835	1	160344614	160344722	107	+
## 6836	1	160367337	160370557	3219	+
## 6837	1	160623585	160624096	510	-
## 6838	1	160634892	160637191	2298	-
## 6839	1	160739138	160749821	10682	+
## 6840	1	160750132	160750304	171	+
## 6841	1	160750093	160751345	1251	+
## 6842	1	160748514	160751345	2830	+
## 6843	1	160748514	160752186	3671	+
## 6844	1	160932591	160932917	325	+
## 6845	1	160933326	160934310	983	+
## 6846	1	160934401	160944858	10456	+
## 6847	1	160944958	160945066	107	+
## 6848	1	160945199	160948651	3451	+
## 6849	1	160945292	160947929	2636	-
## 6850	1	160948032	160950046	2013	-
## 6851	1	160950166	160950553	386	-
## 6852	1	160950711	160951043	331	-
## 6853	1	160951290	160952620	1329	-
## 6854	1	160952733	160954387	1653	-
## 6855	1	160954450	160954727	276	-
## 6856	1	161053385	161069620	16234	-
## 6857	1	161048355	161048989	633	-
## 6858	1	160999492	160999640	147	-
## 6859	1	160998891	160999043	151	-

## 6860	1	161001127	161021010	19882	-
## 6861	1	161000348	161001020	671	-
## 6862	1	160999717	160999876	158	-
## 6863	1	161122523	161122985	461	-
## 6864	1	161167486	161168413	926	+
## 6865	1	161191403	161192065	661	-
## 6866	1	161098404	161098666	261	+
## 6867	1	161099505	161099579	73	+
## 6868	1	161164612	161164835	222	+
## 6869	1	161118551	161119134	582	+
## 6870	1	161197487	161202147	4659	+
## 6871	1	161164942	161165071	128	+
## 6872	1	161167233	161167355	121	+
## 6873	1	161199523	161202147	2623	+
## 6874	1	161213946	161214156	209	+
## 6875	1	161167234	161167995	760	+
## 6876	1	161229772	161230813	1040	-
## 6877	1	161230933	161231117	183	-
## 6878	1	161231245	161231329	83	-
## 6879	1	161231474	161232807	1332	-
## 6880	1	161232946	161233169	222	-
## 6881	1	161233338	161235847	2508	-
## 6882	1	161235977	161238041	2063	-
## 6883	1	161229926	161230813	886	-
## 6884	1	161230933	161231329	395	-
## 6885	1	161235977	161236459	481	-
## 6886	1	161236598	161238041	1442	-
## 6887	1	161230918	161231117	198	-
## 6888	1	161231233	161231329	95	-
## 6889	1	161307424	161309839	2414	-
## 6890	1	161230918	161231329	410	-
## 6891	1	161222522	161222918	395	-
## 6892	1	161223050	161223350	299	-
## 6893	1	161223425	161223595	169	-
## 6894	1	161549780	161550636	855	-
## 6895	1	161549798	161550531	732	-
## 6896	1	161630388	161630774	385	-
## 6897	1	161630032	161630368	335	-
## 6898	1	161710492	161711934	1441	+
## 6899	1	161710912	161711934	1021	+
## 6900	1	161711474	161713085	1610	+
## 6901	1	161726087	161726848	760	+
## 6902	1	161722703	161723367	663	+
## 6903	1	161726087	161726703	615	+
## 6904	1	161726087	161726807	719	+
## 6905	1	161721661	161721755	93	+
## 6906	1	161721850	161722653	802	+
## 6907	1	161631138	161631886	747	-
## 6908	1	161707343	161710478	3134	+
## 6909	1	161663353	161671392	8038	+
## 6910	1	161710912	161713085	2172	+
## 6911	1	161707343	161711934	4590	+
## 6912	1	161707343	161713085	5741	+
## 6913	1	162379031	162381891	2859	+

## 6914	1	162374616	162375290	673	-
## 6915	1	162375403	162376688	1284	-
## 6916	1	162562009	162562473	463	+
## 6917	1	162590511	162592735	2223	+
## 6918	1	162562009	162566012	4002	+
## 6919	1	162855359	162855632	272	-
## 6920	1	162855758	162859460	3701	-
## 6921	1	162859658	162868653	8994	-
## 6922	1	163068992	163069252	259	+
## 6923	1	163069528	163072395	2866	+
## 6924	1	163072499	163072805	305	+
## 6925	1	163072866	163073456	589	+
## 6926	1	163073622	163074321	698	+
## 6927	1	163072866	163074321	1454	+
## 6928	1	163072143	163072395	251	+
## 6929	1	164769356	164769859	502	-
## 6930	1	164770116	164770327	210	-
## 6931	1	164771577	164774429	2851	-
## 6932	1	165437201	165444845	7643	-
## 6933	1	165544918	165563505	18586	+
## 6934	1	165698845	165701681	2835	+
## 6935	1	165701991	165708575	6583	+
## 6936	1	165708779	165709365	585	+
## 6937	1	165769375	165773474	4098	+
## 6938	1	165774433	165774709	275	+
## 6939	1	166476204	166476881	676	-
## 6940	1	166476969	166489861	12891	-
## 6941	1	166603984	166604760	775	+
## 6942	1	166604857	166612460	7602	+
## 6943	1	166612603	166620799	8195	+
## 6944	1	166620987	166621870	882	+
## 6945	1	166622032	166623644	1611	+
## 6946	1	166623786	166624681	894	+
## 6947	1	166989484	166991378	1893	+
## 6948	1	167176815	167182042	5226	-
## 6949	1	167182193	167195058	12864	-
## 6950	1	167195156	167195657	500	-
## 6951	1	167935898	167937005	1106	-
## 6952	1	168097232	168134906	37673	-
## 6953	1	168135036	168136010	973	-
## 6954	1	168097232	168137390	40157	-
## 6955	1	168097232	168136257	39024	-
## 6956	1	168104894	168137390	32495	-
## 6957	1	168104894	168134906	30011	-
## 6958	1	168135036	168137165	2128	-
## 6959	1	168104894	168136010	31115	-
## 6960	1	168104894	168136257	31362	-
## 6961	1	168104894	168136739	31844	-
## 6962	1	168114549	168134906	20356	-
## 6963	1	168135036	168137390	2353	-
## 6964	1	168104894	168137165	32270	-
## 6965	1	168097232	168137165	39932	-
## 6966	1	168114549	168136739	22189	-
## 6967	1	168114549	168133876	19326	-

## 6968	1	168133921	168136257	2335	-
## 6969	1	168114549	168137165	22615	-
## 6970	1	168402343	168412793	10449	-
## 6971	1	168412936	168422130	9193	-
## 6972	1	168422204	168422590	385	-
## 6973	1	168464373	168485243	20869	-
## 6974	1	168485306	168485573	266	-
## 6975	1	168485731	168494046	8314	-
## 6976	1	168494124	168495588	1463	-
## 6977	1	168787228	168788781	1552	+
## 6978	1	168788889	168792331	3441	+
## 6979	1	169104493	169104710	216	+
## 6980	1	169424950	169427288	2337	-
## 6981	1	169397388	169419013	21624	-
## 6982	1	169424950	169459797	34846	-
## 6983	1	169459864	169460253	388	-
## 6984	1	169727525	169727739	213	-
## 6985	1	169727927	169728058	130	-
## 6986	1	169728246	169729186	939	-
## 6987	1	169729673	169730432	758	-
## 6988	1	169732998	169733576	577	-
## 6989	1	169733660	169733971	310	-
## 6990	1	169795213	169798919	3705	+
## 6991	1	169826215	169827051	835	+
## 6992	1	169806088	169821679	15590	+
## 6993	1	169793897	169794633	735	-
## 6994	1	169795115	169795829	713	+
## 6995	1	169795983	169798857	2873	+
## 6996	1	169794905	169798857	3951	+
## 6997	1	170174706	170226919	52212	+
## 6998	1	170227058	170240230	13171	+
## 6999	1	170240322	170241065	742	+
## 7000	1	170241285	170241386	100	+
## 7001	1	170146261	170160518	14256	+
## 7002	1	170160693	170166502	5808	+
## 7003	1	170166751	170167486	734	+
## 7004	1	170271981	170273533	1551	-
## 7005	1	170274507	170278830	4322	-
## 7006	1	170278932	170284139	5206	-
## 7007	1	170664459	170719726	55266	+
## 7008	1	170719901	170726220	6318	+
## 7009	1	170726401	170730277	3875	+
## 7010	1	170730348	170736048	5699	+
## 7011	1	170726401	170736048	9646	+
## 7012	1	171090964	171092653	1688	+
## 7013	1	171092790	171101080	8289	+
## 7014	1	171101206	171103785	2578	+
## 7015	1	171090981	171092653	1671	+
## 7016	1	171138644	171146478	7833	+
## 7017	1	171146519	171147626	1106	+
## 7018	1	171147768	171149560	1791	+
## 7019	1	171149759	171151910	2150	+
## 7020	1	171152265	171154142	1876	+
## 7021	1	171154214	171161158	6943	+

## 7022	1	171092790	171107675	14884	+
## 7023	1	171248614	171258082	9467	+
## 7024	1	171258219	171267543	9323	+
## 7025	1	171267731	171275346	7614	+
## 7026	1	171275508	171278729	3220	+
## 7027	1	171278871	171280786	1914	+
## 7028	1	171280985	171281978	992	+
## 7029	1	171282333	171283144	810	+
## 7030	1	171283216	171285202	1985	+
## 7031	1	171185359	171193335	7975	+
## 7032	1	171196811	171203865	7053	+
## 7033	1	171210717	171210800	82	+
## 7034	1	171248623	171258082	9458	+
## 7035	1	171258219	171275346	17126	+
## 7036	1	171620037	171623841	3803	+
## 7037	1	171623978	171626454	2475	+
## 7038	1	171784039	171785887	1847	+
## 7039	1	171864293	171864399	105	+
## 7040	1	172140596	172142136	1539	-
## 7041	1	172142213	172144365	2151	-
## 7042	1	172144437	172144654	216	-
## 7043	1	172453189	172456415	3225	+
## 7044	1	172456489	172462178	5688	+
## 7045	1	172462245	172465299	3053	+
## 7046	1	172465363	172468449	3085	+
## 7047	1	172420906	172445073	24166	+
## 7048	1	172445158	172448441	3282	+
## 7049	1	172448531	172456415	7883	+
## 7050	1	172588924	172590984	2059	+
## 7051	1	172532798	172533177	378	+
## 7052	1	172659549	172664334	4784	+
## 7053	1	172664390	172665622	1231	+
## 7054	1	172660140	172664334	4193	+
## 7055	1	173041713	173043939	2225	-
## 7056	1	173043969	173050741	6771	-
## 7057	1	173418622	173460378	41755	-
## 7058	1	173635845	173636827	981	+
## 7059	1	173610215	173624787	14571	-
## 7060	1	173624925	173627065	2139	-
## 7061	1	173627159	173646846	19686	-
## 7062	1	173647013	173659091	12077	-
## 7063	1	173659433	173669817	10383	-
## 7064	1	173624925	173646846	21920	-
## 7065	1	173904065	173907450	3384	-
## 7066	1	173907514	173909552	2037	-
## 7067	1	173909942	173910754	811	-
## 7068	1	173910891	173911799	907	-
## 7069	1	173912014	173914553	2538	-
## 7070	1	173914919	173917219	2299	-
## 7071	1	173850479	173851836	1356	+
## 7072	1	173868255	173868925	669	+
## 7073	1	173914919	173915018	98	-
## 7074	1	173915186	173917219	2032	-
## 7075	1	173864502	173864675	172	-

## 7076	1	173866581	173866761	179	-
## 7077	1	173865894	173866149	254	-
## 7078	1	173868009	173868754	744	-
## 7079	1	174121786	174155627	33840	-
## 7080	1	174155697	174158887	3189	-
## 7081	1	174158990	174159164	173	-
## 7082	1	174935100	174935399	298	-
## 7083	1	174935506	174938447	2940	-
## 7084	1	174938524	174945824	7299	-
## 7085	1	174945894	174948723	2828	-
## 7086	1	174948876	174954157	5280	-
## 7087	1	174875713	174877392	1678	+
## 7088	1	175166737	175176400	9662	-
## 7089	1	175176474	175177611	1136	-
## 7090	1	175877594	175878815	1220	+
## 7091	1	175880101	175880199	97	+
## 7092	1	177701362	177701459	96	+
## 7093	1	177701574	177708957	7382	+
## 7094	1	177709125	177709789	663	+
## 7095	1	177958975	177960791	1815	-
## 7096	1	177968039	177984206	16166	-
## 7097	1	177968039	177970190	2150	-
## 7098	1	177968039	177969884	1844	-
## 7099	1	178032495	178034705	2209	-
## 7100	1	178093412	178093561	148	-
## 7101	1	178542885	178545213	2327	+
## 7102	1	178851316	178852683	1366	-
## 7103	1	178852953	178853594	640	-
## 7104	1	178853787	178864954	11166	-
## 7105	1	178865802	178870741	4938	-
## 7106	1	178865802	178869114	3311	-
## 7107	1	178869223	178870741	1517	-
## 7108	1	179592125	179592602	476	+
## 7109	1	179593867	179595628	1760	+
## 7110	1	179595818	179618599	22780	+
## 7111	1	179640445	179650867	10421	+
## 7112	1	179652197	179654201	2003	+
## 7113	1	179654362	179662104	7741	+
## 7114	1	179606260	179618599	12338	+
## 7115	1	179591665	179592310	644	+
## 7116	1	179591825	179592602	776	+
## 7117	1	179592070	179592602	531	+
## 7118	1	179743423	179805628	62204	+
## 7119	1	179805773	179807798	2024	+
## 7120	1	179730417	179805628	75210	+
## 7121	1	179805658	179807798	2139	+
## 7122	1	179807888	179809325	1436	+
## 7123	1	179809446	179812110	2663	+
## 7124	1	179727845	179742355	14509	+
## 7125	1	179742512	179807798	65285	+
## 7126	1	179809446	179813076	3629	+
## 7127	1	179730417	179742355	11937	+
## 7128	1	179807888	179813076	5187	+
## 7129	1	179743566	179807798	64231	+

## 7130	1	179743423	179807798	64374	+
## 7131	1	179812131	179812892	760	+
## 7132	1	179812131	179812776	644	+
## 7133	1	179809446	179809682	235	+
## 7134	1	179742093	179742355	261	+
## 7135	1	179742512	179805628	63115	+
## 7136	1	180271971	180272613	641	-
## 7137	1	180248456	180266392	17935	+
## 7138	1	180271534	180271835	300	+
## 7139	1	180559055	180562204	3148	+
## 7140	1	180562344	180565251	2906	+
## 7141	1	180950918	180954668	3749	-
## 7142	1	181033464	181033887	422	+
## 7143	1	181049312	181050146	833	+
## 7144	1	181174575	181175337	761	+
## 7145	1	181175466	181181889	6422	+
## 7146	1	181236505	181237632	1126	+
## 7147	1	181237737	181238570	832	+
## 7148	1	182204105	182313490	109384	-
## 7149	1	182313785	182313948	162	-
## 7150	1	182408032	182408528	495	+
## 7151	1	182408607	182409243	635	+
## 7152	1	182409360	182414686	5325	+
## 7153	1	182646917	182648137	1219	-
## 7154	1	182648303	182665969	17665	-
## 7155	1	182666033	182666872	838	-
## 7156	1	182666973	182669624	2650	-
## 7157	1	182669752	182671657	1904	-
## 7158	1	182671730	182672819	1088	-
## 7159	1	182672932	182684352	11419	-
## 7160	1	182666973	182671657	4683	-
## 7161	1	182837934	182839312	1377	-
## 7162	1	182900234	182903039	2804	-
## 7163	1	182903161	182904180	1018	-
## 7164	1	182904430	182905496	1065	-
## 7165	1	182905649	182929647	23997	-
## 7166	1	182929752	182939176	9423	-
## 7167	1	182939394	182939467	72	-
## 7168	1	182939553	182940329	775	-
## 7169	1	182940543	182951318	10774	-
## 7170	1	182951467	182951937	469	-
## 7171	1	182951989	182952729	739	-
## 7172	1	182951467	182952729	1261	-
## 7173	1	183138580	183140811	2230	-
## 7174	1	183140969	183141142	172	-
## 7175	1	183293793	183304670	10876	-
## 7176	1	183461668	183461766	97	-
## 7177	1	183461961	183469674	7712	-
## 7178	1	183469799	183470465	665	-
## 7179	1	183470540	183470720	179	-
## 7180	1	183648811	183653072	4260	-
## 7181	1	184054863	184095690	40826	+
## 7182	1	184054863	184058161	3297	+
## 7183	1	184058240	184072157	13916	+

## 7184	1	184694472	184701497	7024	-
## 7185	1	184701544	184702811	1266	-
## 7186	1	184706827	184708153	1325	-
## 7187	1	185001627	185007694	6066	+
## 7188	1	185151935	185156984	5048	-
## 7189	1	185324028	185333020	8991	-
## 7190	1	185333302	185334266	963	-
## 7191	1	185334387	185334961	573	-
## 7192	1	186296293	186296846	552	+
## 7193	1	186296951	186300091	3139	+
## 7194	1	186296951	186301592	4640	+
## 7195	1	186301711	186304108	2396	+
## 7196	1	186304257	186304794	536	+
## 7197	1	186304922	186306318	1395	+
## 7198	1	186304257	186306318	2060	+
## 7199	1	186444506	186446426	1919	-
## 7200	1	186446577	186448628	2050	-
## 7201	1	186446577	186449399	2821	-
## 7202	1	186449483	186461059	11575	-
## 7203	1	186451274	186466288	15013	+
## 7204	1	187443726	187470071	26344	+
## 7205	1	187470192	187477020	6827	+
## 7206	1	190478492	190479082	589	+
## 7207	1	190479140	190480345	1204	+
## 7208	1	190478631	190480345	1713	+
## 7209	1	191221312	191228323	7010	-
## 7210	1	192317105	192342977	25871	+
## 7211	1	192343047	192347313	4265	+
## 7212	1	192347389	192352047	4657	+
## 7213	1	192352213	192365921	13707	+
## 7214	1	192638203	192644331	6127	+
## 7215	1	193051817	193059316	7498	-
## 7216	1	193051817	193059863	8045	-
## 7217	1	193101204	193105517	4312	-
## 7218	1	193101204	193105618	4413	-
## 7219	1	196774944	196779162	4217	+
## 7220	1	196779356	196779797	440	+
## 7221	1	196779973	196790045	10071	+
## 7222	1	196790227	196793317	3089	+
## 7223	1	196819902	196826829	6926	+
## 7224	1	196827005	196828070	1064	+
## 7225	1	196828246	196830500	2253	+
## 7226	1	196819902	196825645	5742	+
## 7227	1	196825671	196826829	1157	+
## 7228	1	196819902	196825642	5739	+
## 7229	1	196819902	196825639	5736	+
## 7230	1	196819902	196825528	5625	+
## 7231	1	196819902	196826877	6974	+
## 7232	1	196819902	196825477	5574	+
## 7233	1	196825671	196828097	2425	+
## 7234	1	196779973	196788216	8242	+
## 7235	1	196788398	196790045	1646	+
## 7236	1	196943938	196957891	13952	+
## 7237	1	196958073	196958881	807	+

## 7238	1	196888208	196902418	14209	+
## 7239	1	196902615	196912740	10124	+
## 7240	1	196912922	196914495	1572	+
## 7241	1	196914671	196914956	284	+
## 7242	1	196915138	196918210	3071	+
## 7243	1	196888208	196902421	14212	+
## 7244	1	196902615	196905108	2492	+
## 7245	1	196905290	196906861	1570	+
## 7246	1	196907037	196907316	278	+
## 7247	1	196907498	196910281	2782	+
## 7248	1	196910478	196912740	2261	+
## 7249	1	196943938	196949455	5516	+
## 7250	1	196949649	196950852	1202	+
## 7251	1	196951028	196957891	6862	+
## 7252	1	197039411	197040522	1110	-
## 7253	1	197040735	197050697	9961	-
## 7254	1	197050879	197052634	1754	-
## 7255	1	197052834	197055715	2880	-
## 7256	1	197055897	197057013	1115	-
## 7257	1	197057198	197057286	87	-
## 7258	1	197057465	197060366	2900	-
## 7259	1	197060542	197060899	356	-
## 7260	1	197061075	197061784	708	-
## 7261	1	197061969	197062857	887	-
## 7262	1	197063057	197067160	4102	-
## 7263	1	197200590	197201223	632	-
## 7264	1	198523564	198529081	5516	-
## 7265	1	198529181	198536679	7497	-
## 7266	1	198536724	198540569	3844	-
## 7267	1	198536696	198540569	3872	-
## 7268	1	198540685	198540875	189	-
## 7269	1	198529181	198540569	11387	-
## 7270	1	198992998	199008394	15395	-
## 7271	1	199008568	199018782	10213	-
## 7272	1	199041672	199076524	34851	+
## 7273	1	200343410	200368665	25254	-
## 7274	1	200368871	200371046	2174	-
## 7275	1	200371165	200373093	1927	-
## 7276	1	200373169	200373647	477	-
## 7277	1	200666751	200666846	94	-
## 7278	1	200644517	200659027	14509	-
## 7279	1	200649226	200663919	14692	-
## 7280	1	200895087	200898307	3219	+
## 7281	1	200912077	200913537	1459	+
## 7282	1	200907887	200908732	844	+
## 7283	1	200974194	200974714	519	-
## 7284	1	201153959	201171490	17530	-
## 7285	1	201153959	201154310	350	-
## 7286	1	201153959	201154449	489	-
## 7287	1	201143951	201145109	1157	-
## 7288	1	201145335	201146740	1404	-
## 7289	1	201359255	201359623	367	-
## 7290	1	201359663	201361279	1615	-
## 7291	1	201361369	201361913	543	-

## 7292	1	201362025	201362110	84	-
## 7293	1	201362115	201363296	1180	-
## 7294	1	201363406	201364298	891	-
## 7295	1	201364375	201365191	815	-
## 7296	1	201365307	201365610	302	-
## 7297	1	201365670	201366838	1167	-
## 7298	1	201366871	201367771	899	-
## 7299	1	201367806	201368162	355	-
## 7300	1	201368227	201372027	3799	-
## 7301	1	201372041	201372145	103	-
## 7302	1	201372155	201373214	1058	-
## 7303	1	201373268	201377623	4354	-
## 7304	1	201362022	201363296	1273	-
## 7305	1	201368227	201369816	1588	-
## 7306	1	201369845	201372027	2181	-
## 7307	1	201362027	201363295	1267	-
## 7308	1	201368227	201369333	1105	-
## 7309	1	201369342	201373213	3870	-
## 7310	1	201373401	201377623	4221	-
## 7311	1	201409250	201410326	1075	-
## 7312	1	201410435	201411357	921	-
## 7313	1	201411533	201413032	1498	-
## 7314	1	201413121	201414518	1396	-
## 7315	1	201414649	201415213	563	-
## 7316	1	201415254	201417779	2524	-
## 7317	1	201417812	201421673	3860	-
## 7318	1	201381893	201382252	358	-
## 7319	1	201382326	201382653	326	-
## 7320	1	201382739	201383074	334	-
## 7321	1	201383211	201383317	105	-
## 7322	1	201383389	201384792	1402	-
## 7323	1	201384835	201385701	865	-
## 7324	1	201385805	201386335	529	-
## 7325	1	201387178	201389160	1981	-
## 7326	1	201389303	201399269	9965	-
## 7327	1	201364375	201365610	1234	-
## 7328	1	201367803	201368162	358	-
## 7329	1	201466178	201467486	1307	-
## 7330	1	201467583	201468345	761	-
## 7331	1	201496304	201496422	117	-
## 7332	1	201496304	201506624	10319	-
## 7333	1	201485376	201488873	3496	-
## 7334	1	201507419	201530094	22674	+
## 7335	1	201530175	201531298	1122	+
## 7336	1	201888781	201889445	663	+
## 7337	1	201898398	201899237	838	-
## 7338	1	201900751	201946080	45328	-
## 7339	1	202000327	202009800	9472	-
## 7340	1	202010820	202011129	308	+
## 7341	1	202010706	202011129	422	+
## 7342	1	202170044	202171185	1140	+
## 7343	1	202177938	202180111	2172	+
## 7344	1	202180389	202181658	1268	+
## 7345	1	202181936	202183128	1191	+

## 7346	1	202183474	202183567	92	+
## 7347	1	202183659	202184682	1022	+
## 7348	1	202184779	202186261	1481	+
## 7349	1	202186429	202186533	103	+
## 7350	1	202186691	202187003	311	+
## 7351	1	202187356	202187463	106	+
## 7352	1	202187541	202188827	1285	+
## 7353	1	202159450	202161387	1936	-
## 7354	1	202157820	202158118	297	-
## 7355	1	202123593	202127741	4147	+
## 7356	1	202820385	202823257	2871	+
## 7357	1	202823906	202825186	1279	+
## 7358	1	202861809	202872200	10390	+
## 7359	1	202872279	202873057	777	+
## 7360	1	203020948	203022855	1906	+
## 7361	1	202987662	202988450	787	-
## 7362	1	202988605	202990266	1660	-
## 7363	1	202990393	202991134	740	-
## 7364	1	202991244	203006999	15754	-
## 7365	1	203018561	203020801	2239	+
## 7366	1	202954307	202958475	4167	-
## 7367	1	203084031	203084647	615	-
## 7368	1	203084728	203085491	762	-
## 7369	1	203083979	203084372	392	+
## 7370	1	203084573	203086483	1909	+
## 7371	1	203288306	203288505	198	+
## 7372	1	203288250	203288505	254	+
## 7373	1	203217133	203217302	168	-
## 7374	1	203217372	203217739	366	-
## 7375	1	203217865	203217935	69	-
## 7376	1	203301281	203304853	3571	-
## 7377	1	203304705	203304853	147	-
## 7378	1	203342494	203351033	8538	-
## 7379	1	203475928	203483169	7240	+
## 7380	1	203484157	203486706	2548	+
## 7381	1	203494217	203495965	1747	+
## 7382	1	203496236	203496977	740	+
## 7383	1	203497115	203498681	1565	+
## 7384	1	203498839	203499649	809	+
## 7385	1	203499851	203502914	3062	+
## 7386	1	203503009	203503550	540	+
## 7387	1	203503745	203508646	4900	+
## 7388	1	203475938	203483169	7230	+
## 7389	1	203769696	203770828	1131	+
## 7390	1	204033250	204033705	454	-
## 7391	1	204033867	204036969	3101	-
## 7392	1	204037084	204037461	376	-
## 7393	1	204037588	204040265	2676	-
## 7394	1	204040394	204041092	697	-
## 7395	1	204156796	204157361	564	-
## 7396	1	204146764	204151595	4830	-
## 7397	1	204141476	204141565	88	+
## 7398	1	204142260	204142649	388	+
## 7399	1	204190797	204192774	1976	-

## 7400	1	204192914	204196376	3461	-
## 7401	1	204134694	204137104	2409	-
## 7402	1	204141457	204149703	8245	-
## 7403	1	204532246	204546797	14550	+
## 7404	1	204525596	204537459	11862	+
## 7405	1	204526434	204546797	20362	+
## 7406	1	204525596	204549266	23669	+
## 7407	1	204620218	204682870	62651	-
## 7408	1	204682997	204685320	2322	-
## 7409	1	204871070	204920632	49561	+
## 7410	1	205043394	205053100	9705	+
## 7411	1	205053255	205057921	4665	+
## 7412	1	205058065	205058181	115	+
## 7413	1	205058356	205058568	211	+
## 7414	1	205058663	205059084	420	+
## 7415	1	205059293	205059583	289	+
## 7416	1	205059682	205061245	1562	+
## 7417	1	205061420	205061865	444	+
## 7418	1	205062001	205062440	438	+
## 7419	1	205062569	205064322	1752	+
## 7420	1	205064472	205064623	150	+
## 7421	1	205064750	205065087	336	+
## 7422	1	205065262	205065789	526	+
## 7423	1	205065909	205066441	531	+
## 7424	1	205066599	205067101	501	+
## 7425	1	205067250	205069491	2240	+
## 7426	1	205069561	205069827	265	+
## 7427	1	205070061	205070426	364	+
## 7428	1	205070538	205071947	1408	+
## 7429	1	205072133	205072483	349	+
## 7430	1	205072595	205073068	472	+
## 7431	1	205073236	205073656	419	+
## 7432	1	205043042	205053100	10057	+
## 7433	1	205069561	205069886	324	+
## 7434	1	205339808	205343229	3420	-
## 7435	1	205343793	205356533	12739	-
## 7436	1	205373434	205379054	5619	+
## 7437	1	205379325	205382027	2701	+
## 7438	1	205382144	205385233	3088	+
## 7439	1	205343793	205348376	4582	-
## 7440	1	205348590	205356533	7942	-
## 7441	1	205356569	205356988	418	-
## 7442	1	205343793	205344134	340	-
## 7443	1	205344458	205348376	3917	-
## 7444	1	205456223	205456892	668	+
## 7445	1	205457077	205466621	9543	+
## 7446	1	205437331	205455917	18585	-
## 7447	1	205556844	205558167	1322	-
## 7448	1	205558301	205558451	149	-
## 7449	1	205558550	205569129	10578	-
## 7450	1	205557470	205558167	696	-
## 7451	1	205569299	205579751	10451	+
## 7452	1	205579949	205580661	711	+
## 7453	1	205580921	205583955	3033	+

## 7454	1	205584123	205584876	752	+
## 7455	1	205584991	205586034	1042	+
## 7456	1	205586207	205592140	5932	+
## 7457	1	205599251	205600406	1154	+
## 7458	1	205862598	205891156	28557	+
## 7459	1	205891309	205894168	2858	+
## 7460	1	205890486	205891156	669	+
## 7461	1	205891309	205894467	3157	+
## 7462	1	205832766	205840252	7485	-
## 7463	1	205840323	205841811	1487	-
## 7464	1	205841889	205842154	264	-
## 7465	1	205842215	205842676	460	-
## 7466	1	205842751	205843667	915	-
## 7467	1	205843786	205844087	300	-
## 7468	1	205844217	205844811	593	-
## 7469	1	205845557	205847885	2327	-
## 7470	1	205847971	205849904	1932	-
## 7471	1	205841889	205842676	786	-
## 7472	1	206022267	206023724	1456	-
## 7473	1	205934953	205935608	654	+
## 7474	1	205935767	205971687	35919	+
## 7475	1	205971784	205976019	4234	+
## 7476	1	205935196	205935608	411	+
## 7477	1	206110523	206115951	5427	-
## 7478	1	206053265	206097733	44467	+
## 7479	1	206202005	206202516	510	-
## 7480	1	206202005	206202610	604	-
## 7481	1	206199884	206201994	2109	-
## 7482	1	206201889	206202610	720	-
## 7483	1	206199884	206203844	3959	-
## 7484	1	206204061	206204252	190	-
## 7485	1	206203558	206204252	693	-
## 7486	1	206204037	206204252	214	-
## 7487	1	206204061	206205626	1564	-
## 7488	1	206600308	206605400	5091	-
## 7489	1	206769894	206770399	504	-
## 7490	1	206769894	206770082	187	-
## 7491	1	206770319	206770907	587	-
## 7492	1	206931555	206931671	115	-
## 7493	1	206931802	206932456	653	-
## 7494	1	206932577	206932986	408	-
## 7495	1	206933166	206934420	1253	-
## 7496	1	206934746	206935486	739	-
## 7497	1	206935818	206937095	1276	-
## 7498	1	206937751	206939119	1367	-
## 7499	1	206939463	206940489	1025	-
## 7500	1	206940584	206946336	5751	-
## 7501	1	206897615	206897731	115	+
## 7502	1	206897876	206900295	2418	+
## 7503	1	206900357	206901998	1640	+
## 7504	1	206897876	206899317	1440	+
## 7505	1	206899515	206900295	779	+
## 7506	1	206897876	206899320	1443	+
## 7507	1	206900357	206901494	1136	+

## 7508	1	206863607	206865547	1939	+
## 7509	1	206865686	206865823	136	+
## 7510	1	206866011	206866299	287	+
## 7511	1	206866364	206866484	119	+
## 7512	1	206866636	206867384	747	+
## 7513	1	206867458	206868487	1028	+
## 7514	1	206863607	206865346	1738	+
## 7515	1	206865426	206865547	120	+
## 7516	1	206866636	206868487	1850	+
## 7517	1	207023480	207024887	1406	-
## 7518	1	207025064	207032579	7514	-
## 7519	1	207050847	207052185	1337	-
## 7520	1	207052323	207052864	540	-
## 7521	1	207025064	207027494	2429	-
## 7522	1	207027679	207032579	4899	-
## 7523	1	207115515	207123922	8406	+
## 7524	1	207126895	207131546	4650	+
## 7525	1	207683957	207694353	10395	+
## 7526	1	207708263	207717464	9200	+
## 7527	1	207802662	207806005	3342	-
## 7528	1	207806097	207815929	9831	-
## 7529	1	207817414	207822204	4789	-
## 7530	1	207817414	207818962	1547	-
## 7531	1	207819146	207822204	3057	-
## 7532	1	207785106	207793519	8412	+
## 7533	1	207767195	207783292	16096	+
## 7534	1	207959075	207960115	1039	+
## 7535	1	207960239	207965628	5388	+
## 7536	1	207960239	207967457	7217	+
## 7537	1	208728734	208729143	408	+
## 7538	1	208729277	208729818	540	+
## 7539	1	208730075	208733098	3022	+
## 7540	1	208972776	208975036	2259	+
## 7541	1	209325580	209327348	1767	+
## 7542	1	209327472	209328291	818	+
## 7543	1	209372214	209373394	1179	+
## 7544	1	209373554	209379427	5872	+
## 7545	1	209429088	209429181	92	+
## 7546	1	209429408	209430425	1016	+
## 7547	1	209430476	209432204	1727	+
## 7548	1	209428882	209429181	298	+
## 7549	1	209429408	209432204	2795	+
## 7550	1	209429408	209431743	2334	+
## 7551	1	209431825	209432204	378	+
## 7552	1	209430476	209431743	1266	+
## 7553	1	209622680	209622982	301	-
## 7554	1	209650981	209652369	1387	-
## 7555	1	209650981	209652249	1267	-
## 7556	1	209775736	209778111	2374	+
## 7557	1	209758854	209759034	179	+
## 7558	1	209802043	209805947	3903	-
## 7559	1	209796552	209805947	9394	-
## 7560	1	210231771	210233635	1863	-
## 7561	1	211133026	211133188	161	-

## 7562	1	211346422	211353239	6816	+
## 7563	1	211326673	211353239	26565	+
## 7564	1	211481429	211491768	10338	-
## 7565	1	211639889	211640219	329	+
## 7566	1	211640360	211654044	13683	+
## 7567	1	211829803	211831264	1460	+
## 7568	1	211831412	211846047	14634	+
## 7569	1	211829918	211831245	1326	+
## 7570	1	211831412	211839464	8051	+
## 7571	1	211839533	211846047	6513	+
## 7572	1	211831040	211831256	215	+
## 7573	1	211839533	211851521	11987	+
## 7574	1	211851606	211851703	96	+
## 7575	1	211851772	211853562	1789	+
## 7576	1	212213195	212214699	1503	-
## 7577	1	212214776	212230203	15426	-
## 7578	1	212230259	212238907	8647	-
## 7579	1	212238976	212284979	46002	-
## 7580	1	212545765	212554412	8646	+
## 7581	1	212554448	212555843	1394	+
## 7582	1	212608930	212615041	6110	+
## 7583	1	212608930	212610840	1909	+
## 7584	1	212610847	212615066	4218	+
## 7585	1	212812328	212815047	2718	+
## 7586	1	212804651	212812251	7599	+
## 7587	1	212830261	212835873	5611	-
## 7588	1	212836187	212847580	11392	-
## 7589	1	212951392	212951589	196	+
## 7590	1	212950740	212961166	10425	+
## 7591	1	212961254	212972580	11325	+
## 7592	1	213008466	213015609	7142	-
## 7593	1	213008466	213011208	2741	-
## 7594	1	213011458	213015613	4154	-
## 7595	1	213011458	213015149	3690	-
## 7596	1	216072600	216079073	6472	+
## 7597	1	216079201	216086722	7520	+
## 7598	1	216072600	216086722	14121	+
## 7599	1	217781283	217782125	841	-
## 7600	1	217782299	217784962	2662	-
## 7601	1	217892926	217911758	18831	+
## 7602	1	217911981	217918193	6211	+
## 7603	1	217918304	217919584	1279	+
## 7604	1	218044597	218046134	1536	+
## 7605	1	218046253	218051155	4901	+
## 7606	1	218051262	218058734	7471	+
## 7607	1	218344462	218345175	712	-
## 7608	1	218345388	218345603	214	-
## 7609	1	218510187	218523353	13165	+
## 7610	1	218523450	218525407	1956	+
## 7611	1	218913015	218915235	2219	-
## 7612	1	218915318	218916138	819	-
## 7613	1	218916183	218918271	2087	-
## 7614	1	218918297	218918488	190	-
## 7615	1	219175020	219179147	4126	+

## 7616	1	219179246	219210515	31268	+
## 7617	1	219179426	219193082	13655	+
## 7618	1	219179426	219193130	13703	+
## 7619	1	219612563	219612931	367	-
## 7620	1	219927105	219927801	695	-
## 7621	1	219927143	219927801	657	-
## 7622	1	220829442	220830693	1250	+
## 7623	1	220830907	220831142	234	+
## 7624	1	220831383	220832113	729	+
## 7625	1	220763050	220783919	20868	+
## 7626	1	221333985	221335863	1877	-
## 7627	1	221706466	221736843	30376	-
## 7628	1	221827756	221834292	6535	-
## 7629	1	221834346	221840308	5961	-
## 7630	1	221840453	221840536	82	-
## 7631	1	221918712	221978360	59647	-
## 7632	1	221966502	221983000	16497	+
## 7633	1	221983143	221984761	1617	+
## 7634	1	222522887	222523612	724	-
## 7635	1	222523694	222526969	3274	-
## 7636	1	222527050	222531966	4915	-
## 7637	1	222532111	222538648	6536	-
## 7638	1	222538774	222540010	1235	-
## 7639	1	222540341	222542012	1670	-
## 7640	1	222542155	222543537	1381	-
## 7641	1	222544189	222547724	3534	-
## 7642	1	222589962	222590258	295	+
## 7643	1	222662332	222662458	125	+
## 7644	1	222662529	222663998	1468	+
## 7645	1	222737322	222737878	555	+
## 7646	1	222738021	222746531	8509	+
## 7647	1	222747081	222748961	1879	+
## 7648	1	222747081	222749465	2383	+
## 7649	1	223961232	223976880	15647	-
## 7650	1	224209011	224212755	3743	-
## 7651	1	224219902	224223414	3511	+
## 7652	1	224223828	224227426	3597	+
## 7653	1	224183831	224189577	5745	+
## 7654	1	224955098	224964479	9380	+
## 7655	1	224967514	224968759	1244	+
## 7656	1	225937804	225939361	1556	-
## 7657	1	225939600	225939756	155	-
## 7658	1	225940002	225940891	888	-
## 7659	1	225939871	225939974	102	-
## 7660	1	225887090	225887399	308	-
## 7661	1	225887638	225887786	147	-
## 7662	1	225888032	225888817	784	-
## 7663	1	226083968	226086796	2827	+
## 7664	1	226087053	226089490	2436	+
## 7665	1	226062489	226062735	245	+
## 7666	1	226062384	226062735	350	+
## 7667	1	226062811	226064334	1522	+
## 7668	1	226062094	226062735	640	+
## 7669	1	226148068	226154603	6534	+

## 7670	1	226224074	226225483	1408	+
## 7671	1	226301205	226309626	8420	-
## 7672	1	226287797	226301173	13375	-
## 7673	1	226297832	226301173	3340	-
## 7674	1	226297810	226301173	3362	-
## 7675	1	226239096	226265533	26436	-
## 7676	1	226596981	226597403	421	+
## 7677	1	226597409	226602004	4594	+
## 7678	1	227697166	227697585	418	-
## 7679	1	227731747	227747692	15944	+
## 7680	1	227767083	227775789	8705	+
## 7681	1	227735730	227747692	11961	+
## 7682	1	227728284	227728690	405	+
## 7683	1	227735499	227739206	3706	+
## 7684	1	227739302	227747692	8389	+
## 7685	1	227787151	227789105	1953	+
## 7686	1	227787151	227789148	1996	+
## 7687	1	227787467	227789105	1637	+
## 7688	1	227788011	227789148	1136	+
## 7689	1	227788899	227789105	205	+
## 7690	1	227788899	227789148	248	+
## 7691	1	227767083	227768249	1165	+
## 7692	1	227768364	227780527	12162	+
## 7693	1	227728786	227758995	30208	+
## 7694	1	227815864	227816090	225	+
## 7695	1	227816252	227817209	956	+
## 7696	1	227817480	227845954	28473	+
## 7697	1	227817480	227845470	27989	+
## 7698	1	227845612	227845954	341	+
## 7699	1	227967162	227967390	227	+
## 7700	1	227967447	227967541	93	+
## 7701	1	228007199	228022667	15467	+
## 7702	1	228022908	228050656	27747	+
## 7703	1	228050921	228058986	8064	+
## 7704	1	228150007	228157740	7732	+
## 7705	1	228101473	228101735	261	-
## 7706	1	228101914	228102080	165	-
## 7707	1	228164492	228164654	161	-
## 7708	1	228164492	228165474	981	-
## 7709	1	228108084	228108235	150	-
## 7710	1	228108321	228108437	115	-
## 7711	1	228204155	228213422	9266	-
## 7712	1	228206650	228209687	3036	-
## 7713	1	228209764	228212521	2756	-
## 7714	1	228408751	228409172	420	-
## 7715	1	228409275	228409389	113	-
## 7716	1	228409411	228410946	1534	-
## 7717	1	228415077	228416539	1461	-
## 7718	1	228415113	228416539	1425	-
## 7719	1	228415077	228416387	1309	-
## 7720	1	228512004	228512183	178	-
## 7721	1	228645032	228650064	5031	+
## 7722	1	229174722	229174790	67	-
## 7723	1	229259120	229267954	8833	-

## 7724	1	229259120	229270976	11855	-
## 7725	1	229342513	229342912	398	-
## 7726	1	229431642	229431721	78	-
## 7727	1	229431902	229431994	91	-
## 7728	1	229432185	229432270	84	-
## 7729	1	229432431	229432556	124	-
## 7730	1	229432880	229432987	106	-
## 7731	1	229433127	229434004	876	-
## 7732	1	229508679	229510124	1444	+
## 7733	1	229510240	229513978	3737	+
## 7734	1	229875721	229885540	9818	-
## 7735	1	229885174	229885540	365	-
## 7736	1	229885818	229891966	6147	-
## 7737	1	229885174	229891966	6791	-
## 7738	1	229885174	229893887	8712	-
## 7739	1	230592840	230595362	2521	-
## 7740	1	230710853	230745515	34661	-
## 7741	1	230747709	230762653	14943	+
## 7742	1	230762786	230767541	4754	+
## 7743	1	230767709	230769180	1470	+
## 7744	1	230769263	230772014	2750	+
## 7745	1	230772099	230774554	2454	+
## 7746	1	230774631	230778973	4341	+
## 7747	1	230779133	230780179	1045	+
## 7748	1	230780336	230780500	163	+
## 7749	1	230780708	230785981	5272	+
## 7750	1	230786017	230787522	1504	+
## 7751	1	230787602	230790132	2529	+
## 7752	1	230790189	230791864	1674	+
## 7753	1	230791928	230792426	497	+
## 7754	1	230792494	230792850	355	+
## 7755	1	230792928	230795163	2234	+
## 7756	1	230795279	230798162	2882	+
## 7757	1	230798220	230801570	3349	+
## 7758	1	230747709	230755337	7627	+
## 7759	1	230755406	230759512	4105	+
## 7760	1	230759630	230762653	3022	+
## 7761	1	230772099	230778973	6873	+
## 7762	1	230875155	230875306	150	+
## 7763	1	230875565	230878792	3226	+
## 7764	1	230868402	230868812	409	-
## 7765	1	230868915	230869482	566	-
## 7766	1	230855718	230855878	159	-
## 7767	1	230990263	230990600	336	+
## 7768	1	230999801	231000138	336	+
## 7769	1	231185236	231186076	839	-
## 7770	1	231186173	231187517	1343	-
## 7771	1	231702024	231722539	20514	+
## 7772	1	231702024	231720848	18823	+
## 7773	1	231720924	231722539	1614	+
## 7774	1	231702024	231720947	18922	+
## 7775	1	231721072	231722539	1466	+
## 7776	1	231694805	231722539	27733	+
## 7777	1	231925950	231940928	14977	+

## 7778	1	231941050	231943749	2698	+
## 7779	1	231943959	231944923	963	+
## 7780	1	232718092	232718670	577	+
## 7781	1	232718888	232722120	3231	+
## 7782	1	232728689	232730575	1885	-
## 7783	1	232730781	232735701	4919	-
## 7784	1	232735750	232742367	6616	-
## 7785	1	232951132	232955557	4424	+
## 7786	1	232956447	232978163	21715	+
## 7787	1	232950744	232969909	19164	+
## 7788	1	232956447	232969909	13461	+
## 7789	1	234530342	234531026	683	-
## 7790	1	234531181	234531528	346	-
## 7791	1	234646505	234655226	8720	+
## 7792	1	234655464	234656108	643	+
## 7793	1	234656233	234660134	3900	+
## 7794	1	234724082	234725223	1140	+
## 7795	1	234629747	234632948	3200	+
## 7796	1	234957521	234957679	157	-
## 7797	1	235065613	235067706	2092	-
## 7798	1	235067943	235068296	352	-
## 7799	1	235068502	235069404	901	-
## 7800	1	235328498	235335242	6743	+
## 7801	1	235330500	235335242	4741	+
## 7802	1	235327498	235335242	7743	+
## 7803	1	235494828	235496186	1357	-
## 7804	1	235583848	235650549	66700	-
## 7805	1	235595511	235650549	55037	-
## 7806	1	236523624	236523970	345	+
## 7807	1	236518284	236518424	139	+
## 7808	1	236518500	236525968	7467	+
## 7809	1	237882549	237882742	192	-
## 7810	1	237882846	237884769	1922	-
## 7811	1	237884847	237885165	317	-
## 7812	1	237885315	237885391	75	-
## 7813	1	237885580	237885756	175	-
## 7814	1	237885886	237886771	884	-
## 7815	1	237886868	237887374	505	-
## 7816	1	237887561	237888358	796	-
## 7817	1	237888510	237889867	1356	-
## 7818	1	237889969	237890055	85	-
## 7819	1	237890176	237890461	284	-
## 7820	1	239898392	239899764	1371	-
## 7821	1	240007837	240012622	4784	+
## 7822	1	241885507	241889467	3959	+
## 7823	1	241849027	241849112	84	+
## 7824	1	241996385	241998514	2128	-
## 7825	1	241998620	241998776	155	-
## 7826	1	241998831	241998951	119	-
## 7827	1	243059668	243060419	750	-
## 7828	1	243060537	243066073	5535	-
## 7829	1	243067287	243067625	337	-
## 7830	1	243091596	243092041	444	-
## 7831	1	243092194	243092479	284	-

## 7832	1	244352734	244364688	11953	+
## 7833	1	244364756	244375372	10615	+
## 7834	1	244375467	244378563	3095	+
## 7835	1	244378639	244388951	10311	+
## 7836	1	244375467	244388951	13483	+
## 7837	1	244375467	244378467	2999	+
## 7838	1	244969979	244970812	832	-
## 7839	1	245206793	245214154	7360	-
## 7840	1	245214206	245216138	1931	-
## 7841	1	245216303	245226017	9713	-
## 7842	1	245226142	245234387	8244	-
## 7843	1	246516830	246517699	868	-
## 7844	1	246517779	246524197	6417	-
## 7845	1	246566789	246591512	24722	+
## 7846	1	246867351	246867661	309	-
## 7847	1	246890059	246890956	896	-
## 7848	1	246891060	246891779	718	-
## 7849	1	246918377	246931308	12930	-
## 7850	1	246840998	246842698	1699	-
## 7851	1	246967792	246988125	20332	-
## 7852	1	247105640	247105993	352	+
## 7853	1	247106151	247108372	2220	+
## 7854	1	247157207	247159006	1798	-
## 7855	1	247525933	247526370	436	-
## 7856	1	247526746	247528357	1610	-
## 7857	1	247528422	247530590	2167	-
## 7858	1	247507233	247526940	19706	+
## 7859	1	247527054	247538676	11621	+
## 7860	1	247538791	247549045	10253	+
## 7861	1	247527054	247549045	21990	+
## 7862	1	247527054	247556407	29352	+
## 7863	1	247527054	247563590	36535	+
## 7864	1	247532540	247533507	966	-
## 7865	1	247527054	247549136	22081	+
## 7866	1	247518608	247526940	8331	+
## 7867	1	248697207	248698859	1651	+
## 7868	1	248751130	248755239	4108	-
## 7869	1	248755386	248755705	318	-
## 7870	1	248751130	248755705	4574	-
## 7871	1	248857497	248857739	241	-
## 7872	1	248855943	248856288	344	-
## 7873	1	248858321	248858512	190	-
## 7874	1	248858321	248859015	693	-
## 7875	1	248814610	248814711	100	-
## 7876	1	248814877	248816534	1656	-
## 7877	2	201288781	201289457	675	-
## 7878	2	201289859	201299238	9378	-
## 7879	2	201330833	201344170	13336	-
## 7880	2	201346675	201348100	1424	-
## 7881	2	201351451	201356982	5530	-
## 7882	2	201351451	201357314	5862	-
## 7883	2	67086555	67264997	178441	+
## 7884	2	67265192	67268484	3291	+
## 7885	2	67268638	67287756	19117	+

## 7886	2	67287818	67289083	1264	+
## 7887	2	201289854	201299238	9383	-
## 7888	2	25161752	25164641	2888	-
## 7889	2	25164822	25168498	3675	-
## 7890	2	25164822	25165636	813	-
## 7891	2	25165685	25168498	2812	-
## 7892	2	49922251	49943713	21461	-
## 7893	2	49943791	50053271	109479	-
## 7894	2	50053590	50054955	1364	-
## 7895	2	50055044	50091323	36278	-
## 7896	2	50091494	50236789	145294	-
## 7897	2	50236970	50465442	228471	-
## 7898	2	50465561	50472298	6736	-
## 7899	2	50472471	50495905	23433	-
## 7900	2	50496095	50497333	1237	-
## 7901	2	50497714	50506495	8780	-
## 7902	2	50506617	50528625	22007	-
## 7903	2	50528651	50531227	2575	-
## 7904	2	50531430	50538253	6822	-
## 7905	2	50538636	50552587	13950	-
## 7906	2	50553025	50620022	66996	-
## 7907	2	50620183	50623314	3130	-
## 7908	2	50623617	50631099	7481	-
## 7909	2	50631105	50922655	291549	-
## 7910	2	50922687	50925938	3250	-
## 7911	2	50925955	51027502	101546	-
## 7912	2	51029194	51031981	2786	-
## 7913	2	50053590	50091323	37732	-
## 7914	2	50506617	50531227	24609	-
## 7915	2	50623615	51027502	403886	-
## 7916	2	25164792	25168498	3705	-
## 7917	2	33447943	33481183	33239	+
## 7918	2	33481304	33511710	30405	+
## 7919	2	49922251	49943704	21452	-
## 7920	2	50236970	50346691	109720	-
## 7921	2	25164792	25165636	843	-
## 7922	2	33476707	33481183	4475	+
## 7923	2	50620183	50621205	1021	-
## 7924	2	50621249	50623314	2064	-
## 7925	2	50620183	50621226	1042	-
## 7926	2	50623615	50922658	299042	-
## 7927	2	50922687	51027502	104814	-
## 7928	2	58520937	58656650	135712	+
## 7929	2	58850606	58912719	62112	+
## 7930	2	58912746	58924545	11798	+
## 7931	2	59022982	59024836	1853	+
## 7932	2	59024990	59033170	8179	+
## 7933	2	59033215	59058561	25345	+
## 7934	2	33514019	33515010	990	+
## 7935	2	50925952	51027502	101549	-
## 7936	2	33447943	33511710	63766	+
## 7937	2	50925955	51026371	100415	-
## 7938	2	51026469	51027502	1032	-
## 7939	2	41938613	41947495	8881	-

## 7940	2	41947571	41952988	5416	-
## 7941	2	41953308	41953727	418	-
## 7942	2	75493609	75518056	24446	-
## 7943	2	75518208	75522365	4156	-
## 7944	2	75522487	75560680	38192	-
## 7945	2	75522487	75569476	46988	-
## 7946	2	75522487	75526112	3624	-
## 7947	2	75526199	75560680	34480	-
## 7948	2	75560919	75561257	337	-
## 7949	2	176157452	176164073	6620	+
## 7950	2	176164168	176169031	4862	+
## 7951	2	176169655	176171517	1861	+
## 7952	2	167293334	167490177	196842	+
## 7953	2	167490277	167646909	156631	+
## 7954	2	167646966	167818672	171705	+
## 7955	2	167818793	167868811	50017	+
## 7956	2	209424276	209580036	155759	+
## 7957	2	209653432	209678572	25139	+
## 7958	2	209680827	209700277	19449	+
## 7959	2	209700338	209705580	5241	+
## 7960	2	209705727	209709914	4186	+
## 7961	2	209579438	209580036	597	+
## 7962	2	209680827	209692637	11809	+
## 7963	2	209692726	209696917	4190	+
## 7964	2	209697051	209700277	3225	+
## 7965	2	209710254	209725709	15454	+
## 7966	2	209424276	209507592	83315	+
## 7967	2	209507641	209580036	72394	+
## 7968	2	209678685	209680753	2067	+
## 7969	2	209696350	209696542	191	+
## 7970	2	209696748	209696920	171	+
## 7971	2	209661678	209678572	16893	+
## 7972	2	209696748	209696917	168	+
## 7973	2	209697051	209700280	3228	+
## 7974	2	209680827	209692625	11797	+
## 7975	2	209579755	209580036	280	+
## 7976	2	209680827	209696917	16089	+
## 7977	2	209680827	209690603	9775	+
## 7978	2	209690848	209692625	1776	+
## 7979	2	209680827	209696542	15714	+
## 7980	2	209690848	209700277	9428	+
## 7981	2	209579755	209579906	150	+
## 7982	2	209579957	209580036	78	+
## 7983	2	209700338	209704450	4111	+
## 7984	2	209704620	209705580	959	+
## 7985	2	209690848	209692637	1788	+
## 7986	2	209680827	209700280	19452	+
## 7987	2	209424276	209481262	56985	+
## 7988	2	209481352	209507592	26239	+
## 7989	2	209680827	209690606	9778	+
## 7990	2	209680827	209700295	19467	+
## 7991	2	209680827	209705580	24752	+
## 7992	2	209710254	209729850	19595	+
## 7993	2	1792464	1801696	9231	-

## 7994	2	1801799	1809076	7276	-
## 7995	2	1809167	1839149	29981	-
## 7996	2	1839370	1840760	1389	-
## 7997	2	1840843	1851641	10797	-
## 7998	2	1851703	1886539	34835	-
## 7999	2	1886607	1887488	880	-
## 8000	2	1887609	1889241	1631	-
## 8001	2	1889477	1892037	2559	-
## 8002	2	1892287	1903080	10792	-
## 8003	2	1903294	1910240	6945	-
## 8004	2	1910347	1912020	1672	-
## 8005	2	1912110	1917205	5094	-
## 8006	2	1917339	1922286	4946	-
## 8007	2	1923263	1942982	19718	-
## 8008	2	1943334	1979165	35830	-
## 8009	2	1979227	1979521	293	-
## 8010	2	1979554	1979723	168	-
## 8011	2	1979777	1997191	17413	-
## 8012	2	1997347	2053978	56630	-
## 8013	2	2054123	2172872	118748	-
## 8014	2	2172988	2284404	111415	-
## 8015	2	2284503	2326036	41532	-
## 8016	2	2326111	2330967	4855	-
## 8017	2	2284503	2330967	46463	-
## 8018	2	1792464	1801690	9225	-
## 8019	2	1917339	1922292	4952	-
## 8020	2	1791262	1792321	1058	-
## 8021	2	2284503	2324332	39828	-
## 8022	2	951068	1083518	132449	+
## 8023	2	1083655	1098196	14540	+
## 8024	2	1098252	1098353	100	+
## 8025	2	1098410	1137622	39211	+
## 8026	2	1137665	1137768	102	+
## 8027	2	1137809	1165548	27738	+
## 8028	2	1165635	1173092	7456	+
## 8029	2	1173183	1209103	35919	+
## 8030	2	1209230	1237888	28657	+
## 8031	2	1238017	1239738	1720	+
## 8032	2	1239776	1247327	7550	+
## 8033	2	1247443	1259370	11926	+
## 8034	2	1259441	1267365	7923	+
## 8035	2	1267571	1308494	40922	+
## 8036	2	1308586	1316265	7678	+
## 8037	2	1316375	1367343	50967	+
## 8038	2	2284503	2324171	39667	-
## 8039	2	9424052	9428765	4712	+
## 8040	2	9424960	9428765	3804	+
## 8041	2	11534254	11556454	22199	+
## 8042	2	11562582	11566480	3897	+
## 8043	2	11566656	11576353	9696	+
## 8044	2	11580832	11585161	4328	+
## 8045	2	11585905	11588746	2840	+
## 8046	2	11588931	11592776	3844	+
## 8047	2	11593126	11595251	2124	+

## 8048	2	11595379	11596111	731	+
## 8049	2	11598860	11600800	1939	+
## 8050	2	11600995	11602406	1410	+
## 8051	2	11602542	11610688	8145	+
## 8052	2	11611027	11612495	1467	+
## 8053	2	11637916	11638671	754	+
## 8054	2	9424052	9426533	2480	+
## 8055	2	9426622	9428765	2142	+
## 8056	2	9430880	9432639	1758	+
## 8057	2	19960614	19962295	1680	-
## 8058	2	19962327	19966724	4396	-
## 8059	2	24122547	24123118	570	-
## 8060	2	27255460	27256386	925	-
## 8061	2	27258307	27258753	445	-
## 8062	2	27258934	27275177	16242	-
## 8063	2	28310369	28338450	28080	+
## 8064	2	28310369	28327274	16904	+
## 8065	2	27888755	27894533	5777	+
## 8066	2	29209878	29213984	4105	-
## 8067	2	29222607	29223342	734	-
## 8068	2	29223528	29225461	1932	-
## 8069	2	29225565	29226922	1356	-
## 8070	2	29227074	29227574	499	-
## 8071	2	29227672	29228884	1211	-
## 8072	2	29229066	29232304	3237	-
## 8073	2	29232448	29233565	1116	-
## 8074	2	29233696	29239680	5983	-
## 8075	2	29239830	29251105	11274	-
## 8076	2	29251267	29275099	23831	-
## 8077	2	29275227	29275402	174	-
## 8078	2	29275496	29296888	21391	-
## 8079	2	29297057	29318304	21246	-
## 8080	2	29318404	29320751	2346	-
## 8081	2	29320882	29328350	7467	-
## 8082	2	29328481	29383732	55250	-
## 8083	2	29383859	29531915	148055	-
## 8084	2	29532116	29694850	162733	-
## 8085	2	29695014	29717578	22563	-
## 8086	2	29717697	29919993	202295	-
## 8087	2	28310153	28327228	17074	+
## 8088	2	27258934	27264010	5075	-
## 8089	2	27264082	27275177	11094	-
## 8090	2	27275251	27275530	278	-
## 8091	2	36759046	36767094	8047	+
## 8092	2	36775067	36783340	8272	+
## 8093	2	36773847	36783340	9492	+
## 8094	2	36775067	36787129	12061	+
## 8095	2	36773847	36781727	7879	+
## 8096	2	51033016	51052357	19340	+
## 8097	2	51052454	51328389	275934	+
## 8098	2	51328489	51378095	49605	+
## 8099	2	51378173	51527602	149428	+
## 8100	2	51527660	51762089	234428	+
## 8101	2	51762174	51861449	99274	+

## 8102	2	51861488	52316232	454743	+
## 8103	2	52316300	52349325	33024	+
## 8104	2	52351286	52352874	1587	+
## 8105	2	52352962	52406978	54015	+
## 8106	2	62831158	62858406	27247	+
## 8107	2	62858510	62859169	658	+
## 8108	2	62705640	62706897	1256	+
## 8109	2	64988554	65001448	12893	+
## 8110	2	62705722	62706897	1174	+
## 8111	2	62706754	62706897	142	+
## 8112	2	62674083	62706897	32813	+
## 8113	2	65010763	65018071	7307	+
## 8114	2	73386192	73408622	22429	+
## 8115	2	73408747	73419123	10375	+
## 8116	2	72179461	72182894	3432	-
## 8117	2	72182905	72184075	1169	-
## 8118	2	72733118	72825798	92679	-
## 8119	2	72179461	72182853	3391	-
## 8120	2	72465339	72492318	26978	-
## 8121	2	72335020	72480616	145595	-
## 8122	2	72184187	72379729	195541	-
## 8123	2	79513207	79651552	138344	+
## 8124	2	79651658	79744387	92728	+
## 8125	2	79744582	79858013	113430	+
## 8126	2	79858179	79869816	11636	+
## 8127	2	79869935	79874076	4140	+
## 8128	2	79874342	79909594	35251	+
## 8129	2	79909797	80393211	483413	+
## 8130	2	80393291	80419449	26157	+
## 8131	2	80419601	80544982	125380	+
## 8132	2	80545074	80545907	832	+
## 8133	2	80546063	80555693	9629	+
## 8134	2	80555893	80574163	18269	+
## 8135	2	80574314	80581706	7391	+
## 8136	2	80581819	80589304	7484	+
## 8137	2	80589485	80604074	14588	+
## 8138	2	80604179	80608184	4004	+
## 8139	2	80608318	80647585	39266	+
## 8140	2	80608318	80619085	10766	+
## 8141	2	80619228	80647585	28356	+
## 8142	2	79523309	79651552	128242	+
## 8143	2	80604179	80647585	43405	+
## 8144	2	88068001	88084316	16314	+
## 8145	2	88084492	88087862	3369	+
## 8146	2	88088075	88091012	2936	+
## 8147	2	88091142	88093517	2374	+
## 8148	2	88093555	88096595	3039	+
## 8149	2	88096784	88103058	6273	+
## 8150	2	88103150	88106325	3174	+
## 8151	2	88106488	88108371	1882	+
## 8152	2	88108539	88110354	1814	+
## 8153	2	88091142	88096595	5452	+
## 8154	2	98446150	98518964	72813	+
## 8155	2	98546694	98548952	2257	+

## 8156	2	98548969	98552786	3816	+
## 8157	2	98546694	98548955	2260	+
## 8158	2	98555691	98563465	7773	+
## 8159	2	98577143	98581576	4432	+
## 8160	2	98444655	98518964	74308	+
## 8161	2	107986763	107988105	1341	+
## 8162	2	107988333	107992106	3772	+
## 8163	2	107992219	107992972	752	+
## 8164	2	107993127	107997838	4710	+
## 8165	2	107997986	108001897	3910	+
## 8166	2	108002040	108006049	4008	+
## 8167	2	108006202	108008465	2262	+
## 8168	2	108008682	108010232	1549	+
## 8169	2	101859864	101863821	3956	+
## 8170	2	101860986	101863821	2834	+
## 8171	2	107986763	107988108	1344	+
## 8172	2	107997986	108001934	3947	+
## 8173	2	107986763	107992106	5342	+
## 8174	2	102758473	102762587	4113	+
## 8175	2	102737013	102757413	20399	+
## 8176	2	102757539	102758389	849	+
## 8177	2	101856138	101859643	3504	+
## 8178	2	101859864	101863827	3962	+
## 8179	2	113220178	113241551	21372	-
## 8180	2	113241726	113242008	281	-
## 8181	2	113242130	113242690	559	-
## 8182	2	113242778	113244427	1648	-
## 8183	2	113244624	113246754	2129	-
## 8184	2	113246919	113278370	31450	-
## 8185	2	113278469	113278831	361	-
## 8186	2	114462140	114463395	1254	+
## 8187	2	114463426	115309239	845812	+
## 8188	2	113236721	113241551	4829	-
## 8189	2	114463426	115343817	880390	+
## 8190	2	115064805	115309239	244433	+
## 8191	2	114462140	114707117	244976	+
## 8192	2	114707174	115309239	602064	+
## 8193	2	113227256	113241551	14294	-
## 8194	2	113235503	113236601	1097	-
## 8195	2	114442838	114707117	264278	+
## 8196	2	110091770	110115688	23917	-
## 8197	2	115753297	115768297	14999	+
## 8198	2	111124139	111153780	29640	+
## 8199	2	111123869	111164133	40263	+
## 8200	2	111123869	111130132	6262	+
## 8201	2	111130247	111150044	19796	+
## 8202	2	115836746	115842211	5464	+
## 8203	2	113236622	113250767	14144	+
## 8204	2	113250906	113255390	4483	+
## 8205	2	114462140	115309239	847098	+
## 8206	2	115309353	115499510	190156	+
## 8207	2	111150147	111151822	1674	+
## 8208	2	111151893	111153780	1886	+
## 8209	2	115689739	115689845	105	+

## 8210	2	110085757	110091603	5845	-
## 8211	2	110091770	110118017	26246	-
## 8212	2	121401672	121404371	2698	-
## 8213	2	121410969	121418622	7652	-
## 8214	2	121418729	121425139	6409	-
## 8215	2	121425306	121427404	2097	-
## 8216	2	121427430	121430073	2642	-
## 8217	2	121430177	121444939	14761	-
## 8218	2	121444962	121447337	2374	-
## 8219	2	124025732	124221705	195972	+
## 8220	2	124221809	124242200	20390	+
## 8221	2	124242393	124417443	175049	+
## 8222	2	124417590	124434484	16893	+
## 8223	2	124434687	124446753	12065	+
## 8224	2	124446937	124474739	27801	+
## 8225	2	124474882	124504292	29409	+
## 8226	2	124504556	124524303	19746	+
## 8227	2	124524452	124527285	2832	+
## 8228	2	124527456	124563217	35760	+
## 8229	2	124563323	124609801	46477	+
## 8230	2	124609920	124647758	37837	+
## 8231	2	124647958	124747229	99270	+
## 8232	2	124747385	124763672	16286	+
## 8233	2	124763799	124763977	177	+
## 8234	2	124764147	124772799	8651	+
## 8235	2	124773017	124789902	16884	+
## 8236	2	124790141	124798096	7954	+
## 8237	2	124798320	124865306	66985	+
## 8238	2	124865436	124869675	4238	+
## 8239	2	124869762	124902882	33119	+
## 8240	2	124903100	124911467	8366	+
## 8241	2	124911538	124914092	2553	+
## 8242	2	121377649	121382208	4558	-
## 8243	2	121382324	121387122	4797	-
## 8244	2	121401672	121404368	2695	-
## 8245	2	124474879	124504292	29412	+
## 8246	2	132673305	132725627	52321	-
## 8247	2	132725759	132728816	3056	-
## 8248	2	132728952	132731737	2784	-
## 8249	2	132732051	132773816	41764	-
## 8250	2	132773894	132790023	16128	-
## 8251	2	132790205	132796628	6422	-
## 8252	2	132796729	132860492	63762	-
## 8253	2	132860611	132868936	8324	-
## 8254	2	132868974	132878848	9873	-
## 8255	2	132878916	132963720	84803	-
## 8256	2	132963869	132994152	30282	-
## 8257	2	132994239	133129978	135738	-
## 8258	2	133130111	133213716	83604	-
## 8259	2	133213779	133303037	89257	-
## 8260	2	133303110	133517458	214347	-
## 8261	2	133517587	133559050	41462	-
## 8262	2	133559117	133568216	9098	-
## 8263	2	131082657	131092940	10282	-

## 8264	2	131082657	131093014	10356	-
## 8265	2	132773894	132781052	7157	-
## 8266	2	132781229	132781940	710	-
## 8267	2	132785718	132790023	4304	-
## 8268	2	135269141	135271301	2159	-
## 8269	2	135271395	135271768	372	-
## 8270	2	135504496	135530498	26001	-
## 8271	2	135224517	135227818	3300	-
## 8272	2	140233326	140234786	1459	-
## 8273	2	140234884	140238152	3267	-
## 8274	2	140238296	140239442	1145	-
## 8275	2	140239532	140247086	7553	-
## 8276	2	140247162	140270242	23079	-
## 8277	2	140270346	140274424	4077	-
## 8278	2	140274598	140297808	23209	-
## 8279	2	140297969	140314935	16965	-
## 8280	2	140315099	140321963	6863	-
## 8281	2	140322088	140323893	1804	-
## 8282	2	140324066	140325762	1695	-
## 8283	2	140325878	140334453	8574	-
## 8284	2	140334559	140335615	1055	-
## 8285	2	140335838	140350797	14958	-
## 8286	2	140351038	140352953	1914	-
## 8287	2	140353072	140356342	3269	-
## 8288	2	140356476	140357979	1502	-
## 8289	2	140358116	140358821	704	-
## 8290	2	140358946	140364661	5714	-
## 8291	2	140364783	140370710	5926	-
## 8292	2	140370842	140371179	336	-
## 8293	2	140371285	140373008	1722	-
## 8294	2	140373137	140378180	5042	-
## 8295	2	140378286	140385893	7606	-
## 8296	2	140386009	140442504	56494	-
## 8297	2	140442623	140444330	1706	-
## 8298	2	140444449	140444563	113	-
## 8299	2	140444679	140450568	5888	-
## 8300	2	140450661	140456455	5793	-
## 8301	2	140456603	140457463	859	-
## 8302	2	140457651	140475138	17486	-
## 8303	2	140475337	140485343	10005	-
## 8304	2	140485524	140487617	2092	-
## 8305	2	140487739	140492608	4868	-
## 8306	2	140492693	140495565	2871	-
## 8307	2	140495748	140501687	5938	-
## 8308	2	140501874	140502963	1088	-
## 8309	2	140503103	140506796	3692	-
## 8310	2	140506918	140509928	3009	-
## 8311	2	140510056	140514653	4596	-
## 8312	2	140514772	140516889	2116	-
## 8313	2	140517011	140525844	8832	-
## 8314	2	140525993	140526237	243	-
## 8315	2	140526350	140534021	7670	-
## 8316	2	140534140	140536581	2440	-
## 8317	2	140536709	140540973	4263	-

## 8318	2	140541098	140541779	680	-
## 8319	2	140541971	140598631	56659	-
## 8320	2	140598835	140601450	2614	-
## 8321	2	140601639	140700250	98610	-
## 8322	2	140700621	140701721	1099	-
## 8323	2	140701845	140702141	295	-
## 8324	2	140702292	140702427	134	-
## 8325	2	140702553	140715973	13419	-
## 8326	2	140716102	140716682	579	-
## 8327	2	140716816	140769213	52396	-
## 8328	2	140769344	140770881	1536	-
## 8329	2	140771006	140776098	5091	-
## 8330	2	140776238	140813657	37418	-
## 8331	2	140813806	140839991	26184	-
## 8332	2	140840085	140840918	832	-
## 8333	2	140841092	140850102	9009	-
## 8334	2	140850329	140851652	1322	-
## 8335	2	140851783	140867590	15806	-
## 8336	2	140867834	140868099	264	-
## 8337	2	140868263	140883817	15553	-
## 8338	2	140884021	140886138	2116	-
## 8339	2	140886335	140902920	16584	-
## 8340	2	140903165	140907877	4711	-
## 8341	2	140908077	140922965	14887	-
## 8342	2	140923147	140950235	27087	-
## 8343	2	140950402	140951860	1457	-
## 8344	2	140951940	140982160	30219	-
## 8345	2	140982276	140989532	7255	-
## 8346	2	140989657	140993995	4337	-
## 8347	2	140994135	141005335	11199	-
## 8348	2	141005457	141013556	8098	-
## 8349	2	141013745	141015696	1950	-
## 8350	2	141015915	141019922	4006	-
## 8351	2	141020102	141048986	28883	-
## 8352	2	141049222	141055116	5893	-
## 8353	2	141055259	141058883	3623	-
## 8354	2	141059054	141062051	2996	-
## 8355	2	141062273	141188421	126147	-
## 8356	2	141188583	141229183	40599	-
## 8357	2	141229440	141247226	17785	-
## 8358	2	141247354	141254522	7167	-
## 8359	2	141254641	141480396	225754	-
## 8360	2	141480533	141810279	329745	-
## 8361	2	141810401	142130648	320246	-
## 8362	2	136765687	136882144	116456	+
## 8363	2	136882317	137056420	174102	+
## 8364	2	137057230	137094873	37642	+
## 8365	2	137095121	137115124	20002	+
## 8366	2	137115293	137160213	44919	+
## 8367	2	137160368	137170741	10372	+
## 8368	2	137170938	137231044	60105	+
## 8369	2	137231235	137232899	1663	+
## 8370	2	137233133	137242457	9323	+
## 8371	2	137242572	137272533	29960	+

## 8372	2	137272662	137275923	3260	+
## 8373	2	137276026	137405613	129586	+
## 8374	2	137405807	137411609	5801	+
## 8375	2	137411872	137450845	38972	+
## 8376	2	137451023	137563221	112197	+
## 8377	2	137563354	137572406	9051	+
## 8378	2	137572556	137616175	43618	+
## 8379	2	137616316	137618392	2075	+
## 8380	2	137618507	137620609	2101	+
## 8381	2	137620726	137642488	21761	+
## 8382	2	137642633	137655501	12867	+
## 8383	2	137655660	137656796	1135	+
## 8384	2	137656969	137657065	95	+
## 8385	2	137657160	137659664	2503	+
## 8386	2	137659746	137663383	3636	+
## 8387	2	137663575	137667774	4198	+
## 8388	2	137667861	137676524	8662	+
## 8389	2	144668108	144768098	99989	+
## 8390	2	144768280	144903666	135385	+
## 8391	2	144903803	145070820	167016	+
## 8392	2	145070941	145072524	1582	+
## 8393	2	148929354	148937284	7929	+
## 8394	2	148941658	148941935	276	+
## 8395	2	148942760	148946899	4138	+
## 8396	2	148947023	148949839	2815	+
## 8397	2	148991198	148994421	3222	+
## 8398	2	148994538	148997264	2725	+
## 8399	2	148998509	149000423	1913	+
## 8400	2	149000782	149005393	4610	+
## 8401	2	149005464	149007963	2498	+
## 8402	2	149008067	149010135	2067	+
## 8403	2	149010351	149011570	1218	+
## 8404	2	147844706	147845074	367	+
## 8405	2	147844706	147896364	51657	+
## 8406	2	151839379	151853448	14068	-
## 8407	2	158178996	158220595	41598	-
## 8408	2	158220713	158250772	30058	-
## 8409	2	158250912	158309433	58520	-
## 8410	2	158309639	158313756	4116	-
## 8411	2	158313894	158338726	24831	-
## 8412	2	158338907	158338990	82	-
## 8413	2	158339085	158340242	1156	-
## 8414	2	158340393	158340598	204	-
## 8415	2	158340680	158345215	4534	-
## 8416	2	158345318	158358449	13130	-
## 8417	2	158358570	158456415	97844	-
## 8418	2	157259536	157266776	7239	+
## 8419	2	157266856	157284282	17425	+
## 8420	2	157300999	157305749	4749	+
## 8421	2	153872176	153900936	28759	+
## 8422	2	153901007	153944394	43386	+
## 8423	2	153944639	154140337	195697	+
## 8424	2	154140505	154242030	101524	+
## 8425	2	154242196	154242698	501	+

## 8426	2	154242905	154245812	2906	+
## 8427	2	154245982	154259021	13038	+
## 8428	2	154259138	154301409	42270	+
## 8429	2	154301589	154395991	94401	+
## 8430	2	154396130	154408984	12853	+
## 8431	2	154409082	154438592	29509	+
## 8432	2	154438726	154450411	11684	+
## 8433	2	153872303	153900936	28632	+
## 8434	2	154438726	154446598	7871	+
## 8435	2	154446765	154450411	3645	+
## 8436	2	154438726	154446568	7841	+
## 8437	2	153901007	153940283	39275	+
## 8438	2	153940492	153944394	3901	+
## 8439	2	153872603	153900936	28332	+
## 8440	2	156022817	156024485	1667	-
## 8441	2	156024576	156254778	230201	-
## 8442	2	156022817	156024466	1648	-
## 8443	2	156024607	156254778	230170	-
## 8444	2	153873419	153900936	27516	+
## 8445	2	153873600	153900936	27335	+
## 8446	2	153901007	153905689	4681	+
## 8447	2	153905724	153944394	38669	+
## 8448	2	154245982	154301409	55426	+
## 8449	2	154301589	154408984	107394	+
## 8450	2	158339085	158340598	1512	-
## 8451	2	158340680	158358449	17768	-
## 8452	2	165469740	165494759	25018	+
## 8453	2	165494928	165517873	22944	+
## 8454	2	165517961	165595043	77081	+
## 8455	2	165595213	165657761	62547	+
## 8456	2	165658020	165676312	18291	+
## 8457	2	165676608	165678701	2092	+
## 8458	2	162372095	162373470	1374	-
## 8459	2	162373662	162379853	6190	-
## 8460	2	162380021	162384688	4666	-
## 8461	2	162384939	162394389	9449	-
## 8462	2	162394485	162396740	2254	-
## 8463	2	162396945	162400189	3243	-
## 8464	2	162400441	162423336	22894	-
## 8465	2	162423535	162435198	11662	-
## 8466	2	162435597	162446018	10420	-
## 8467	2	162446443	162504443	57999	-
## 8468	2	162504657	162512654	7996	-
## 8469	2	162512674	162517730	5055	-
## 8470	2	162518158	162536925	18766	-
## 8471	2	162537080	162836537	299456	-
## 8472	2	162836767	162838443	1675	-
## 8473	2	165572587	165595043	22455	+
## 8474	2	162504657	162517730	13072	-
## 8475	2	172736048	172795025	58976	+
## 8476	2	172795167	172797525	2357	+
## 8477	2	172814425	172917802	103376	+
## 8478	2	172922300	172961122	38821	+
## 8479	2	173036212	173048600	12387	+

## 8480	2	175111654	175114690	3035	-
## 8481	2	175074867	175075000	132	-
## 8482	2	172814425	172960760	146334	+
## 8483	2	173033964	173048600	14635	+
## 8484	2	172928346	172961122	32775	+
## 8485	2	172860299	172917802	57502	+
## 8486	2	173017504	173020618	3113	+
## 8487	2	175074867	175080660	5792	-
## 8488	2	173018802	173020651	1848	+
## 8489	2	168802673	168811567	8893	+
## 8490	2	168811652	168828158	16505	+
## 8491	2	168828501	168831472	2970	+
## 8492	2	168831534	168834227	2692	+
## 8493	2	168834325	168842992	8666	+
## 8494	2	168843117	168851084	7966	+
## 8495	2	168851182	168851279	96	+
## 8496	2	168851404	168855352	3947	+
## 8497	2	168855460	168856690	1229	+
## 8498	2	168856778	168859512	2733	+
## 8499	2	168859637	168860795	1157	+
## 8500	2	168860909	168861960	1050	+
## 8501	2	168862049	168864834	2784	+
## 8502	2	168786636	168787861	1224	+
## 8503	2	168788048	168798155	10106	+
## 8504	2	168798222	168801066	2843	+
## 8505	2	168801203	168802381	1177	+
## 8506	2	168843117	168850836	7718	+
## 8507	2	168851006	168851084	77	+
## 8508	2	175130207	175147946	17738	-
## 8509	2	172736425	172795025	58599	+
## 8510	2	173030254	173048600	18345	+
## 8511	2	168802673	168824634	21960	+
## 8512	2	173036692	173036946	253	+
## 8513	2	173037077	173048600	11522	+
## 8514	2	173033964	173036628	2663	+
## 8515	2	182522386	182522665	278	-
## 8516	2	182147152	182185892	38739	-
## 8517	2	178194674	178284927	90252	+
## 8518	2	178339094	178339672	577	+
## 8519	2	178339764	178349224	9459	+
## 8520	2	178372233	178373890	1656	+
## 8521	2	178361815	178373890	12074	+
## 8522	2	178339764	178344286	4521	+
## 8523	2	178344360	178349224	4863	+
## 8524	2	182522386	182522638	251	-
## 8525	2	186600381	186602021	1639	+
## 8526	2	188734949	188789863	54913	-
## 8527	2	189784564	189785346	781	+
## 8528	2	189791941	189818017	26075	+
## 8529	2	189784770	189791790	7019	+
## 8530	2	186625587	186636082	10494	+
## 8531	2	203380384	203382189	1804	+
## 8532	2	203382206	203391046	8839	+
## 8533	2	203395780	203396785	1004	+

## 8534	2	203396967	203402576	5608	+
## 8535	2	203402734	203403317	582	+
## 8536	2	203403361	203416908	13546	+
## 8537	2	203403361	203411285	7923	+
## 8538	2	203402734	203407884	5149	+
## 8539	2	203408002	203416908	8905	+
## 8540	2	203328631	203351555	22923	+
## 8541	2	203351678	203366877	15198	+
## 8542	2	203402734	203416914	14179	+
## 8543	2	203367044	203375932	8887	+
## 8544	2	203328631	203380208	51576	+
## 8545	2	203367044	203391046	24001	+
## 8546	2	203402734	203416986	14251	+
## 8547	2	205245822	205301464	55641	+
## 8548	2	208656989	208819552	162562	+
## 8549	2	208819655	208824195	4539	+
## 8550	2	207624404	207624842	437	-
## 8551	2	203328631	203346365	17733	+
## 8552	2	203346476	203366877	20400	+
## 8553	2	205125737	205172211	46473	+
## 8554	2	203366996	203402576	35579	+
## 8555	2	203367130	203380208	13077	+
## 8556	2	203391143	203402576	11432	+
## 8557	2	203382206	203383243	1036	+
## 8558	2	203380384	203383247	2862	+
## 8559	2	203417081	203420804	3722	+
## 8560	2	203420908	203427177	6268	+
## 8561	2	203367130	203402576	35445	+
## 8562	2	203367044	203380212	13167	+
## 8563	2	203367044	203402576	35531	+
## 8564	2	205401123	205499896	98772	+
## 8565	2	214932741	214934078	1336	-
## 8566	2	214934215	214937510	3294	-
## 8567	2	214937615	214942925	5309	-
## 8568	2	214943017	214945001	1983	-
## 8569	2	214945104	214947422	2317	-
## 8570	2	214947556	214948596	1039	-
## 8571	2	214948737	214949040	302	-
## 8572	2	214949149	214950879	1729	-
## 8573	2	214951083	214953854	2770	-
## 8574	2	214954107	214955202	1094	-
## 8575	2	214955361	214956663	1301	-
## 8576	2	214956778	214958277	1498	-
## 8577	2	214958454	214959024	569	-
## 8578	2	214959078	214966848	7769	-
## 8579	2	214966953	214968720	1766	-
## 8580	2	214968807	214970273	1465	-
## 8581	2	214970400	214973949	3548	-
## 8582	2	214974042	214974778	735	-
## 8583	2	214974864	214975785	920	-
## 8584	2	214976037	214978316	2278	-
## 8585	2	214978466	214978804	337	-
## 8586	2	214979040	214980483	1442	-
## 8587	2	214980643	214982187	1543	-

## 8588	2	214982383	214983647	1263	-
## 8589	2	214983865	214986542	2676	-
## 8590	2	214986728	214987647	918	-
## 8591	2	214987793	214989329	1535	-
## 8592	2	214989463	214989552	88	-
## 8593	2	214989621	214990702	1080	-
## 8594	2	214991031	214997695	6663	-
## 8595	2	214997809	215000705	2895	-
## 8596	2	215001020	215001558	537	-
## 8597	2	215001737	215004209	2471	-
## 8598	2	215004299	215007727	3427	-
## 8599	2	215007846	215010331	2484	-
## 8600	2	215010470	215011439	968	-
## 8601	2	215011649	215011971	321	-
## 8602	2	215012135	215015490	3354	-
## 8603	2	215015663	215018008	2344	-
## 8604	2	215018132	215019336	1203	-
## 8605	2	215019448	215019540	91	-
## 8606	2	215019796	215025673	5876	-
## 8607	2	215025779	215026820	1040	-
## 8608	2	215026938	215031821	4882	-
## 8609	2	213297357	213317219	19861	+
## 8610	2	213375119	213489963	114843	+
## 8611	2	213490090	213862485	372394	+
## 8612	2	213862628	213929960	67331	+
## 8613	2	213930145	214013951	83805	+
## 8614	2	214014077	214108196	94118	+
## 8615	2	214108261	214149140	40878	+
## 8616	2	214149266	214410140	260873	+
## 8617	2	211384060	211386853	2792	-
## 8618	2	211387150	211420441	33290	-
## 8619	2	211420611	211422007	1395	-
## 8620	2	211422104	211424155	2050	-
## 8621	2	211424301	211428408	4106	-
## 8622	2	211428483	211430945	2461	-
## 8623	2	211431100	211561903	130802	-
## 8624	2	211562088	211619177	57088	-
## 8625	2	211619275	211623922	4646	-
## 8626	2	211624044	211630462	6417	-
## 8627	2	211630594	211657754	27159	-
## 8628	2	211657828	211665323	7494	-
## 8629	2	211665477	211673164	7686	-
## 8630	2	211673257	211679052	5794	-
## 8631	2	211679184	211701967	22782	-
## 8632	2	211702166	211704104	1937	-
## 8633	2	211704194	211705318	1123	-
## 8634	2	211705391	211712050	6658	-
## 8635	2	211712176	211713535	1358	-
## 8636	2	211713648	211722393	8744	-
## 8637	2	211722534	211725076	2541	-
## 8638	2	211725194	211750639	25444	-
## 8639	2	211750704	211788025	37320	-
## 8640	2	211788159	211947430	159270	-
## 8641	2	211947616	212124752	177135	-

## 8642	2	212124903	212538449	413545	-
## 8643	2	214997809	214999788	1978	-
## 8644	2	214999843	215000705	861	-
## 8645	2	215031896	215036953	5056	-
## 8646	2	215037065	215045837	8771	-
## 8647	2	215046015	215049626	3610	-
## 8648	2	215049811	215050794	982	-
## 8649	2	215050817	215052487	1669	-
## 8650	2	215052584	215054573	1988	-
## 8651	2	215054664	215064066	9401	-
## 8652	2	215064219	215111597	47377	-
## 8653	2	215111690	215138140	26449	-
## 8654	2	213284619	213285886	1266	+
## 8655	2	213285918	213296040	10121	+
## 8656	2	213296110	213297022	911	+
## 8657	2	211387150	211387945	794	-
## 8658	2	211387992	211420441	32448	-
## 8659	2	214834105	214947825	113719	+
## 8660	2	214947947	214961810	13862	+
## 8661	2	215049811	215052487	2675	-
## 8662	2	215996465	216033683	37217	-
## 8663	2	215996465	216033962	37496	-
## 8664	2	215947113	215961109	13995	-
## 8665	2	215961258	215996306	35047	-
## 8666	2	224380208	224400381	20172	-
## 8667	2	222201442	222220140	18697	-
## 8668	2	222220354	222221222	867	-
## 8669	2	222221387	222232078	10690	-
## 8670	2	222232283	222294167	61883	-
## 8671	2	222294301	222295528	1226	-
## 8672	2	222295657	222296978	1320	-
## 8673	2	222297213	222298531	1317	-
## 8674	2	222293757	222294167	409	-
## 8675	2	225583035	225626917	43881	+
## 8676	2	222201240	222201412	171	-
## 8677	2	222201442	222201944	501	-
## 8678	2	222202190	222220140	17949	-
## 8679	2	222295654	222296978	1323	-
## 8680	2	219158362	219160510	2147	-
## 8681	2	219078206	219095274	17067	-
## 8682	2	225651535	225698317	46781	+
## 8683	2	233775757	233779345	3587	+
## 8684	2	233779452	233779671	218	+
## 8685	2	233779852	233789497	9644	+
## 8686	2	233789628	233789852	223	+
## 8687	2	233790014	233792796	2781	+
## 8688	2	233792894	233793673	778	+
## 8689	2	233793824	233794363	538	+
## 8690	2	233794506	233795653	1146	+
## 8691	2	233795745	233795967	221	+
## 8692	2	233796045	233796200	154	+
## 8693	2	233796313	233798774	2460	+
## 8694	2	233798850	233799780	929	+
## 8695	2	233799899	233800205	305	+

## 8696	2	233800315	233802168	1852	+
## 8697	2	233802315	233803448	1132	+
## 8698	2	233803488	233804051	562	+
## 8699	2	233804192	233804495	302	+
## 8700	2	233804547	233805004	456	+
## 8701	2	233805111	233807423	2311	+
## 8702	2	233807542	233807733	190	+
## 8703	2	233807855	233809126	1270	+
## 8704	2	233809278	233810794	1515	+
## 8705	2	233810916	233811880	963	+
## 8706	2	233811959	233813670	1710	+
## 8707	2	233813778	233814582	803	+
## 8708	2	233814677	233816781	2103	+
## 8709	2	233816885	233818002	1116	+
## 8710	2	233818125	233818652	526	+
## 8711	2	233818770	233819317	546	+
## 8712	2	233819469	233819902	432	+
## 8713	2	233820056	233822124	2067	+
## 8714	2	233822283	233822363	79	+
## 8715	2	233822556	233822881	324	+
## 8716	2	233823018	233823556	537	+
## 8717	2	233823670	233828630	4959	+
## 8718	2	233828779	233828890	110	+
## 8719	2	233829072	233829620	547	+
## 8720	2	233829775	233831409	1633	+
## 8721	2	233831540	233832177	636	+
## 8722	2	233832279	233832579	299	+
## 8723	2	233832644	233833138	493	+
## 8724	2	232761436	232776412	14975	+
## 8725	2	228483498	228488683	5184	-
## 8726	2	228488793	228506327	17533	-
## 8727	2	228506509	228611252	104742	-
## 8728	2	229358651	229366873	8221	-
## 8729	2	229367119	229388265	21145	-
## 8730	2	229388396	229407232	18835	-
## 8731	2	229407345	229418108	10762	-
## 8732	2	229418230	229447316	29085	-
## 8733	2	229447540	229477140	29599	-
## 8734	2	229477253	229512783	35529	-
## 8735	2	229512936	229546947	34010	-
## 8736	2	229547092	229585858	38765	-
## 8737	2	229586024	229588394	2369	-
## 8738	2	229588488	229591580	3091	-
## 8739	2	229591888	229714148	122259	-
## 8740	2	241149708	241153476	3767	+
## 8741	2	237973747	237987963	14215	+
## 8742	2	237994809	238030556	35746	+
## 8743	2	238035940	238057158	21217	+
## 8744	2	238057250	238064357	7106	+
## 8745	2	239352918	239400377	47458	-
## 8746	2	237967132	237987963	20830	+
## 8747	2	780591	806029	25437	-
## 8748	2	806249	853979	47729	-
## 8749	2	854215	868118	13902	-

## 8750	2	806249	868118	61868	-
## 8751	2	242176	243503	1326	-
## 8752	2	253115	262631	9515	-
## 8753	2	262786	264782	1995	-
## 8754	2	261130	262201	1070	-
## 8755	2	262786	264703	1916	-
## 8756	2	234272	243503	9230	-
## 8757	2	219001	224868	5866	-
## 8758	2	1413545	1414408	862	+
## 8759	2	1414502	1423045	8542	+
## 8760	2	1423129	1433438	10308	+
## 8761	2	1433607	1436252	2644	+
## 8762	2	1436384	1453694	17309	+
## 8763	2	1453823	1456076	2252	+
## 8764	2	1456282	1477086	20803	+
## 8765	2	1477604	1484596	6991	+
## 8766	2	1484854	1493802	8947	+
## 8767	2	1494039	1495989	1949	+
## 8768	2	1496197	1496595	397	+
## 8769	2	1496765	1503948	7182	+
## 8770	2	1484854	1487821	2966	+
## 8771	2	1487991	1493802	5810	+
## 8772	2	1496765	1516883	20117	+
## 8773	2	1413550	1414408	857	+
## 8774	2	1456282	1484596	28313	+
## 8775	2	2896680	2897188	507	-
## 8776	2	2897304	2965814	68509	-
## 8777	2	2965871	2966578	706	-
## 8778	2	2966675	3125295	158619	-
## 8779	2	3125438	3125562	123	-
## 8780	2	3125655	3125827	171	-
## 8781	2	3706978	3708549	1570	+
## 8782	2	3708600	3727003	18402	+
## 8783	2	3727079	3752763	25683	+
## 8784	2	3752900	3754592	1691	+
## 8785	2	3754634	3767754	13119	+
## 8786	2	3767880	3769311	1430	+
## 8787	2	3769411	3778816	9404	+
## 8788	2	3778884	3785059	6174	+
## 8789	2	3785100	3847154	62053	+
## 8790	2	3704038	3708549	4510	+
## 8791	2	3727079	3741920	14840	+
## 8792	2	3742048	3752763	10714	+
## 8793	2	3658294	3671096	12801	+
## 8794	2	3671190	3674075	2884	+
## 8795	2	3674125	3678468	4342	+
## 8796	2	3678555	3679869	1313	+
## 8797	2	3679994	3681634	1639	+
## 8798	2	3681713	3682942	1228	+
## 8799	2	3683074	3695717	12642	+
## 8800	2	3695872	3696275	402	+
## 8801	2	3696348	3697348	999	+
## 8802	2	3697456	3701512	4055	+
## 8803	2	3701636	3702363	726	+

## 8804	2	3536911	3545701	8789	-
## 8805	2	5634316	5635416	1099	-
## 8806	2	5635610	5649839	14228	-
## 8807	2	5649911	5684426	34514	-
## 8808	2	5684539	5690975	6435	-
## 8809	2	7030215	7073162	42946	+
## 8810	2	7073406	7075073	1666	+
## 8811	2	6933206	6940948	7741	+
## 8812	2	6933230	6940948	7717	+
## 8813	2	6941147	6951318	10170	+
## 8814	2	6951369	6953145	1775	+
## 8815	2	7030215	7068216	38000	+
## 8816	2	7068278	7075073	6794	+
## 8817	2	6918854	6940948	22093	+
## 8818	2	8008759	8060348	51588	-
## 8819	2	8060405	8287338	226932	-
## 8820	2	8296943	8299676	2732	-
## 8821	2	8299793	8324542	24748	-
## 8822	2	8324684	8328234	3549	-
## 8823	2	8208040	8243565	35524	-
## 8824	2	8243641	8287338	43696	-
## 8825	2	8299793	8312726	12932	-
## 8826	2	8736999	8750112	13112	-
## 8827	2	8818793	8825743	6949	-
## 8828	2	8825913	8826986	1072	-
## 8829	2	8958642	8974359	15716	-
## 8830	2	8974435	9003540	29104	-
## 8831	2	8736999	8747145	10145	-
## 8832	2	8747201	8747887	685	-
## 8833	2	8757787	8770670	12882	-
## 8834	2	8725667	8726887	1219	-
## 8835	2	8726943	8733444	6500	-
## 8836	2	8723412	8726887	3474	-
## 8837	2	8726943	8727189	245	-
## 8838	2	8727267	8733444	6176	-
## 8839	2	10330210	10396835	66624	+
## 8840	2	9951853	9954915	3061	+
## 8841	2	9961436	9962455	1018	+
## 8842	2	9962531	9963886	1354	+
## 8843	2	9992146	9993207	1060	+
## 8844	2	9993244	9995879	2634	+
## 8845	2	10303942	10396835	92892	+
## 8846	2	11133591	11140510	6918	+
## 8847	2	11140549	11143920	3370	+
## 8848	2	11144142	11146537	2394	+
## 8849	2	10775071	10777585	2513	+
## 8850	2	10777722	10778572	849	+
## 8851	2	11144142	11145005	862	+
## 8852	2	10878444	10884834	6389	+
## 8853	2	10673557	10681971	8413	-
## 8854	2	11748740	11763023	14282	+
## 8855	2	11658722	11660043	1320	-
## 8856	2	11660133	11661967	1833	-
## 8857	2	11662240	11669506	7265	-

## 8858	2	12007227	12007747	519	+
## 8859	2	12007843	12083449	75605	+
## 8860	2	12007843	12106818	98974	+
## 8861	2	12106951	12131306	24354	+
## 8862	2	12007843	12166738	158894	+
## 8863	2	12166855	12308688	141832	+
## 8864	2	12308784	12558206	249421	+
## 8865	2	12558444	12576817	18372	+
## 8866	2	11788456	11791708	3251	+
## 8867	2	11791785	11791914	128	+
## 8868	2	11819750	11820411	660	+
## 8869	2	11677728	11765533	87804	+
## 8870	2	11677728	11713756	36027	+
## 8871	2	11724539	11741349	16809	+
## 8872	2	11741428	11765533	24104	+
## 8873	2	12968033	12981037	13003	-
## 8874	2	12981118	13001588	20469	-
## 8875	2	13001741	13002424	682	-
## 8876	2	13002608	13003824	1215	-
## 8877	2	13003951	13006871	2919	-
## 8878	2	14232064	14235890	3825	-
## 8879	2	14235950	14316969	81018	-
## 8880	2	14317103	14400843	83739	-
## 8881	2	17540918	17592070	51151	+
## 8882	2	17592236	17649410	57173	+
## 8883	2	17540918	17592074	51155	+
## 8884	2	17592236	17655197	62960	+
## 8885	2	17649625	17649781	155	+
## 8886	2	17650010	17655197	5186	+
## 8887	2	17540182	17592070	51887	+
## 8888	2	18987868	18995319	7450	-
## 8889	2	18995364	19022334	26969	-
## 8890	2	19022487	19026641	4153	-
## 8891	2	20774979	20801292	26312	-
## 8892	2	20327378	20352166	24787	-
## 8893	2	20312423	20327310	14886	-
## 8894	2	20774979	20823037	48057	-
## 8895	2	23385780	23475560	89779	+
## 8896	2	23475667	23562152	86484	+
## 8897	2	23562481	23639139	76657	+
## 8898	2	23639280	23642338	3057	+
## 8899	2	23642850	23684399	41548	+
## 8900	2	23684537	23691674	7136	+
## 8901	2	23691876	23693269	1392	+
## 8902	2	23693528	23695623	2094	+
## 8903	2	23695821	23695951	129	+
## 8904	2	23696133	23696333	199	+
## 8905	2	23696513	23703186	6672	+
## 8906	2	23703379	23703719	339	+
## 8907	2	23703863	23706481	2617	+
## 8908	2	24822630	24824378	1747	-
## 8909	2	24824536	24830709	6172	-
## 8910	2	24492188	24563904	71715	+
## 8911	2	24564013	24564295	281	+

## 8912	2	24826129	24827546	1416	-
## 8913	2	25001545	25035273	33727	+
## 8914	2	24491602	24564295	72692	+
## 8915	2	24919184	24919474	289	-
## 8916	2	24491602	24584476	92873	+
## 8917	2	25806337	25830811	24473	-
## 8918	2	25385210	25386027	816	-
## 8919	2	25386112	25387289	1176	-
## 8920	2	25379323	25388202	8878	-
## 8921	2	25387151	25387289	137	-
## 8922	2	25580826	25628171	47344	-
## 8923	2	25639094	25650022	10927	-
## 8924	2	25806340	25845481	39140	-
## 8925	2	25455494	25479866	24371	-
## 8926	2	25481233	25482796	1562	-
## 8927	2	25379323	25419515	40191	-
## 8928	2	25383889	25388202	4312	-
## 8929	2	25383889	25386027	2137	-
## 8930	2	26314519	26314624	104	-
## 8931	2	26314806	26315522	715	-
## 8932	2	26315767	26316275	507	-
## 8933	2	26316448	26316912	463	-
## 8934	2	26317562	26345711	28148	-
## 8935	2	26477749	26479264	1514	-
## 8936	2	26479384	26479473	88	-
## 8937	2	26479653	26480203	549	-
## 8938	2	26480311	26480786	474	-
## 8939	2	26481009	26482406	1396	-
## 8940	2	26482592	26483462	869	-
## 8941	2	26483648	26484474	825	-
## 8942	2	26484633	26489211	4577	-
## 8943	2	26489295	26489678	382	-
## 8944	2	26489740	26494942	5201	-
## 8945	2	26495073	26501754	6680	-
## 8946	2	26501808	26502300	491	-
## 8947	2	26502426	26503772	1345	-
## 8948	2	26503845	26516418	12572	-
## 8949	2	26516599	26519010	2410	-
## 8950	2	26519109	26527832	8722	-
## 8951	2	26527920	26537716	9795	-
## 8952	2	26537774	26558493	20718	-
## 8953	2	26314623	26315522	898	-
## 8954	2	26315740	26316275	534	-
## 8955	2	26317562	26346121	28558	-
## 8956	2	26848359	26898496	50136	+
## 8957	2	26898760	26924887	26126	+
## 8958	2	26925045	26927253	2207	+
## 8959	2	26927432	26928255	822	+
## 8960	2	26928323	26931640	3316	+
## 8961	2	26931684	26933258	1573	+
## 8962	2	26933333	26934578	1244	+
## 8963	2	26934734	26940031	5296	+
## 8964	2	26940172	26941950	1777	+
## 8965	2	26942092	26942543	450	+

## 8966	2	26942750	26944656	1905	+
## 8967	2	26944824	26946910	2085	+
## 8968	2	27133654	27134287	632	-
## 8969	2	26308679	26308966	286	-
## 8970	2	26314623	26316912	2288	-
## 8971	2	26458220	26460008	1787	-
## 8972	2	26460205	26460647	441	-
## 8973	2	26477749	26477844	94	-
## 8974	2	26848497	26898496	49998	+
## 8975	2	26984965	26986513	1547	-
## 8976	2	26986556	26986661	104	-
## 8977	2	26986770	26995476	8705	-
## 8978	2	26995554	26996872	1317	-
## 8979	2	26996920	27014501	17580	-
## 8980	2	26581393	26582825	1431	-
## 8981	2	26582913	26583789	875	-
## 8982	2	26583898	26595176	11277	-
## 8983	2	26595317	26629410	34092	-
## 8984	2	26629506	26640533	11026	-
## 8985	2	26640567	26641261	693	-
## 8986	2	26848254	26898496	50241	+
## 8987	2	28150240	28151176	935	-
## 8988	2	28151269	28206484	55214	-
## 8989	2	27661443	27662179	735	-
## 8990	2	27858571	27869772	11200	-
## 8991	2	27870890	27890257	19366	-
## 8992	2	29097947	29121374	23426	+
## 8993	2	28810947	28814613	3665	+
## 8994	2	28814686	28815997	1310	+
## 8995	2	28816249	28819048	2798	+
## 8996	2	28819106	28822325	3218	+
## 8997	2	28822410	28829148	6737	+
## 8998	2	28829319	28840172	10852	+
## 8999	2	28840469	28849850	9380	+
## 9000	2	28579707	28582405	2697	+
## 9001	2	28532194	28538286	6091	+
## 9002	2	28810947	28815997	5049	+
## 9003	2	31176642	31177026	383	-
## 9004	2	31177142	31177746	603	-
## 9005	2	31189478	31191399	1920	-
## 9006	2	31191407	31191935	527	-
## 9007	2	31201998	31202134	135	-
## 9008	2	31205499	31217456	11956	-
## 9009	2	30993007	31114743	121735	-
## 9010	2	31125253	31129277	4023	-
## 9011	2	30447404	30459552	12147	+
## 9012	2	30447404	30533116	85711	+
## 9013	2	30459722	30476402	16679	+
## 9014	2	30476635	30525587	48951	+
## 9015	2	31200625	31202134	1508	-
## 9016	2	31226651	31233791	7139	-
## 9017	2	30993007	31078934	85926	-
## 9018	2	31079066	31137958	58891	-
## 9019	2	30966302	31114743	148440	-

## 9020	2	30723236	30730730	7493	-
## 9021	2	30730786	30731344	557	-
## 9022	2	30731399	30732438	1038	-
## 9023	2	30732566	30734449	1882	-
## 9024	2	30734524	30736503	1978	-
## 9025	2	30736571	30738235	1663	-
## 9026	2	30738293	30738400	106	-
## 9027	2	30738457	30741908	3450	-
## 9028	2	30741964	30742326	361	-
## 9029	2	30742359	30743383	1023	-
## 9030	2	30743582	30745251	1668	-
## 9031	2	30745258	30751102	5843	-
## 9032	2	30753198	30754290	1091	-
## 9033	2	30754364	30758046	3681	-
## 9034	2	30758137	30763082	4944	-
## 9035	2	30763156	30764132	975	-
## 9036	2	30764306	30770313	6006	-
## 9037	2	30770449	30775930	5480	-
## 9038	2	30776045	30777567	1521	-
## 9039	2	30777639	30787128	9488	-
## 9040	2	30787357	30807302	19944	-
## 9041	2	31943383	32010187	66803	-
## 9042	2	32010264	32010710	445	-
## 9043	2	32241125	32252419	11293	-
## 9044	2	32010264	32010813	548	-
## 9045	2	32010264	32010994	729	-
## 9046	2	31950717	31956447	5729	-
## 9047	2	31956598	32010187	53588	-
## 9048	2	31892134	31943302	51167	-
## 9049	2	31932134	31943302	11167	-
## 9050	2	31868492	31891992	23499	-
## 9051	2	31932127	31943302	11174	-
## 9052	2	31943383	31968049	24665	-
## 9053	2	31968087	32010187	42099	-
## 9054	2	32825510	32841013	15502	+
## 9055	2	32841233	32898540	57306	+
## 9056	2	32898642	32902063	3420	+
## 9057	2	32902123	32925353	23229	+
## 9058	2	32926689	32928939	2249	+
## 9059	2	32825510	32836574	11063	+
## 9060	2	32836734	32837311	576	+
## 9061	2	32837405	32840770	3364	+
## 9062	2	32840929	32841013	83	+
## 9063	2	32841233	32882699	41465	+
## 9064	2	32882826	32882927	100	+
## 9065	2	32883050	32896925	13874	+
## 9066	2	32896979	32898540	1560	+
## 9067	2	32902123	32937028	34904	+
## 9068	2	33706953	33855688	148734	+
## 9069	2	33855753	33926840	71086	+
## 9070	2	33926968	33944428	17459	+
## 9071	2	33944553	34286643	342089	+
## 9072	2	34286746	34297468	10721	+
## 9073	2	37084570	37085324	753	+

## 9074	2	37085392	37088369	2976	+
## 9075	2	37084586	37088369	3782	+
## 9076	2	37092036	37092141	104	+
## 9077	2	37090726	37091923	1196	+
## 9078	2	37089863	37090681	817	+
## 9079	2	37094195	37094652	456	+
## 9080	2	37094760	37095437	676	+
## 9081	2	37092255	37094091	1835	+
## 9082	2	37950595	37974040	23444	+
## 9083	2	37928936	37929262	325	+
## 9084	2	38004216	38066982	62765	+
## 9085	2	37950537	37963092	12554	-
## 9086	2	37963155	38029855	66699	-
## 9087	2	38029920	38036150	6229	-
## 9088	2	38131614	38180289	48674	+
## 9089	2	37925706	37929262	3555	+
## 9090	2	37950595	37951233	637	+
## 9091	2	37952201	37974040	21838	+
## 9092	2	39168707	39179187	10479	-
## 9093	2	39190502	39196952	6449	-
## 9094	2	39197060	39204527	7466	-
## 9095	2	39225960	39229365	3404	-
## 9096	2	39229588	39243871	14282	-
## 9097	2	39178759	39179187	427	-
## 9098	2	39190502	39204527	14024	-
## 9099	2	39665640	39704081	38440	+
## 9100	2	38889986	38895777	5790	+
## 9101	2	38895849	38919363	23513	+
## 9102	2	38919472	38921374	1901	+
## 9103	2	38921423	38928907	7483	+
## 9104	2	38929071	38929709	637	+
## 9105	2	38929830	38931109	1278	+
## 9106	2	38931251	38935775	4523	+
## 9107	2	38935834	38937335	1500	+
## 9108	2	38937559	38943901	6341	+
## 9109	2	38944030	38950989	6958	+
## 9110	2	38951121	38953162	2040	+
## 9111	2	38953245	38954373	1127	+
## 9112	2	38954456	38956899	2442	+
## 9113	2	38957047	38958034	986	+
## 9114	2	38958198	38959841	1642	+
## 9115	2	38960648	38966006	5357	+
## 9116	2	38966145	38971870	5724	+
## 9117	2	38971944	38973010	1065	+
## 9118	2	39067753	39124664	56910	-
## 9119	2	38966145	38973714	7568	+
## 9120	2	40174842	40175261	418	-
## 9121	2	40175281	40177752	2470	-
## 9122	2	40175281	40178387	3105	-
## 9123	2	40170349	40174825	4475	-
## 9124	2	40430304	40512349	82044	-
## 9125	2	40174842	40178387	3544	-
## 9126	2	40170349	40174706	4356	-
## 9127	2	40174720	40174825	104	-

## 9128	2	40430301	40451460	21158	-
## 9129	2	39917659	39922849	5189	+
## 9130	2	39922889	40104909	182019	+
## 9131	2	42568226	42570437	2210	+
## 9132	2	42659862	42695765	35902	+
## 9133	2	42444579	42492870	48290	-
## 9134	2	42495006	42495163	156	+
## 9135	2	42495254	42570437	75182	+
## 9136	2	42444579	42492837	48257	-
## 9137	2	43428231	43498833	70601	-
## 9138	2	43577234	43578513	1278	-
## 9139	2	43551922	43552204	281	-
## 9140	2	43805246	43810381	5134	+
## 9141	2	43810524	43827386	16861	+
## 9142	2	43320540	43397971	77430	-
## 9143	2	43637379	43644671	7291	+
## 9144	2	43644796	43678863	34066	+
## 9145	2	43678925	43692514	13588	+
## 9146	2	43692663	43694431	1767	+
## 9147	2	43694514	43695143	628	+
## 9148	2	43695224	43697171	1946	+
## 9149	2	43697356	43699647	2290	+
## 9150	2	43700608	43703981	3372	+
## 9151	2	43704056	43706322	2265	+
## 9152	2	43706416	43707401	984	+
## 9153	2	43707545	43709990	2444	+
## 9154	2	43710126	43710220	93	+
## 9155	2	43710330	43710489	158	+
## 9156	2	43710575	43712225	1649	+
## 9157	2	43712383	43720669	8285	+
## 9158	2	43720749	43726272	5522	+
## 9159	2	43726451	43729637	3185	+
## 9160	2	43729745	43731490	1744	+
## 9161	2	43731602	43738341	6738	+
## 9162	2	43738520	43740946	2425	+
## 9163	2	43741043	43742741	1697	+
## 9164	2	43742918	43743834	915	+
## 9165	2	43743989	43745866	1876	+
## 9166	2	43745963	43753619	7655	+
## 9167	2	43753760	43757119	3358	+
## 9168	2	43757264	43758900	1635	+
## 9169	2	43759029	43762304	3274	+
## 9170	2	43762390	43764228	1837	+
## 9171	2	43764365	43765413	1047	+
## 9172	2	44169274	44209210	39935	+
## 9173	2	44218537	44229993	11455	+
## 9174	2	44275965	44280716	4750	+
## 9175	2	44280895	44281387	491	+
## 9176	2	44281541	44286032	4490	+
## 9177	2	44286157	44299971	13813	+
## 9178	2	44300090	44301003	912	+
## 9179	2	44301127	44304143	3015	+
## 9180	2	44304338	44312586	8247	+
## 9181	2	44312753	44313835	1081	+

## 9182	2	44313951	44320199	6247	+
## 9183	2	45174587	45175115	527	-
## 9184	2	45175213	45189121	13907	-
## 9185	2	45189249	45190883	1633	-
## 9186	2	45191084	45192140	1055	-
## 9187	2	45192285	45254667	62381	-
## 9188	2	46907969	46941572	33602	-
## 9189	2	46536703	46541318	4614	-
## 9190	2	47403175	47403360	184	+
## 9191	2	47192817	47199437	6619	-
## 9192	2	47199543	47332273	132729	-
## 9193	2	47333026	47344901	11874	-
## 9194	2	47215259	47220809	5549	-
## 9195	2	47221323	47344901	123577	-
## 9196	2	47839769	47888626	48856	-
## 9197	2	47839769	47905093	65323	-
## 9198	2	48314967	48346201	31233	+
## 9199	2	48617895	48620851	2955	+
## 9200	2	48620952	48621167	214	+
## 9201	2	48645117	48646453	1335	+
## 9202	2	48647042	48669722	22679	+
## 9203	2	48669982	48671591	1608	+
## 9204	2	48671680	48679335	7654	+
## 9205	2	48362691	48373292	10600	+
## 9206	2	48591855	48620851	28995	+
## 9207	2	48621290	48646453	25162	+
## 9208	2	48529988	48580587	50598	+
## 9209	2	48671680	48776280	104599	+
## 9210	2	48315978	48346201	30222	+
## 9211	2	48315089	48328561	13471	+
## 9212	2	48315089	48346201	31111	+
## 9213	2	48963966	48968698	4731	-
## 9214	2	48968883	48982912	14028	-
## 9215	2	48982986	48983098	111	-
## 9216	2	48983166	48988977	5810	-
## 9217	2	48989054	48990566	1511	-
## 9218	2	48990637	49017489	26851	-
## 9219	2	49017563	49020086	2522	-
## 9220	2	49020160	49068219	48058	-
## 9221	2	49068290	49154266	85975	-
## 9222	2	48314501	48346201	31699	+
## 9223	2	48617895	48621167	3271	+
## 9224	2	48983166	48990566	7399	-
## 9225	2	49943791	49973968	30176	-
## 9226	2	50919270	50920429	1158	-
## 9227	2	50920435	50922655	2219	-
## 9228	2	50920008	50920429	420	-
## 9229	2	54138748	54141883	3134	+
## 9230	2	54123410	54135453	12042	+
## 9231	2	53750941	53786285	35343	-
## 9232	2	53765585	53859828	94242	-
## 9233	2	53973810	54057239	83428	+
## 9234	2	55181744	55222235	40490	-
## 9235	2	55212806	55232236	19429	-

## 9236	2	55209831	55217811	7979	-
## 9237	2	55218600	55232223	13622	-
## 9238	2	55218600	55229330	10729	-
## 9239	2	55229472	55232236	2763	-
## 9240	2	55027485	55028164	678	-
## 9241	2	55028220	55050717	22496	-
## 9242	2	55028220	55080489	52268	-
## 9243	2	55080639	55137434	56794	-
## 9244	2	55206376	55208626	2249	-
## 9245	2	55218600	55232236	13635	-
## 9246	2	55206376	55212673	6296	-
## 9247	2	55217998	55222235	4236	-
## 9248	2	55228204	55232223	4018	-
## 9249	2	55217998	55232492	14493	-
## 9250	2	55181744	55232236	50491	-
## 9251	2	55218600	55228032	9431	-
## 9252	2	54725258	54813232	87973	+
## 9253	2	54813391	54816787	3395	+
## 9254	2	54816885	54820394	3508	+
## 9255	2	54820462	54827566	7103	+
## 9256	2	54827751	54829342	1590	+
## 9257	2	54829477	54844047	14569	+
## 9258	2	54844248	54847486	3237	+
## 9259	2	54847623	54849962	2338	+
## 9260	2	54850218	54853643	3424	+
## 9261	2	54853855	54859534	5678	+
## 9262	2	54859701	54863783	4081	+
## 9263	2	54863889	54866766	2876	+
## 9264	2	54866884	54869181	2296	+
## 9265	2	54869367	54871500	2132	+
## 9266	2	54879640	54891054	11413	+
## 9267	2	54891154	54892454	1299	+
## 9268	2	54895400	54899641	4240	+
## 9269	2	54899782	54903044	3261	+
## 9270	2	54911042	54916759	5716	+
## 9271	2	54916935	54928313	11377	+
## 9272	2	54928751	54948882	20130	+
## 9273	2	54948960	54950650	1689	+
## 9274	2	54950779	54952594	1814	+
## 9275	2	54954156	54957790	3633	+
## 9276	2	54957998	54959104	1105	+
## 9277	2	54959261	54960220	958	+
## 9278	2	54964733	54967000	2266	+
## 9279	2	54968768	54970071	1302	+
## 9280	2	55177781	55232236	54454	-
## 9281	2	56193440	56384266	190825	+
## 9282	2	55963882	56013609	49726	-
## 9283	2	56013711	56047222	33510	-
## 9284	2	56342955	56372344	29388	+
## 9285	2	56372478	56375816	3337	+
## 9286	2	56375935	56384266	8330	+
## 9287	2	56342955	56375816	32860	+
## 9288	2	56375935	56379750	3814	+
## 9289	2	56379848	56384266	4417	+

## 9290	2	57907839	58025665	117825	+
## 9291	2	58025770	58033227	7456	+
## 9292	2	58033553	58048827	15273	+
## 9293	2	58025770	58026744	973	+
## 9294	2	58026861	58033227	6365	+
## 9295	2	58046733	58048827	2093	+
## 9296	2	58046821	58048881	2059	+
## 9297	2	59217774	59255163	37388	+
## 9298	2	59255262	59277532	22269	+
## 9299	2	61066458	61068849	2390	+
## 9300	2	61134276	61137464	3187	+
## 9301	2	61011905	61017237	5331	-
## 9302	2	60965103	60967502	2398	-
## 9303	2	61888835	62000701	111865	+
## 9304	2	61888842	62000701	111858	+
## 9305	2	61888584	62000701	112116	+
## 9306	2	63174832	63259311	84478	-
## 9307	2	63437554	63437862	307	-
## 9308	2	63045443	63046037	593	-
## 9309	2	63046141	63046482	340	-
## 9310	2	63046647	63047436	788	-
## 9311	2	63046650	63048389	1738	-
## 9312	2	64486430	64488735	2304	+
## 9313	2	64488842	64500519	11676	+
## 9314	2	66574165	66665721	91555	+
## 9315	2	66665817	66675201	9383	+
## 9316	2	66675230	66675758	527	+
## 9317	2	66675821	66691672	15850	+
## 9318	2	66691723	66695203	3479	+
## 9319	2	67213495	67229399	15903	+
## 9320	2	67229495	67243279	13783	+
## 9321	2	67243361	67244312	950	+
## 9322	2	69124643	69145326	20682	+
## 9323	2	68735539	68775221	39681	+
## 9324	2	69170289	69172367	2077	+
## 9325	2	69475963	69476880	916	-
## 9326	2	69963500	69964231	730	-
## 9327	2	69964427	69988742	24314	-
## 9328	2	69996888	70032133	35244	-
## 9329	2	70059680	70081370	21689	-
## 9330	2	69720871	69781520	60648	+
## 9331	2	69476984	69480860	3875	-
## 9332	2	69461705	69509251	47545	-
## 9333	2	70514912	70553184	38271	-
## 9334	2	70777382	70777637	254	-
## 9335	2	70777671	70785415	7743	-
## 9336	2	70785639	70787649	2009	-
## 9337	2	70787801	70790408	2606	-
## 9338	2	70900868	70921098	20229	+
## 9339	2	70921285	70932767	11481	+
## 9340	2	72945099	72956980	11880	-
## 9341	2	73058596	73059094	497	-
## 9342	2	73058596	73059008	411	-
## 9343	2	72961248	72988258	27009	-

## 9344	2	72945099	72998949	53849	-
## 9345	2	72945099	72988258	43158	-
## 9346	2	72968533	72988258	19724	-
## 9347	2	72961248	72971570	10321	-
## 9348	2	73040931	73071604	30672	-
## 9349	2	73040929	73058528	17598	-
## 9350	2	73784406	73813477	29070	+
## 9351	2	73814226	73815071	844	+
## 9352	2	73645154	73671080	25925	+
## 9353	2	73674905	73684961	10055	+
## 9354	2	74002801	74003110	308	+
## 9355	2	74342534	74343356	821	-
## 9356	2	74576618	74581674	5055	-
## 9357	2	74581847	74607055	25207	-
## 9358	2	74607223	74614964	7740	-
## 9359	2	74615149	74640036	24886	-
## 9360	2	74640327	74647973	7645	-
## 9361	2	74640327	74648265	7937	-
## 9362	2	75051447	75053605	2157	-
## 9363	2	75053755	75120574	66818	-
## 9364	2	75120768	75198546	77777	-
## 9365	2	75049723	75051251	1527	-
## 9366	2	76748916	77518318	769401	-
## 9367	2	77519864	77521668	1803	-
## 9368	2	77521748	77522109	360	-
## 9369	2	76748916	77522109	773192	-
## 9370	2	77521818	77522109	290	-
## 9371	2	77519864	77522109	2244	-
## 9372	2	77743822	77839769	95946	-
## 9373	2	77839890	77874980	35089	-
## 9374	2	77875062	78290388	415325	-
## 9375	2	78088791	78093517	4725	+
## 9376	2	78093666	78094637	970	+
## 9377	2	78094776	78107040	12263	+
## 9378	2	78107251	78111900	4648	+
## 9379	2	78112130	78127499	15368	+
## 9380	2	80305323	80393211	87887	+
## 9381	2	80313654	80393211	79556	+
## 9382	2	84516583	84517819	1235	+
## 9383	2	84518051	84525565	7513	+
## 9384	2	84525738	84528904	3165	+
## 9385	2	84529166	84544233	15066	+
## 9386	2	84544500	84547268	2767	+
## 9387	2	84547402	84547492	89	+
## 9388	2	84547612	84548288	675	+
## 9389	2	84548417	84549889	1471	+
## 9390	2	84550057	84552918	2860	+
## 9391	2	84553034	84557735	4700	+
## 9392	2	84557935	84573467	15531	+
## 9393	2	84573587	84577257	3669	+
## 9394	2	84577408	84579527	2118	+
## 9395	2	84584250	84588826	4575	+
## 9396	2	84588954	84593972	5017	+
## 9397	2	84594085	84595646	1560	+

## 9398	2	84595789	84604339	8549	+
## 9399	2	84604551	84605500	948	+
## 9400	2	84605592	84606976	1383	+
## 9401	2	84611854	84616886	5031	+
## 9402	2	84616982	84619685	2702	+
## 9403	2	84619904	84621191	1286	+
## 9404	2	84621355	84621438	82	+
## 9405	2	84621551	84624265	2713	+
## 9406	2	84624390	84624465	74	+
## 9407	2	84624620	84624902	281	+
## 9408	2	84625063	84634504	9440	+
## 9409	2	84634641	84637210	2568	+
## 9410	2	84637377	84640430	3052	+
## 9411	2	84640578	84641947	1368	+
## 9412	2	84642054	84653319	11264	+
## 9413	2	84653874	84654660	785	+
## 9414	2	84654782	84658292	3509	+
## 9415	2	84658474	84659026	551	+
## 9416	2	84659169	84669289	10119	+
## 9417	2	84669510	84670328	817	+
## 9418	2	84670475	84672327	1851	+
## 9419	2	84672484	84677005	4520	+
## 9420	2	84677136	84681357	4220	+
## 9421	2	84681528	84685326	3797	+
## 9422	2	84685472	84686484	1011	+
## 9423	2	84686557	84688439	1881	+
## 9424	2	84688593	84694249	5655	+
## 9425	2	84697727	84699594	1866	+
## 9426	2	84699734	84701097	1362	+
## 9427	2	84701339	84703395	2055	+
## 9428	2	84703562	84704067	504	+
## 9429	2	84704302	84705486	1183	+
## 9430	2	84705747	84706896	1148	+
## 9431	2	84707019	84707520	500	+
## 9432	2	84707716	84709343	1626	+
## 9433	2	84710412	84713095	2682	+
## 9434	2	84718384	84722625	4240	+
## 9435	2	84722804	84727669	4864	+
## 9436	2	84733579	84745080	11500	+
## 9437	2	84745249	84762755	17505	+
## 9438	2	84762945	84781493	18547	+
## 9439	2	84781653	84784722	3068	+
## 9440	2	84784810	84785610	799	+
## 9441	2	84785756	84787164	1407	+
## 9442	2	84787302	84796306	9003	+
## 9443	2	84796425	84797537	1111	+
## 9444	2	84797658	84805665	8006	+
## 9445	2	84805794	84808415	2620	+
## 9446	2	84808542	84812341	3798	+
## 9447	2	84812526	84813058	531	+
## 9448	2	84813130	84813971	840	+
## 9449	2	84814122	84815861	1738	+
## 9450	2	84816083	84819305	3221	+
## 9451	2	85870258	85888824	18565	-

## 9452	2	85863485	85875415	11929	-
## 9453	2	85875545	85888824	13278	-
## 9454	2	85863485	85887407	23921	-
## 9455	2	85133933	85134016	82	+
## 9456	2	85134079	85134323	243	+
## 9457	2	85283578	85302484	18905	+
## 9458	2	85302616	85303895	1278	+
## 9459	2	85305403	85306206	802	+
## 9460	2	85322758	85324915	2156	-
## 9461	2	85863485	85867845	4359	-
## 9462	2	85868058	85870072	2013	-
## 9463	2	85322799	85324915	2115	-
## 9464	2	85853099	85861181	8081	-
## 9465	2	85064679	85064783	103	-
## 9466	2	85863485	85867605	4119	-
## 9467	2	85848381	85851264	2882	-
## 9468	2	85851703	85861181	9477	-
## 9469	2	85863485	85888608	25122	-
## 9470	2	86217110	86232625	15514	-
## 9471	2	86232802	86251957	19154	-
## 9472	2	86252070	86254694	2623	-
## 9473	2	86254814	86263965	9150	-
## 9474	2	86264041	86282170	18128	-
## 9475	2	86282242	86337479	55236	-
## 9476	2	86510429	86529288	18858	-
## 9477	2	86232802	86263965	31162	-
## 9478	2	86264041	86337479	73437	-
## 9479	2	86542312	86620330	78017	-
## 9480	2	86688325	86720982	32656	-
## 9481	2	86282242	86338024	55781	-
## 9482	2	86217110	86251957	34846	-
## 9483	2	86217110	86219970	2859	-
## 9484	2	86220121	86227363	7241	-
## 9485	2	86227398	86232625	5226	-
## 9486	2	87818623	87985727	167103	-
## 9487	2	88613853	88624746	10892	-
## 9488	2	95274829	95275461	631	+
## 9489	2	95275510	95275930	419	+
## 9490	2	95276132	95276227	94	+
## 9491	2	95276347	95276594	246	+
## 9492	2	95276657	95276972	314	+
## 9493	2	95277061	95277364	302	+
## 9494	2	95277566	95277930	363	+
## 9495	2	95278004	95278721	716	+
## 9496	2	95279144	95279845	700	+
## 9497	2	95282226	95284969	2742	+
## 9498	2	95289006	95290133	1126	+
## 9499	2	95275510	95275869	358	+
## 9500	2	95277496	95277930	433	+
## 9501	2	94761032	94761130	97	-
## 9502	2	94761165	94790171	29005	-
## 9503	2	94790250	94791090	839	-
## 9504	2	94791143	94792313	1169	-
## 9505	2	94792358	94795796	3437	-

## 9506	2	94796018	94797927	1908	-
## 9507	2	94798141	94798734	592	-
## 9508	2	94799013	94806341	7327	-
## 9509	2	94806470	94808471	2000	-
## 9510	2	94808583	94813391	4807	-
## 9511	2	94813540	94815082	1541	-
## 9512	2	94816005	94817173	1167	-
## 9513	2	94817353	94818761	1407	-
## 9514	2	94818924	94823004	4079	-
## 9515	2	94823074	94829006	5931	-
## 9516	2	94829078	94829170	91	-
## 9517	2	94829198	94832007	2808	-
## 9518	2	94832088	94845365	13276	-
## 9519	2	94845435	94848017	2581	-
## 9520	2	94848154	94849201	1046	-
## 9521	2	94849307	94853202	3894	-
## 9522	2	94853375	94853538	162	-
## 9523	2	94853652	94856967	3314	-
## 9524	2	95289006	95291033	2026	+
## 9525	2	94870697	94873389	2691	-
## 9526	2	94873552	94881272	7719	-
## 9527	2	94881438	94886859	5420	-
## 9528	2	94887096	94892508	5411	-
## 9529	2	94892778	94930019	37240	-
## 9530	2	94930173	94930786	612	-
## 9531	2	94930860	94932933	2072	-
## 9532	2	94932991	94935316	2324	-
## 9533	2	94935374	94947214	11839	-
## 9534	2	95048126	95053381	5254	+
## 9535	2	95025885	95049581	23695	+
## 9536	2	95025885	95053381	27495	+
## 9537	2	96335848	96342050	6201	+
## 9538	2	96605496	96606970	1473	-
## 9539	2	96713139	96734409	21269	-
## 9540	2	96738067	96739840	1772	-
## 9541	2	96637185	96637949	763	-
## 9542	2	96613619	96631312	17692	-
## 9543	2	96605537	96606970	1432	-
## 9544	2	98149641	98162851	13209	+
## 9545	2	98162976	98181016	18039	+
## 9546	2	98181212	98187975	6762	+
## 9547	2	98188129	98192898	4768	+
## 9548	2	98193036	98194361	1324	+
## 9549	2	98194492	98211930	17437	+
## 9550	2	98212028	98217846	5817	+
## 9551	2	98218028	98228202	10173	+
## 9552	2	98228332	98230050	1717	+
## 9553	2	98230207	98234648	4440	+
## 9554	2	98234767	98236390	1622	+
## 9555	2	98236477	98236574	96	+
## 9556	2	98236730	98250318	13587	+
## 9557	2	98250436	98256124	5687	+
## 9558	2	98256174	98270682	14507	+
## 9559	2	98270883	98290511	19627	+

## 9560	2	98290622	98297907	7284	+
## 9561	2	98298031	98300079	2047	+
## 9562	2	98300216	98303702	3485	+
## 9563	2	98303802	98311819	8016	+
## 9564	2	98312032	98312200	167	+
## 9565	2	98087363	98093061	5697	+
## 9566	2	98093288	98115652	22363	+
## 9567	2	98115746	98119513	3766	+
## 9568	2	98119763	98121299	1535	+
## 9569	2	98121458	98128239	6780	+
## 9570	2	98128408	98133824	5415	+
## 9571	2	98133939	98162851	28911	+
## 9572	2	98162976	98179244	16267	+
## 9573	2	98179317	98181016	1698	+
## 9574	2	98181212	98192898	11685	+
## 9575	2	98115746	98119520	3773	+
## 9576	2	98212028	98216755	4726	+
## 9577	2	98216975	98217846	870	+
## 9578	2	98256174	98269342	13167	+
## 9579	2	98269491	98270682	1190	+
## 9580	2	98121458	98162851	41392	+
## 9581	2	99018640	99035230	16589	-
## 9582	2	99071874	99103967	32092	-
## 9583	2	99109546	99110850	1303	-
## 9584	2	99127176	99154693	27516	-
## 9585	2	99110915	99127048	16132	-
## 9586	2	99127176	99141344	14167	-
## 9587	2	99118686	99141428	22741	-
## 9588	2	98827169	98832348	5178	-
## 9589	2	98832997	98838119	5121	-
## 9590	2	98838287	98846731	8443	-
## 9591	2	98846810	98935938	89127	-
## 9592	2	99118686	99127048	8361	-
## 9593	2	100820414	100904733	84318	+
## 9594	2	100904786	100925146	20359	+
## 9595	2	100925294	100932910	7615	+
## 9596	2	100933001	100937753	4751	+
## 9597	2	100937842	100948235	10392	+
## 9598	2	100948355	100949367	1011	+
## 9599	2	100964176	100964861	684	+
## 9600	2	100964943	100965660	716	+
## 9601	2	100965766	100968281	2514	+
## 9602	2	100968428	100970990	2561	+
## 9603	2	100971074	100974803	3728	+
## 9604	2	100974944	100975458	513	+
## 9605	2	100975567	100977710	2142	+
## 9606	2	100982377	100988079	5701	+
## 9607	2	100988276	100990256	1979	+
## 9608	2	100990446	100990780	333	+
## 9609	2	100990872	100993347	2474	+
## 9610	2	100993527	100995400	1872	+
## 9611	2	102474015	102478839	4823	+
## 9612	2	102479302	102503448	24145	+
## 9613	2	102503707	102505254	1546	+

## 9614	2	102505471	102508079	2607	+
## 9615	2	102508281	102508847	565	+
## 9616	2	102508933	102512203	3269	+
## 9617	2	102512273	102514090	1816	+
## 9618	2	102514251	102519859	5607	+
## 9619	2	102519955	102525024	5068	+
## 9620	2	102525155	102526259	1103	+
## 9621	2	102526346	102532330	5983	+
## 9622	2	102070533	102153941	83407	+
## 9623	2	102620137	102657564	37426	+
## 9624	2	102658027	102665100	7072	+
## 9625	2	102665350	102683261	17910	+
## 9626	2	102683478	102684134	655	+
## 9627	2	102684336	102694414	10077	+
## 9628	2	102694503	102695043	539	+
## 9629	2	102695113	102701070	5956	+
## 9630	2	102701231	102702406	1174	+
## 9631	2	102702502	102704544	2041	+
## 9632	2	102704675	102705846	1170	+
## 9633	2	102705936	102708119	2182	+
## 9634	2	102187082	102187856	773	+
## 9635	2	102187925	102201556	13630	+
## 9636	2	102201715	102218953	17237	+
## 9637	2	102219082	102219881	798	+
## 9638	2	102220017	102225898	5880	+
## 9639	2	102226041	102232963	6921	+
## 9640	2	102233124	102234897	1772	+
## 9641	2	102235277	102239192	3914	+
## 9642	2	102187086	102187856	769	+
## 9643	2	102187925	102189076	1150	+
## 9644	2	102189310	102201556	12245	+
## 9645	2	102201715	102212100	10384	+
## 9646	2	102212174	102218953	6778	+
## 9647	2	102188132	102189076	943	+
## 9648	2	102201715	102212103	10387	+
## 9649	2	102187342	102187856	513	+
## 9650	2	102189310	102191925	2614	+
## 9651	2	102192120	102201556	9435	+
## 9652	2	102174730	102175571	840	+
## 9653	2	102362718	102375907	13188	+
## 9654	2	102873580	102891263	17682	-
## 9655	2	102891434	102894573	3138	-
## 9656	2	102894777	102895633	855	-
## 9657	2	104434523	104505866	71342	+
## 9658	2	104506303	104507232	928	+
## 9659	2	104507406	104512043	4636	+
## 9660	2	105386540	105399222	12681	-
## 9661	2	105367739	105386361	18621	-
## 9662	2	105373733	105377996	4262	-
## 9663	2	105378117	105386361	8243	-
## 9664	2	104936765	104945004	8238	-
## 9665	2	104945077	105038454	93376	-
## 9666	2	105386540	105438399	51858	-
## 9667	2	105250412	105269272	18859	-

## 9668	2	105396697	105438399	41701	-
## 9669	2	105386540	105390107	3566	-
## 9670	2	105390227	105396647	6419	-
## 9671	2	106844034	106886976	42941	-
## 9672	2	106844034	106886093	42058	-
## 9673	2	106834146	106885867	51720	-
## 9674	2	106813224	106830066	16841	-
## 9675	2	106844034	106886731	42696	-
## 9676	2	106405229	106413084	7854	-
## 9677	2	106413285	106415850	2564	-
## 9678	2	106415989	106423043	7053	-
## 9679	2	106429781	106432935	3153	-
## 9680	2	106433285	106434228	942	-
## 9681	2	106434374	106434637	262	-
## 9682	2	106435202	106436123	920	-
## 9683	2	106436246	106436414	167	-
## 9684	2	106436854	106438968	2113	-
## 9685	2	106447613	106452205	4591	-
## 9686	2	106457678	106459265	1586	-
## 9687	2	106459332	106468217	8884	-
## 9688	2	106145475	106158058	12582	-
## 9689	2	107149678	107149738	59	-
## 9690	2	107149740	107313576	163835	-
## 9691	2	107313586	107349501	35914	-
## 9692	2	107827085	107836602	9516	+
## 9693	2	107836669	107838257	1587	+
## 9694	2	107838368	107838812	443	+
## 9695	2	107843730	107848341	4610	+
## 9696	2	107856969	107859114	2144	+
## 9697	2	107859554	107859722	167	+
## 9698	2	107859845	107860766	920	+
## 9699	2	107861331	107861594	262	+
## 9700	2	107861740	107862682	941	+
## 9701	2	107862861	107862949	87	+
## 9702	2	107863032	107866190	3157	+
## 9703	2	107880107	107882672	2564	+
## 9704	2	107882873	107890721	7847	+
## 9705	2	108897229	108906308	9078	-
## 9706	2	108906368	108907860	1491	-
## 9707	2	108908019	108910460	2440	-
## 9708	2	108910532	108910776	243	-
## 9709	2	108910850	108910947	96	-
## 9710	2	108911072	108912678	1605	-
## 9711	2	108912764	108923368	10603	-
## 9712	2	108923453	108929198	5744	-
## 9713	2	108929379	108930120	740	-
## 9714	2	108930242	108930964	721	-
## 9715	2	108931032	108988960	57927	-
## 9716	2	108655256	108659605	4348	+
## 9717	2	108507621	108511930	4308	-
## 9718	2	108856970	108865497	8526	+
## 9719	2	108788966	108791555	2588	+
## 9720	2	108816105	108873451	57345	+
## 9721	2	108786804	108788032	1227	+

## 9722	2	108856970	108882671	25700	+
## 9723	2	108882791	108885102	2310	+
## 9724	2	108786804	108788852	2047	+
## 9725	2	108607255	108659605	52349	+
## 9726	2	108570800	108659605	88804	+
## 9727	2	108580395	108659605	79209	+
## 9728	2	108533808	108659605	125796	+
## 9729	2	108680770	108680969	198	+
## 9730	2	108681160	108683885	2724	+
## 9731	2	109546237	109564366	18128	-
## 9732	2	109574767	109613798	39030	-
## 9733	2	109546237	109553087	6849	-
## 9734	2	109553219	109564366	11146	-
## 9735	2	109574767	109593051	18283	-
## 9736	2	109567976	109593051	25074	-
## 9737	2	109567976	109613798	45821	-
## 9738	2	109585838	109593047	7208	-
## 9739	2	109585838	109613798	27959	-
## 9740	2	109593119	109613112	19992	-
## 9741	2	109585838	109613112	27273	-
## 9742	2	109593119	109613421	20301	-
## 9743	2	109795076	109801783	6706	+
## 9744	2	109760771	109801783	41011	+
## 9745	2	109544324	109545460	1135	-
## 9746	2	109545542	109546050	507	-
## 9747	2	109760513	109760652	138	+
## 9748	2	109792989	109794165	1175	+
## 9749	2	110732774	110768368	35593	+
## 9750	2	110768464	110784732	16267	+
## 9751	2	110784815	110793650	8834	+
## 9752	2	110793736	110794076	339	+
## 9753	2	110794174	110798610	4435	+
## 9754	2	110799100	110801652	2551	+
## 9755	2	110801724	110805263	3538	+
## 9756	2	110805395	110841371	35975	+
## 9757	2	110841405	110908789	67383	+
## 9758	2	110908905	110933489	24583	+
## 9759	2	110933642	110987108	53465	+
## 9760	2	110987217	110995893	8675	+
## 9761	2	110996004	111031627	35622	+
## 9762	2	111031714	111049218	17503	+
## 9763	2	111049288	111092865	43576	+
## 9764	2	111092966	111117616	24649	+
## 9765	2	110841405	110886781	45375	+
## 9766	2	110933642	110963624	29981	+
## 9767	2	110963713	110987108	23394	+
## 9768	2	111092966	111093487	520	+
## 9769	2	111208977	111233628	24650	-
## 9770	2	112089718	112095228	5509	+
## 9771	2	112095299	112097044	1744	+
## 9772	2	111208661	111233628	24966	-
## 9773	2	111208661	111248148	39486	-
## 9774	2	111344237	111494885	150647	-
## 9775	2	111197194	111208488	11293	-

## 9776	2	111197194	111233628	36433	-
## 9777	2	111233739	111248148	14408	-
## 9778	2	112721547	112721818	270	+
## 9779	2	112722103	112722183	79	+
## 9780	2	112722278	112722498	219	+
## 9781	2	112722589	112722714	124	+
## 9782	2	112722771	112723081	309	+
## 9783	2	112723468	112723719	250	+
## 9784	2	112723802	112724094	291	+
## 9785	2	112724126	112724781	654	+
## 9786	2	112724888	112725174	285	+
## 9787	2	112725240	112725382	141	+
## 9788	2	112726289	112726678	388	+
## 9789	2	112726738	112729627	2888	+
## 9790	2	112729704	112742412	12707	+
## 9791	2	112978078	112978620	541	+
## 9792	2	112978693	112980009	1315	+
## 9793	2	112980148	112984840	4691	+
## 9794	2	112978693	112979221	527	+
## 9795	2	112979325	112980009	683	+
## 9796	2	113627400	113627615	214	+
## 9797	2	113627856	113628554	697	+
## 9798	2	113634232	113641356	7123	+
## 9799	2	113634232	113640894	6661	+
## 9800	2	113632944	113634157	1212	+
## 9801	2	113890778	113913172	22393	+
## 9802	2	113634232	113635028	795	+
## 9803	2	113642108	113643190	1081	+
## 9804	2	113635130	113641356	6225	+
## 9805	2	118088542	118091618	3075	+
## 9806	2	118091623	118103196	11572	+
## 9807	2	118088667	118091618	2950	+
## 9808	2	118088666	118096419	7752	+
## 9809	2	118088541	118103197	14655	+
## 9810	2	120013681	120019077	5395	+
## 9811	2	120100814	120101589	774	+
## 9812	2	120101719	120104060	2340	+
## 9813	2	120167507	120167880	372	+
## 9814	2	120019268	120042006	22737	+
## 9815	2	120167507	120174841	7333	+
## 9816	2	120101691	120104060	2368	+
## 9817	2	120792438	120797291	4852	+
## 9818	2	120797468	120951243	153774	+
## 9819	2	121755953	121761409	5455	+
## 9820	2	121755845	121763005	7159	+
## 9821	2	121755845	121758710	2864	+
## 9822	2	127657562	127664306	6743	-
## 9823	2	127293718	127293795	76	-
## 9824	2	127738054	127763062	25007	-
## 9825	2	127657562	127675014	17451	-
## 9826	2	127657562	127681320	23757	-
## 9827	2	127657562	127673678	16115	-
## 9828	2	127673743	127675014	1270	-
## 9829	2	130836992	130913986	76993	+

## 9830	2	130914019	130917397	3377	+
## 9831	2	130917498	130930952	13453	+
## 9832	2	130930979	130931091	111	+
## 9833	2	130931257	130946509	15251	+
## 9834	2	130946635	131027945	81309	+
## 9835	2	131028084	131038853	10768	+
## 9836	2	131040440	131041230	789	+
## 9837	2	131041462	131041815	352	+
## 9838	2	130538470	130543883	5412	-
## 9839	2	130544058	130549764	5705	-
## 9840	2	130836992	130930952	93959	+
## 9841	2	130538473	130549764	11290	-
## 9842	2	130917061	130917397	335	+
## 9843	2	130172895	130174914	2018	-
## 9844	2	131682988	131684709	1720	+
## 9845	2	131684819	131686064	1244	+
## 9846	2	131688303	131722417	34113	+
## 9847	2	131722648	131733833	11184	+
## 9848	2	131733952	131750633	16680	+
## 9849	2	131750830	131751509	678	+
## 9850	2	131751585	131766619	15033	+
## 9851	2	131592104	131596774	4669	+
## 9852	2	131596888	131597048	159	+
## 9853	2	131597221	131600005	2783	+
## 9854	2	131600111	131601423	1311	+
## 9855	2	131601556	131604018	2461	+
## 9856	2	131604088	131609382	5293	+
## 9857	2	131609452	131611525	2072	+
## 9858	2	131611709	131612986	1276	+
## 9859	2	131613103	131625938	12834	+
## 9860	2	131984343	131993729	9385	-
## 9861	2	131993830	131994409	578	-
## 9862	2	131994580	131994941	360	-
## 9863	2	131994987	132004111	9123	-
## 9864	2	132004233	132037309	33075	-
## 9865	2	132037491	132037788	296	-
## 9866	2	132037475	132037788	312	-
## 9867	2	131722648	131750633	27984	+
## 9868	2	131751585	131758358	6772	+
## 9869	2	131758537	131766619	8081	+
## 9870	2	131682557	131684709	2151	+
## 9871	2	131733952	131736540	2587	+
## 9872	2	131736686	131750633	13946	+
## 9873	2	132669919	132670047	127	-
## 9874	2	132148228	132150912	2683	-
## 9875	2	132150976	132154662	3685	-
## 9876	2	132154768	132156973	2204	-
## 9877	2	132157146	132257529	100382	-
## 9878	2	132417898	132645101	227202	+
## 9879	2	132668537	132669847	1309	-
## 9880	2	132668537	132671179	2641	-
## 9881	2	132150976	132152806	1829	-
## 9882	2	132153694	132154662	967	-
## 9883	2	134964916	134980821	15904	-

## 9884	2	134981518	134983676	2157	-
## 9885	2	134983825	134985800	1974	-
## 9886	2	134988253	134991537	3283	-
## 9887	2	134991580	134998738	7157	-
## 9888	2	134998997	134999937	939	-
## 9889	2	135000015	135005435	5419	-
## 9890	2	135005531	135021715	16183	-
## 9891	2	135021830	135024626	2795	-
## 9892	2	134838739	134844365	5625	+
## 9893	2	134844471	134845233	761	+
## 9894	2	134845277	134859261	13983	+
## 9895	2	134859357	134863395	4037	+
## 9896	2	134863631	134867579	3947	+
## 9897	2	134867672	134870965	3292	+
## 9898	2	134871060	134872469	1408	+
## 9899	2	134872641	134898341	25699	+
## 9900	2	134898439	134901798	3358	+
## 9901	2	134981518	134983180	1661	-
## 9902	2	134983331	134983676	344	-
## 9903	2	135021830	135023457	1626	-
## 9904	2	134991580	135005435	13854	-
## 9905	2	134876138	134877520	1381	-
## 9906	2	135164696	135167693	2996	+
## 9907	2	135167713	135168545	831	+
## 9908	2	134981518	134991537	10018	-
## 9909	2	134981406	134983708	2301	-
## 9910	2	134983825	134991537	7711	-
## 9911	2	134838739	134845233	6493	+
## 9912	2	134859357	134861969	2611	+
## 9913	2	134862018	134863395	1376	+
## 9914	2	135794775	135798029	3253	-
## 9915	2	135798138	135800607	2468	-
## 9916	2	135800809	135803930	3120	-
## 9917	2	135804128	135804767	638	-
## 9918	2	135805057	135807128	2070	-
## 9919	2	135807396	135808443	1046	-
## 9920	2	135809993	135812311	2317	-
## 9921	2	135812956	135817341	4384	-
## 9922	2	135818061	135822020	3958	-
## 9923	2	135822098	135823901	1802	-
## 9924	2	135824003	135829593	5589	-
## 9925	2	135829676	135833111	3434	-
## 9926	2	135833190	135836530	3339	-
## 9927	2	135586506	135602500	15993	+
## 9928	2	135602708	135621494	18785	+
## 9929	2	135650003	135651730	1726	+
## 9930	2	137879851	137926237	46385	-
## 9931	2	137926408	137927902	1493	-
## 9932	2	138671665	138780191	108525	-
## 9933	2	144235737	144244785	9047	-
## 9934	2	143970762	144007185	36422	-
## 9935	2	144235737	144331733	95995	-
## 9936	2	144235737	144331494	95756	-
## 9937	2	144235737	144332878	97140	-

## 9938	2	144145739	144235676	89936	-
## 9939	2	144177240	144178835	1594	-
## 9940	2	144235737	144295275	59537	-
## 9941	2	144007535	144136202	128666	-
## 9942	2	144136318	144141882	5563	-
## 9943	2	143957339	144007182	49842	-
## 9944	2	144235737	144248617	12879	-
## 9945	2	144007535	144011668	4132	-
## 9946	2	144011814	144136202	124387	-
## 9947	2	144235737	144328529	92791	-
## 9948	2	144328663	144332439	3775	-
## 9949	2	144521926	144566433	44506	+
## 9950	2	143952073	144007182	55108	-
## 9951	2	144211579	144332878	121298	-
## 9952	2	144235737	144237244	1506	-
## 9953	2	144237339	144331733	94393	-
## 9954	2	143952843	144141882	189038	-
## 9955	2	144235737	144265572	29834	-
## 9956	2	144265668	144332439	66770	-
## 9957	2	144011814	144141882	130067	-
## 9958	2	144230322	144332439	102116	-
## 9959	2	144145739	144178835	33095	-
## 9960	2	144317588	144319622	2033	-
## 9961	2	144211579	144297695	86115	-
## 9962	2	144297888	144332439	34550	-
## 9963	2	144211579	144332439	120859	-
## 9964	2	144142055	144145568	3512	-
## 9965	2	144237339	144332439	95099	-
## 9966	2	144211597	144235676	24078	-
## 9967	2	143952843	143957200	4356	-
## 9968	2	144208804	144235676	26871	-
## 9969	2	143952073	143970653	18579	-
## 9970	2	144235737	144329098	93360	-
## 9971	2	144329234	144332439	3204	-
## 9972	2	144011814	144127998	116183	-
## 9973	2	144128044	144128246	201	-
## 9974	2	144128322	144141882	13559	-
## 9975	2	144011814	144127901	116086	-
## 9976	2	143970762	144136202	165439	-
## 9977	2	143957339	143968096	10756	-
## 9978	2	143968201	143970653	2451	-
## 9979	2	143970762	144127901	157138	-
## 9980	2	144128044	144141882	13837	-
## 9981	2	144248697	144332439	83741	-
## 9982	2	147958866	148020633	61766	-
## 9983	2	147982081	148020608	38526	-
## 9984	2	149038801	149205253	166451	+
## 9985	2	149038801	149119103	80301	+
## 9986	2	149119163	149130883	11719	+
## 9987	2	149077596	149119103	41506	+
## 9988	2	149130953	149160764	29810	+
## 9989	2	149118265	149119103	837	+
## 9990	2	149330202	149437638	107435	+
## 9991	2	149449147	149468645	19497	+

## 9992	2	149587850	149743718	155867	+
## 9993	2	149743759	149847909	104149	+
## 9994	2	149767909	149769320	1410	-
## 9995	2	149769406	149804182	34775	-
## 9996	2	149804220	149857451	53230	-
## 9997	2	149858603	149859043	439	-
## 9998	2	149330722	149437638	106915	+
## 9999	2	150471761	150474875	3113	-
## 10000	2	151971704	151973669	1964	-
## 10001	2	151971704	151971886	181	-
## 10002	2	151883370	151970281	86910	-
## 10003	2	151970426	151971545	1118	-
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## 10005	2	151255743	151261725	5981	-
## 10006	2	151492494	151493353	858	-
## 10007	2	151493445	151493775	329	-
## 10008	2	151493867	151494161	293	-
## 10009	2	151494253	151496276	2022	-
## 10010	2	151496368	151496941	572	-
## 10011	2	151497033	151497626	592	-
## 10012	2	151497718	151498260	541	-
## 10013	2	151498352	151499298	945	-
## 10014	2	151499390	151501391	2000	-
## 10015	2	151501483	151502793	1309	-
## 10016	2	151502885	151503349	463	-
## 10017	2	151514428	151514818	389	-
## 10018	2	151514928	151516459	1530	-
## 10019	2	151531896	151534215	2318	-
## 10020	2	151534319	151535691	1371	-
## 10021	2	151555044	151560592	5547	-
## 10022	2	151560699	151561004	304	-
## 10023	2	151561108	151561208	99	-
## 10024	2	151561312	151562110	797	-
## 10025	2	151562214	151562611	396	-
## 10026	2	151562808	151563606	797	-
## 10027	2	151563719	151563823	103	-
## 10028	2	151563930	151565044	1113	-
## 10029	2	151565148	151565501	352	-
## 10030	2	151565820	151567168	1347	-
## 10031	2	151568178	151568316	137	-
## 10032	2	151568417	151568618	200	-
## 10033	2	151568716	151569268	551	-
## 10034	2	151569372	151570081	708	-
## 10035	2	151570392	151570497	104	-
## 10036	2	151570601	151575695	5093	-
## 10037	2	151575799	151576151	351	-
## 10038	2	151576354	151579338	2983	-
## 10039	2	151579649	151580797	1147	-
## 10040	2	151580904	151581483	578	-
## 10041	2	151581587	151582464	876	-
## 10042	2	151582667	151583455	787	-
## 10043	2	151583766	151585507	1740	-
## 10044	2	151585614	151586405	790	-
## 10045	2	151586509	151587374	864	-

## 10046	2	151587577	151589889	2311	-
## 10047	2	151590200	151591348	1147	-
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## 10049	2	151592138	151593016	877	-
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## 10052	2	151596167	151596958	790	-
## 10053	2	151597062	151597927	864	-
## 10054	2	151598130	151600442	2311	-
## 10055	2	151600753	151601901	1147	-
## 10056	2	151602008	151602587	578	-
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## 10060	2	151607608	151608473	864	-
## 10061	2	151608676	151609809	1132	-
## 10062	2	151610120	151610516	395	-
## 10063	2	151610623	151610762	138	-
## 10064	2	151610866	151612186	1319	-
## 10065	2	151612389	151614276	1886	-
## 10066	2	151614587	151616002	1414	-
## 10067	2	151616109	151617364	1254	-
## 10068	2	151617468	151618275	806	-
## 10069	2	151618478	151619451	972	-
## 10070	2	151619762	151620919	1156	-
## 10071	2	151621026	151625534	4507	-
## 10072	2	151625638	151627002	1363	-
## 10073	2	151627205	151627523	317	-
## 10074	2	151627834	151629539	1704	-
## 10075	2	151629646	151630715	1068	-
## 10076	2	151630819	151631143	323	-
## 10077	2	151631346	151633654	2307	-
## 10078	2	151633965	151636227	2261	-
## 10079	2	151636334	151639280	2945	-
## 10080	2	151639384	151639857	472	-
## 10081	2	151640060	151640355	294	-
## 10082	2	151640666	151642574	1907	-
## 10083	2	151642681	151642765	83	-
## 10084	2	151642869	151643150	280	-
## 10085	2	151643353	151643818	464	-
## 10086	2	151644129	151644468	338	-
## 10087	2	151644575	151646130	1554	-
## 10088	2	151646234	151650176	3941	-
## 10089	2	151650379	151650574	194	-
## 10090	2	151650885	151653992	3106	-
## 10091	2	151654099	151655270	1170	-
## 10092	2	151655374	151655817	442	-
## 10093	2	151656023	151656153	129	-
## 10094	2	151656464	151657983	1518	-
## 10095	2	151658090	151659065	974	-
## 10096	2	151659169	151662135	2965	-
## 10097	2	151662341	151663548	1206	-
## 10098	2	151663859	151664501	641	-
## 10099	2	151664608	151664759	150	-

## 10100	2	151664863	151665333	469	-
## 10101	2	151665539	151666090	550	-
## 10102	2	151666401	151667804	1402	-
## 10103	2	151667911	151669027	1115	-
## 10104	2	151669131	151671023	1891	-
## 10105	2	151671229	151672369	1139	-
## 10106	2	151672680	151674477	1796	-
## 10107	2	151674584	151675287	702	-
## 10108	2	151675391	151677565	2173	-
## 10109	2	151677771	151677876	104	-
## 10110	2	151678187	151679721	1533	-
## 10111	2	151679828	151679918	89	-
## 10112	2	151680022	151680730	707	-
## 10113	2	151680828	151682662	1833	-
## 10114	2	151682769	151684778	2008	-
## 10115	2	151684975	151687419	2443	-
## 10116	2	151687532	151687626	93	-
## 10117	2	151687733	151688292	558	-
## 10118	2	151688396	151690727	2330	-
## 10119	2	151690825	151691864	1038	-
## 10120	2	151691968	151692059	90	-
## 10121	2	151692166	151692261	94	-
## 10122	2	151692362	151694323	1960	-
## 10123	2	151694436	151694522	85	-
## 10124	2	151694629	151695578	948	-
## 10125	2	151695682	151696637	954	-
## 10126	2	151696735	151697148	412	-
## 10127	2	151697252	151697350	97	-
## 10128	2	151697457	151697544	86	-
## 10129	2	151697648	151706881	9232	-
## 10130	2	151706997	151709656	2658	-
## 10131	2	151709763	151710434	670	-
## 10132	2	151710538	151717416	6877	-
## 10133	2	151717520	151723382	5861	-
## 10134	2	151723486	151724260	773	-
## 10135	2	151724364	151724857	492	-
## 10136	2	151724961	151725453	491	-
## 10137	2	151725560	151727691	2130	-
## 10138	2	151727906	151729615	1708	-
## 10139	2	151729656	151733121	3464	-
## 10140	2	151733185	151733712	526	-
## 10141	2	151733795	151734398	602	-
## 10142	2	151533546	151534215	668	-
## 10143	2	151496368	151502793	6424	-
## 10144	2	151576354	151609809	33454	-
## 10145	2	151630819	151639893	9073	-
## 10146	2	151533546	151535691	2144	-
## 10147	2	154699477	154854727	155249	+
## 10148	2	154699477	154709603	10125	+
## 10149	2	154709819	154854727	144907	+
## 10150	2	157995259	158015801	20541	+
## 10151	2	158015886	158102040	86153	+
## 10152	2	158102125	158106099	3973	+
## 10153	2	158106216	158115101	8884	+

## 10154	2	158115259	158117824	2564	+
## 10155	2	158123895	158134748	10852	+
## 10156	2	157826646	157875796	49149	-
## 10157	2	157818559	157875742	57182	-
## 10158	2	158166723	158176601	9877	+
## 10159	2	158176695	158178061	1365	+
## 10160	2	158178112	158207484	29371	+
## 10161	2	158207617	158235730	28112	+
## 10162	2	157818559	157874864	56304	-
## 10163	2	157826646	157838241	11594	-
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## 10165	2	157860179	157875796	15616	-
## 10166	2	157819489	157875796	56306	-
## 10167	2	157534043	157538573	4529	-
## 10168	2	157538703	157541090	2386	-
## 10169	2	157541214	157542706	1491	-
## 10170	2	157542862	157544445	1582	-
## 10171	2	157544612	157550162	5549	-
## 10172	2	157550392	157556093	5700	-
## 10173	2	157556332	157587187	30854	-
## 10174	2	157587417	157628572	41154	-
## 10175	2	157544612	157587187	42574	-
## 10176	2	157550392	157587187	36794	-
## 10177	2	157587417	157597360	9942	-
## 10178	2	159228901	159229578	676	+
## 10179	2	159283093	159286360	3266	-
## 10180	2	158457218	158498840	41621	+
## 10181	2	158500081	158533180	33098	+
## 10182	2	159136298	159169250	32951	+
## 10183	2	159256375	159279761	23385	-
## 10184	2	159283093	159286536	3442	-
## 10185	2	159283093	159286428	3334	-
## 10186	2	158661750	158665848	4097	-
## 10187	2	158666081	158679246	13164	-
## 10188	2	158679389	158734728	55338	-
## 10189	2	158458307	158477244	18936	+
## 10190	2	158477915	158533180	55264	+
## 10191	2	158457218	158533183	75964	+
## 10192	2	159097834	159149142	51307	+
## 10193	2	159001189	159043276	42086	+
## 10194	2	159043444	159065896	22451	+
## 10195	2	160101834	160107679	5844	-
## 10196	2	160107845	160112080	4234	-
## 10197	2	160112199	160123791	11591	-
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## 10199	2	160126601	160137434	10832	-
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## 10201	2	160138199	160141982	3782	-
## 10202	2	160142071	160169212	27140	-
## 10203	2	160169307	160172569	3261	-
## 10204	2	160172730	160173974	1243	-
## 10205	2	160174139	160195369	21229	-
## 10206	2	160195615	160196216	600	-
## 10207	2	160196420	160200003	3582	-

## 10208	2	159941992	159942127	134	-
## 10209	2	159942159	159944906	2746	-
## 10210	2	159945082	159946807	1724	-
## 10211	2	159946917	159947419	501	-
## 10212	2	159947559	159949608	2048	-
## 10213	2	159955828	159956510	681	-
## 10214	2	160195615	160196389	773	-
## 10215	2	160195615	160200003	4387	-
## 10216	2	160196420	160199179	2758	-
## 10217	2	160199258	160200003	744	-
## 10218	2	160200078	160200186	107	-
## 10219	2	160112199	160137434	25234	-
## 10220	2	161624566	161708694	84127	+
## 10221	2	161708829	161770973	62143	+
## 10222	2	161771054	161804449	33394	+
## 10223	2	161804595	161839789	35193	+
## 10224	2	161839927	161854970	15042	+
## 10225	2	161855130	161862874	7743	+
## 10226	2	161863062	161872293	9230	+
## 10227	2	161872384	161873916	1531	+
## 10228	2	161874005	161879131	5125	+
## 10229	2	161879288	161882357	3068	+
## 10230	2	161882444	161894679	12234	+
## 10231	2	161894825	161900911	6085	+
## 10232	2	161901011	161904004	2992	+
## 10233	2	161904178	161904776	597	+
## 10234	2	161904909	161905642	732	+
## 10235	2	161905887	161942792	36904	+
## 10236	2	161942897	161947566	4668	+
## 10237	2	161947727	161949148	1420	+
## 10238	2	161949261	161950687	1425	+
## 10239	2	161950848	161956989	6140	+
## 10240	2	161957240	161958487	1246	+
## 10241	2	161958555	161964135	5579	+
## 10242	2	161964308	161965051	742	+
## 10243	2	161976876	161977722	845	+
## 10244	2	161977760	161983179	5418	+
## 10245	2	161872384	161879131	6746	+
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## 10247	2	161708829	161710618	1788	+
## 10248	2	161710751	161770973	60221	+
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## 10250	2	161863062	161872296	9233	+
## 10251	2	162114532	162161770	47237	+
## 10252	2	162161901	162162990	1088	+
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## 10254	2	161976876	161977744	867	+
## 10255	2	161855130	161860614	5483	+
## 10256	2	161860719	161862874	2154	+
## 10257	2	161771054	161839789	68734	+
## 10258	2	162018850	162020229	1378	-
## 10259	2	162047498	162073402	25903	-
## 10260	2	161624566	161710618	86051	+
## 10261	2	162024939	162032035	7095	-

## 10262	2	162032265	162033541	1275	-
## 10263	2	162038422	162038945	522	-
## 10264	2	162045612	162046702	1089	-
## 10265	2	162046805	162046915	109	-
## 10266	2	162073486	162073840	353	-
## 10267	2	162039021	162045532	6510	-
## 10268	2	162035322	162038302	2979	-
## 10269	2	162768988	162771931	2942	+
## 10270	2	162771991	162784597	12605	+
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## 10272	2	162785160	162795396	10235	+
## 10273	2	164497095	164497211	115	-
## 10274	2	164508550	164508742	191	-
## 10275	2	164527135	164547660	20524	-
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## 10280	2	164665901	164692221	26319	-
## 10281	2	164743875	164800534	56658	-
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## 10284	2	165245448	165295773	50324	+
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## 10286	2	165307937	165308666	728	+
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## 10288	2	165309256	165310323	1066	+
## 10289	2	165310595	165312025	1429	+
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## 10291	2	165308794	165309352	557	+
## 10292	2	165309443	165310323	879	+
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## 10295	2	165992422	165994146	1723	-
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## 10306	2	166038132	166039423	1290	-
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## 10310	2	166044049	166045043	993	-
## 10311	2	166045327	166046770	1442	-
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## 10313	2	166047768	166048886	1117	-
## 10314	2	166048949	166051719	2769	-
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## 10316	2	166052943	166054638	1694	-
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## 10319	2	166058688	166073358	14669	-
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## 10321	2	166077801	166149047	71245	-
## 10322	2	166045324	166046770	1445	-
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## 10326	2	166127010	166127771	760	-
## 10327	2	166406646	166409665	3018	-
## 10328	2	166409935	166410220	284	-
## 10329	2	166410324	166412530	2205	-
## 10330	2	166412667	166413068	400	-
## 10331	2	166413121	166416707	3585	-
## 10332	2	166416985	166421190	4204	-
## 10333	2	166421297	166423259	1961	-
## 10334	2	166423432	166427788	4355	-
## 10335	2	166427942	166429169	1226	-
## 10336	2	166429274	166432318	3043	-
## 10337	2	166432752	166441396	8643	-
## 10338	2	166441752	166443503	1750	-
## 10339	2	166443676	166444762	1085	-
## 10340	2	166445000	166447612	2611	-
## 10341	2	166447708	166456870	9161	-
## 10342	2	166457076	166462389	5312	-
## 10343	2	166462530	166465462	2931	-
## 10344	2	166465531	166465781	249	-
## 10345	2	166465987	166470615	4627	-
## 10346	2	166470706	166472317	1610	-
## 10347	2	166472445	166473799	1353	-
## 10348	2	166473888	166474226	337	-
## 10349	2	166474344	166477463	3118	-
## 10350	2	166477710	166486856	9145	-
## 10351	2	166486968	166493968	6999	-
## 10352	2	166073670	166127771	54100	-
## 10353	2	166073670	166149047	75376	-
## 10354	2	165934076	165934734	657	+
## 10355	2	165934789	165947197	12407	+
## 10356	2	165947341	165947888	546	+
## 10357	2	165947925	165948035	109	+
## 10358	2	165934076	165947197	13120	+
## 10359	2	166081678	166092553	10874	+
## 10360	2	166092663	166171387	78723	+
## 10361	2	166171558	166199639	28080	+
## 10362	2	166199818	166248195	48376	+
## 10363	2	166248276	166249343	1066	+
## 10364	2	166249384	166251779	2394	+
## 10365	2	166251912	166277088	25175	+
## 10366	2	166277247	166294565	17317	+
## 10367	2	166294727	166296023	1295	+
## 10368	2	166296129	166298690	2560	+
## 10369	2	166298841	166300931	2089	+

## 10370	2	166042424	166043669	1244	-
## 10371	2	166039596	166041215	1618	-
## 10372	2	166432752	166436347	3594	-
## 10373	2	166436440	166441396	4955	-
## 10374	2	166002753	166007230	4476	-
## 10375	2	166007293	166009719	2425	-
## 10376	2	166073670	166126924	53253	-
## 10377	2	166888557	166903465	14907	+
## 10378	2	166903890	167135909	232018	+
## 10379	2	167241910	167242569	658	+
## 10380	2	167251947	167254032	2084	+
## 10381	2	167187531	167210735	23203	+
## 10382	2	167136062	167184542	48479	+
## 10383	2	167184640	167210735	26094	+
## 10384	2	167815231	167862715	47483	-
## 10385	2	167862850	167869740	6889	-
## 10386	2	167869980	167900732	30751	-
## 10387	2	167900782	167941109	40326	-
## 10388	2	168765748	168766322	573	+
## 10389	2	168766345	168769510	3164	+
## 10390	2	169697531	169741385	43853	+
## 10391	2	169067267	169081523	14255	+
## 10392	2	169081152	169081523	370	+
## 10393	2	169072685	169074255	1569	+
## 10394	2	169074466	169081523	7056	+
## 10395	2	168923822	168924657	834	-
## 10396	2	168924803	168927156	2352	-
## 10397	2	168927362	168930665	3302	-
## 10398	2	168930862	168932377	1514	-
## 10399	2	168932533	168935184	2650	-
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## 10406	2	168969551	168970045	493	-
## 10407	2	168970215	168971847	1631	-
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## 10409	2	168973840	168976577	2736	-
## 10410	2	168976687	168979866	3178	-
## 10411	2	168979979	168986110	6130	-
## 10412	2	168986284	168990801	4516	-
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## 10414	2	168993882	168995349	1466	-
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## 10417	2	169013510	169014303	792	-
## 10418	2	169014354	169016778	2423	-
## 10419	2	169016799	169018050	1250	-
## 10420	2	169018152	169031225	13072	-
## 10421	2	169128830	169129013	182	-
## 10422	2	169129084	169132574	3489	-
## 10423	2	169132681	169137392	4710	-

## 10424	2	169137493	169138577	1083	-
## 10425	2	169138706	169139251	544	-
## 10426	2	169139371	169139543	171	-
## 10427	2	169139610	169140455	844	-
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## 10429	2	169142793	169145747	2953	-
## 10430	2	169145923	169146739	815	-
## 10431	2	169146959	169150898	3938	-
## 10432	2	169151026	169152799	1772	-
## 10433	2	169152964	169154460	1495	-
## 10434	2	169154603	169156274	1670	-
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## 10447	2	169178026	169181448	3421	-
## 10448	2	169181618	169182167	548	-
## 10449	2	169182319	169185503	3183	-
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## 10451	2	169188265	169191832	3566	-
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## 10459	2	169205637	169206023	385	-
## 10460	2	169206188	169206330	141	-
## 10461	2	169207250	169209453	2202	-
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## 10463	2	169212207	169213657	1449	-
## 10464	2	169213870	169216253	2382	-
## 10465	2	169216430	169220454	4023	-
## 10466	2	169220563	169225310	4746	-
## 10467	2	169225453	169226422	968	-
## 10468	2	169226588	169231714	5125	-
## 10469	2	169231842	169233411	1568	-
## 10470	2	169233588	169235840	2251	-
## 10471	2	169236068	169237103	1034	-
## 10472	2	169237287	169238091	803	-
## 10473	2	169238302	169239527	1224	-
## 10474	2	169239775	169240988	1212	-
## 10475	2	169241365	169242956	1590	-
## 10476	2	169243072	169243403	330	-
## 10477	2	169243522	169244693	1170	-

## 10478	2	169244932	169246705	1772	-
## 10479	2	169246986	169247378	391	-
## 10480	2	169247515	169256106	8590	-
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## 10483	2	169259217	169270904	11686	-
## 10484	2	169271107	169272927	1819	-
## 10485	2	169273067	169275036	1968	-
## 10486	2	169275238	169277745	2506	-
## 10487	2	169277951	169279372	1420	-
## 10488	2	169279595	169280350	754	-
## 10489	2	169280519	169282873	2353	-
## 10490	2	169283001	169289026	6024	-
## 10491	2	169289145	169290845	1699	-
## 10492	2	169290997	169292253	1255	-
## 10493	2	169292369	169294148	1778	-
## 10494	2	169294261	169294600	338	-
## 10495	2	169294710	169307281	12570	-
## 10496	2	169307397	169318762	11364	-
## 10497	2	169318884	169320777	1892	-
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## 10499	2	170771187	170777147	5959	+
## 10500	2	170777177	170777377	199	+
## 10501	2	170777680	170779793	2112	+
## 10502	2	170779888	170782241	2352	+
## 10503	2	170782389	170784646	2256	+
## 10504	2	170784833	170792863	8029	+
## 10505	2	170792920	170798041	5120	+
## 10506	2	170798112	170798770	657	+
## 10507	2	170178289	170199208	20918	+
## 10508	2	170199391	170200150	758	+
## 10509	2	170200284	170214379	14094	+
## 10510	2	170214483	170214729	245	+
## 10511	2	170214828	170217319	2490	+
## 10512	2	170217395	170235991	18595	+
## 10513	2	170236136	170335385	99248	+
## 10514	2	170335450	170369222	33771	+
## 10515	2	170369377	170382016	12638	+
## 10516	2	170382112	170383073	960	+
## 10517	2	170383189	170383710	520	+
## 10518	2	170383814	170386189	2374	+
## 10519	2	170386272	170387106	833	+
## 10520	2	170387308	170391520	4211	+
## 10521	2	170391618	170392381	762	+
## 10522	2	170392495	170400188	7692	+
## 10523	2	170400314	170401481	1166	+
## 10524	2	170401691	170402848	1156	+
## 10525	2	170402995	170404247	1251	+
## 10526	2	170404400	170405545	1144	+
## 10527	2	170405633	170407715	2081	+
## 10528	2	170407844	170443967	36122	+
## 10529	2	170444046	170463368	19321	+
## 10530	2	170463445	170466506	3060	+
## 10531	2	170466711	170498592	31880	+

## 10532	2	170498703	170499646	942	+
## 10533	2	170499808	170514921	15112	+
## 10534	2	170515022	170519438	4415	+
## 10535	2	170519540	170542906	23365	+
## 10536	2	170542966	170543892	925	+
## 10537	2	170543988	170646909	102920	+
## 10538	2	170646939	170651628	4688	+
## 10539	2	170651734	170652108	373	+
## 10540	2	170652154	170652983	828	+
## 10541	2	170499808	170501785	1976	+
## 10542	2	170501865	170514921	13055	+
## 10543	2	170543988	170651628	107639	+
## 10544	2	170519540	170524505	4964	+
## 10545	2	170524626	170542906	18279	+
## 10546	2	170783866	170784646	779	+
## 10547	2	171692894	171707233	14338	+
## 10548	2	171692894	171706547	13652	+
## 10549	2	171706564	171707287	722	+
## 10550	2	171117857	171231145	113287	-
## 10551	2	171061156	171066842	5685	-
## 10552	2	171844508	171868681	24172	-
## 10553	2	172967444	172972289	4844	+
## 10554	2	172427470	172465539	38068	+
## 10555	2	172469380	172472774	3393	+
## 10556	2	172472890	172474055	1164	+
## 10557	2	172555719	172558708	2988	+
## 10558	2	172596023	172621424	25400	+
## 10559	2	172621502	172624036	2533	+
## 10560	2	172624152	172625060	907	+
## 10561	2	173198824	173207547	8722	-
## 10562	2	173207658	173209647	1988	-
## 10563	2	173209945	173212669	2723	-
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## 10565	2	173214496	173215626	1129	-
## 10566	2	173215836	173271511	55674	-
## 10567	2	173271618	173281682	10063	-
## 10568	2	174585611	174629666	44054	-
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## 10575	2	174482918	174486873	3954	-
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## 10579	2	174952202	175005206	53003	-
## 10580	2	174915171	174917325	2153	-
## 10581	2	174917431	174918534	1102	-
## 10582	2	174918565	174952164	33598	-
## 10583	2	178120409	178121174	764	+
## 10584	2	177629562	177663866	34303	-
## 10585	2	177663949	177669493	5543	-

## 10586	2	177669567	177675455	5887	-
## 10587	2	177675518	177680826	5307	-
## 10588	2	177680903	177697332	16428	-
## 10589	2	177697432	177701121	3688	-
## 10590	2	177701211	177711769	10557	-
## 10591	2	177711878	177727658	15779	-
## 10592	2	177727765	177728026	260	-
## 10593	2	177728172	177769323	41150	-
## 10594	2	177769373	177816829	47455	-
## 10595	2	177816921	177817858	936	-
## 10596	2	177817925	177820220	2294	-
## 10597	2	177820295	177840251	19955	-
## 10598	2	177840383	177875859	35475	-
## 10599	2	177875923	177898058	22134	-
## 10600	2	177898198	177905098	6899	-
## 10601	2	177905187	178014302	109114	-
## 10602	2	178014460	178104302	89841	-
## 10603	2	178104476	178108254	3777	-
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## 10609	2	177905187	177922708	17520	-
## 10610	2	178549869	178549986	116	-
## 10611	2	178553396	178553502	105	-
## 10612	2	178553807	178553914	106	-
## 10613	2	178554752	178554865	112	-
## 10614	2	178555152	178556848	1695	-
## 10615	2	178557144	178557253	108	-
## 10616	2	178557555	178557648	92	-
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## 10618	2	178558637	178559311	673	-
## 10619	2	178576416	178576529	112	-
## 10620	2	178576831	178576923	91	-
## 10621	2	178577898	178577988	89	-
## 10622	2	178578185	178578611	425	-
## 10623	2	178578715	178578806	90	-
## 10624	2	178579393	178579561	167	-
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## 10626	2	178580229	178580322	92	-
## 10627	2	178580609	178581499	889	-
## 10628	2	178581804	178581906	101	-
## 10629	2	178582208	178582296	87	-
## 10630	2	178582592	178582940	347	-
## 10631	2	178583227	178583607	379	-
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## 10633	2	178584578	178584669	90	-
## 10634	2	178584968	178585072	103	-
## 10635	2	178585347	178586505	1157	-
## 10636	2	178587417	178587516	98	-
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## 10638	2	178588219	178588538	318	-
## 10639	2	178591504	178591599	94	-

## 10640	2	178591892	178591978	85	-
## 10641	2	178592660	178592775	114	-
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## 10645	2	178594646	178595507	860	-
## 10646	2	178595809	178597538	1728	-
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## 10657	2	178605713	178607021	1307	-
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## 10662	2	178610389	178610993	603	-
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## 10664	2	178611677	178611758	80	-
## 10665	2	178611954	178612057	102	-
## 10666	2	178612162	178612277	114	-
## 10667	2	178613937	178614052	114	-
## 10668	2	178614753	178614847	93	-
## 10669	2	178615484	178615641	156	-
## 10670	2	178616630	178616729	98	-
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## 10683	2	178631300	178632147	846	-
## 10684	2	178632792	178632918	125	-
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## 10691	2	178636241	178636398	156	-
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## 10695	2	178641315	178642237	921	-
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## 10699	2	178649331	178649554	222	-
## 10700	2	178649631	178649817	185	-
## 10701	2	178650834	178651243	408	-
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## 10704	2	178651967	178652096	128	-
## 10705	2	178652541	178652653	111	-
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## 10710	2	178653507	178653621	113	-
## 10711	2	178653701	178653817	115	-
## 10712	2	178653897	178654012	114	-
## 10713	2	178654095	178654208	112	-
## 10714	2	178654291	178654445	153	-
## 10715	2	178654534	178654745	210	-
## 10716	2	178654828	178654912	83	-
## 10717	2	178654995	178657498	2502	-
## 10718	2	178657581	178657687	105	-
## 10719	2	178657767	178657881	113	-
## 10720	2	178657961	178658077	115	-
## 10721	2	178658157	178658272	114	-
## 10722	2	178658355	178658468	112	-
## 10723	2	178658551	178658705	153	-
## 10724	2	178658794	178659005	210	-
## 10725	2	178659088	178659172	83	-
## 10726	2	178659255	178661759	2503	-
## 10727	2	178661842	178661948	105	-
## 10728	2	178662028	178662142	113	-
## 10729	2	178662222	178662338	115	-
## 10730	2	178662418	178662533	114	-
## 10731	2	178662812	178662966	153	-
## 10732	2	178663055	178663266	210	-
## 10733	2	178663516	178663627	110	-
## 10734	2	178663710	178663819	108	-
## 10735	2	178665460	178665708	247	-
## 10736	2	178665791	178666824	1032	-
## 10737	2	178667525	178667638	112	-
## 10738	2	178667721	178669373	1651	-
## 10739	2	178669447	178669592	144	-
## 10740	2	178669675	178670218	542	-
## 10741	2	178672267	178672407	139	-
## 10742	2	178672481	178672635	153	-
## 10743	2	178673710	178674314	603	-
## 10744	2	178675113	178675671	557	-
## 10745	2	178675754	178675921	166	-
## 10746	2	178675995	178677201	1205	-
## 10747	2	178677287	178677621	333	-

## 10748	2	178677917	178678125	207	-
## 10749	2	178678208	178678414	205	-
## 10750	2	178678497	178678747	249	-
## 10751	2	178678830	178679339	508	-
## 10752	2	178679682	178679894	211	-
## 10753	2	178681171	178681376	204	-
## 10754	2	178683291	178683999	707	-
## 10755	2	178684082	178684330	247	-
## 10756	2	178684413	178684666	252	-
## 10757	2	178684749	178684906	156	-
## 10758	2	178684989	178685253	263	-
## 10759	2	178685330	178685518	187	-
## 10760	2	178685598	178688111	2512	-
## 10761	2	178688224	178688677	452	-
## 10762	2	178688778	178689053	274	-
## 10763	2	178689136	178689290	153	-
## 10764	2	178689595	178689813	217	-
## 10765	2	178689896	178692016	2119	-
## 10766	2	178692580	178693609	1028	-
## 10767	2	178694008	178694599	590	-
## 10768	2	178694676	178694829	152	-
## 10769	2	178694906	178695348	441	-
## 10770	2	178697168	178698843	1674	-
## 10771	2	178698914	178701120	2205	-
## 10772	2	178702066	178702168	101	-
## 10773	2	178702245	178702454	208	-
## 10774	2	178704407	178704510	102	-
## 10775	2	178704777	178704877	99	-
## 10776	2	178704966	178705174	207	-
## 10777	2	178705357	178706454	1096	-
## 10778	2	178706954	178707526	571	-
## 10779	2	178707813	178709566	1752	-
## 10780	2	178710922	178711062	139	-
## 10781	2	178712975	178713085	109	-
## 10782	2	178714573	178714986	412	-
## 10783	2	178715774	178717095	1320	-
## 10784	2	178717810	178717943	132	-
## 10785	2	178718221	178718322	100	-
## 10786	2	178718600	178718695	94	-
## 10787	2	178718973	178719164	190	-
## 10788	2	178719451	178719554	102	-
## 10789	2	178719832	178719983	150	-
## 10790	2	178720264	178720385	120	-
## 10791	2	178720663	178720921	257	-
## 10792	2	178722134	178722259	124	-
## 10793	2	178723696	178723856	159	-
## 10794	2	178724143	178724260	116	-
## 10795	2	178724538	178725368	829	-
## 10796	2	178728397	178728500	102	-
## 10797	2	178728778	178728891	112	-
## 10798	2	178730371	178730505	133	-
## 10799	2	178731583	178731693	109	-
## 10800	2	178732718	178732834	115	-
## 10801	2	178733121	178733239	117	-

## 10802	2	178733517	178733614	96	-
## 10803	2	178733892	178734328	435	-
## 10804	2	178734606	178734707	100	-
## 10805	2	178734988	178735511	522	-
## 10806	2	178738360	178739141	780	-
## 10807	2	178741921	178753124	11202	-
## 10808	2	178753180	178756222	3041	-
## 10809	2	178756797	178757542	744	-
## 10810	2	178757916	178758984	1067	-
## 10811	2	178766612	178767759	1146	-
## 10812	2	178770320	178770412	91	-
## 10813	2	178770675	178771211	535	-
## 10814	2	178771471	178773109	1637	-
## 10815	2	178777049	178777149	99	-
## 10816	2	178777584	178777704	119	-
## 10817	2	178777975	178778874	898	-
## 10818	2	178779118	178779229	110	-
## 10819	2	178779462	178780000	537	-
## 10820	2	178780205	178781121	915	-
## 10821	2	178782427	178782539	111	-
## 10822	2	178782602	178782806	203	-
## 10823	2	178783064	178783720	655	-
## 10824	2	178784351	178785620	1268	-
## 10825	2	178786141	178789360	3218	-
## 10826	2	178789497	178789978	480	-
## 10827	2	178790115	178790708	592	-
## 10828	2	178790845	178792072	1226	-
## 10829	2	178793541	178794399	857	-
## 10830	2	178795252	178799487	4234	-
## 10831	2	178799910	178800395	484	-
## 10832	2	178802341	178804552	2210	-
## 10833	2	178804655	178807212	2556	-
## 10834	2	178646030	178649817	3786	-
## 10835	2	178652541	178659005	6463	-
## 10836	2	178659255	178662966	3710	-
## 10837	2	178663055	178670218	7162	-
## 10838	2	178675995	178677621	1625	-
## 10839	2	178738360	178753124	14763	-
## 10840	2	178642317	178738082	95764	-
## 10841	2	178753180	178757542	4361	-
## 10842	2	178790115	178792072	1956	-
## 10843	2	178320402	178324177	3774	+
## 10844	2	178752039	178753124	1084	-
## 10845	2	178961483	178975057	13573	-
## 10846	2	178756797	178758984	2186	-
## 10847	2	178855541	178856257	715	-
## 10848	2	178856397	178865767	9369	-
## 10849	2	179443468	179444876	1407	-
## 10850	2	179444977	179445550	572	-
## 10851	2	179445728	179446525	796	-
## 10852	2	179446770	179483272	36501	-
## 10853	2	179483434	179518528	35093	-
## 10854	2	179518638	179544827	26188	-
## 10855	2	179544969	179769503	224533	-

## 10856	2	179769802	179770521	718	-
## 10857	2	179770672	179861101	90428	-
## 10858	2	179544969	179581529	36559	-
## 10859	2	179518638	179522882	4243	-
## 10860	2	179522920	179544827	21906	-
## 10861	2	179544969	179660077	115107	-
## 10862	2	179993454	180006867	13412	-
## 10863	2	179444966	179445550	583	-
## 10864	2	179446770	179518528	71757	-
## 10865	2	179518638	179745713	227074	-
## 10866	2	179518638	179769503	250864	-
## 10867	2	179945715	179952471	6755	-
## 10868	2	179770672	179821337	50664	-
## 10869	2	179821422	179861101	39678	-
## 10870	2	179544969	179719863	174893	-
## 10871	2	179720094	179745713	25618	-
## 10872	2	179442177	179443224	1046	-
## 10873	2	179483434	179514085	30650	-
## 10874	2	179514246	179518528	4281	-
## 10875	2	179518638	179534707	16068	-
## 10876	2	179534788	179544827	10038	-
## 10877	2	179544969	179576116	31146	-
## 10878	2	179576267	179583975	7707	-
## 10879	2	179584067	179585868	1800	-
## 10880	2	179544969	179745465	200495	-
## 10881	2	179446770	179465903	19132	-
## 10882	2	179465983	179483272	17288	-
## 10883	2	179544969	179745713	200743	-
## 10884	2	179745850	179769503	23652	-
## 10885	2	179986770	179993335	6564	-
## 10886	2	179993454	179999731	6276	-
## 10887	2	180692441	180724596	32154	+
## 10888	2	180724690	180827241	102550	+
## 10889	2	180827507	180916273	88765	+
## 10890	2	180980546	180980942	395	+
## 10891	2	181226535	181262829	36293	+
## 10892	2	181262977	181362687	99709	+
## 10893	2	181362918	181398379	35460	+
## 10894	2	180724690	180725191	500	+
## 10895	2	180725291	180823933	98641	+
## 10896	2	180824070	180827241	3170	+
## 10897	2	180827507	180899650	72142	+
## 10898	2	180899718	180916273	16554	+
## 10899	2	180724690	180916273	191582	+
## 10900	2	180725291	180827241	101949	+
## 10901	2	180724690	180823933	99242	+
## 10902	2	182264414	182426578	162163	-
## 10903	2	181975264	182061442	86177	+
## 10904	2	181986191	181987839	1647	+
## 10905	2	181987899	182061442	73542	+
## 10906	2	182117468	182128974	11505	+
## 10907	2	182240292	182241802	1509	-
## 10908	2	181986191	181987818	1626	+
## 10909	2	182117301	182128974	11672	+

## 10910	2	183023916	183024978	1061	-
## 10911	2	183024995	183037992	12996	-
## 10912	2	185720720	185729329	8608	-
## 10913	2	185729437	185736062	6624	-
## 10914	2	185736132	185738570	2437	-
## 10915	2	185736137	185738570	2432	-
## 10916	2	185736137	185738907	2769	-
## 10917	2	185729437	185740379	10941	-
## 10918	2	188292219	188477659	185439	+
## 10919	2	188570120	188582341	12220	+
## 10920	2	188582565	188584265	1699	+
## 10921	2	188587949	188589740	1790	+
## 10922	2	188589750	188593940	4189	+
## 10923	2	188292611	188383763	91151	+
## 10924	2	188529195	188569239	40043	+
## 10925	2	188587949	188593943	5993	+
## 10926	2	188293112	188477659	184546	+
## 10927	2	188569355	188569620	264	+
## 10928	2	188569643	188570028	384	+
## 10929	2	188582413	188584265	1851	+
## 10930	2	188293112	188383763	90650	+
## 10931	2	188529195	188541185	11989	+
## 10932	2	188292166	188477659	185492	+
## 10933	2	188383889	188466475	82585	+
## 10934	2	188466568	188477659	11090	+
## 10935	2	188035711	188165754	130042	-
## 10936	2	188165908	188287467	121558	-
## 10937	2	188483492	188499559	16066	+
## 10938	2	188499669	188522756	23086	+
## 10939	2	188292219	188383763	91543	+
## 10940	2	188483492	188569239	85746	+
## 10941	2	188483492	188529097	45604	+
## 10942	2	188293180	188383763	90582	+
## 10943	2	188292166	188466475	174308	+
## 10944	2	188293180	188294200	1019	+
## 10945	2	188294393	188383763	89369	+
## 10946	2	189068113	189068226	112	-
## 10947	2	189068270	189068786	515	-
## 10948	2	189081043	189083984	2940	-
## 10949	2	189100139	189104264	4124	-
## 10950	2	189104277	189110225	5947	-
## 10951	2	189110449	189179508	69058	-
## 10952	2	190137849	190163936	26086	+
## 10953	2	190164060	190199697	35636	+
## 10954	2	190150448	190199697	49248	+
## 10955	2	190497719	190499832	2112	+
## 10956	2	190499856	190500015	158	+
## 10957	2	190408503	190433327	24823	+
## 10958	2	190407750	190435977	28226	+
## 10959	2	190409059	190415292	6232	+
## 10960	2	190181128	190199697	18568	+
## 10961	2	191148204	191151334	3129	-
## 10962	2	190987068	190991228	4159	-
## 10963	2	191009143	191009876	732	-

## 10964	2	191400835	191408115	7279	+
## 10965	2	191245611	191276887	31275	+
## 10966	2	190974920	190975812	891	-
## 10967	2	190975911	190976840	928	-
## 10968	2	190989674	190995061	5386	-
## 10969	2	190986941	190987039	97	-
## 10970	2	190991320	190997856	6535	-
## 10971	2	190986947	190989615	2667	-
## 10972	2	190974868	190976943	2074	-
## 10973	2	191950407	191953679	3271	-
## 10974	2	191953837	191956255	2417	-
## 10975	2	191956378	191998262	41883	-
## 10976	2	191998321	191999060	738	-
## 10977	2	191999208	192057679	58470	-
## 10978	2	192057775	192179668	121892	-
## 10979	2	192179694	192184354	4659	-
## 10980	2	192184483	192191880	7396	-
## 10981	2	192191989	192194353	2363	-
## 10982	2	191950464	191953679	3214	-
## 10983	2	194344319	194368841	24521	+
## 10984	2	194369072	194374136	5063	+
## 10985	2	194374262	194377212	2949	+
## 10986	2	194377337	194416196	38858	+
## 10987	2	194416418	194419308	2889	+
## 10988	2	195738127	195740766	2638	-
## 10989	2	195740869	195754337	13467	-
## 10990	2	195754514	195756133	1618	-
## 10991	2	195756285	195771660	15374	-
## 10992	2	195771890	195775846	3955	-
## 10993	2	195775983	195777800	1816	-
## 10994	2	195777985	195787010	9024	-
## 10995	2	195787171	195794338	7166	-
## 10996	2	195794538	195796576	2037	-
## 10997	2	195796737	195799296	2558	-
## 10998	2	195799472	195806740	7267	-
## 10999	2	195806832	195808682	1849	-
## 11000	2	195808876	195809745	868	-
## 11001	2	195809871	195816628	6756	-
## 11002	2	195816963	195817696	732	-
## 11003	2	195817829	195824255	6425	-
## 11004	2	195824445	195834206	9760	-
## 11005	2	195834360	195845002	10641	-
## 11006	2	195845165	195853343	8177	-
## 11007	2	195853528	195855811	2282	-
## 11008	2	195855991	195857377	1385	-
## 11009	2	195857723	195858474	750	-
## 11010	2	195858804	195861717	2912	-
## 11011	2	195861946	195864149	2202	-
## 11012	2	195865021	195872250	7228	-
## 11013	2	195872469	195873568	1098	-
## 11014	2	195873694	195875675	1980	-
## 11015	2	195875843	195876544	700	-
## 11016	2	195876699	195881795	5095	-
## 11017	2	195881992	195884585	2592	-

## 11018	2	195884809	195886141	1331	-
## 11019	2	195886272	195888258	1985	-
## 11020	2	195888434	195888799	364	-
## 11021	2	195888981	195891655	2673	-
## 11022	2	195891804	195894976	3171	-
## 11023	2	195895224	195897667	2442	-
## 11024	2	195897765	195900282	2516	-
## 11025	2	195900494	195906659	6164	-
## 11026	2	195906786	195906907	120	-
## 11027	2	195907009	195910027	3017	-
## 11028	2	195910195	195922088	11892	-
## 11029	2	195922197	195923595	1397	-
## 11030	2	195923807	195926426	2618	-
## 11031	2	195926566	195934591	8024	-
## 11032	2	195934789	195936599	1809	-
## 11033	2	195936792	195957261	20468	-
## 11034	2	195957447	195960260	2812	-
## 11035	2	195960945	195969948	9002	-
## 11036	2	195970094	195972242	2147	-
## 11037	2	195972466	195984632	12165	-
## 11038	2	195984710	195987066	2355	-
## 11039	2	195987193	195987957	763	-
## 11040	2	195988229	196000704	12474	-
## 11041	2	196000883	196001675	791	-
## 11042	2	196001858	196012787	10928	-
## 11043	2	196012906	196019170	6263	-
## 11044	2	196019295	196024429	5133	-
## 11045	2	196024504	196026760	2255	-
## 11046	2	196026940	196027960	1019	-
## 11047	2	196028047	196047352	19304	-
## 11048	2	196047499	196048296	796	-
## 11049	2	196048404	196051187	2782	-
## 11050	2	196051249	196058054	6804	-
## 11051	2	196271289	196274021	2731	-
## 11052	2	196306612	196307130	517	-
## 11053	2	196307233	196307935	701	-
## 11054	2	196317369	196318552	1182	-
## 11055	2	196319904	196320339	434	-
## 11056	2	196322620	196324980	2359	-
## 11057	2	196325149	196329575	4425	-
## 11058	2	196329650	196334424	4773	-
## 11059	2	196334518	196343657	9138	-
## 11060	2	196343764	196433132	89367	-
## 11061	2	196433458	196592464	159005	-
## 11062	2	196920150	196922103	1952	-
## 11063	2	196922186	196926470	4283	-
## 11064	2	196319904	196322478	2573	-
## 11065	2	196325078	196329575	4496	-
## 11066	2	196343764	196361812	18047	-
## 11067	2	196433458	196593508	160049	-
## 11068	2	197572280	197595991	23710	-
## 11069	2	197615979	197617800	1820	-
## 11070	2	197617921	197631011	13089	-
## 11071	2	197631220	197633718	2497	-

## 11072	2	197633997	197644158	10160	-
## 11073	2	197644272	197646483	2210	-
## 11074	2	197646666	197675320	28653	-
## 11075	2	197250992	197296305	45312	-
## 11076	2	197296399	197296526	126	-
## 11077	2	197296572	197299482	2909	-
## 11078	2	197299535	197300963	1427	-
## 11079	2	197301413	197302233	819	-
## 11080	2	197515684	197523624	7939	+
## 11081	2	197516355	197523624	7268	+
## 11082	2	198301816	198374476	72659	-
## 11083	2	198374617	198374883	265	-
## 11084	2	199456096	199460452	4355	-
## 11085	2	199460532	199464836	4303	-
## 11086	2	199608127	199624532	16404	+
## 11087	2	199624596	199629064	4467	+
## 11088	2	199629146	199629925	778	+
## 11089	2	199630099	199630246	146	+
## 11090	2	199631895	199647674	15778	+
## 11091	2	199647856	199659003	11146	+
## 11092	2	199460532	199471014	10481	-
## 11093	2	200306160	200329431	23270	+
## 11094	2	200306292	200329431	23138	+
## 11095	2	201209562	201228933	19370	+
## 11096	2	201024039	201071610	47570	-
## 11097	2	200780789	200791407	10617	-
## 11098	2	200791525	200797499	5973	-
## 11099	2	200797575	200811785	14209	-
## 11100	2	201024039	201061307	37267	-
## 11101	2	201061424	201071454	10029	-
## 11102	2	200309090	200329431	20340	+
## 11103	2	200329480	200412311	82830	+
## 11104	2	200573977	200575318	1340	+
## 11105	2	201045593	201061307	15713	-
## 11106	2	201024039	201071454	47414	-
## 11107	2	201487902	201495895	7992	-
## 11108	2	201495969	201536021	40051	-
## 11109	2	201536320	201537436	1115	-
## 11110	2	201537479	201545543	8063	-
## 11111	2	201545621	201547505	1883	-
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## 1		NM_000299_intron_0_0_chr1_201283905_f	0		NM_000299
## 2		NM_000299_intron_1_0_chr1_201294046_f	0		NM_000299
## 3		NM_000299_intron_2_0_chr1_201313561_f	0		NM_000299
## 4		NM_000299_intron_3_0_chr1_201316698_f	0		NM_000299
## 5		NM_000299_intron_4_0_chr1_201317780_f	0		NM_000299
## 6		NM_000299_intron_5_0_chr1_201318796_f	0		NM_000299
## 7		NM_000299_intron_6_0_chr1_201319879_f	0		NM_000299
## 8		NM_000299_intron_7_0_chr1_201320382_f	0		NM_000299
## 9		NM_000299_intron_8_0_chr1_201322134_f	0		NM_000299
## 10		NM_000299_intron_9_0_chr1_201323190_f	0		NM_000299
## 11		NM_000299_intron_10_0_chr1_201324582_f	0		NM_000299
## 12		NM_000299_intron_11_0_chr1_201325128_f	0		NM_000299
## 13		NM_000299_intron_12_0_chr1_201325839_f	0		NM_000299

## 14	NM_000299_intron_13_0_chr1_201328869_f	0	NM_000299
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## 16	NM_001276351_intron_5_0_chr1_67095422_r	0	NM_001276351
## 17	NM_001276351_intron_4_0_chr1_67096322_r	0	NM_001276351
## 18	NM_001276351_intron_0_0_chr1_67131228_r	0	NM_001276351
## 19	NM_001005337_intron_5_0_chr1_201318796_f	0	NM_001005337
## 20	NM_001276352_intron_7_0_chr1_67093605_r	0	NM_001276352
## 21	NM_001276352_intron_6_0_chr1_67096322_r	0	NM_001276352
## 22	NM_001276352_intron_5_0_chr1_67103383_r	0	NM_001276352
## 23	NM_001276352_intron_4_0_chr1_67111645_r	0	NM_001276352
## 24	NR_075077_intron_5_0_chr1_67111645_r	0	NR_075077
## 25	NR_075077_intron_4_0_chr1_67113757_r	0	NR_075077
## 26	NM_012102_intron_1_0_chr1_8656442_r	0	NM_012102
## 27	NM_012102_intron_0_0_chr1_8792589_r	0	NM_012102
## 28	NM_001281956_intron_69_0_chr1_33516571_r	0	NM_001281956
## 29	NM_001281956_intron_68_0_chr1_33519678_r	0	NM_001281956
## 30	NM_001281956_intron_67_0_chr1_33519951_r	0	NM_001281956
## 31	NM_001281956_intron_66_0_chr1_33521551_r	0	NM_001281956
## 32	NM_001281956_intron_65_0_chr1_33523420_r	0	NM_001281956
## 33	NM_001281956_intron_64_0_chr1_33525044_r	0	NM_001281956
## 34	NM_001281956_intron_63_0_chr1_33527259_r	0	NM_001281956
## 35	NM_001281956_intron_62_0_chr1_33533230_r	0	NM_001281956
## 36	NM_001281956_intron_61_0_chr1_33533908_r	0	NM_001281956
## 37	NM_001281956_intron_60_0_chr1_33537096_r	0	NM_001281956
## 38	NM_001281956_intron_59_0_chr1_33537610_r	0	NM_001281956
## 39	NM_001281956_intron_58_0_chr1_33540699_r	0	NM_001281956
## 40	NM_001281956_intron_57_0_chr1_33541310_r	0	NM_001281956
## 41	NM_001281956_intron_56_0_chr1_33542897_r	0	NM_001281956
## 42	NM_001281956_intron_55_0_chr1_33546220_r	0	NM_001281956
## 43	NM_001281956_intron_54_0_chr1_33550351_r	0	NM_001281956
## 44	NM_001281956_intron_53_0_chr1_33557923_r	0	NM_001281956
## 45	NM_001281956_intron_52_0_chr1_33559474_r	0	NM_001281956
## 46	NM_001281956_intron_51_0_chr1_33567842_r	0	NM_001281956
## 47	NM_001281956_intron_50_0_chr1_33569548_r	0	NM_001281956
## 48	NM_001281956_intron_49_0_chr1_33571727_r	0	NM_001281956
## 49	NM_001281956_intron_48_0_chr1_33572692_r	0	NM_001281956
## 50	NM_001281956_intron_47_0_chr1_33577485_r	0	NM_001281956
## 51	NM_001281956_intron_46_0_chr1_33580900_r	0	NM_001281956
## 52	NM_001281956_intron_45_0_chr1_33583831_r	0	NM_001281956
## 53	NM_001281956_intron_44_0_chr1_33586618_r	0	NM_001281956
## 54	NM_001281956_intron_43_0_chr1_33587169_r	0	NM_001281956
## 55	NM_001281956_intron_42_0_chr1_33601011_r	0	NM_001281956
## 56	NM_001281956_intron_41_0_chr1_33602547_r	0	NM_001281956
## 57	NM_001281956_intron_40_0_chr1_33605471_r	0	NM_001281956
## 58	NM_001281956_intron_39_0_chr1_33611251_r	0	NM_001281956
## 59	NM_001281956_intron_38_0_chr1_33614621_r	0	NM_001281956
## 60	NM_001281956_intron_37_0_chr1_33616976_r	0	NM_001281956
## 61	NM_001281956_intron_36_0_chr1_33617618_r	0	NM_001281956
## 62	NM_001281956_intron_35_0_chr1_33622272_r	0	NM_001281956
## 63	NM_001281956_intron_34_0_chr1_33623467_r	0	NM_001281956
## 64	NM_001281956_intron_33_0_chr1_33624644_r	0	NM_001281956
## 65	NM_001281956_intron_32_0_chr1_33625255_r	0	NM_001281956
## 66	NM_001281956_intron_31_0_chr1_33626582_r	0	NM_001281956
## 67	NM_001281956_intron_30_0_chr1_33633536_r	0	NM_001281956

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## 69	NM_001281956_intron_28_0_chr1_33636555_r	0 NM_001281956
## 70	NM_001281956_intron_27_0_chr1_33646836_r	0 NM_001281956
## 71	NM_001281956_intron_26_0_chr1_33652462_r	0 NM_001281956
## 72	NM_001281956_intron_25_0_chr1_33658138_r	0 NM_001281956
## 73	NM_001281956_intron_24_0_chr1_33663093_r	0 NM_001281956
## 74	NM_001281956_intron_23_0_chr1_33693057_r	0 NM_001281956
## 75	NM_001281956_intron_22_0_chr1_33698945_r	0 NM_001281956
## 76	NM_001281956_intron_21_0_chr1_33700674_r	0 NM_001281956
## 77	NM_001281956_intron_20_0_chr1_33709259_r	0 NM_001281956
## 78	NM_001281956_intron_19_0_chr1_33714776_r	0 NM_001281956
## 79	NM_001281956_intron_18_0_chr1_33716502_r	0 NM_001281956
## 80	NM_001281956_intron_17_0_chr1_33724314_r	0 NM_001281956
## 81	NM_001281956_intron_16_0_chr1_33724705_r	0 NM_001281956
## 82	NM_001281956_intron_15_0_chr1_33725537_r	0 NM_001281956
## 83	NM_001281956_intron_14_0_chr1_33726686_r	0 NM_001281956
## 84	NM_001281956_intron_13_0_chr1_33739335_r	0 NM_001281956
## 85	NM_001281956_intron_12_0_chr1_33743607_r	0 NM_001281956
## 86	NM_001281956_intron_11_0_chr1_33772752_r	0 NM_001281956
## 87	NM_001281956_intron_10_0_chr1_33788713_r	0 NM_001281956
## 88	NM_001281956_intron_9_0_chr1_33792527_r	0 NM_001281956
## 89	NM_001281956_intron_8_0_chr1_33810865_r	0 NM_001281956
## 90	NM_001281956_intron_7_0_chr1_33819838_r	0 NM_001281956
## 91	NM_001281956_intron_6_0_chr1_33820557_r	0 NM_001281956
## 92	NM_001281956_intron_5_0_chr1_33825775_r	0 NM_001281956
## 93	NM_001281956_intron_4_0_chr1_33846997_r	0 NM_001281956
## 94	NM_001281956_intron_3_0_chr1_33918302_r	0 NM_001281956
## 95	NM_001281956_intron_2_0_chr1_33935955_r	0 NM_001281956
## 96	NM_001281956_intron_1_0_chr1_34032707_r	0 NM_001281956
## 97	NM_001281956_intron_0_0_chr1_34089194_r	0 NM_001281956
## 98	NM_052896_intron_53_0_chr1_33550351_r	0 NM_052896
## 99	NM_052896_intron_52_0_chr1_33567767_r	0 NM_052896
## 100	NM_052896_intron_41_0_chr1_33605471_r	0 NM_052896
## 101	NM_052896_intron_40_0_chr1_33605989_r	0 NM_052896
## 102	NM_052896_intron_0_0_chr1_34089194_r	0 NM_052896
## 103	NM_001130058_intron_2_0_chr1_75339631_r	0 NM_001130058
## 104	NM_001130058_intron_1_0_chr1_75396622_r	0 NM_001130058
## 105	NM_001130058_intron_0_0_chr1_75541517_r	0 NM_001130058
## 106	NM_001350214_intron_1_0_chr1_83952388_r	0 NM_001350214
## 107	NM_001350214_intron_0_0_chr1_83956916_r	0 NM_001350214
## 108	NM_001320287_intron_4_0_chr1_75300686_r	0 NM_001320287
## 109	NM_001320287_intron_3_0_chr1_75311706_r	0 NM_001320287
## 110	NM_001350215_intron_0_0_chr1_83951977_r	0 NM_001350215
## 111	NM_001320285_intron_2_0_chr1_75396622_r	0 NM_001320285
## 112	NM_001320285_intron_1_0_chr1_75398422_r	0 NM_001320285
## 113	NR_135089_intron_12_0_chr1_92263733_r	0 NR_135089
## 114	NM_001320283_intron_20_0_chr1_75206720_r	0 NM_001320283
## 115	NM_001320283_intron_0_0_chr1_75339631_r	0 NM_001320283
## 116	NR_126003_intron_1_0_chr1_192935904_r	0 NR_126003
## 117	NR_126003_intron_0_0_chr1_192937421_r	0 NR_126003
## 118	NM_001350249_intron_0_0_chr1_243256241_f	0 NM_001350249
## 119	NR_134509_intron_0_0_chr1_209663062_r	0 NR_134509
## 120	NR_134510_intron_0_0_chr1_209663062_r	0 NR_134510
## 121	NM_181755_intron_0_0_chr1_209686286_f	0 NM_181755

## 122	NM_001206741_intron_0_0_chr1_209686286_f	0	NM_001206741
## 123	NM_001350246_intron_7_0_chr1_243305124_f	0	NM_001350246
## 124	NM_001350251_intron_8_0_chr1_243305289_f	0	NM_001350251
## 125	NM_015215_intron_4_0_chr1_7249627_f	0	NM_015215
## 126	NM_015215_intron_5_0_chr1_7467902_f	0	NM_015215
## 127	NM_015215_intron_6_0_chr1_7640554_f	0	NM_015215
## 128	NM_015215_intron_7_0_chr1_7661867_f	0	NM_015215
## 129	NM_015215_intron_8_0_chr1_7665200_f	0	NM_015215
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## 131	NM_015215_intron_10_0_chr1_7677734_f	0	NM_015215
## 132	NM_015215_intron_20_0_chr1_7752534_f	0	NM_015215
## 133	NM_015215_intron_21_0_chr1_7755669_f	0	NM_015215
## 134	NM_001350804_intron_0_0_chr1_2073930_f	0	NM_001350804
## 135	NM_001350804_intron_1_0_chr1_2098556_f	0	NM_001350804
## 136	NM_001350804_intron_7_0_chr1_2156093_f	0	NM_001350804
## 137	NM_001364727_intron_0_0_chr1_1034704_f	0	NM_001364727
## 138	NM_001364727_intron_28_0_chr1_1050838_f	0	NM_001364727
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## 141	NM_001349610_intron_18_0_chr1_7747782_f	0	NM_001349610
## 142	NM_001349610_intron_19_0_chr1_7749792_f	0	NM_001349610
## 143	NM_001349610_intron_20_0_chr1_7751393_f	0	NM_001349610
## 144	NM_181865_intron_0_0_chr1_6349867_r	0	NM_181865
## 145	NM_181864_intron_0_0_chr1_6349867_r	0	NM_181864
## 146	NM_001350805_intron_0_0_chr1_2074276_f	0	NM_001350805
## 147	NM_001305275_intron_33_0_chr1_1051816_f	0	NM_001305275
## 148	NM_001305275_intron_34_0_chr1_1052017_f	0	NM_001305275
## 149	NM_001305275_intron_35_0_chr1_1053494_f	0	NM_001305275
## 150	NR_146911_intron_12_0_chr1_2175314_f	0	NR_146911
## 151	NR_146911_intron_13_0_chr1_2181915_f	0	NR_146911
## 152	NM_015209_intron_0_0_chr1_14599224_f	0	NM_015209
## 153	NM_001370230_intron_0_0_chr1_14599064_f	0	NM_001370230
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## 155	NM_001324370_intron_0_0_chr1_12580667_r	0	NM_001324370
## 156	NM_020780_intron_0_0_chr1_11479373_f	0	NM_020780
## 157	NM_020780_intron_1_0_chr1_11502089_f	0	NM_020780
## 158	NM_020780_intron_2_0_chr1_11502898_f	0	NM_020780
## 159	NM_020780_intron_3_0_chr1_11514527_f	0	NM_020780
## 160	NM_020780_intron_4_0_chr1_11515504_f	0	NM_020780
## 161	NM_020780_intron_5_0_chr1_11516162_f	0	NM_020780
## 162	NM_020780_intron_6_0_chr1_11517603_f	0	NM_020780
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## 167	NM_020780_intron_11_0_chr1_11525313_f	0	NM_020780
## 168	NM_020780_intron_12_0_chr1_11526836_f	0	NM_020780
## 169	NM_020780_intron_13_0_chr1_11529687_f	0	NM_020780
## 170	NM_020780_intron_14_0_chr1_11529960_f	0	NM_020780
## 171	NM_020780_intron_15_0_chr1_11531034_f	0	NM_020780
## 172	NM_020780_intron_16_0_chr1_11531711_f	0	NM_020780
## 173	NM_020780_intron_17_0_chr1_11534541_f	0	NM_020780
## 174	NM_020780_intron_18_0_chr1_11535125_f	0	NM_020780
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## 176	NM_201628_intron_7_0_chr1_15065754_f	0	NM_201628
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## 182	NM_201628_intron_13_0_chr1_15112542_f	0	NM_201628
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## 185	NM_001161504_intron_0_0_chr1_18890106_r	0	NM_001161504
## 186	NM_001198803_intron_0_0_chr1_21111384_r	0	NM_001198803
## 187	NM_003760_intron_0_0_chr1_21050995_r	0	NM_003760
## 188	NM_001198802_intron_5_0_chr1_20981228_r	0	NM_001198802
## 189	NM_001198802_intron_4_0_chr1_20982409_r	0	NM_001198802
## 190	NM_014589_intron_2_0_chr1_19920450_r	0	NM_014589
## 191	NM_014589_intron_1_0_chr1_19922405_r	0	NM_014589
## 192	NM_014589_intron_0_0_chr1_19922756_r	0	NM_014589
## 193	NR_132401_intron_4_0_chr1_39848098_r	0	NR_132401
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## 195	NR_132404_intron_4_0_chr1_39847657_r	0	NR_132404
## 196	NR_132407_intron_0_0_chr1_39850262_r	0	NR_132407
## 197	NR_132409_intron_0_0_chr1_39848098_r	0	NR_132409
## 198	NR_132413_intron_0_0_chr1_39844641_r	0	NR_132413
## 199	NR_132414_intron_0_0_chr1_39841914_r	0	NR_132414
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## 202	NM_001099439_intron_13_0_chr1_37719608_r	0	NM_001099439
## 203	NM_001099439_intron_12_0_chr1_37720059_r	0	NM_001099439
## 204	NM_001099439_intron_11_0_chr1_37720555_r	0	NM_001099439
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## 207	NM_001099439_intron_8_0_chr1_37723167_r	0	NM_001099439
## 208	NM_001099439_intron_7_0_chr1_37723373_r	0	NM_001099439
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## 213	NM_001099439_intron_2_0_chr1_37754371_r	0	NM_001099439
## 214	NM_001099439_intron_1_0_chr1_37762084_r	0	NM_001099439
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## 217	NR_125987_intron_0_0_chr1_46133391_f	0	NR_125987
## 218	NR_125987_intron_1_0_chr1_46134655_f	0	NR_125987
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## 220	NM_001323574_intron_11_0_chr1_48534917_r	0	NM_001323574
## 221	NM_001323574_intron_10_0_chr1_48539739_r	0	NM_001323574
## 222	NM_001323574_intron_9_0_chr1_48587167_r	0	NM_001323574
## 223	NM_001323574_intron_8_0_chr1_48590986_r	0	NM_001323574
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## 225	NM_001323574_intron_5_0_chr1_48663242_r	0	NM_001323574
## 226	NM_001323574_intron_2_0_chr1_49245865_r	0	NM_001323574
## 227	NM_001323574_intron_1_0_chr1_49697438_r	0	NM_001323574
## 228	NM_001323574_intron_0_0_chr1_49851519_r	0	NM_001323574
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## 230	NM_001323575_intron_2_0_chr1_49245865_r	0 NM_001323575
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## 234	NM_001011547_intron_3_0_chr1_48229460_f	0 NM_001011547
## 235	NM_001011547_intron_4_0_chr1_48230706_f	0 NM_001011547
## 236	NM_001011547_intron_5_0_chr1_48231626_f	0 NM_001011547
## 237	NM_001011547_intron_6_0_chr1_48232152_f	0 NM_001011547
## 238	NM_001011547_intron_7_0_chr1_48232503_f	0 NM_001011547
## 239	NM_001011547_intron_8_0_chr1_48233763_f	0 NM_001011547
## 240	NM_001011547_intron_9_0_chr1_48235880_f	0 NM_001011547
## 241	NM_001011547_intron_10_0_chr1_48237848_f	0 NM_001011547
## 242	NM_001011547_intron_11_0_chr1_48239538_f	0 NM_001011547
## 243	NM_001011547_intron_12_0_chr1_48242617_f	0 NM_001011547
## 244	NM_001135181_intron_2_0_chr1_48228955_f	0 NM_001135181
## 245	NM_001135181_intron_3_0_chr1_48229178_f	0 NM_001135181
## 246	NM_001303427_intron_0_0_chr1_46080751_r	0 NM_001303427
## 247	NM_020883_intron_12_0_chr1_45019317_r	0 NM_020883
## 248	NM_020883_intron_0_0_chr1_45088238_r	0 NM_020883
## 249	NR_136623_intron_5_0_chr1_48663242_r	0 NR_136623
## 250	NR_136623_intron_4_0_chr1_48689904_r	0 NR_136623
## 251	NR_136623_intron_1_0_chr1_49245865_r	0 NR_136623
## 252	NM_001328648_intron_0_0_chr1_46080751_r	0 NM_001328648
## 253	NM_001379462_intron_16_0_chr1_56998129_r	0 NM_001379462
## 254	NM_001379462_intron_15_0_chr1_57010791_r	0 NM_001379462
## 255	NM_001379462_intron_14_0_chr1_57011273_r	0 NM_001379462
## 256	NM_001379462_intron_13_0_chr1_57015432_r	0 NM_001379462
## 257	NM_001379462_intron_12_0_chr1_57023640_r	0 NM_001379462
## 258	NM_001379462_intron_11_0_chr1_57026044_r	0 NM_001379462
## 259	NM_001379462_intron_10_0_chr1_57062944_r	0 NM_001379462
## 260	NM_001379462_intron_9_0_chr1_57069426_r	0 NM_001379462
## 261	NM_001379462_intron_8_0_chr1_57071062_r	0 NM_001379462
## 262	NM_001379462_intron_7_0_chr1_57071642_r	0 NM_001379462
## 263	NM_001379462_intron_6_0_chr1_57072415_r	0 NM_001379462
## 264	NM_001379462_intron_5_0_chr1_57136642_r	0 NM_001379462
## 265	NM_001379462_intron_4_0_chr1_57145430_r	0 NM_001379462
## 266	NM_001379462_intron_3_0_chr1_57291167_r	0 NM_001379462
## 267	NM_001379462_intron_2_0_chr1_57649666_r	0 NM_001379462
## 268	NM_001379462_intron_1_0_chr1_57884163_r	0 NM_001379462
## 269	NM_001379462_intron_0_0_chr1_57970866_r	0 NM_001379462
## 270	NM_001379461_intron_14_0_chr1_57026044_r	0 NM_001379461
## 271	NM_001379461_intron_4_0_chr1_57884163_r	0 NM_001379461
## 272	NM_001379461_intron_3_0_chr1_58150589_r	0 NM_001379461
## 273	NM_001379461_intron_2_0_chr1_58343404_r	0 NM_001379461
## 274	NM_001379461_intron_0_0_chr1_58527336_r	0 NM_001379461
## 275	NM_021080_intron_0_0_chr1_57884163_r	0 NM_021080
## 276	NR_110628_intron_4_0_chr1_60661471_r	0 NR_110628
## 277	NR_110628_intron_3_0_chr1_60663026_r	0 NR_110628
## 278	NR_110628_intron_2_0_chr1_60729668_r	0 NR_110628
## 279	NR_110628_intron_1_0_chr1_60732509_r	0 NR_110628
## 280	NR_110628_intron_0_0_chr1_60733523_r	0 NR_110628
## 281	NM_001297441_intron_0_0_chr1_65913364_f	0 NM_001297441
## 282	NM_001297441_intron_1_0_chr1_65913404_f	0 NM_001297441
## 283	NM_001297441_intron_2_0_chr1_66247655_f	0 NM_001297441

## 284	NM_001297441_intron_3_0_chr1_66257684_f	0 NM_001297441
## 285	NM_001297441_intron_4_0_chr1_66257864_f	0 NM_001297441
## 286	NM_001297441_intron_5_0_chr1_66266088_f	0 NM_001297441
## 287	NM_001321853_intron_1_0_chr1_64957018_r	0 NM_001321853
## 288	NM_001321853_intron_0_0_chr1_65066803_r	0 NM_001321853
## 289	NM_002600_intron_0_0_chr1_65793249_f	0 NM_002600
## 290	NM_002600_intron_2_0_chr1_65918836_f	0 NM_002600
## 291	NM_001037341_intron_0_0_chr1_65792631_f	0 NM_001037341
## 292	NM_005012_intron_0_0_chr1_63774509_f	0 NM_005012
## 293	NM_005012_intron_1_0_chr1_64009377_f	0 NM_005012
## 294	NM_005012_intron_2_0_chr1_64049979_f	0 NM_005012
## 295	NM_005012_intron_3_0_chr1_64050717_f	0 NM_005012
## 296	NM_005012_intron_4_0_chr1_64137497_f	0 NM_005012
## 297	NM_005012_intron_5_0_chr1_64140427_f	0 NM_005012
## 298	NM_005012_intron_6_0_chr1_64142651_f	0 NM_005012
## 299	NM_005012_intron_7_0_chr1_64159193_f	0 NM_005012
## 300	NM_001297440_intron_1_0_chr1_65913357_f	0 NM_001297440
## 301	NM_001037340_intron_0_0_chr1_65993143_f	0 NM_001037340
## 302	NM_001321852_intron_0_0_chr1_64886342_r	0 NM_001321852
## 303	NM_001321854_intron_1_0_chr1_64886342_r	0 NM_001321854
## 304	NR_040077_intron_0_0_chr1_67832437_f	0 NR_040077
## 305	NR_040077_intron_1_0_chr1_68034764_f	0 NR_040077
## 306	NR_040077_intron_2_0_chr1_68071874_f	0 NR_040077
## 307	NR_040077_intron_3_0_chr1_68098837_f	0 NR_040077
## 308	NR_040077_intron_4_0_chr1_68099793_f	0 NR_040077
## 309	NR_040077_intron_5_0_chr1_68100775_f	0 NR_040077
## 310	NR_040077_intron_6_0_chr1_68117733_f	0 NR_040077
## 311	NR_040077_intron_7_0_chr1_68121242_f	0 NR_040077
## 312	NR_040077_intron_8_0_chr1_68138451_f	0 NR_040077
## 313	NM_001193334_intron_0_0_chr1_68159248_r	0 NM_001193334
## 314	NM_001112808_intron_18_0_chr1_74370393_f	0 NM_001112808
## 315	NM_001112808_intron_19_0_chr1_74436133_f	0 NM_001112808
## 316	NM_001112808_intron_20_0_chr1_74436527_f	0 NM_001112808
## 317	NM_001112808_intron_21_0_chr1_74439623_f	0 NM_001112808
## 318	NM_001112808_intron_22_0_chr1_74463551_f	0 NM_001112808
## 319	NM_001112808_intron_23_0_chr1_74489249_f	0 NM_001112808
## 320	NM_001112808_intron_24_0_chr1_74492267_f	0 NM_001112808
## 321	NM_001112808_intron_25_0_chr1_74540314_f	0 NM_001112808
## 322	NM_001002292_intron_0_0_chr1_68194222_r	0 NM_001002292
## 323	NM_001199327_intron_22_0_chr1_74463551_f	0 NM_001199327
## 324	NM_015978_intron_0_0_chr1_74235492_f	0 NM_015978
## 325	NM_001366004_intron_0_0_chr1_81306510_f	0 NM_001366004
## 326	NM_001366004_intron_1_0_chr1_81414352_f	0 NM_001366004
## 327	NM_001366004_intron_2_0_chr1_81445090_f	0 NM_001366004
## 328	NM_001366004_intron_3_0_chr1_81580981_f	0 NM_001366004
## 329	NM_001366004_intron_4_0_chr1_81699809_f	0 NM_001366004
## 330	NM_001366004_intron_5_0_chr1_81761853_f	0 NM_001366004
## 331	NM_001366004_intron_8_0_chr1_81936838_f	0 NM_001366004
## 332	NM_001366004_intron_9_0_chr1_81942046_f	0 NM_001366004
## 333	NM_001366004_intron_13_0_chr1_81952143_f	0 NM_001366004
## 334	NM_001366004_intron_14_0_chr1_81953026_f	0 NM_001366004
## 335	NM_001366004_intron_25_0_chr1_81985356_f	0 NM_001366004
## 336	NM_001366004_intron_26_0_chr1_81987030_f	0 NM_001366004
## 337	NM_001376155_intron_0_0_chr1_77641656_r	0 NM_001376155

## 338	NM_001349111_intron_0_0_chr1_76074885_f	0	NM_001349111
## 339	NM_001349111_intron_1_0_chr1_76309613_f	0	NM_001349111
## 340	NM_001366008_intron_0_0_chr1_81306510_f	0	NM_001366008
## 341	NM_001366008_intron_2_0_chr1_81580981_f	0	NM_001366008
## 342	NM_001366008_intron_24_0_chr1_81987030_f	0	NM_001366008
## 343	NM_001366008_intron_25_0_chr1_81989710_f	0	NM_001366008
## 344	NM_001349105_intron_0_0_chr1_76074885_f	0	NM_001349105
## 345	NM_001349105_intron_1_0_chr1_76412418_f	0	NM_001349105
## 346	NM_001366003_intron_0_0_chr1_81306510_f	0	NM_001366003
## 347	NM_001366003_intron_1_0_chr1_81326776_f	0	NM_001366003
## 348	NM_001349110_intron_2_0_chr1_76412418_f	0	NM_001349110
## 349	NM_001349109_intron_2_0_chr1_76412418_f	0	NM_001349109
## 350	NM_001349106_intron_1_0_chr1_76309613_f	0	NM_001349106
## 351	NR_146056_intron_2_0_chr1_76412418_f	0	NR_146056
## 352	NR_146056_intron_3_0_chr1_76577342_f	0	NR_146056
## 353	NR_164777_intron_3_0_chr1_77584830_r	0	NR_164777
## 354	NR_146343_intron_19_0_chr1_85987655_r	0	NR_146343
## 355	NR_146343_intron_18_0_chr1_86004094_r	0	NR_146343
## 356	NR_146344_intron_51_0_chr1_85761567_r	0	NR_146344
## 357	NR_146344_intron_23_0_chr1_85961294_r	0	NR_146344
## 358	NR_146344_intron_22_0_chr1_85964304_r	0	NR_146344
## 359	NR_146344_intron_21_0_chr1_85965063_r	0	NR_146344
## 360	NM_001349955_intron_8_0_chr1_86057976_r	0	NM_001349955
## 361	NR_031666_intron_3_0_chr1_99517008_r	0	NR_031666
## 362	NR_031666_intron_2_0_chr1_99517143_r	0	NR_031666
## 363	NR_031666_intron_1_0_chr1_99547719_r	0	NR_031666
## 364	NR_031666_intron_0_0_chr1_99554017_r	0	NR_031666
## 365	NR_126382_intron_1_0_chr1_110109029_f	0	NR_126382
## 366	NR_157569_intron_0_0_chr1_115283241_f	0	NR_157569
## 367	NM_001160234_intron_0_0_chr1_116383554_f	0	NM_001160234
## 368	NR_144517_intron_40_0_chr1_120471034_r	0	NR_144517
## 369	NR_144517_intron_39_0_chr1_120489917_r	0	NR_144517
## 370	NR_144517_intron_34_0_chr1_120497422_r	0	NR_144517
## 371	NR_144517_intron_14_0_chr1_120542087_r	0	NR_144517
## 372	NR_144517_intron_5_0_chr1_120573190_r	0	NR_144517
## 373	NR_144517_intron_3_0_chr1_120579195_r	0	NR_144517
## 374	NR_144516_intron_31_0_chr1_120505963_r	0	NR_144516
## 375	NR_144516_intron_30_0_chr1_120509671_r	0	NR_144516
## 376	NR_144516_intron_2_0_chr1_120641760_r	0	NR_144516
## 377	NR_144516_intron_1_0_chr1_120643765_r	0	NR_144516
## 378	NM_014644_intron_30_0_chr1_149010596_f	0	NM_014644
## 379	NM_014644_intron_31_0_chr1_149012777_f	0	NM_014644
## 380	NM_014644_intron_41_0_chr1_149029926_f	0	NM_014644
## 381	NR_104189_intron_0_0_chr1_144641512_f	0	NR_104189
## 382	NR_104189_intron_1_0_chr1_144641794_f	0	NR_104189
## 383	NR_104189_intron_2_0_chr1_144917307_f	0	NR_104189
## 384	NR_103556_intron_0_0_chr1_146486775_f	0	NR_103556
## 385	NR_103556_intron_1_0_chr1_146505413_f	0	NR_103556
## 386	NR_103556_intron_2_0_chr1_146506890_f	0	NR_103556
## 387	NR_103556_intron_3_0_chr1_146516447_f	0	NR_103556
## 388	NR_103556_intron_4_0_chr1_146524850_f	0	NR_103556
## 389	NR_103556_intron_5_0_chr1_146525449_f	0	NR_103556
## 390	NR_103556_intron_6_0_chr1_146526781_f	0	NR_103556
## 391	NR_103556_intron_7_0_chr1_146527759_f	0	NR_103556

## 392	NR_103556_intron_8_0_chr1_146533385_f	0	NR_103556
## 393	NR_103556_intron_9_0_chr1_146537421_f	0	NR_103556
## 394	NR_103556_intron_10_0_chr1_146547569_f	0	NR_103556
## 395	NR_103556_intron_11_0_chr1_146557469_f	0	NR_103556
## 396	NR_103556_intron_12_0_chr1_146574035_f	0	NR_103556
## 397	NR_103556_intron_13_0_chr1_146581233_f	0	NR_103556
## 398	NR_103556_intron_14_0_chr1_146595172_f	0	NR_103556
## 399	NR_103556_intron_15_0_chr1_146617148_f	0	NR_103556
## 400	NR_103556_intron_16_0_chr1_146622667_f	0	NR_103556
## 401	NR_103556_intron_17_0_chr1_146631077_f	0	NR_103556
## 402	NR_103556_intron_18_0_chr1_146641697_f	0	NR_103556
## 403	NR_103556_intron_19_0_chr1_146643675_f	0	NR_103556
## 404	NR_103556_intron_20_0_chr1_146646261_f	0	NR_103556
## 405	NR_103556_intron_21_0_chr1_146648797_f	0	NR_103556
## 406	NR_103556_intron_22_0_chr1_146650452_f	0	NR_103556
## 407	NR_103556_intron_23_0_chr1_146679248_f	0	NR_103556
## 408	NR_103556_intron_24_0_chr1_146683340_f	0	NR_103556
## 409	NR_103556_intron_25_0_chr1_146691103_f	0	NR_103556
## 410	NR_103556_intron_26_0_chr1_146693144_f	0	NR_103556
## 411	NR_103556_intron_27_0_chr1_146725272_f	0	NR_103556
## 412	NR_103556_intron_28_0_chr1_146728958_f	0	NR_103556
## 413	NR_103556_intron_29_0_chr1_146729427_f	0	NR_103556
## 414	NR_103556_intron_30_0_chr1_146732171_f	0	NR_103556
## 415	NR_103556_intron_31_0_chr1_146735973_f	0	NR_103556
## 416	NR_103556_intron_32_0_chr1_146738463_f	0	NR_103556
## 417	NR_103556_intron_33_0_chr1_146742239_f	0	NR_103556
## 418	NR_103556_intron_34_0_chr1_146742841_f	0	NR_103556
## 419	NR_103556_intron_35_0_chr1_146743202_f	0	NR_103556
## 420	NR_103556_intron_36_0_chr1_146743546_f	0	NR_103556
## 421	NR_103556_intron_37_0_chr1_146744032_f	0	NR_103556
## 422	NR_103556_intron_38_0_chr1_146746850_f	0	NR_103556
## 423	NR_103556_intron_39_0_chr1_146752703_f	0	NR_103556
## 424	NR_103556_intron_40_0_chr1_146755470_f	0	NR_103556
## 425	NR_103556_intron_41_0_chr1_146757782_f	0	NR_103556
## 426	NR_103556_intron_42_0_chr1_146762056_f	0	NR_103556
## 427	NR_103556_intron_43_0_chr1_146773715_f	0	NR_103556
## 428	NR_103556_intron_44_0_chr1_146776737_f	0	NR_103556
## 429	NR_103556_intron_45_0_chr1_146779405_f	0	NR_103556
## 430	NR_103556_intron_46_0_chr1_146781783_f	0	NR_103556
## 431	NR_103556_intron_47_0_chr1_146794695_f	0	NR_103556
## 432	NR_103556_intron_48_0_chr1_146806640_f	0	NR_103556
## 433	NR_103556_intron_49_0_chr1_146807041_f	0	NR_103556
## 434	NR_103556_intron_50_0_chr1_146807921_f	0	NR_103556
## 435	NR_103556_intron_51_0_chr1_146811363_f	0	NR_103556
## 436	NR_103556_intron_52_0_chr1_146811643_f	0	NR_103556
## 437	NR_103556_intron_53_0_chr1_146814557_f	0	NR_103556
## 438	NR_103556_intron_54_0_chr1_146819590_f	0	NR_103556
## 439	NM_022359_intron_0_0_chr1_148808738_f	0	NM_022359
## 440	NM_001350521_intron_40_0_chr1_149024685_f	0	NM_001350521
## 441	NM_001350521_intron_44_0_chr1_149030279_f	0	NM_001350521
## 442	NM_001195261_intron_0_0_chr1_148889530_f	0	NM_001195261
## 443	NM_001350522_intron_39_0_chr1_149021154_f	0	NM_001350522
## 444	NM_001350522_intron_43_0_chr1_149030279_f	0	NM_001350522
## 445	NM_001350522_intron_44_0_chr1_149031225_f	0	NM_001350522

## 446	NM_001002812_intron_21_0_chr1_148991974_f	0 NM_001002812
## 447	NM_001195260_intron_0_0_chr1_148887402_f	0 NM_001195260
## 448	NM_001204295_intron_2_0_chr1_155187545_r	0 NM_001204295
## 449	NM_001159484_intron_36_0_chr1_153992936_r	0 NM_001159484
## 450	NM_001159484_intron_35_0_chr1_153993090_r	0 NM_001159484
## 451	NM_001159484_intron_34_0_chr1_153995181_r	0 NM_001159484
## 452	NM_001159484_intron_33_0_chr1_154010122_r	0 NM_001159484
## 453	NM_001159484_intron_32_0_chr1_154012371_r	0 NM_001159484
## 454	NM_001159484_intron_31_0_chr1_154019070_r	0 NM_001159484
## 455	NM_001159484_intron_30_0_chr1_154022344_r	0 NM_001159484
## 456	NM_001159484_intron_29_0_chr1_154023298_r	0 NM_001159484
## 457	NM_001159484_intron_28_0_chr1_154025717_r	0 NM_001159484
## 458	NM_001159484_intron_27_0_chr1_154027598_r	0 NM_001159484
## 459	NM_001159484_intron_26_0_chr1_154030055_r	0 NM_001159484
## 460	NM_001159484_intron_25_0_chr1_154046201_r	0 NM_001159484
## 461	NM_001159484_intron_24_0_chr1_154046370_r	0 NM_001159484
## 462	NM_001159484_intron_23_0_chr1_154054408_r	0 NM_001159484
## 463	NM_001159484_intron_22_0_chr1_154054833_r	0 NM_001159484
## 464	NM_001159484_intron_21_0_chr1_154056948_r	0 NM_001159484
## 465	NM_001159484_intron_20_0_chr1_154058217_r	0 NM_001159484
## 466	NM_001159484_intron_19_0_chr1_154058694_r	0 NM_001159484
## 467	NM_001159484_intron_18_0_chr1_154060642_r	0 NM_001159484
## 468	NM_001159484_intron_17_0_chr1_154061047_r	0 NM_001159484
## 469	NM_001159484_intron_16_0_chr1_154061675_r	0 NM_001159484
## 470	NM_001159484_intron_15_0_chr1_154070466_r	0 NM_001159484
## 471	NM_001159484_intron_14_0_chr1_154089595_r	0 NM_001159484
## 472	NM_001159484_intron_13_0_chr1_154095157_r	0 NM_001159484
## 473	NM_001159484_intron_12_0_chr1_154100144_r	0 NM_001159484
## 474	NM_001159484_intron_11_0_chr1_154104211_r	0 NM_001159484
## 475	NM_001159484_intron_10_0_chr1_154117881_r	0 NM_001159484
## 476	NM_001159484_intron_9_0_chr1_154118809_r	0 NM_001159484
## 477	NM_001159484_intron_8_0_chr1_154126464_r	0 NM_001159484
## 478	NM_001159484_intron_7_0_chr1_154127418_r	0 NM_001159484
## 479	NM_001159484_intron_6_0_chr1_154129346_r	0 NM_001159484
## 480	NM_001159484_intron_5_0_chr1_154135973_r	0 NM_001159484
## 481	NM_001159484_intron_4_0_chr1_154138239_r	0 NM_001159484
## 482	NM_001159484_intron_3_0_chr1_154139953_r	0 NM_001159484
## 483	NM_001159484_intron_2_0_chr1_154141525_r	0 NM_001159484
## 484	NM_001159484_intron_1_0_chr1_154143578_r	0 NM_001159484
## 485	NM_001159484_intron_0_0_chr1_154152873_r	0 NM_001159484
## 486	NM_001204297_intron_2_0_chr1_155187375_r	0 NM_001204297
## 487	NM_001044393_intron_3_0_chr1_155187545_r	0 NM_001044393
## 488	NM_001044393_intron_1_0_chr1_155188213_r	0 NM_001044393
## 489	NM_001204296_intron_3_0_chr1_155187577_r	0 NM_001204296
## 490	NM_001204293_intron_4_0_chr1_155187375_r	0 NM_001204293
## 491	NM_001204292_intron_2_0_chr1_155187859_r	0 NM_001204292
## 492	NM_001204291_intron_1_0_chr1_155188064_r	0 NM_001204291
## 493	NM_001204289_intron_1_0_chr1_155188055_r	0 NM_001204289
## 494	NM_001204290_intron_0_0_chr1_155192248_r	0 NM_001204290
## 495	NM_001204288_intron_4_0_chr1_155187545_r	0 NM_001204288
## 496	NM_001204286_intron_2_0_chr1_155188588_r	0 NM_001204286
## 497	NM_001204286_intron_1_0_chr1_155189300_r	0 NM_001204286
## 498	NM_001199663_intron_2_0_chr1_156233729_f	0 NM_001199663
## 499	NM_001199654_intron_1_0_chr1_156225669_f	0 NM_001199654

## 500	NM_001371720_intron_5_0_chr1_155188935_r	0 NM_001371720
## 501	NM_001371720_intron_4_0_chr1_155190203_r	0 NM_001371720
## 502	NM_001371720_intron_3_0_chr1_155190488_r	0 NM_001371720
## 503	NM_001371720_intron_2_0_chr1_155190763_r	0 NM_001371720
## 504	NM_001371720_intron_1_0_chr1_155191307_r	0 NM_001371720
## 505	NM_207308_intron_36_0_chr1_153995181_r	0 NM_207308
## 506	NM_207308_intron_35_0_chr1_154001061_r	0 NM_207308
## 507	NM_207308_intron_34_0_chr1_154001986_r	0 NM_207308
## 508	NM_001204963_intron_7_0_chr1_164821627_f	0 NM_001204963
## 509	NM_001184763_intron_0_0_chr1_162497297_f	0 NM_001184763
## 510	NM_001353131_intron_6_0_chr1_164821627_f	0 NM_001353131
## 511	NM_001353130_intron_0_0_chr1_164560014_f	0 NM_001353130
## 512	NM_144624_intron_5_0_chr1_162512824_f	0 NM_144624
## 513	NM_015569_intron_15_0_chr1_172308840_f	0 NM_015569
## 514	NM_015569_intron_16_0_chr1_172323341_f	0 NM_015569
## 515	NM_001350205_intron_12_0_chr1_172092876_f	0 NM_001350205
## 516	NM_001350205_intron_13_0_chr1_172093726_f	0 NM_001350205
## 517	NM_001350205_intron_14_0_chr1_172131289_f	0 NM_001350205
## 518	NM_022093_intron_0_0_chr1_175067936_f	0 NM_022093
## 519	NM_022093_intron_1_0_chr1_175077828_f	0 NM_022093
## 520	NM_022093_intron_2_0_chr1_175079708_f	0 NM_022093
## 521	NM_022093_intron_3_0_chr1_175080427_f	0 NM_022093
## 522	NM_022093_intron_4_0_chr1_175083936_f	0 NM_022093
## 523	NM_022093_intron_7_0_chr1_175097684_f	0 NM_022093
## 524	NR_146559_intron_13_0_chr1_172093742_f	0 NR_146559
## 525	NM_001252512_intron_0_0_chr1_179293937_f	0 NM_001252512
## 526	NM_021165_intron_0_0_chr1_177171733_f	0 NM_021165
## 527	NM_021165_intron_1_0_chr1_177230146_f	0 NM_021165
## 528	NM_021165_intron_2_0_chr1_177256110_f	0 NM_021165
## 529	NM_021165_intron_3_0_chr1_177257385_f	0 NM_021165
## 530	NM_021165_intron_6_0_chr1_177278786_f	0 NM_021165
## 531	NM_001366934_intron_0_0_chr1_182450179_f	0 NM_001366934
## 532	NM_001366934_intron_1_0_chr1_182454041_f	0 NM_001366934
## 533	NM_001366934_intron_2_0_chr1_182458394_f	0 NM_001366934
## 534	NM_001366934_intron_3_0_chr1_182460134_f	0 NM_001366934
## 535	NM_001366934_intron_4_0_chr1_182471387_f	0 NM_001366934
## 536	NM_001366934_intron_5_0_chr1_182472558_f	0 NM_001366934
## 537	NM_001366934_intron_6_0_chr1_182474543_f	0 NM_001366934
## 538	NM_001366934_intron_7_0_chr1_182488348_f	0 NM_001366934
## 539	NM_001366934_intron_8_0_chr1_182489203_f	0 NM_001366934
## 540	NM_001366934_intron_9_0_chr1_182493130_f	0 NM_001366934
## 541	NM_001366934_intron_10_0_chr1_182522110_f	0 NM_001366934
## 542	NM_001366934_intron_11_0_chr1_182527773_f	0 NM_001366934
## 543	NM_001366934_intron_12_0_chr1_182530362_f	0 NM_001366934
## 544	NM_001366934_intron_13_0_chr1_182530911_f	0 NM_001366934
## 545	NM_001366934_intron_14_0_chr1_182532792_f	0 NM_001366934
## 546	NM_001366934_intron_15_0_chr1_182540422_f	0 NM_001366934
## 547	NM_001366934_intron_16_0_chr1_182548456_f	0 NM_001366934
## 548	NM_001366934_intron_17_0_chr1_182548825_f	0 NM_001366934
## 549	NM_001366934_intron_18_0_chr1_182551210_f	0 NM_001366934
## 550	NM_001366934_intron_19_0_chr1_182553542_f	0 NM_001366934
## 551	NM_001366934_intron_20_0_chr1_182554694_f	0 NM_001366934
## 552	NM_001366934_intron_21_0_chr1_182556223_f	0 NM_001366934
## 553	NM_001137669_intron_3_0_chr1_182460134_f	0 NM_001137669

## 554	NR_045530_intron_0_0_chr1_179293937_f	0	NR_045530
## 555	NR_045530_intron_4_0_chr1_179341311_f	0	NR_045530
## 556	NR_110793_intron_2_0_chr1_185558676_r	0	NR_110793
## 557	NR_110793_intron_1_0_chr1_185563329_r	0	NR_110793
## 558	NR_110793_intron_0_0_chr1_185626556_r	0	NR_110793
## 559	NR_146895_intron_2_0_chr1_196045540_r	0	NR_146895
## 560	NR_146895_intron_1_0_chr1_196061180_r	0	NR_146895
## 561	NR_146895_intron_0_0_chr1_196063289_r	0	NR_146895
## 562	NR_147896_intron_0_0_chr1_199148738_f	0	NR_147896
## 563	NR_147896_intron_1_0_chr1_199161486_f	0	NR_147896
## 564	NR_147896_intron_2_0_chr1_199162571_f	0	NR_147896
## 565	NM_000573_intron_7_0_chr1_207528802_f	0	NM_000573
## 566	NM_001167858_intron_7_0_chr1_202431620_f	0	NM_001167858
## 567	NM_001381851_intron_3_0_chr1_207511655_f	0	NM_001381851
## 568	NM_002646_intron_1_0_chr1_204489932_r	0	NM_002646
## 569	NM_002646_intron_0_0_chr1_204490751_r	0	NM_002646
## 570	NM_001377335_intron_17_0_chr1_204446003_r	0	NM_001377335
## 571	NM_001350124_intron_8_0_chr1_216507184_r	0	NM_001350124
## 572	NM_001350124_intron_7_0_chr1_216519422_r	0	NM_001350124
## 573	NM_001350124_intron_6_0_chr1_216564381_r	0	NM_001350124
## 574	NM_001350124_intron_5_0_chr1_216568099_r	0	NM_001350124
## 575	NM_001350124_intron_4_0_chr1_216651090_r	0	NM_001350124
## 576	NM_001350124_intron_3_0_chr1_216677492_r	0	NM_001350124
## 577	NM_001350124_intron_2_0_chr1_216855126_r	0	NM_001350124
## 578	NM_001350124_intron_1_0_chr1_216865179_r	0	NM_001350124
## 579	NM_001350124_intron_0_0_chr1_216939674_r	0	NM_001350124
## 580	NR_037850_intron_4_0_chr1_213822434_r	0	NR_037850
## 581	NR_037850_intron_3_0_chr1_213832623_r	0	NR_037850
## 582	NR_037850_intron_2_0_chr1_213894744_r	0	NR_037850
## 583	NR_037850_intron_1_0_chr1_213895519_r	0	NR_037850
## 584	NR_037850_intron_0_0_chr1_213966285_r	0	NR_037850
## 585	NM_001320808_intron_0_0_chr1_211829324_r	0	NM_001320808
## 586	NM_001243509_intron_2_0_chr1_216677492_r	0	NM_001243509
## 587	NM_001243509_intron_1_0_chr1_216939674_r	0	NM_001243509
## 588	NM_001243509_intron_0_0_chr1_217000725_r	0	NM_001243509
## 589	NM_001243510_intron_2_0_chr1_216677492_r	0	NM_001243510
## 590	NM_001350123_intron_2_0_chr1_216677492_r	0	NM_001350123
## 591	NM_001350123_intron_1_0_chr1_216905684_r	0	NM_001350123
## 592	NM_001350123_intron_0_0_chr1_216939674_r	0	NM_001350123
## 593	NM_002238_intron_9_0_chr1_210684139_r	0	NM_002238
## 594	NM_002238_intron_8_0_chr1_210775545_r	0	NM_002238
## 595	NM_002238_intron_7_0_chr1_210797761_r	0	NM_002238
## 596	NM_002238_intron_6_0_chr1_210804167_r	0	NM_002238
## 597	NM_002238_intron_5_0_chr1_210920070_r	0	NM_002238
## 598	NM_002238_intron_4_0_chr1_211019257_r	0	NM_002238
## 599	NM_002238_intron_3_0_chr1_211082899_r	0	NM_002238
## 600	NM_002238_intron_2_0_chr1_211090691_r	0	NM_002238
## 601	NM_002238_intron_1_0_chr1_211103603_r	0	NM_002238
## 602	NM_002238_intron_0_0_chr1_211107378_r	0	NM_002238
## 603	NM_001350122_intron_2_0_chr1_216855126_r	0	NM_001350122
## 604	NM_001350122_intron_1_0_chr1_216939674_r	0	NM_001350122
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## 606	NM_001134285_intron_1_0_chr1_216939674_r	0	NM_001134285
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## 608	NM_001350125_intron_0_0_chr1_217069853_r	0	NM_001350125
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## 610	NM_001243505_intron_0_0_chr1_216939674_r	0	NM_001243505
## 611	NM_001243507_intron_3_0_chr1_216568099_r	0	NM_001243507
## 612	NM_001243507_intron_1_0_chr1_216865179_r	0	NM_001243507
## 613	NM_001243506_intron_1_0_chr1_216651090_r	0	NM_001243506
## 614	NM_001375842_intron_0_0_chr1_211829324_r	0	NM_001375842
## 615	NM_172362_intron_5_0_chr1_210920070_r	0	NM_172362
## 616	NM_206933_intron_70_0_chr1_215625871_r	0	NM_206933
## 617	NM_206933_intron_69_0_chr1_215629036_r	0	NM_206933
## 618	NM_206933_intron_68_0_chr1_215634704_r	0	NM_206933
## 619	NM_206933_intron_67_0_chr1_215639239_r	0	NM_206933
## 620	NM_206933_intron_66_0_chr1_215640735_r	0	NM_206933
## 621	NM_206933_intron_65_0_chr1_215647731_r	0	NM_206933
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## 623	NM_206933_intron_63_0_chr1_215650802_r	0	NM_206933
## 624	NM_206933_intron_62_0_chr1_215671294_r	0	NM_206933
## 625	NM_206933_intron_61_0_chr1_215675617_r	0	NM_206933
## 626	NM_206933_intron_60_0_chr1_215680377_r	0	NM_206933
## 627	NM_206933_intron_59_0_chr1_215728385_r	0	NM_206933
## 628	NM_206933_intron_58_0_chr1_215741538_r	0	NM_206933
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## 630	NM_206933_intron_56_0_chr1_215758753_r	0	NM_206933
## 631	NM_206933_intron_55_0_chr1_215759844_r	0	NM_206933
## 632	NM_206933_intron_54_0_chr1_215766789_r	0	NM_206933
## 633	NM_206933_intron_53_0_chr1_215780042_r	0	NM_206933
## 634	NM_206933_intron_52_0_chr1_215782197_r	0	NM_206933
## 635	NM_206933_intron_51_0_chr1_215782936_r	0	NM_206933
## 636	NM_206933_intron_50_0_chr1_215786875_r	0	NM_206933
## 637	NM_206933_intron_49_0_chr1_215790283_r	0	NM_206933
## 638	NM_206933_intron_48_0_chr1_215799126_r	0	NM_206933
## 639	NM_206933_intron_47_0_chr1_215813905_r	0	NM_206933
## 640	NM_206933_intron_46_0_chr1_215817196_r	0	NM_206933
## 641	NM_206933_intron_45_0_chr1_215838104_r	0	NM_206933
## 642	NM_206933_intron_44_0_chr1_215844497_r	0	NM_206933
## 643	NM_206933_intron_43_0_chr1_215846034_r	0	NM_206933
## 644	NM_206933_intron_42_0_chr1_215867171_r	0	NM_206933
## 645	NM_206933_intron_41_0_chr1_215877881_r	0	NM_206933
## 646	NM_206933_intron_40_0_chr1_215879099_r	0	NM_206933
## 647	NM_206933_intron_39_0_chr1_215889055_r	0	NM_206933
## 648	NM_206933_intron_38_0_chr1_215900218_r	0	NM_206933
## 649	NM_206933_intron_37_0_chr1_215900906_r	0	NM_206933
## 650	NM_206933_intron_36_0_chr1_215934796_r	0	NM_206933
## 651	NM_206933_intron_35_0_chr1_215965480_r	0	NM_206933
## 652	NM_206933_intron_34_0_chr1_215970777_r	0	NM_206933
## 653	NM_206933_intron_33_0_chr1_215993168_r	0	NM_206933
## 654	NM_206933_intron_32_0_chr1_215999059_r	0	NM_206933
## 655	NM_206933_intron_31_0_chr1_216000563_r	0	NM_206933
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## 657	NM_206933_intron_29_0_chr1_216048648_r	0	NM_206933
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## 659	NM_206933_intron_27_0_chr1_216072970_r	0	NM_206933
## 660	NM_206933_intron_26_0_chr1_216073301_r	0	NM_206933
## 661	NM_206933_intron_25_0_chr1_216078363_r	0	NM_206933

## 662	NM_206933_intron_24_0_chr1_216083587_r	0	NM_206933
## 663	NM_206933_intron_23_0_chr1_216084878_r	0	NM_206933
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## 666	NM_206933_intron_20_0_chr1_216097214_r	0	NM_206933
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## 668	NM_206933_intron_18_0_chr1_216190368_r	0	NM_206933
## 669	NM_206933_intron_17_0_chr1_216196723_r	0	NM_206933
## 670	NM_206933_intron_16_0_chr1_216198585_r	0	NM_206933
## 671	NM_206933_intron_15_0_chr1_216200122_r	0	NM_206933
## 672	NM_206933_intron_14_0_chr1_216207432_r	0	NM_206933
## 673	NM_206933_intron_13_0_chr1_216217551_r	0	NM_206933
## 674	NM_206933_intron_12_0_chr1_216232137_r	0	NM_206933
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## 676	NM_206933_intron_10_0_chr1_216251099_r	0	NM_206933
## 677	NM_206933_intron_9_0_chr1_216289411_r	0	NM_206933
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## 679	NM_206933_intron_7_0_chr1_216321977_r	0	NM_206933
## 680	NM_206933_intron_6_0_chr1_216323696_r	0	NM_206933
## 681	NM_206933_intron_5_0_chr1_216324353_r	0	NM_206933
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## 683	NM_206933_intron_3_0_chr1_216327655_r	0	NM_206933
## 684	NM_206933_intron_2_0_chr1_216365086_r	0	NM_206933
## 685	NM_206933_intron_1_0_chr1_216418680_r	0	NM_206933
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## 688	NM_017982_intron_6_0_chr1_223223632_r	0	NM_017982
## 689	NM_017982_intron_5_0_chr1_223227739_r	0	NM_017982
## 690	NM_017982_intron_4_0_chr1_223229389_r	0	NM_017982
## 691	NR_038845_intron_3_0_chr1_219081944_r	0	NR_038845
## 692	NM_001037175_intron_4_0_chr1_223235101_r	0	NM_001037175
## 693	NR_028400_intron_3_0_chr1_231542612_f	0	NR_028400
## 694	NR_028400_intron_4_0_chr1_231616907_f	0	NR_028400
## 695	NR_028400_intron_5_0_chr1_231618060_f	0	NR_028400
## 696	NR_028394_intron_4_0_chr1_231561256_f	0	NR_028394
## 697	NR_028394_intron_5_0_chr1_231616907_f	0	NR_028394
## 698	NR_028395_intron_11_0_chr1_231795297_f	0	NR_028395
## 699	NR_028397_intron_4_0_chr1_231561256_f	0	NR_028397
## 700	NR_028398_intron_1_0_chr1_231529360_f	0	NR_028398
## 701	NR_028393_intron_9_0_chr1_231771071_f	0	NR_028393
## 702	NM_001164547_intron_5_0_chr1_231771071_f	0	NM_001164547
## 703	NM_001164541_intron_8_0_chr1_231818518_f	0	NM_001164541
## 704	NM_001164539_intron_8_0_chr1_231818518_f	0	NM_001164539
## 705	NM_001164556_intron_0_0_chr1_231626935_f	0	NM_001164556
## 706	NM_001164556_intron_3_0_chr1_231771071_f	0	NM_001164556
## 707	NM_001314021_intron_0_0_chr1_229626357_f	0	NM_001314021
## 708	NM_001164540_intron_3_0_chr1_231750077_f	0	NM_001164540
## 709	NM_001164537_intron_2_0_chr1_231702025_f	0	NM_001164537
## 710	NM_001164537_intron_3_0_chr1_231745500_f	0	NM_001164537
## 711	NM_001374811_intron_13_0_chr1_240776214_r	0	NM_001374811
## 712	NM_001374811_intron_12_0_chr1_240802994_r	0	NM_001374811
## 713	NM_001374811_intron_11_0_chr1_240806327_r	0	NM_001374811
## 714	NM_001374811_intron_10_0_chr1_240812044_r	0	NM_001374811
## 715	NM_001374811_intron_9_0_chr1_240813729_r	0	NM_001374811

## 716	NM_001374811_intron_8_0_chr1_240814778_r	0 NM_001374811
## 717	NM_001374811_intron_7_0_chr1_240816416_r	0 NM_001374811
## 718	NM_001374811_intron_6_0_chr1_240827173_r	0 NM_001374811
## 719	NM_001374811_intron_5_0_chr1_240868669_r	0 NM_001374811
## 720	NM_001374811_intron_4_0_chr1_240868853_r	0 NM_001374811
## 721	NM_001374811_intron_3_0_chr1_240870120_r	0 NM_001374811
## 722	NM_001374811_intron_2_0_chr1_240983130_r	0 NM_001374811
## 723	NM_001374811_intron_1_0_chr1_241098763_r	0 NM_001374811
## 724	NM_001374811_intron_0_0_chr1_241355827_r	0 NM_001374811
## 725	NM_001374809_intron_7_0_chr1_240868669_r	0 NM_001374809
## 726	NM_001374809_intron_5_0_chr1_240870120_r	0 NM_001374809
## 727	NM_001374809_intron_4_0_chr1_240930769_r	0 NM_001374809
## 728	NM_001374809_intron_3_0_chr1_240936707_r	0 NM_001374809
## 729	NM_001305424_intron_0_0_chr1_240093725_f	0 NM_001305424
## 730	NM_001305424_intron_1_0_chr1_240123346_f	0 NM_001305424
## 731	NM_001305424_intron_2_0_chr1_240178069_f	0 NM_001305424
## 732	NM_001305424_intron_3_0_chr1_240180181_f	0 NM_001305424
## 733	NM_001305424_intron_4_0_chr1_240188263_f	0 NM_001305424
## 734	NM_001305424_intron_5_0_chr1_240208733_f	0 NM_001305424
## 735	NM_001305424_intron_6_0_chr1_240211236_f	0 NM_001305424
## 736	NM_001305424_intron_7_0_chr1_240258033_f	0 NM_001305424
## 737	NM_001305424_intron_8_0_chr1_240294884_f	0 NM_001305424
## 738	NM_001305424_intron_9_0_chr1_240329168_f	0 NM_001305424
## 739	NM_001305424_intron_10_0_chr1_240329469_f	0 NM_001305424
## 740	NM_001305424_intron_11_0_chr1_240330750_f	0 NM_001305424
## 741	NM_001305424_intron_12_0_chr1_240333947_f	0 NM_001305424
## 742	NM_001305424_intron_13_0_chr1_240334230_f	0 NM_001305424
## 743	NM_001305424_intron_14_0_chr1_240355909_f	0 NM_001305424
## 744	NM_001305424_intron_15_0_chr1_240392563_f	0 NM_001305424
## 745	NM_001305424_intron_16_0_chr1_240438211_f	0 NM_001305424
## 746	NM_001305424_intron_17_0_chr1_240472454_f	0 NM_001305424
## 747	NM_001374808_intron_17_0_chr1_240776214_r	0 NM_001374808
## 748	NM_001374808_intron_16_0_chr1_240800722_r	0 NM_001374808
## 749	NM_001374808_intron_2_0_chr1_241098763_r	0 NM_001374808
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## 759	NM_001195812_intron_2_0_chr1_242220116_r	0 NM_001195812
## 760	NM_001195812_intron_1_0_chr1_242265449_r	0 NM_001195812
## 761	NM_001195812_intron_0_0_chr1_242348243_r	0 NM_001195812
## 762	NM_001195811_intron_2_0_chr1_242265449_r	0 NM_001195811
## 763	NM_001195811_intron_1_0_chr1_242288531_r	0 NM_001195811
## 764	NM_001364886_intron_16_0_chr1_240800722_r	0 NM_001364886
## 765	NM_001364886_intron_15_0_chr1_240801509_r	0 NM_001364886
## 766	NM_001374812_intron_8_0_chr1_240816416_r	0 NM_001374812
## 767	NM_001374815_intron_11_0_chr1_240812044_r	0 NM_001374815
## 768	NM_001348094_intron_2_0_chr1_240178069_f	0 NM_001348094
## 769	NM_001348094_intron_3_0_chr1_240188263_f	0 NM_001348094

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## 771	NM_001350114_intron_2_0_chr1_241098763_r	0	NM_001350114
## 772	NM_001350114_intron_1_0_chr1_241315636_r	0	NM_001350114
## 773	NM_001372062_intron_0_0_chr1_242348243_r	0	NM_001372062
## 774	NM_001374813_intron_5_0_chr1_240827173_r	0	NM_001374813
## 775	NM_001320272_intron_2_0_chr1_242288531_r	0	NM_001320272
## 776	NM_001320272_intron_0_0_chr1_242524404_r	0	NM_001320272
## 777	NM_002924_intron_16_0_chr1_240776214_r	0	NM_002924
## 778	NR_026874_intron_2_0_chr1_917721_r	0	NR_026874
## 779	NR_026874_intron_1_0_chr1_918176_r	0	NR_026874
## 780	NR_026874_intron_0_0_chr1_918916_r	0	NR_026874
## 781	NR_122045_intron_1_0_chr1_918116_r	0	NR_122045
## 782	NM_001346116_intron_5_0_chr1_1310689_f	0	NM_001346116
## 783	NM_199121_intron_0_0_chr1_1435822_f	0	NM_199121
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## 785	NM_001304360_intron_31_0_chr1_1925939_r	0	NM_001304360
## 786	NM_001304360_intron_30_0_chr1_1926348_r	0	NM_001304360
## 787	NM_001304360_intron_29_0_chr1_1926513_r	0	NM_001304360
## 788	NM_001304360_intron_28_0_chr1_1926762_r	0	NM_001304360
## 789	NM_001304360_intron_27_0_chr1_1927029_r	0	NM_001304360
## 790	NM_001304360_intron_26_0_chr1_1927747_r	0	NM_001304360
## 791	NM_001304360_intron_25_0_chr1_1928883_r	0	NM_001304360
## 792	NM_001304360_intron_24_0_chr1_1930337_r	0	NM_001304360
## 793	NM_001304360_intron_23_0_chr1_1938989_r	0	NM_001304360
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## 795	NM_001304360_intron_21_0_chr1_1940404_r	0	NM_001304360
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## 798	NM_001304360_intron_18_0_chr1_1946440_r	0	NM_001304360
## 799	NM_001304360_intron_17_0_chr1_1947055_r	0	NM_001304360
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## 806	NM_001304360_intron_10_0_chr1_1966527_r	0	NM_001304360
## 807	NM_001304360_intron_9_0_chr1_1968834_r	0	NM_001304360
## 808	NM_001304360_intron_8_0_chr1_1970817_r	0	NM_001304360
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## 833	NM_033467_intron_18_0_chr1_2592967_r	0	NM_033467
## 834	NM_033467_intron_17_0_chr1_2593934_r	0	NM_033467
## 835	NM_033467_intron_16_0_chr1_2594444_r	0	NM_033467
## 836	NM_033467_intron_15_0_chr1_2594894_r	0	NM_033467
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## 848	NM_033467_intron_3_0_chr1_2609832_r	0	NM_033467
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## 856	NM_001242672_intron_4_0_chr1_2645564_r	0	NM_001242672
## 857	NM_001242672_intron_3_0_chr1_2783776_r	0	NM_001242672
## 858	NM_001242672_intron_2_0_chr1_2786024_r	0	NM_001242672
## 859	NM_001242672_intron_1_0_chr1_2787707_r	0	NM_001242672
## 860	NM_001242672_intron_0_0_chr1_2790347_r	0	NM_001242672
## 861	NM_005427_intron_0_0_chr1_3652642_f	0	NM_005427
## 862	NM_001204188_intron_9_0_chr1_3729449_f	0	NM_001204188
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## 864	NM_001204186_intron_9_0_chr1_3729449_f	0	NM_001204186
## 865	NM_001042478_intron_4_0_chr1_4774559_f	0	NM_001042478
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## 867	NM_015557_intron_2_0_chr1_6155718_r	0	NM_015557
## 868	NM_015557_intron_1_0_chr1_6159516_r	0	NM_015557
## 869	NM_015557_intron_0_0_chr1_6168278_r	0	NM_015557
## 870	NM_001291594_intron_8_0_chr1_5905784_r	0	NM_001291594
## 871	NM_001291594_intron_0_0_chr1_5969260_r	0	NM_001291594
## 872	NR_111987_intron_22_0_chr1_5875101_r	0	NR_111987
## 873	NR_111987_intron_21_0_chr1_5876079_r	0	NR_111987
## 874	NR_111987_intron_20_0_chr1_5876524_r	0	NR_111987
## 875	NR_111987_intron_19_0_chr1_5877299_r	0	NR_111987
## 876	NR_111987_intron_18_0_chr1_5879633_r	0	NR_111987
## 877	NM_001349627_intron_1_0_chr1_6807089_f	0	NM_001349627

## 878	NM_001349623_intron_0_0_chr1_7669856_f	0	NM_001349623
## 879	NM_001349613_intron_0_0_chr1_7680216_f	0	NM_001349613
## 880	NR_132742_intron_0_0_chr1_9151836_r	0	NR_132742
## 881	NM_001328619_intron_0_0_chr1_9069595_r	0	NM_001328619
## 882	NM_001328621_intron_0_0_chr1_9041938_r	0	NM_001328621
## 883	NM_001365951_intron_8_0_chr1_10272307_f	0	NM_001365951
## 884	NM_001365951_intron_9_0_chr1_10273032_f	0	NM_001365951
## 885	NM_001365951_intron_12_0_chr1_10278129_f	0	NM_001365951
## 886	NM_001365951_intron_13_0_chr1_10279139_f	0	NM_001365951
## 887	NM_001365952_intron_0_0_chr1_10211739_f	0	NM_001365952
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## 889	NM_001297778_intron_0_0_chr1_9943026_f	0	NM_001297778
## 890	NM_001079843_intron_2_0_chr1_10693913_r	0	NM_001079843
## 891	NM_001079843_intron_1_0_chr1_10705545_r	0	NM_001079843
## 892	NM_001079843_intron_0_0_chr1_10760858_r	0	NM_001079843
## 893	NM_015378_intron_39_0_chr1_12338306_f	0	NM_015378
## 894	NM_001099790_intron_1_0_chr1_13369641_r	0	NM_001099790
## 895	NM_001099790_intron_0_0_chr1_13371228_r	0	NM_001099790
## 896	NM_001010847_intron_0_0_chr1_13476100_r	0	NM_001010847
## 897	NR_149058_intron_3_0_chr1_14349379_r	0	NR_149058
## 898	NR_149058_intron_2_0_chr1_14351026_r	0	NR_149058
## 899	NR_149058_intron_1_0_chr1_14390752_r	0	NR_149058
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## 903	NM_052929_intron_3_0_chr1_15289667_f	0	NM_052929
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## 906	NM_052929_intron_6_0_chr1_15308737_f	0	NM_052929
## 907	NM_052929_intron_7_0_chr1_15313188_f	0	NM_052929
## 908	NM_052929_intron_8_0_chr1_15316468_f	0	NM_052929
## 909	NM_052929_intron_9_0_chr1_15317929_f	0	NM_052929
## 910	NM_052929_intron_10_0_chr1_15324560_f	0	NM_052929
## 911	NM_052929_intron_11_0_chr1_15327143_f	0	NM_052929
## 912	NM_052929_intron_12_0_chr1_15328430_f	0	NM_052929
## 913	NM_052929_intron_13_0_chr1_15329542_f	0	NM_052929
## 914	NM_052929_intron_14_0_chr1_15341894_f	0	NM_052929
## 915	NM_052929_intron_16_0_chr1_15345524_f	0	NM_052929
## 916	NM_052929_intron_17_0_chr1_15349150_f	0	NM_052929
## 917	NM_052929_intron_18_0_chr1_15352985_f	0	NM_052929
## 918	NM_052929_intron_19_0_chr1_15358284_f	0	NM_052929
## 919	NM_052929_intron_20_0_chr1_15360704_f	0	NM_052929
## 920	NM_052929_intron_21_0_chr1_15362727_f	0	NM_052929
## 921	NM_052929_intron_22_0_chr1_15365934_f	0	NM_052929
## 922	NM_052929_intron_23_0_chr1_15367623_f	0	NM_052929
## 923	NM_052929_intron_24_0_chr1_15369503_f	0	NM_052929
## 924	NM_052929_intron_25_0_chr1_15374632_f	0	NM_052929
## 925	NM_052929_intron_26_0_chr1_15375731_f	0	NM_052929
## 926	NM_052929_intron_27_0_chr1_15380797_f	0	NM_052929
## 927	NM_052929_intron_28_0_chr1_15381452_f	0	NM_052929
## 928	NM_052929_intron_29_0_chr1_15382194_f	0	NM_052929
## 929	NM_001018001_intron_0_0_chr1_14930045_f	0	NM_001018001
## 930	NM_001136217_intron_0_0_chr1_15152785_f	0	NM_001136217
## 931	NM_001370231_intron_0_0_chr1_14929756_f	0	NM_001370231

## 932	NM_001370229_intron_0_0_chr1_14924751_f	0	NM_001370229
## 933	NM_033440_intron_0_0_chr1_15456794_f	0	NM_033440
## 934	NM_033440_intron_1_0_chr1_15457175_f	0	NM_033440
## 935	NM_033440_intron_2_0_chr1_15461659_f	0	NM_033440
## 936	NM_033440_intron_5_0_chr1_15466145_f	0	NM_033440
## 937	NM_033440_intron_6_0_chr1_15467539_f	0	NM_033440
## 938	NR_148918_intron_0_0_chr1_15329684_r	0	NR_148918
## 939	NR_148919_intron_0_0_chr1_15329681_r	0	NR_148919
## 940	NR_135082_intron_1_0_chr1_15215244_f	0	NR_135082
## 941	NR_027504_intron_4_0_chr1_16647315_f	0	NR_027504
## 942	NR_027504_intron_8_0_chr1_16649042_f	0	NR_027504
## 943	NR_027504_intron_9_0_chr1_16649252_f	0	NR_027504
## 944	NM_001011722_intron_13_0_chr1_17632467_f	0	NM_001011722
## 945	NM_001319838_intron_3_0_chr1_17623176_f	0	NM_001319838
## 946	NM_018125_intron_6_0_chr1_17607978_f	0	NM_018125
## 947	NM_018125_intron_7_0_chr1_17613175_f	0	NM_018125
## 948	NR_137287_intron_5_0_chr1_17603592_f	0	NR_137287
## 949	NM_032880_intron_0_0_chr1_18108199_f	0	NM_032880
## 950	NM_032880_intron_1_0_chr1_18228011_f	0	NM_032880
## 951	NM_032880_intron_2_0_chr1_18291988_f	0	NM_032880
## 952	NM_032880_intron_4_0_chr1_18362231_f	0	NM_032880
## 953	NM_001135254_intron_0_0_chr1_18631689_f	0	NM_001135254
## 954	NM_001135254_intron_1_0_chr1_18634539_f	0	NM_001135254
## 955	NM_001135254_intron_2_0_chr1_18635241_f	0	NM_001135254
## 956	NM_001135254_intron_3_0_chr1_18636372_f	0	NM_001135254
## 957	NM_001135254_intron_4_0_chr1_18691954_f	0	NM_001135254
## 958	NM_001135254_intron_5_0_chr1_18700819_f	0	NM_001135254
## 959	NM_001135254_intron_6_0_chr1_18703297_f	0	NM_001135254
## 960	NM_001135254_intron_7_0_chr1_18735879_f	0	NM_001135254
## 961	NR_040288_intron_4_0_chr1_19268702_r	0	NR_040288
## 962	NR_040288_intron_0_0_chr1_19270936_r	0	NR_040288
## 963	NM_001206541_intron_1_0_chr1_19419751_r	0	NM_001206541
## 964	NM_001349114_intron_2_0_chr1_19787118_r	0	NM_001349114
## 965	NM_001349114_intron_1_0_chr1_19793649_r	0	NM_001349114
## 966	NR_040289_intron_2_0_chr1_19268702_r	0	NR_040289
## 967	NM_001206540_intron_8_0_chr1_19339618_r	0	NM_001206540
## 968	NM_001377531_intron_0_0_chr1_20291089_f	0	NM_001377531
## 969	NM_001377531_intron_1_0_chr1_20310741_f	0	NM_001377531
## 970	NM_001377531_intron_2_0_chr1_20312989_f	0	NM_001377531
## 971	NM_001377531_intron_3_0_chr1_20314593_f	0	NM_001377531
## 972	NM_001377531_intron_4_0_chr1_20317676_f	0	NM_001377531
## 973	NM_001377531_intron_5_0_chr1_20318722_f	0	NM_001377531
## 974	NM_001377531_intron_6_0_chr1_20319507_f	0	NM_001377531
## 975	NM_001377531_intron_7_0_chr1_20323533_f	0	NM_001377531
## 976	NM_001377531_intron_8_0_chr1_20328001_f	0	NM_001377531
## 977	NM_001377531_intron_9_0_chr1_20330383_f	0	NM_001377531
## 978	NM_001377531_intron_10_0_chr1_20330984_f	0	NM_001377531
## 979	NM_001377531_intron_11_0_chr1_20332952_f	0	NM_001377531
## 980	NM_001377531_intron_12_0_chr1_20336487_f	0	NM_001377531
## 981	NM_001377531_intron_13_0_chr1_20337837_f	0	NM_001377531
## 982	NM_001377531_intron_14_0_chr1_20342610_f	0	NM_001377531
## 983	NM_001377531_intron_15_0_chr1_20343394_f	0	NM_001377531
## 984	NM_001377531_intron_16_0_chr1_20345594_f	0	NM_001377531
## 985	NM_001377531_intron_17_0_chr1_20348359_f	0	NM_001377531

## 986	NM_001377531_intron_18_0_chr1_20350231_f	0 NM_001377531
## 987	NM_001377531_intron_19_0_chr1_20350927_f	0 NM_001377531
## 988	NM_001377531_intron_20_0_chr1_20352173_f	0 NM_001377531
## 989	NM_001316722_intron_3_0_chr1_20164158_r	0 NM_001316722
## 990	NM_001316722_intron_2_0_chr1_20172892_r	0 NM_001316722
## 991	NM_001316722_intron_1_0_chr1_20175146_r	0 NM_001316722
## 992	NM_001316722_intron_0_0_chr1_20177440_r	0 NM_001316722
## 993	NM_001287212_intron_7_0_chr1_20686127_r	0 NM_001287212
## 994	NM_001287212_intron_6_0_chr1_20687945_r	0 NM_001287212
## 995	NM_001287212_intron_5_0_chr1_20690336_r	0 NM_001287212
## 996	NM_001287212_intron_4_0_chr1_20698489_r	0 NM_001287212
## 997	NM_001287212_intron_3_0_chr1_20704900_r	0 NM_001287212
## 998	NM_001287212_intron_2_0_chr1_20709829_r	0 NM_001287212
## 999	NM_001287212_intron_1_0_chr1_20713556_r	0 NM_001287212
## 1000	NM_001287212_intron_0_0_chr1_20715640_r	0 NM_001287212
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## 1002	NM_001367969_intron_2_0_chr1_20172898_r	0 NM_001367969
## 1003	NM_001039500_intron_2_0_chr1_20312989_f	0 NM_001039500
## 1004	NM_001330383_intron_19_0_chr1_21602914_r	0 NM_001330383
## 1005	NM_001330383_intron_18_0_chr1_21603913_r	0 NM_001330383
## 1006	NM_001330383_intron_0_0_chr1_21665318_r	0 NM_001330383
## 1007	NM_001350525_intron_20_0_chr1_21602914_r	0 NM_001350525
## 1008	NM_002885_intron_0_0_chr1_21649797_r	0 NM_002885
## 1009	NM_001145658_intron_0_0_chr1_21649797_r	0 NM_001145658
## 1010	NM_001350526_intron_2_0_chr1_21665318_r	0 NM_001350526
## 1011	NM_001350526_intron_1_0_chr1_21667824_r	0 NM_001350526
## 1012	NM_001145657_intron_23_0_chr1_21598041_r	0 NM_001145657
## 1013	NM_004442_intron_7_0_chr1_22895581_f	0 NM_004442
## 1014	NM_001309193_intron_15_0_chr1_22913565_f	0 NM_001309193
## 1015	NM_001309192_intron_6_0_chr1_22893047_f	0 NM_001309192
## 1016	NM_001143778_intron_22_0_chr1_23429931_r	0 NM_001143778
## 1017	NM_001143778_intron_12_0_chr1_23437045_r	0 NM_001143778
## 1018	NM_001143778_intron_3_0_chr1_23442636_r	0 NM_001143778
## 1019	NM_001143778_intron_0_0_chr1_23456195_r	0 NM_001143778
## 1020	NM_001102398_intron_6_0_chr1_23318698_r	0 NM_001102398
## 1021	NM_000864_intron_0_0_chr1_23195002_r	0 NM_000864
## 1022	NM_001199014_intron_2_0_chr1_24391680_r	0 NM_001199014
## 1023	NM_001199014_intron_1_0_chr1_24392068_r	0 NM_001199014
## 1024	NM_001251984_intron_0_0_chr1_24502464_f	0 NM_001251984
## 1025	NM_001251983_intron_0_0_chr1_24503151_f	0 NM_001251983
## 1026	NM_001320672_intron_0_0_chr1_24964669_r	0 NM_001320672
## 1027	NM_001251978_intron_0_0_chr1_24507729_f	0 NM_001251978
## 1028	NM_001199012_intron_0_0_chr1_24401457_r	0 NM_001199012
## 1029	NM_001127691_intron_5_0_chr1_25303460_f	0 NM_001127691
## 1030	NR_135788_intron_0_0_chr1_25247030_r	0 NR_135788
## 1031	NM_001282870_intron_7_0_chr1_25317080_f	0 NM_001282870
## 1032	NM_001282872_intron_6_0_chr1_25306730_f	0 NM_001282872
## 1033	NM_001282872_intron_7_0_chr1_25307817_f	0 NM_001282872
## 1034	NM_001282871_intron_7_0_chr1_25307817_f	0 NM_001282871
## 1035	NM_001282869_intron_6_0_chr1_25306730_f	0 NM_001282869
## 1036	NM_001282868_intron_5_0_chr1_25303460_f	0 NM_001282868
## 1037	NM_001282867_intron_2_0_chr1_25290792_f	0 NM_001282867
## 1038	NM_001289010_intron_10_0_chr1_25782701_f	0 NM_001289010
## 1039	NM_001385182_intron_1_0_chr1_25686537_f	0 NM_001385182

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## 1044	NM_001039775_intron_11_0_chr1_26336371_r	0 NM_001039775
## 1045	NM_001039775_intron_10_0_chr1_26336733_r	0 NM_001039775
## 1046	NM_001039775_intron_9_0_chr1_26336981_r	0 NM_001039775
## 1047	NM_001039775_intron_8_0_chr1_26337380_r	0 NM_001039775
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## 1050	NM_001039775_intron_5_0_chr1_26338478_r	0 NM_001039775
## 1051	NM_001039775_intron_4_0_chr1_26339430_r	0 NM_001039775
## 1052	NM_001039775_intron_3_0_chr1_26342884_r	0 NM_001039775
## 1053	NM_001039775_intron_2_0_chr1_26343160_r	0 NM_001039775
## 1054	NM_001039775_intron_1_0_chr1_26343294_r	0 NM_001039775
## 1055	NM_001039775_intron_0_0_chr1_26346713_r	0 NM_001039775
## 1056	NM_139135_intron_16_0_chr1_26773899_f	0 NM_139135
## 1057	NR_046474_intron_0_0_chr1_27109778_r	0 NR_046474
## 1058	NM_001164722_intron_0_0_chr1_28151060_r	0 NM_001164722
## 1059	NM_001164721_intron_0_0_chr1_28176674_r	0 NM_001164721
## 1060	NM_203342_intron_1_0_chr1_28987906_f	0 NM_203342
## 1061	NM_203342_intron_2_0_chr1_28989436_f	0 NM_203342
## 1062	NR_146214_intron_5_0_chr1_29201519_r	0 NR_146214
## 1063	NM_001166005_intron_12_0_chr1_29058646_f	0 NM_001166005
## 1064	NM_001166005_intron_13_0_chr1_29058853_f	0 NM_001166005
## 1065	NM_001349717_intron_0_0_chr1_29216686_r	0 NM_001349717
## 1066	NM_000911_intron_0_0_chr1_28812611_f	0 NM_000911
## 1067	NM_000911_intron_1_0_chr1_28859304_f	0 NM_000911
## 1068	NM_001349715_intron_0_0_chr1_29220943_r	0 NM_001349715
## 1069	NR_146213_intron_9_0_chr1_29193575_r	0 NR_146213
## 1070	NR_146212_intron_6_0_chr1_29196259_r	0 NR_146212
## 1071	NM_001349714_intron_1_0_chr1_29216686_r	0 NM_001349714
## 1072	NM_001349711_intron_2_0_chr1_29220922_r	0 NM_001349711
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## 1075	NM_001376028_intron_13_0_chr1_29068784_f	0 NM_001376028
## 1076	NM_001376025_intron_16_0_chr1_29068769_f	0 NM_001376025
## 1077	NM_001376023_intron_16_0_chr1_29068784_f	0 NM_001376023
## 1078	NM_001376014_intron_14_0_chr1_29068769_f	0 NM_001376014
## 1079	NR_110790_intron_5_0_chr1_30014510_r	0 NR_110790
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## 1081	NR_110790_intron_3_0_chr1_30016922_r	0 NR_110790
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## 1086	NM_001282567_intron_4_0_chr1_31346819_f	0 NM_001282567
## 1087	NM_001282566_intron_0_0_chr1_31297214_f	0 NM_001282566
## 1088	NM_024522_intron_5_0_chr1_31181713_r	0 NM_024522
## 1089	NM_024522_intron_2_0_chr1_31184015_r	0 NM_024522
## 1090	NM_024522_intron_1_0_chr1_31185328_r	0 NM_024522
## 1091	NM_024522_intron_0_0_chr1_31188188_r	0 NM_024522
## 1092	NR_125352_intron_8_0_chr1_32369339_r	0 NR_125352
## 1093	NM_001143890_intron_1_0_chr1_32381269_r	0 NM_001143890

## 1094	NR_158776_intron_1_0_chr1_32621949_r	0	NR_158776
## 1095	NR_158778_intron_4_0_chr1_32627545_r	0	NR_158778
## 1096	NR_158778_intron_3_0_chr1_32632322_r	0	NR_158778
## 1097	NR_158779_intron_5_0_chr1_32627866_r	0	NR_158779
## 1098	NM_001329725_intron_1_0_chr1_32895645_r	0	NM_001329725
## 1099	NM_001198973_intron_0_0_chr1_32765828_f	0	NM_001198973
## 1100	NM_001198973_intron_3_0_chr1_32768776_f	0	NM_001198973
## 1101	NR_158773_intron_0_0_chr1_32634111_r	0	NR_158773
## 1102	NM_001329724_intron_2_0_chr1_32895645_r	0	NM_001329724
## 1103	NM_001366267_intron_0_0_chr1_32634073_r	0	NM_001366267
## 1104	NM_001366268_intron_3_0_chr1_32627866_r	0	NM_001366268
## 1105	NM_001330483_intron_0_0_chr1_33165567_r	0	NM_001330483
## 1106	NM_001329722_intron_4_0_chr1_32894934_r	0	NM_001329722
## 1107	NM_001366257_intron_0_0_chr1_32634793_r	0	NM_001366257
## 1108	NM_001329723_intron_1_0_chr1_32895744_r	0	NM_001329723
## 1109	NM_001199199_intron_3_0_chr1_33014595_r	0	NM_001199199
## 1110	NM_001385112_intron_4_0_chr1_33368689_r	0	NM_001385112
## 1111	NM_001385119_intron_0_0_chr1_33430238_r	0	NM_001385119
## 1112	NM_001385121_intron_5_0_chr1_33367423_r	0	NM_001385121
## 1113	NM_001385123_intron_2_0_chr1_33355171_r	0	NM_001385123
## 1114	NM_198040_intron_7_0_chr1_33354567_r	0	NM_198040
## 1115	NM_032884_intron_0_0_chr1_34167172_f	0	NM_032884
## 1116	NM_032884_intron_1_0_chr1_34197914_f	0	NM_032884
## 1117	NM_032884_intron_2_0_chr1_34201033_f	0	NM_032884
## 1118	NM_032884_intron_3_0_chr1_34202260_f	0	NM_032884
## 1119	NM_032884_intron_4_0_chr1_34208235_f	0	NM_032884
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## 1121	NM_001134734_intron_0_0_chr1_34178110_f	0	NM_001134734
## 1122	NM_001375653_intron_0_0_chr1_35269095_f	0	NM_001375653
## 1123	NM_001330493_intron_1_0_chr1_36438911_r	0	NM_001330493
## 1124	NM_001330493_intron_0_0_chr1_36444034_r	0	NM_001330493
## 1125	NM_001317123_intron_0_0_chr1_35869904_f	0	NM_001317123
## 1126	NM_177422_intron_2_0_chr1_35972233_f	0	NM_177422
## 1127	NM_001038633_intron_2_0_chr1_37629950_r	0	NM_001038633
## 1128	NM_001038633_intron_1_0_chr1_37632023_r	0	NM_001038633
## 1129	NM_001038633_intron_0_0_chr1_37632354_r	0	NM_001038633
## 1130	NM_001242910_intron_4_0_chr1_37612922_r	0	NM_001242910
## 1131	NM_001242909_intron_2_0_chr1_37616676_r	0	NM_001242909
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## 1133	NM_000831_intron_13_0_chr1_36805238_r	0	NM_000831
## 1134	NM_000831_intron_12_0_chr1_36806327_r	0	NM_000831
## 1135	NM_000831_intron_11_0_chr1_36817278_r	0	NM_000831
## 1136	NM_000831_intron_10_0_chr1_36819855_r	0	NM_000831
## 1137	NM_000831_intron_9_0_chr1_36825827_r	0	NM_000831
## 1138	NM_000831_intron_8_0_chr1_36841940_r	0	NM_000831
## 1139	NM_000831_intron_7_0_chr1_36850425_r	0	NM_000831
## 1140	NM_000831_intron_6_0_chr1_36853723_r	0	NM_000831
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## 1142	NM_000831_intron_4_0_chr1_36860018_r	0	NM_000831
## 1143	NM_000831_intron_3_0_chr1_36869802_r	0	NM_000831
## 1144	NM_000831_intron_2_0_chr1_36872370_r	0	NM_000831
## 1145	NM_000831_intron_1_0_chr1_36880892_r	0	NM_000831
## 1146	NM_000831_intron_0_0_chr1_36891097_r	0	NM_000831
## 1147	NR_158628_intron_15_0_chr1_37878571_r	0	NR_158628

## 1148	NR_158628_intron_4_0_chr1_37942262_r	0	NR_158628
## 1149	NR_158628_intron_1_0_chr1_37945851_r	0	NR_158628
## 1150	NM_001365825_intron_2_0_chr1_37943670_r	0	NM_001365825
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## 1152	NM_001365822_intron_0_0_chr1_37946335_r	0	NM_001365822
## 1153	NM_001350227_intron_1_0_chr1_37889721_r	0	NM_001350227
## 1154	NR_158630_intron_13_0_chr1_37882919_r	0	NR_158630
## 1155	NR_158630_intron_12_0_chr1_37883733_r	0	NR_158630
## 1156	NM_012090_intron_63_0_chr1_39435762_f	0	NM_012090
## 1157	NM_012090_intron_64_0_chr1_39436482_f	0	NM_012090
## 1158	NM_001304746_intron_6_0_chr1_38886684_r	0	NM_001304746
## 1159	NM_001304746_intron_5_0_chr1_38888025_r	0	NM_001304746
## 1160	NM_001304746_intron_4_0_chr1_38893225_r	0	NM_001304746
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## 1162	NM_001304746_intron_2_0_chr1_38911435_r	0	NM_001304746
## 1163	NM_001304746_intron_1_0_chr1_38915711_r	0	NM_001304746
## 1164	NM_001304746_intron_0_0_chr1_38919338_r	0	NM_001304746
## 1165	NM_017821_intron_0_0_chr1_38919338_r	0	NM_017821
## 1166	NM_001142590_intron_0_0_chr1_40692201_f	0	NM_001142590
## 1167	NM_001142590_intron_1_0_chr1_40695746_f	0	NM_001142590
## 1168	NM_001142590_intron_2_0_chr1_40712470_f	0	NM_001142590
## 1169	NM_001142590_intron_3_0_chr1_40721705_f	0	NM_001142590
## 1170	NM_001142590_intron_10_0_chr1_40758295_f	0	NM_001142590
## 1171	NR_037868_intron_0_0_chr1_41018402_f	0	NR_037868
## 1172	NR_037868_intron_1_0_chr1_41028713_f	0	NR_037868
## 1173	NR_037868_intron_2_0_chr1_41038078_f	0	NR_037868
## 1174	NM_001172222_intron_3_0_chr1_41075452_r	0	NM_001172222
## 1175	NM_001127714_intron_0_0_chr1_41628948_r	0	NM_001127714
## 1176	NR_104171_intron_0_0_chr1_42857709_f	0	NR_104171
## 1177	NR_104171_intron_1_0_chr1_42870162_f	0	NR_104171
## 1178	NR_104171_intron_2_0_chr1_42880434_f	0	NR_104171
## 1179	NM_001355226_intron_1_0_chr1_42457351_f	0	NM_001355226
## 1180	NM_001355226_intron_7_0_chr1_42534990_f	0	NM_001355226
## 1181	NM_001355224_intron_1_0_chr1_42473304_f	0	NM_001355224
## 1182	NM_001355224_intron_9_0_chr1_42545580_f	0	NM_001355224
## 1183	NM_001355224_intron_10_0_chr1_42556406_f	0	NM_001355224
## 1184	NM_001355224_intron_11_0_chr1_42558277_f	0	NM_001355224
## 1185	NM_001080850_intron_0_0_chr1_42533952_f	0	NM_001080850
## 1186	NM_001080850_intron_2_0_chr1_42536602_f	0	NM_001080850
## 1187	NM_001080850_intron_3_0_chr1_42539311_f	0	NM_001080850
## 1188	NM_001080850_intron_5_0_chr1_42556406_f	0	NM_001080850
## 1189	NM_001198851_intron_2_0_chr1_42311111_r	0	NM_001198851
## 1190	NM_001198851_intron_1_0_chr1_42315456_r	0	NM_001198851
## 1191	NM_001198851_intron_0_0_chr1_42323828_r	0	NM_001198851
## 1192	NM_001355227_intron_0_0_chr1_42463891_f	0	NM_001355227
## 1193	NM_001198850_intron_0_0_chr1_42311111_r	0	NM_001198850
## 1194	NM_174970_intron_4_0_chr1_43894478_f	0	NM_174970
## 1195	NM_001350620_intron_10_0_chr1_43920929_f	0	NM_001350620
## 1196	NM_001350620_intron_11_0_chr1_43921639_f	0	NM_001350620
## 1197	NM_001001653_intron_1_0_chr1_43387630_r	0	NM_001001653
## 1198	NM_001001653_intron_0_0_chr1_43388490_r	0	NM_001001653
## 1199	NM_174966_intron_8_0_chr1_43899728_f	0	NM_174966
## 1200	NM_001195831_intron_0_0_chr1_43172454_f	0	NM_001195831
## 1201	NM_001195831_intron_1_0_chr1_43172911_f	0	NM_001195831

## 1202	NM_001195831_intron_2_0_chr1_43181851_f	0	NM_001195831
## 1203	NM_001195831_intron_3_0_chr1_43183878_f	0	NM_001195831
## 1204	NM_001195831_intron_4_0_chr1_43185357_f	0	NM_001195831
## 1205	NM_001195831_intron_5_0_chr1_43186860_f	0	NM_001195831
## 1206	NM_001195831_intron_6_0_chr1_43197693_f	0	NM_001195831
## 1207	NM_001195831_intron_7_0_chr1_43198647_f	0	NM_001195831
## 1208	NM_001195831_intron_8_0_chr1_43199504_f	0	NM_001195831
## 1209	NM_001195831_intron_9_0_chr1_43206933_f	0	NM_001195831
## 1210	NM_001195831_intron_10_0_chr1_43209917_f	0	NM_001195831
## 1211	NM_001195831_intron_11_0_chr1_43215417_f	0	NM_001195831
## 1212	NM_001195831_intron_12_0_chr1_43219538_f	0	NM_001195831
## 1213	NM_001195831_intron_13_0_chr1_43221466_f	0	NM_001195831
## 1214	NM_001195831_intron_14_0_chr1_43222296_f	0	NM_001195831
## 1215	NM_001195831_intron_15_0_chr1_43222998_f	0	NM_001195831
## 1216	NM_001195831_intron_16_0_chr1_43224205_f	0	NM_001195831
## 1217	NM_001195831_intron_17_0_chr1_43227127_f	0	NM_001195831
## 1218	NM_001195831_intron_18_0_chr1_43232165_f	0	NM_001195831
## 1219	NM_001195831_intron_19_0_chr1_43232625_f	0	NM_001195831
## 1220	NM_001195831_intron_20_0_chr1_43234414_f	0	NM_001195831
## 1221	NM_001195831_intron_21_0_chr1_43234639_f	0	NM_001195831
## 1222	NM_001195831_intron_22_0_chr1_43243360_f	0	NM_001195831
## 1223	NR_073023_intron_5_0_chr1_43894478_f	0	NR_073023
## 1224	NR_073021_intron_8_0_chr1_43899264_f	0	NR_073021
## 1225	NR_073019_intron_1_0_chr1_43736381_f	0	NR_073019
## 1226	NM_001270460_intron_3_0_chr1_43814934_f	0	NM_001270460
## 1227	NM_001270459_intron_8_0_chr1_43899728_f	0	NM_001270459
## 1228	NR_073017_intron_1_0_chr1_43736381_f	0	NR_073017
## 1229	NM_001270466_intron_3_0_chr1_43838312_f	0	NM_001270466
## 1230	NM_001270465_intron_1_0_chr1_43736426_f	0	NM_001270465
## 1231	NM_001270465_intron_6_0_chr1_43899290_f	0	NM_001270465
## 1232	NM_001378189_intron_0_0_chr1_43172454_f	0	NM_001378189
## 1233	NM_001378189_intron_17_0_chr1_43227127_f	0	NM_001378189
## 1234	NM_003738_intron_4_0_chr1_44831044_r	0	NM_003738
## 1235	NM_003738_intron_0_0_chr1_44842040_r	0	NM_003738
## 1236	NM_001166292_intron_21_0_chr1_44820705_r	0	NM_001166292
## 1237	NM_001145636_intron_5_0_chr1_44704174_f	0	NM_001145636
## 1238	NM_001320800_intron_0_0_chr1_45421847_r	0	NM_001320800
## 1239	NM_001145349_intron_8_0_chr1_45694516_r	0	NM_001145349
## 1240	NM_001324320_intron_6_0_chr1_46000980_f	0	NM_001324320
## 1241	NM_001324321_intron_0_0_chr1_45865140_f	0	NM_001324321
## 1242	NM_001324321_intron_1_0_chr1_45882396_f	0	NM_001324321
## 1243	NM_001324321_intron_2_0_chr1_45932274_f	0	NM_001324321
## 1244	NM_001195193_intron_1_0_chr1_45591271_f	0	NM_001195193
## 1245	NM_001243728_intron_0_0_chr1_46665365_r	0	NM_001243728
## 1246	NM_001142548_intron_0_0_chr1_46247747_f	0	NM_001142548
## 1247	NM_001256418_intron_2_0_chr1_46658738_r	0	NM_001256418
## 1248	NR_026749_intron_8_0_chr1_48101951_r	0	NR_026749
## 1249	NR_026749_intron_7_0_chr1_48128022_r	0	NR_026749
## 1250	NR_026749_intron_6_0_chr1_48128574_r	0	NR_026749
## 1251	NR_026749_intron_5_0_chr1_48159657_r	0	NR_026749
## 1252	NR_026749_intron_4_0_chr1_48161910_r	0	NR_026749
## 1253	NR_026749_intron_3_0_chr1_48164913_r	0	NR_026749
## 1254	NR_026749_intron_2_0_chr1_48166821_r	0	NR_026749
## 1255	NR_026749_intron_1_0_chr1_48179236_r	0	NR_026749

## 1256	NR_026749_intron_0_0_chr1_48181769_r	0	NR_026749
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## 1258	NM_001194986_intron_4_0_chr1_47775440_r	0	NM_001194986
## 1259	NM_001194986_intron_3_0_chr1_47778545_r	0	NM_001194986
## 1260	NM_001194986_intron_2_0_chr1_47794761_r	0	NM_001194986
## 1261	NM_001194986_intron_1_0_chr1_47801620_r	0	NM_001194986
## 1262	NM_001194986_intron_0_0_chr1_47994598_r	0	NM_001194986
## 1263	NM_001286239_intron_2_0_chr1_48411589_r	0	NM_001286239
## 1264	NM_001349794_intron_1_0_chr1_48761471_r	0	NM_001349794
## 1265	NM_001349795_intron_2_0_chr1_48761471_r	0	NM_001349795
## 1266	NM_001349795_intron_1_0_chr1_48773137_r	0	NM_001349795
## 1267	NM_001324212_intron_0_0_chr1_50109199_f	0	NM_001324212
## 1268	NR_046839_intron_2_0_chr1_49374345_r	0	NR_046839
## 1269	NR_046839_intron_1_0_chr1_49423135_r	0	NR_046839
## 1270	NR_046839_intron_0_0_chr1_49470007_r	0	NR_046839
## 1271	NM_001144775_intron_0_0_chr1_50106394_f	0	NM_001144775
## 1272	NM_021952_intron_0_0_chr1_50109199_f	0	NM_021952
## 1273	NM_021952_intron_5_0_chr1_50197468_f	0	NM_021952
## 1274	NM_001324214_intron_0_0_chr1_50109965_f	0	NM_001324214
## 1275	NM_001144776_intron_0_0_chr1_50104001_f	0	NM_001144776
## 1276	NM_001136508_intron_0_0_chr1_51102250_f	0	NM_001136508
## 1277	NM_001136508_intron_1_0_chr1_51112570_f	0	NM_001136508
## 1278	NM_001136508_intron_2_0_chr1_51118802_f	0	NM_001136508
## 1279	NM_001136508_intron_3_0_chr1_51145761_f	0	NM_001136508
## 1280	NM_148905_intron_0_0_chr1_51730125_f	0	NM_148905
## 1281	NM_001350208_intron_7_0_chr1_51750196_f	0	NM_001350208
## 1282	NM_001350208_intron_8_0_chr1_51752726_f	0	NM_001350208
## 1283	NM_148909_intron_3_0_chr1_51714080_f	0	NM_148909
## 1284	NM_148909_intron_4_0_chr1_51740212_f	0	NM_148909
## 1285	NM_148906_intron_0_0_chr1_51617222_f	0	NM_148906
## 1286	NR_046405_intron_1_0_chr1_52034052_r	0	NR_046405
## 1287	NR_046406_intron_1_0_chr1_52033929_r	0	NR_046406
## 1288	NM_001350210_intron_5_0_chr1_51756359_f	0	NM_001350210
## 1289	NM_001350210_intron_6_0_chr1_51756816_f	0	NM_001350210
## 1290	NM_001304760_intron_0_0_chr1_53218496_r	0	NM_001304760
## 1291	NM_001199080_intron_0_0_chr1_53062309_f	0	NM_001199080
## 1292	NM_001199080_intron_1_0_chr1_53063560_f	0	NM_001199080
## 1293	NM_001199080_intron_2_0_chr1_53066868_f	0	NM_001199080
## 1294	NM_001199080_intron_3_0_chr1_53070168_f	0	NM_001199080
## 1295	NM_001199080_intron_6_0_chr1_53075972_f	0	NM_001199080
## 1296	NM_001199080_intron_7_0_chr1_53077347_f	0	NM_001199080
## 1297	NM_001199080_intron_8_0_chr1_53077801_f	0	NM_001199080
## 1298	NM_001199080_intron_9_0_chr1_53079023_f	0	NM_001199080
## 1299	NM_001199080_intron_10_0_chr1_53080877_f	0	NM_001199080
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## 1301	NM_001007098_intron_9_0_chr1_52988137_f	0	NM_001007098
## 1302	NM_001193617_intron_0_0_chr1_52927466_f	0	NM_001193617
## 1303	NM_001193599_intron_1_0_chr1_52941854_f	0	NM_001193599
## 1304	NM_153703_intron_0_0_chr1_53062309_f	0	NM_153703
## 1305	NM_001353655_intron_5_0_chr1_54133295_r	0	NM_001353655
## 1306	NM_001353655_intron_4_0_chr1_54136809_r	0	NM_001353655
## 1307	NM_001353655_intron_3_0_chr1_54140107_r	0	NM_001353655
## 1308	NM_001353655_intron_2_0_chr1_54141434_r	0	NM_001353655
## 1309	NM_001353655_intron_1_0_chr1_54144814_r	0	NM_001353655

## 1310	NM_001353655_intron_0_0_chr1_54153007_r	0	NM_001353655
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## 1314	NM_001367484_intron_6_0_chr1_53514782_r	0	NM_001367484
## 1315	NM_001367484_intron_5_0_chr1_53520767_r	0	NM_001367484
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## 1317	NM_001367484_intron_3_0_chr1_53529953_r	0	NM_001367484
## 1318	NM_001367484_intron_2_0_chr1_53594991_r	0	NM_001367484
## 1319	NM_001367484_intron_1_0_chr1_53600279_r	0	NM_001367484
## 1320	NM_001367484_intron_0_0_chr1_53738107_r	0	NM_001367484
## 1321	NM_018070_intron_5_0_chr1_54251861_r	0	NM_018070
## 1322	NM_018070_intron_4_0_chr1_54258150_r	0	NM_018070
## 1323	NM_147193_intron_0_0_chr1_53600279_r	0	NM_147193
## 1324	NR_026782_intron_0_0_chr1_54641963_f	0	NR_026782
## 1325	NR_111931_intron_0_0_chr1_54641969_f	0	NR_111931
## 1326	NR_037639_intron_0_0_chr1_54641969_f	0	NR_037639
## 1327	NR_037639_intron_2_0_chr1_54654158_f	0	NR_037639
## 1328	NR_037639_intron_3_0_chr1_54659190_f	0	NR_037639
## 1329	NR_037641_intron_19_0_chr1_54702237_f	0	NR_037641
## 1330	NR_037641_intron_28_0_chr1_54731550_f	0	NR_037641
## 1331	NM_001291332_intron_0_0_chr1_54641969_f	0	NM_001291332
## 1332	NM_001291332_intron_2_0_chr1_54668938_f	0	NM_001291332
## 1333	NM_015306_intron_13_0_chr1_55154281_r	0	NM_015306
## 1334	NM_017904_intron_4_0_chr1_54785645_r	0	NM_017904
## 1335	NR_110451_intron_0_0_chr1_55040404_f	0	NR_110451
## 1336	NR_110451_intron_1_0_chr1_55052412_f	0	NR_110451
## 1337	NR_110451_intron_2_0_chr1_55052792_f	0	NR_110451
## 1338	NR_110451_intron_3_0_chr1_55056190_f	0	NR_110451
## 1339	NR_110451_intron_4_0_chr1_55057515_f	0	NR_110451
## 1340	NR_110451_intron_5_0_chr1_55058158_f	0	NR_110451
## 1341	NR_110451_intron_6_0_chr1_55058648_f	0	NR_110451
## 1342	NR_110451_intron_7_0_chr1_55059664_f	0	NR_110451
## 1343	NR_110451_intron_8_0_chr1_55061557_f	0	NR_110451
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## 1346	NM_174936_intron_2_0_chr1_55046647_f	0	NM_174936
## 1347	NM_174936_intron_7_0_chr1_55058210_f	0	NM_174936
## 1348	NM_001365795_intron_0_0_chr1_57291167_r	0	NM_001365795
## 1349	NM_001353983_intron_0_0_chr1_57291167_r	0	NM_001353983
## 1350	NM_001365794_intron_0_0_chr1_57291167_r	0	NM_001365794
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## 1355	NM_000562_intron_3_0_chr1_56876210_f	0	NM_000562
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## 1357	NM_000562_intron_5_0_chr1_56883682_f	0	NM_000562
## 1358	NM_000562_intron_6_0_chr1_56886168_f	0	NM_000562
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## 1360	NM_000562_intron_8_0_chr1_56908114_f	0	NM_000562
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## 1363	NM_001004303_intron_17_0_chr1_56720056_r	0	NM_001004303

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## 1366	NM_001004303_intron_14_0_chr1_56726584_r	0 NM_001004303
## 1367	NM_001004303_intron_13_0_chr1_56737148_r	0 NM_001004303
## 1368	NM_001004303_intron_12_0_chr1_56738654_r	0 NM_001004303
## 1369	NM_001004303_intron_11_0_chr1_56740796_r	0 NM_001004303
## 1370	NM_001004303_intron_10_0_chr1_56742222_r	0 NM_001004303
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## 1372	NM_001004303_intron_8_0_chr1_56744267_r	0 NM_001004303
## 1373	NM_001004303_intron_7_0_chr1_56751204_r	0 NM_001004303
## 1374	NM_001004303_intron_6_0_chr1_56753936_r	0 NM_001004303
## 1375	NM_001004303_intron_5_0_chr1_56755928_r	0 NM_001004303
## 1376	NM_001004303_intron_4_0_chr1_56758751_r	0 NM_001004303
## 1377	NM_001004303_intron_3_0_chr1_56767939_r	0 NM_001004303
## 1378	NM_001004303_intron_2_0_chr1_56787209_r	0 NM_001004303
## 1379	NM_001004303_intron_1_0_chr1_56789135_r	0 NM_001004303
## 1380	NM_001004303_intron_0_0_chr1_56792804_r	0 NM_001004303
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## 1382	NM_001350792_intron_1_0_chr1_59321751_f	0 NM_001350792
## 1383	NM_001350792_intron_2_0_chr1_59325850_f	0 NM_001350792
## 1384	NM_001350792_intron_3_0_chr1_59326838_f	0 NM_001350792
## 1385	NR_034014_intron_0_0_chr1_58785306_f	0 NR_034014
## 1386	NR_034014_intron_1_0_chr1_58893718_f	0 NR_034014
## 1387	NR_034014_intron_2_0_chr1_58896386_f	0 NR_034014
## 1388	NR_034015_intron_1_0_chr1_58893718_f	0 NR_034015
## 1389	NR_108106_intron_0_0_chr1_58785306_f	0 NR_108106
## 1390	NM_001113411_intron_10_0_chr1_59638376_f	0 NM_001113411
## 1391	NM_001113411_intron_11_0_chr1_59641352_f	0 NM_001113411
## 1392	NM_001350791_intron_0_0_chr1_59310181_f	0 NM_001350791
## 1393	NM_001350795_intron_1_0_chr1_59321751_f	0 NM_001350795
## 1394	NM_001350799_intron_1_0_chr1_59321751_f	0 NM_001350799
## 1395	NM_001278224_intron_0_0_chr1_59515796_f	0 NM_001278224
## 1396	NM_001350797_intron_2_0_chr1_59340070_f	0 NM_001350797
## 1397	NR_103473_intron_0_0_chr1_59297151_f	0 NR_103473
## 1398	NR_103473_intron_1_0_chr1_59315737_f	0 NR_103473
## 1399	NR_103473_intron_14_0_chr1_59674134_f	0 NR_103473
## 1400	NR_103473_intron_15_0_chr1_59697741_f	0 NR_103473
## 1401	NM_001350796_intron_0_0_chr1_59296908_f	0 NM_001350796
## 1402	NR_146508_intron_6_0_chr1_60517039_r	0 NR_146508
## 1403	NR_146508_intron_5_0_chr1_60529250_r	0 NR_146508
## 1404	NR_146508_intron_4_0_chr1_60540434_r	0 NR_146508
## 1405	NR_146508_intron_3_0_chr1_60542412_r	0 NR_146508
## 1406	NR_146508_intron_2_0_chr1_60588163_r	0 NR_146508
## 1407	NR_146508_intron_1_0_chr1_60596374_r	0 NR_146508
## 1408	NR_146508_intron_0_0_chr1_60600251_r	0 NR_146508
## 1409	NR_134982_intron_7_0_chr1_59901104_r	0 NR_134982
## 1410	NR_134982_intron_6_0_chr1_59904517_r	0 NR_134982
## 1411	NM_152377_intron_10_0_chr1_59990834_r	0 NM_152377
## 1412	NM_152377_intron_9_0_chr1_59997817_r	0 NM_152377
## 1413	NM_152377_intron_8_0_chr1_60001157_r	0 NM_152377
## 1414	NM_152377_intron_7_0_chr1_60010457_r	0 NM_152377
## 1415	NM_152377_intron_6_0_chr1_60025499_r	0 NM_152377
## 1416	NM_152377_intron_5_0_chr1_60033642_r	0 NM_152377
## 1417	NM_152377_intron_4_0_chr1_60038108_r	0 NM_152377

## 1418	NM_152377_intron_3_0_chr1_60040181_r	0	NM_152377
## 1419	NM_152377_intron_2_0_chr1_60041132_r	0	NM_152377
## 1420	NM_152377_intron_1_0_chr1_60055439_r	0	NM_152377
## 1421	NM_152377_intron_0_0_chr1_60072671_r	0	NM_152377
## 1422	NR_134981_intron_5_0_chr1_59901104_r	0	NR_134981
## 1423	NR_110617_intron_5_0_chr1_60940632_r	0	NR_110617
## 1424	NR_110617_intron_4_0_chr1_60941253_r	0	NR_110617
## 1425	NR_110617_intron_3_0_chr1_60952685_r	0	NR_110617
## 1426	NR_110617_intron_2_0_chr1_60954371_r	0	NR_110617
## 1427	NR_110617_intron_1_0_chr1_60954603_r	0	NR_110617
## 1428	NR_110617_intron_0_0_chr1_60963805_r	0	NR_110617
## 1429	NM_181712_intron_8_0_chr1_62238382_r	0	NM_181712
## 1430	NM_181712_intron_2_0_chr1_62271590_r	0	NM_181712
## 1431	NM_181712_intron_1_0_chr1_62275088_r	0	NM_181712
## 1432	NM_181712_intron_0_0_chr1_62281635_r	0	NM_181712
## 1433	NM_001272000_intron_41_0_chr1_62477826_r	0	NM_001272000
## 1434	NM_001272000_intron_40_0_chr1_62487413_r	0	NM_001272000
## 1435	NM_001367561_intron_22_0_chr1_62543746_r	0	NM_001367561
## 1436	NM_001367561_intron_21_0_chr1_62545040_r	0	NM_001367561
## 1437	NM_001320269_intron_1_0_chr1_62271590_r	0	NM_001320269
## 1438	NR_038252_intron_10_0_chr1_63159271_r	0	NR_038252
## 1439	NR_038252_intron_9_0_chr1_63160263_r	0	NR_038252
## 1440	NR_038252_intron_8_0_chr1_63161566_r	0	NR_038252
## 1441	NR_038252_intron_7_0_chr1_63162683_r	0	NR_038252
## 1442	NR_038252_intron_6_0_chr1_63164356_r	0	NR_038252
## 1443	NR_038252_intron_5_0_chr1_63170425_r	0	NR_038252
## 1444	NR_038252_intron_4_0_chr1_63190525_r	0	NR_038252
## 1445	NR_038252_intron_3_0_chr1_63199021_r	0	NR_038252
## 1446	NR_038252_intron_2_0_chr1_63258051_r	0	NR_038252
## 1447	NR_038252_intron_1_0_chr1_63304747_r	0	NR_038252
## 1448	NR_038252_intron_0_0_chr1_63316088_r	0	NR_038252
## 1449	NR_158768_intron_0_0_chr1_64204117_f	0	NR_158768
## 1450	NR_158768_intron_1_0_chr1_64205721_f	0	NR_158768
## 1451	NR_158768_intron_2_0_chr1_64206857_f	0	NR_158768
## 1452	NR_158768_intron_3_0_chr1_64210840_f	0	NR_158768
## 1453	NR_158768_intron_4_0_chr1_64214933_f	0	NR_158768
## 1454	NR_158768_intron_5_0_chr1_64215526_f	0	NR_158768
## 1455	NR_158768_intron_6_0_chr1_64220908_f	0	NR_158768
## 1456	NR_158768_intron_7_0_chr1_64232655_f	0	NR_158768
## 1457	NR_158768_intron_8_0_chr1_64241734_f	0	NR_158768
## 1458	NM_001320923_intron_0_0_chr1_64957018_r	0	NM_001320923
## 1459	NM_001366232_intron_4_0_chr1_64214933_f	0	NM_001366232
## 1460	NM_001366232_intron_6_0_chr1_64232650_f	0	NM_001366232
## 1461	NM_001366232_intron_7_0_chr1_64241734_f	0	NM_001366232
## 1462	NM_001366232_intron_8_0_chr1_64260695_f	0	NM_001366232
## 1463	NM_001366235_intron_5_0_chr1_64220908_f	0	NM_001366235
## 1464	NM_001366234_intron_4_0_chr1_64214933_f	0	NM_001366234
## 1465	NM_001366233_intron_2_0_chr1_64206857_f	0	NM_001366233
## 1466	NM_001321856_intron_0_0_chr1_64886342_r	0	NM_001321856
## 1467	NM_001321857_intron_9_0_chr1_64855696_r	0	NM_001321857
## 1468	NM_001256865_intron_0_0_chr1_65264933_f	0	NM_001256865
## 1469	NM_001256864_intron_0_0_chr1_65309939_f	0	NM_001256864
## 1470	NM_001198688_intron_17_0_chr1_65622982_f	0	NM_001198688
## 1471	NM_014787_intron_0_0_chr1_65264933_f	0	NM_014787

## 1472	NM_001376539_intron_0_0_chr1_66533673_f	0 NM_001376539
## 1473	NM_001376539_intron_7_0_chr1_66643720_f	0 NM_001376539
## 1474	NM_001376539_intron_8_0_chr1_66660525_f	0 NM_001376539
## 1475	NM_001376539_intron_9_0_chr1_66667542_f	0 NM_001376539
## 1476	NM_001376539_intron_14_0_chr1_66679753_f	0 NM_001376539
## 1477	NM_001376539_intron_15_0_chr1_66682370_f	0 NM_001376539
## 1478	NM_001376539_intron_17_0_chr1_66690317_f	0 NM_001376539
## 1479	NM_001376543_intron_15_0_chr1_66690317_f	0 NM_001376543
## 1480	NM_001376542_intron_0_0_chr1_66533938_f	0 NM_001376542
## 1481	NM_001308203_intron_13_0_chr1_66690317_f	0 NM_001308203
## 1482	NM_001308203_intron_14_0_chr1_66694505_f	0 NM_001308203
## 1483	NM_001376549_intron_0_0_chr1_66533408_f	0 NM_001376549
## 1484	NM_001376538_intron_2_0_chr1_66633095_f	0 NM_001376538
## 1485	NM_001376538_intron_3_0_chr1_66634164_f	0 NM_001376538
## 1486	NM_001146111_intron_14_0_chr1_66984653_f	0 NM_001146111
## 1487	NM_001376537_intron_16_0_chr1_66694505_f	0 NM_001376537
## 1488	NM_024763_intron_13_0_chr1_66827047_r	0 NM_024763
## 1489	NM_024763_intron_12_0_chr1_66827911_r	0 NM_024763
## 1490	NM_024763_intron_9_0_chr1_66835778_r	0 NM_024763
## 1491	NM_144701_intron_0_0_chr1_67166542_f	0 NM_144701
## 1492	NM_144701_intron_1_0_chr1_67168191_f	0 NM_144701
## 1493	NM_144701_intron_2_0_chr1_67169639_f	0 NM_144701
## 1494	NM_144701_intron_3_0_chr1_67182960_f	0 NM_144701
## 1495	NM_144701_intron_4_0_chr1_67200898_f	0 NM_144701
## 1496	NM_144701_intron_5_0_chr1_67207056_f	0 NM_144701
## 1497	NM_144701_intron_7_0_chr1_67236803_f	0 NM_144701
## 1498	NM_144701_intron_8_0_chr1_67240282_f	0 NM_144701
## 1499	NM_144701_intron_9_0_chr1_67255928_f	0 NM_144701
## 1500	NR_047583_intron_11_0_chr1_67380124_f	0 NR_047583
## 1501	NM_018841_intron_0_0_chr1_67777508_r	0 NM_018841
## 1502	NR_047584_intron_14_0_chr1_67387208_f	0 NR_047584
## 1503	NR_146608_intron_0_0_chr1_69056048_f	0 NR_146608
## 1504	NR_146608_intron_1_0_chr1_69085299_f	0 NR_146608
## 1505	NR_146608_intron_2_0_chr1_69088563_f	0 NR_146608
## 1506	NR_146608_intron_3_0_chr1_69182862_f	0 NR_146608
## 1507	NM_001366840_intron_0_0_chr1_69568821_f	0 NM_001366840
## 1508	NM_001366840_intron_1_0_chr1_69678479_f	0 NM_001366840
## 1509	NM_001366840_intron_6_0_chr1_69838284_f	0 NM_001366840
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## 1514	NM_001366839_intron_10_0_chr1_69986387_f	0 NM_001366839
## 1515	NM_001366839_intron_11_0_chr1_69994634_f	0 NM_001366839
## 1516	NM_001366839_intron_12_0_chr1_70011927_f	0 NM_001366839
## 1517	NM_001366839_intron_13_0_chr1_70013090_f	0 NM_001366839
## 1518	NM_001366839_intron_14_0_chr1_70016535_f	0 NM_001366839
## 1519	NM_001366839_intron_15_0_chr1_70018819_f	0 NM_001366839
## 1520	NM_001366839_intron_16_0_chr1_70021130_f	0 NM_001366839
## 1521	NM_001366839_intron_17_0_chr1_70023375_f	0 NM_001366839
## 1522	NM_001366839_intron_18_0_chr1_70028372_f	0 NM_001366839
## 1523	NM_001366839_intron_19_0_chr1_70036233_f	0 NM_001366839
## 1524	NM_001366839_intron_20_0_chr1_70036625_f	0 NM_001366839
## 1525	NM_001366839_intron_21_0_chr1_70039794_f	0 NM_001366839

## 1526	NM_001366839_intron_24_0_chr1_70107827_f	0	NM_001366839
## 1527	NM_001330635_intron_19_0_chr1_70036233_f	0	NM_001330635
## 1528	NM_001330635_intron_21_0_chr1_70039794_f	0	NM_001330635
## 1529	NM_001330635_intron_22_0_chr1_70053146_f	0	NM_001330635
## 1530	NM_001350216_intron_23_0_chr1_70089820_f	0	NM_001350216
## 1531	NM_001366842_intron_0_0_chr1_69569505_f	0	NM_001366842
## 1532	NM_001370785_intron_20_0_chr1_70039794_f	0	NM_001370785
## 1533	NM_001370785_intron_21_0_chr1_70044095_f	0	NM_001370785
## 1534	NR_125938_intron_0_0_chr1_70706532_f	0	NR_125938
## 1535	NR_125938_intron_1_0_chr1_70707982_f	0	NR_125938
## 1536	NR_125938_intron_2_0_chr1_70708771_f	0	NR_125938
## 1537	NR_125938_intron_3_0_chr1_70712132_f	0	NR_125938
## 1538	NR_125938_intron_4_0_chr1_70713308_f	0	NR_125938
## 1539	NR_125938_intron_5_0_chr1_70777696_f	0	NR_125938
## 1540	NM_198718_intron_2_0_chr1_70953060_r	0	NM_198718
## 1541	NM_198717_intron_1_0_chr1_70852860_r	0	NM_198717
## 1542	NM_198716_intron_2_0_chr1_70852860_r	0	NM_198716
## 1543	NM_198714_intron_2_0_chr1_70953790_r	0	NM_198714
## 1544	NR_028293_intron_3_0_chr1_70852860_r	0	NR_028293
## 1545	NR_028293_intron_2_0_chr1_70862398_r	0	NR_028293
## 1546	NR_028293_intron_1_0_chr1_70869320_r	0	NR_028293
## 1547	NR_028292_intron_2_0_chr1_70869320_r	0	NR_028292
## 1548	NR_028294_intron_3_0_chr1_70862398_r	0	NR_028294
## 1549	NR_028294_intron_2_0_chr1_70865834_r	0	NR_028294
## 1550	NR_046218_intron_1_0_chr1_71794537_r	0	NR_046218
## 1551	NR_046218_intron_0_0_chr1_71798271_r	0	NR_046218
## 1552	NM_001322315_intron_6_0_chr1_74026970_r	0	NM_001322315
## 1553	NM_001322315_intron_5_0_chr1_74041934_r	0	NM_001322315
## 1554	NM_001322315_intron_4_0_chr1_74074791_r	0	NM_001322315
## 1555	NM_001322315_intron_3_0_chr1_74109554_r	0	NM_001322315
## 1556	NM_001322315_intron_2_0_chr1_74155867_r	0	NM_001322315
## 1557	NM_001105659_intron_6_0_chr1_74026970_r	0	NM_001105659
## 1558	NR_121671_intron_0_0_chr1_74577510_f	0	NR_121671
## 1559	NR_121671_intron_1_0_chr1_74615297_f	0	NR_121671
## 1560	NM_001002912_intron_13_0_chr1_74570440_r	0	NM_001002912
## 1561	NM_001002912_intron_12_0_chr1_74573492_r	0	NM_001002912
## 1562	NM_001002912_intron_11_0_chr1_74576937_r	0	NM_001002912
## 1563	NM_001002912_intron_10_0_chr1_74590081_r	0	NM_001002912
## 1564	NM_001002912_intron_9_0_chr1_74599932_r	0	NM_001002912
## 1565	NM_001002912_intron_8_0_chr1_74606903_r	0	NM_001002912
## 1566	NM_001002912_intron_7_0_chr1_74612810_r	0	NM_001002912
## 1567	NM_001002912_intron_6_0_chr1_74620915_r	0	NM_001002912
## 1568	NM_001002912_intron_5_0_chr1_74631929_r	0	NM_001002912
## 1569	NM_001002912_intron_4_0_chr1_74636439_r	0	NM_001002912
## 1570	NM_001002912_intron_3_0_chr1_74641460_r	0	NM_001002912
## 1571	NM_001002912_intron_2_0_chr1_74643099_r	0	NM_001002912
## 1572	NM_001002912_intron_1_0_chr1_74646793_r	0	NM_001002912
## 1573	NM_001002912_intron_0_0_chr1_74649316_r	0	NM_001002912
## 1574	NM_001286044_intron_2_0_chr1_75732923_f	0	NM_001286044
## 1575	NM_001286043_intron_4_0_chr1_75733150_f	0	NM_001286043
## 1576	NM_002440_intron_0_0_chr1_75797230_f	0	NM_002440
## 1577	NM_002440_intron_2_0_chr1_75807142_f	0	NM_002440
## 1578	NM_002440_intron_3_0_chr1_75810808_f	0	NM_002440
## 1579	NM_002440_intron_4_0_chr1_75815137_f	0	NM_002440

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## 1584	NM_002440_intron_9_0_chr1_75877001_f	0	NM_002440
## 1585	NM_002440_intron_11_0_chr1_75879129_f	0	NM_002440
## 1586	NM_002440_intron_12_0_chr1_75880154_f	0	NM_002440
## 1587	NM_002440_intron_13_0_chr1_75881371_f	0	NM_002440
## 1588	NM_002440_intron_17_0_chr1_75898082_f	0	NM_002440
## 1589	NM_001320274_intron_0_0_chr1_76867691_f	0	NM_001320274
## 1590	NM_001320274_intron_1_0_chr1_76868743_f	0	NM_001320274
## 1591	NM_012093_intron_0_0_chr1_77283612_f	0	NM_012093
## 1592	NM_001320273_intron_1_0_chr1_76868743_f	0	NM_001320273
## 1593	NM_001320273_intron_2_0_chr1_77050366_f	0	NM_001320273
## 1594	NM_030965_intron_1_0_chr1_76868743_f	0	NM_030965
## 1595	NM_030965_intron_2_0_chr1_77044614_f	0	NM_030965
## 1596	NR_027310_intron_0_0_chr1_78229730_f	0	NR_027310
## 1597	NR_027310_intron_1_0_chr1_78250374_f	0	NR_027310
## 1598	NR_027310_intron_2_0_chr1_78251878_f	0	NR_027310
## 1599	NR_027310_intron_3_0_chr1_78342641_f	0	NR_027310
## 1600	NR_027310_intron_4_0_chr1_78368728_f	0	NR_027310
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## 1602	NM_001363583_intron_0_0_chr1_77779968_f	0	NM_001363583
## 1603	NM_001317099_intron_0_0_chr1_77980323_f	0	NM_001317099
## 1604	NM_001363586_intron_0_0_chr1_77779968_f	0	NM_001363586
## 1605	NM_001317100_intron_0_0_chr1_77979620_f	0	NM_001317100
## 1606	NM_001317100_intron_1_0_chr1_77992867_f	0	NM_001317100
## 1607	NM_001304725_intron_0_0_chr1_78045095_f	0	NM_001304725
## 1608	NM_001039585_intron_1_0_chr1_78493542_f	0	NM_001039585
## 1609	NM_001039585_intron_2_0_chr1_78497945_f	0	NM_001039585
## 1610	NR_125941_intron_0_0_chr1_80535943_f	0	NR_125941
## 1611	NR_125940_intron_0_0_chr1_80535943_f	0	NR_125940
## 1612	NR_125940_intron_1_0_chr1_80540637_f	0	NR_125940
## 1613	NR_125943_intron_2_0_chr1_81514046_r	0	NR_125943
## 1614	NR_125943_intron_1_0_chr1_81514707_r	0	NR_125943
## 1615	NR_125943_intron_0_0_chr1_81515196_r	0	NR_125943
## 1616	NM_001297706_intron_0_0_chr1_81800513_f	0	NM_001297706
## 1617	NM_001297706_intron_17_0_chr1_81984712_f	0	NM_001297706
## 1618	NM_001366006_intron_0_0_chr1_81801069_f	0	NM_001366006
## 1619	NM_001366006_intron_21_0_chr1_81987030_f	0	NM_001366006
## 1620	NM_001366006_intron_22_0_chr1_81987887_f	0	NM_001366006
## 1621	NM_001366002_intron_0_0_chr1_81801069_f	0	NM_001366002
## 1622	NM_001366002_intron_1_0_chr1_81811924_f	0	NM_001366002
## 1623	NM_001297705_intron_19_0_chr1_81987342_f	0	NM_001297705
## 1624	NM_001350699_intron_0_0_chr1_81800480_f	0	NM_001350699
## 1625	NM_001366007_intron_0_0_chr1_81802737_f	0	NM_001366007
## 1626	NM_001366007_intron_17_0_chr1_81979961_f	0	NM_001366007
## 1627	NM_001366007_intron_18_0_chr1_81980840_f	0	NM_001366007
## 1628	NR_147074_intron_0_0_chr1_82903824_f	0	NR_147074
## 1629	NR_147074_intron_1_0_chr1_82907583_f	0	NR_147074
## 1630	NR_147074_intron_2_0_chr1_82991981_f	0	NR_147074
## 1631	NR_147074_intron_3_0_chr1_82996777_f	0	NR_147074
## 1632	NR_147074_intron_4_0_chr1_82997590_f	0	NR_147074
## 1633	NR_147074_intron_5_0_chr1_83076225_f	0	NR_147074

## 1634	NR_147074_intron_6_0_chr1_83086315_f	0	NR_147074
## 1635	NR_147074_intron_7_0_chr1_83093984_f	0	NR_147074
## 1636	NR_147074_intron_8_0_chr1_83096978_f	0	NR_147074
## 1637	NR_147074_intron_9_0_chr1_83160667_f	0	NR_147074
## 1638	NR_119375_intron_1_0_chr1_83578673_r	0	NR_119375
## 1639	NR_119375_intron_0_0_chr1_83750300_r	0	NR_119375
## 1640	NM_001166417_intron_0_0_chr1_84680388_r	0	NM_001166417
## 1641	NM_001166295_intron_0_0_chr1_84670816_r	0	NM_001166295
## 1642	NM_001310156_intron_0_0_chr1_84506419_f	0	NM_001310156
## 1643	NM_001310156_intron_1_0_chr1_84516396_f	0	NM_001310156
## 1644	NM_001310156_intron_2_0_chr1_84520692_f	0	NM_001310156
## 1645	NM_001310156_intron_3_0_chr1_84522508_f	0	NM_001310156
## 1646	NM_001310156_intron_4_0_chr1_84525750_f	0	NM_001310156
## 1647	NM_001310156_intron_5_0_chr1_84526074_f	0	NM_001310156
## 1648	NM_001310156_intron_6_0_chr1_84532975_f	0	NM_001310156
## 1649	NM_001310156_intron_7_0_chr1_84533767_f	0	NM_001310156
## 1650	NM_001310156_intron_8_0_chr1_84544305_f	0	NM_001310156
## 1651	NM_001310156_intron_9_0_chr1_84545760_f	0	NM_001310156
## 1652	NM_001310156_intron_11_0_chr1_84550531_f	0	NM_001310156
## 1653	NM_001310156_intron_12_0_chr1_84553125_f	0	NM_001310156
## 1654	NM_021233_intron_0_0_chr1_84398690_f	0	NM_021233
## 1655	NM_021233_intron_1_0_chr1_84402079_f	0	NM_021233
## 1656	NM_021233_intron_2_0_chr1_84408519_f	0	NM_021233
## 1657	NM_021233_intron_3_0_chr1_84411000_f	0	NM_021233
## 1658	NM_021233_intron_4_0_chr1_84412547_f	0	NM_021233
## 1659	NM_001330655_intron_0_0_chr1_85358848_r	0	NM_001330655
## 1660	NM_001134445_intron_1_0_chr1_85358848_r	0	NM_001134445
## 1661	NM_001134445_intron_0_0_chr1_85496282_r	0	NM_001134445
## 1662	NM_001288563_intron_0_0_chr1_85062487_f	0	NM_001288563
## 1663	NM_001288563_intron_3_0_chr1_85081416_f	0	NM_001288563
## 1664	NM_001288563_intron_4_0_chr1_85082405_f	0	NM_001288563
## 1665	NM_001288563_intron_5_0_chr1_85084696_f	0	NM_001288563
## 1666	NM_001288563_intron_6_0_chr1_85086031_f	0	NM_001288563
## 1667	NM_001288563_intron_8_0_chr1_85094556_f	0	NM_001288563
## 1668	NM_001288563_intron_17_0_chr1_85124252_f	0	NM_001288563
## 1669	NM_001288563_intron_19_0_chr1_85128800_f	0	NM_001288563
## 1670	NR_135837_intron_3_0_chr1_86571409_r	0	NR_135837
## 1671	NR_135837_intron_2_0_chr1_86693291_r	0	NR_135837
## 1672	NR_135837_intron_1_0_chr1_86697234_r	0	NR_135837
## 1673	NR_135837_intron_0_0_chr1_86697763_r	0	NR_135837
## 1674	NR_024604_intron_0_0_chr1_86634453_f	0	NR_024604
## 1675	NR_024604_intron_1_0_chr1_86635741_f	0	NR_024604
## 1676	NR_024604_intron_2_0_chr1_86636104_f	0	NR_024604
## 1677	NR_024604_intron_3_0_chr1_86636909_f	0	NR_024604
## 1678	NR_024604_intron_4_0_chr1_86639036_f	0	NR_024604
## 1679	NR_024604_intron_5_0_chr1_86642769_f	0	NR_024604
## 1680	NR_024604_intron_6_0_chr1_86644090_f	0	NR_024604
## 1681	NR_024604_intron_7_0_chr1_86646155_f	0	NR_024604
## 1682	NR_024604_intron_8_0_chr1_86647223_f	0	NR_024604
## 1683	NR_024604_intron_9_0_chr1_86647418_f	0	NR_024604
## 1684	NR_024604_intron_10_0_chr1_86648004_f	0	NR_024604
## 1685	NR_024604_intron_11_0_chr1_86648576_f	0	NR_024604
## 1686	NR_024604_intron_12_0_chr1_86649299_f	0	NR_024604
## 1687	NR_024604_intron_13_0_chr1_86650398_f	0	NR_024604

## 1688	NM_001007022_intron_0_0_chr1_86387080_r	0	NM_001007022
## 1689	NR_144513_intron_0_0_chr1_86903449_r	0	NR_144513
## 1690	NR_144512_intron_0_0_chr1_86903449_r	0	NR_144512
## 1691	NR_110682_intron_2_0_chr1_88540660_r	0	NR_110682
## 1692	NR_110682_intron_1_0_chr1_88557049_r	0	NR_110682
## 1693	NR_110682_intron_0_0_chr1_88570196_r	0	NR_110682
## 1694	NM_001320708_intron_0_0_chr1_88684629_f	0	NM_001320708
## 1695	NR_135038_intron_1_0_chr1_90783424_r	0	NR_135038
## 1696	NR_135038_intron_0_0_chr1_90789488_r	0	NR_135038
## 1697	NR_147932_intron_0_0_chr1_90832197_r	0	NR_147932
## 1698	NR_147931_intron_1_0_chr1_90832197_r	0	NR_147931
## 1699	NR_147931_intron_0_0_chr1_90837766_r	0	NR_147931
## 1700	NM_207189_intron_0_0_chr1_91949683_f	0	NM_207189
## 1701	NM_207189_intron_1_0_chr1_91962947_f	0	NM_207189
## 1702	NM_207189_intron_2_0_chr1_91964765_f	0	NM_207189
## 1703	NM_207189_intron_3_0_chr1_91968261_f	0	NM_207189
## 1704	NM_207189_intron_4_0_chr1_91976439_f	0	NM_207189
## 1705	NM_207189_intron_5_0_chr1_91977394_f	0	NM_207189
## 1706	NM_207189_intron_6_0_chr1_91978297_f	0	NM_207189
## 1707	NM_207189_intron_7_0_chr1_91979758_f	0	NM_207189
## 1708	NM_207189_intron_8_0_chr1_91980816_f	0	NM_207189
## 1709	NM_207189_intron_9_0_chr1_91981179_f	0	NM_207189
## 1710	NM_207189_intron_10_0_chr1_91981382_f	0	NM_207189
## 1711	NM_207189_intron_11_0_chr1_91981756_f	0	NM_207189
## 1712	NM_207189_intron_12_0_chr1_91991246_f	0	NM_207189
## 1713	NM_207189_intron_13_0_chr1_91992315_f	0	NM_207189
## 1714	NM_207189_intron_14_0_chr1_91994255_f	0	NM_207189
## 1715	NM_207189_intron_15_0_chr1_92002150_f	0	NM_207189
## 1716	NM_207189_intron_16_0_chr1_92004620_f	0	NM_207189
## 1717	NM_207189_intron_17_0_chr1_92005300_f	0	NM_207189
## 1718	NM_001195684_intron_1_0_chr1_91861645_r	0	NM_001195684
## 1719	NM_001195684_intron_0_0_chr1_91899698_r	0	NM_001195684
## 1720	NM_001242810_intron_0_0_chr1_91949683_f	0	NM_001242810
## 1721	NM_001242810_intron_1_0_chr1_91950475_f	0	NM_001242810
## 1722	NM_001242805_intron_1_0_chr1_91949959_f	0	NM_001242805
## 1723	NM_001242808_intron_1_0_chr1_91962947_f	0	NM_001242808
## 1724	NM_001242806_intron_3_0_chr1_91968273_f	0	NM_001242806
## 1725	NM_001242807_intron_0_0_chr1_91949489_f	0	NM_001242807
## 1726	NM_001726_intron_0_0_chr1_91952259_f	0	NM_001726
## 1727	NR_036634_intron_2_0_chr1_91797472_r	0	NR_036634
## 1728	NR_036634_intron_1_0_chr1_91801056_r	0	NR_036634
## 1729	NM_001017975_intron_36_0_chr1_91262393_r	0	NM_001017975
## 1730	NM_001017975_intron_35_0_chr1_91262593_r	0	NM_001017975
## 1731	NM_001017975_intron_34_0_chr1_91266108_r	0	NM_001017975
## 1732	NM_001017975_intron_3_0_chr1_91385835_r	0	NM_001017975
## 1733	NM_001017975_intron_2_0_chr1_91394403_r	0	NM_001017975
## 1734	NM_001017975_intron_1_0_chr1_91396406_r	0	NM_001017975
## 1735	NM_001017975_intron_0_0_chr1_91401110_r	0	NM_001017975
## 1736	NR_165455_intron_19_0_chr1_91316185_r	0	NR_165455
## 1737	NR_165455_intron_16_0_chr1_91322998_r	0	NR_165455
## 1738	NR_165455_intron_15_0_chr1_91324767_r	0	NR_165455
## 1739	NR_165455_intron_14_0_chr1_91347477_r	0	NR_165455
## 1740	NR_165455_intron_11_0_chr1_91353300_r	0	NR_165455
## 1741	NR_165455_intron_0_0_chr1_91401110_r	0	NR_165455

## 1742	NM_001308248_intron_0_0_chr1_92736628_r	0	NM_001308248
## 1743	NM_001350198_intron_18_0_chr1_92513974_r	0	NM_001350198
## 1744	NM_001252273_intron_3_0_chr1_92833035_r	0	NM_001252273
## 1745	NM_001252270_intron_2_0_chr1_92844196_r	0	NM_001252270
## 1746	NM_001252269_intron_0_0_chr1_92850956_r	0	NM_001252269
## 1747	NM_001377213_intron_3_0_chr1_92703620_r	0	NM_001377213
## 1748	NM_001377211_intron_16_0_chr1_92563738_r	0	NM_001377211
## 1749	NM_001377211_intron_12_0_chr1_92636295_r	0	NM_001377211
## 1750	NM_001377210_intron_0_0_chr1_92736628_r	0	NM_001377210
## 1751	NM_000350_intron_48_0_chr1_93993243_r	0	NM_000350
## 1752	NM_000350_intron_47_0_chr1_93996196_r	0	NM_000350
## 1753	NM_000350_intron_46_0_chr1_93998111_r	0	NM_000350
## 1754	NM_000350_intron_45_0_chr1_94000929_r	0	NM_000350
## 1755	NM_000350_intron_44_0_chr1_94001106_r	0	NM_000350
## 1756	NM_000350_intron_43_0_chr1_94001993_r	0	NM_000350
## 1757	NM_000350_intron_42_0_chr1_94005583_r	0	NM_000350
## 1758	NM_000350_intron_41_0_chr1_94007741_r	0	NM_000350
## 1759	NM_000350_intron_40_0_chr1_94008298_r	0	NM_000350
## 1760	NM_000350_intron_39_0_chr1_94008872_r	0	NM_000350
## 1761	NM_000350_intron_38_0_chr1_94010930_r	0	NM_000350
## 1762	NM_000350_intron_37_0_chr1_94011386_r	0	NM_000350
## 1763	NM_000350_intron_36_0_chr1_94014691_r	0	NM_000350
## 1764	NM_000350_intron_35_0_chr1_94015855_r	0	NM_000350
## 1765	NM_000350_intron_34_0_chr1_94019760_r	0	NM_000350
## 1766	NM_000350_intron_33_0_chr1_94021410_r	0	NM_000350
## 1767	NM_000350_intron_32_0_chr1_94021715_r	0	NM_000350
## 1768	NM_000350_intron_31_0_chr1_94021952_r	0	NM_000350
## 1769	NM_000350_intron_30_0_chr1_94023419_r	0	NM_000350
## 1770	NM_000350_intron_29_0_chr1_94025049_r	0	NM_000350
## 1771	NM_000350_intron_28_0_chr1_94029632_r	0	NM_000350
## 1772	NM_000350_intron_27_0_chr1_94030527_r	0	NM_000350
## 1773	NM_000350_intron_26_0_chr1_94031121_r	0	NM_000350
## 1774	NM_000350_intron_25_0_chr1_94032044_r	0	NM_000350
## 1775	NM_000350_intron_24_0_chr1_94036789_r	0	NM_000350
## 1776	NM_000350_intron_23_0_chr1_94037351_r	0	NM_000350
## 1777	NM_000350_intron_22_0_chr1_94040128_r	0	NM_000350
## 1778	NM_000350_intron_21_0_chr1_94041403_r	0	NM_000350
## 1779	NM_000350_intron_20_0_chr1_94042899_r	0	NM_000350
## 1780	NM_000350_intron_19_0_chr1_94043476_r	0	NM_000350
## 1781	NM_000350_intron_18_0_chr1_94044745_r	0	NM_000350
## 1782	NM_000350_intron_17_0_chr1_94047094_r	0	NM_000350
## 1783	NM_000350_intron_16_0_chr1_94048958_r	0	NM_000350
## 1784	NM_000350_intron_15_0_chr1_94051699_r	0	NM_000350
## 1785	NM_000350_intron_14_0_chr1_94055316_r	0	NM_000350
## 1786	NM_000350_intron_13_0_chr1_94056823_r	0	NM_000350
## 1787	NM_000350_intron_12_0_chr1_94060760_r	0	NM_000350
## 1788	NM_000350_intron_11_0_chr1_94062754_r	0	NM_000350
## 1789	NM_000350_intron_10_0_chr1_94063318_r	0	NM_000350
## 1790	NM_000350_intron_9_0_chr1_94077888_r	0	NM_000350
## 1791	NM_000350_intron_8_0_chr1_94078707_r	0	NM_000350
## 1792	NM_000350_intron_7_0_chr1_94079462_r	0	NM_000350
## 1793	NM_000350_intron_6_0_chr1_94080719_r	0	NM_000350
## 1794	NM_000350_intron_5_0_chr1_94083442_r	0	NM_000350
## 1795	NM_000350_intron_4_0_chr1_94098992_r	0	NM_000350

## 1796	NM_000350_intron_3_0_chr1_94103143_r	0	NM_000350
## 1797	NM_000350_intron_2_0_chr1_94108717_r	0	NM_000350
## 1798	NM_000350_intron_1_0_chr1_94111580_r	0	NM_000350
## 1799	NM_000350_intron_0_0_chr1_94113067_r	0	NM_000350
## 1800	NM_001328665_intron_10_0_chr1_94190084_r	0	NM_001328665
## 1801	NM_001328665_intron_0_0_chr1_94220393_r	0	NM_001328665
## 1802	NM_001261408_intron_2_0_chr1_93674942_r	0	NM_001261408
## 1803	NM_001261408_intron_1_0_chr1_93706143_r	0	NM_001261408
## 1804	NM_001261409_intron_0_0_chr1_93674942_r	0	NM_001261409
## 1805	NM_001261410_intron_0_0_chr1_93592394_r	0	NM_001261410
## 1806	NM_001328664_intron_0_0_chr1_94231644_r	0	NM_001328664
## 1807	NM_001164473_intron_8_0_chr1_93534909_f	0	NM_001164473
## 1808	NM_001164473_intron_9_0_chr1_93536491_f	0	NM_001164473
## 1809	NM_001164473_intron_10_0_chr1_93541057_f	0	NM_001164473
## 1810	NR_131032_intron_0_0_chr1_95027261_r	0	NR_131032
## 1811	NM_001199679_intron_0_0_chr1_95092882_f	0	NM_001199679
## 1812	NM_001199691_intron_5_0_chr1_95173890_f	0	NM_001199691
## 1813	NM_001199691_intron_6_0_chr1_95230995_f	0	NM_001199691
## 1814	NM_001305242_intron_2_0_chr1_95027261_r	0	NM_001305242
## 1815	NM_001305242_intron_1_0_chr1_95035883_r	0	NM_001305242
## 1816	NR_160779_intron_4_0_chr1_94617072_r	0	NR_160779
## 1817	NR_160779_intron_3_0_chr1_94624610_r	0	NR_160779
## 1818	NR_160779_intron_2_0_chr1_94638559_r	0	NR_160779
## 1819	NR_160779_intron_1_0_chr1_94679608_r	0	NR_160779
## 1820	NR_160779_intron_0_0_chr1_94770314_r	0	NR_160779
## 1821	NR_160780_intron_1_0_chr1_94679608_r	0	NR_160780
## 1822	NR_160780_intron_0_0_chr1_94732438_r	0	NR_160780
## 1823	NR_104131_intron_3_0_chr1_94658056_r	0	NR_104131
## 1824	NR_104131_intron_2_0_chr1_94679608_r	0	NR_104131
## 1825	NR_104131_intron_1_0_chr1_94705558_r	0	NR_104131
## 1826	NR_160781_intron_3_0_chr1_94673272_r	0	NR_160781
## 1827	NR_160782_intron_1_0_chr1_94732438_r	0	NR_160782
## 1828	NR_160783_intron_1_0_chr1_94679608_r	0	NR_160783
## 1829	NR_160784_intron_0_0_chr1_94705558_r	0	NR_160784
## 1830	NR_110693_intron_4_0_chr1_96255751_r	0	NR_110693
## 1831	NR_110693_intron_3_0_chr1_96303565_r	0	NR_110693
## 1832	NR_110693_intron_2_0_chr1_96304339_r	0	NR_110693
## 1833	NR_110693_intron_1_0_chr1_96353233_r	0	NR_110693
## 1834	NR_110693_intron_0_0_chr1_96355268_r	0	NR_110693
## 1835	NR_046590_intron_0_0_chr1_97095987_f	0	NR_046590
## 1836	NR_046590_intron_1_0_chr1_97265478_f	0	NR_046590
## 1837	NR_046590_intron_2_0_chr1_97306310_f	0	NR_046590
## 1838	NR_046590_intron_3_0_chr1_97308425_f	0	NR_046590
## 1839	NM_001300987_intron_2_0_chr1_96749687_f	0	NM_001300987
## 1840	NM_001300986_intron_0_0_chr1_96721897_f	0	NM_001300986
## 1841	NM_001300990_intron_1_0_chr1_96723595_f	0	NM_001300990
## 1842	NR_046105_intron_3_0_chr1_97989570_r	0	NR_046105
## 1843	NR_046105_intron_2_0_chr1_97995001_r	0	NR_046105
## 1844	NR_046105_intron_1_0_chr1_98046397_r	0	NR_046105
## 1845	NR_046105_intron_0_0_chr1_98046628_r	0	NR_046105
## 1846	NM_001037317_intron_4_0_chr1_98893105_r	0	NM_001037317
## 1847	NM_001037317_intron_3_0_chr1_98914921_r	0	NM_001037317
## 1848	NM_001037317_intron_2_0_chr1_98922059_r	0	NM_001037317
## 1849	NM_001037317_intron_1_0_chr1_98953321_r	0	NM_001037317

## 1850	NM_001037317_intron_0_0_chr1_98956742_r	0	NM_001037317
## 1851	NR_033940_intron_0_0_chr1_99004646_f	0	NR_033940
## 1852	NR_033940_intron_1_0_chr1_99144131_f	0	NR_033940
## 1853	NR_125951_intron_1_0_chr1_99472650_r	0	NR_125951
## 1854	NR_125951_intron_0_0_chr1_99480238_r	0	NR_125951
## 1855	NR_033716_intron_7_0_chr1_98701904_f	0	NR_033716
## 1856	NM_152238_intron_2_0_chr1_98691186_f	0	NM_152238
## 1857	NM_001010861_intron_4_0_chr1_98893105_r	0	NM_001010861
## 1858	NM_001013660_intron_14_0_chr1_99709260_r	0	NM_001013660
## 1859	NM_001013660_intron_0_0_chr1_99749002_r	0	NM_001013660
## 1860	NM_000644_intron_0_0_chr1_99850619_f	0	NM_000644
## 1861	NM_001271685_intron_0_0_chr1_99970645_f	0	NM_001271685
## 1862	NM_000028_intron_0_0_chr1_99850899_f	0	NM_000028
## 1863	NM_000646_intron_0_0_chr1_99851125_f	0	NM_000646
## 1864	NM_000646_intron_1_0_chr1_99852704_f	0	NM_000646
## 1865	NM_001319211_intron_0_0_chr1_100345184_f	0	NM_001319211
## 1866	NM_001319210_intron_15_0_chr1_100504938_f	0	NM_001319210
## 1867	NM_000643_intron_0_0_chr1_99850619_f	0	NM_000643
## 1868	NR_110211_intron_5_0_chr1_101804916_r	0	NR_110211
## 1869	NR_110211_intron_4_0_chr1_101806183_r	0	NR_110211
## 1870	NR_110211_intron_3_0_chr1_101813147_r	0	NR_110211
## 1871	NR_110211_intron_0_0_chr1_101837026_r	0	NR_110211
## 1872	NM_001288823_intron_1_0_chr1_101837026_r	0	NM_001288823
## 1873	NM_001288823_intron_0_0_chr1_101967581_r	0	NM_001288823
## 1874	NM_001288821_intron_0_0_chr1_101837026_r	0	NM_001288821
## 1875	NM_001854_intron_65_0_chr1_102878166_r	0	NM_001854
## 1876	NM_001854_intron_64_0_chr1_102879917_r	0	NM_001854
## 1877	NM_001854_intron_63_0_chr1_102881766_r	0	NM_001854
## 1878	NM_001854_intron_62_0_chr1_102883312_r	0	NM_001854
## 1879	NM_001854_intron_61_0_chr1_102887057_r	0	NM_001854
## 1880	NM_001854_intron_60_0_chr1_102888631_r	0	NM_001854
## 1881	NM_001854_intron_59_0_chr1_102888759_r	0	NM_001854
## 1882	NM_001854_intron_58_0_chr1_102888920_r	0	NM_001854
## 1883	NM_001854_intron_57_0_chr1_102889563_r	0	NM_001854
## 1884	NM_001854_intron_56_0_chr1_102890505_r	0	NM_001854
## 1885	NM_001854_intron_55_0_chr1_102898179_r	0	NM_001854
## 1886	NM_001854_intron_54_0_chr1_102898774_r	0	NM_001854
## 1887	NM_001854_intron_53_0_chr1_102898995_r	0	NM_001854
## 1888	NM_001854_intron_52_0_chr1_102912213_r	0	NM_001854
## 1889	NM_001854_intron_51_0_chr1_102913691_r	0	NM_001854
## 1890	NM_001854_intron_50_0_chr1_102914406_r	0	NM_001854
## 1891	NM_001854_intron_49_0_chr1_102914812_r	0	NM_001854
## 1892	NM_001854_intron_48_0_chr1_102915685_r	0	NM_001854
## 1893	NM_001854_intron_47_0_chr1_102920365_r	0	NM_001854
## 1894	NM_001854_intron_46_0_chr1_102921572_r	0	NM_001854
## 1895	NM_001854_intron_45_0_chr1_102923390_r	0	NM_001854
## 1896	NM_001854_intron_44_0_chr1_102934557_r	0	NM_001854
## 1897	NM_001854_intron_43_0_chr1_102935114_r	0	NM_001854
## 1898	NM_001854_intron_42_0_chr1_102939089_r	0	NM_001854
## 1899	NM_001854_intron_41_0_chr1_102940435_r	0	NM_001854
## 1900	NM_001854_intron_40_0_chr1_102946957_r	0	NM_001854
## 1901	NM_001854_intron_39_0_chr1_102961920_r	0	NM_001854
## 1902	NM_001854_intron_38_0_chr1_102962266_r	0	NM_001854
## 1903	NM_001854_intron_37_0_chr1_102962761_r	0	NM_001854

## 1904	NM_001854_intron_36_0_chr1_102965541_r	0	NM_001854
## 1905	NM_001854_intron_35_0_chr1_102970273_r	0	NM_001854
## 1906	NM_001854_intron_34_0_chr1_102974884_r	0	NM_001854
## 1907	NM_001854_intron_33_0_chr1_102978753_r	0	NM_001854
## 1908	NM_001854_intron_32_0_chr1_102978914_r	0	NM_001854
## 1909	NM_001854_intron_31_0_chr1_102979105_r	0	NM_001854
## 1910	NM_001854_intron_30_0_chr1_102979436_r	0	NM_001854
## 1911	NM_001854_intron_29_0_chr1_102984192_r	0	NM_001854
## 1912	NM_001854_intron_28_0_chr1_102987741_r	0	NM_001854
## 1913	NM_001854_intron_27_0_chr1_102989572_r	0	NM_001854
## 1914	NM_001854_intron_26_0_chr1_102995909_r	0	NM_001854
## 1915	NM_001854_intron_25_0_chr1_102996043_r	0	NM_001854
## 1916	NM_001854_intron_24_0_chr1_102997125_r	0	NM_001854
## 1917	NM_001854_intron_23_0_chr1_102998364_r	0	NM_001854
## 1918	NM_001854_intron_22_0_chr1_103001970_r	0	NM_001854
## 1919	NM_001854_intron_21_0_chr1_103002482_r	0	NM_001854
## 1920	NM_001854_intron_20_0_chr1_103002792_r	0	NM_001854
## 1921	NM_001854_intron_19_0_chr1_103003269_r	0	NM_001854
## 1922	NM_001854_intron_18_0_chr1_103004489_r	0	NM_001854
## 1923	NM_001854_intron_17_0_chr1_103004662_r	0	NM_001854
## 1924	NM_001854_intron_16_0_chr1_103005892_r	0	NM_001854
## 1925	NM_001854_intron_15_0_chr1_103006122_r	0	NM_001854
## 1926	NM_001854_intron_14_0_chr1_103006316_r	0	NM_001854
## 1927	NM_001854_intron_13_0_chr1_103008517_r	0	NM_001854
## 1928	NM_001854_intron_12_0_chr1_103012470_r	0	NM_001854
## 1929	NM_001854_intron_11_0_chr1_103014595_r	0	NM_001854
## 1930	NM_001854_intron_10_0_chr1_103015743_r	0	NM_001854
## 1931	NM_001854_intron_9_0_chr1_103017883_r	0	NM_001854
## 1932	NM_001854_intron_8_0_chr1_103018860_r	0	NM_001854
## 1933	NM_001854_intron_7_0_chr1_103021770_r	0	NM_001854
## 1934	NM_001854_intron_6_0_chr1_103022997_r	0	NM_001854
## 1935	NM_001854_intron_5_0_chr1_103025614_r	0	NM_001854
## 1936	NM_001854_intron_4_0_chr1_103026333_r	0	NM_001854
## 1937	NM_001854_intron_3_0_chr1_103031245_r	0	NM_001854
## 1938	NM_001854_intron_2_0_chr1_103074781_r	0	NM_001854
## 1939	NM_001854_intron_1_0_chr1_103078872_r	0	NM_001854
## 1940	NM_001854_intron_0_0_chr1_103082973_r	0	NM_001854
## 1941	NM_080630_intron_5_0_chr1_103021770_r	0	NM_080630
## 1942	NM_001190709_intron_4_0_chr1_103025614_r	0	NM_001190709
## 1943	NM_080629_intron_5_0_chr1_103025614_r	0	NM_080629
## 1944	NM_080629_intron_4_0_chr1_103025953_r	0	NM_080629
## 1945	NR_134980_intron_31_0_chr1_102979436_r	0	NR_134980
## 1946	NR_134980_intron_30_0_chr1_102979613_r	0	NR_134980
## 1947	NR_147165_intron_0_0_chr1_106818360_f	0	NR_147165
## 1948	NR_147165_intron_1_0_chr1_106820743_f	0	NR_147165
## 1949	NM_001330665_intron_0_0_chr1_107141141_f	0	NM_001330665
## 1950	NM_001330665_intron_1_0_chr1_107148840_f	0	NM_001330665
## 1951	NM_001330665_intron_2_0_chr1_107324923_f	0	NM_001330665
## 1952	NM_001330665_intron_3_0_chr1_107395327_f	0	NM_001330665
## 1953	NM_001330665_intron_4_0_chr1_107407709_f	0	NM_001330665
## 1954	NM_001330665_intron_5_0_chr1_107418646_f	0	NM_001330665
## 1955	NM_014917_intron_0_0_chr1_107140200_f	0	NM_014917
## 1956	NM_014917_intron_4_0_chr1_107407709_f	0	NM_014917
## 1957	NM_001312688_intron_5_0_chr1_107418646_f	0	NM_001312688

## 1958	NM_001312688_intron_6_0_chr1_107436800_f	0	NM_001312688
## 1959	NM_001113228_intron_0_0_chr1_107141460_f	0	NM_001113228
## 1960	NM_001113228_intron_5_0_chr1_107418646_f	0	NM_001113228
## 1961	NM_001113228_intron_6_0_chr1_107421144_f	0	NM_001113228
## 1962	NM_001113226_intron_4_0_chr1_107407709_f	0	NM_001113226
## 1963	NM_001113226_intron_5_0_chr1_107430918_f	0	NM_001113226
## 1964	NM_001372166_intron_4_0_chr1_107407709_f	0	NM_001372166
## 1965	NM_213651_intron_0_0_chr1_108185955_r	0	NM_213651
## 1966	NM_001321039_intron_14_0_chr1_108929976_f	0	NM_001321039
## 1967	NM_001284352_intron_0_0_chr1_109114337_f	0	NM_001284352
## 1968	NM_001284352_intron_16_0_chr1_109198675_f	0	NM_001284352
## 1969	NM_001284352_intron_19_0_chr1_109200901_f	0	NM_001284352
## 1970	NM_001267048_intron_0_0_chr1_109114337_f	0	NM_001267048
## 1971	NM_001267048_intron_5_0_chr1_109173558_f	0	NM_001267048
## 1972	NM_001204269_intron_3_0_chr1_110593929_r	0	NM_001204269
## 1973	NM_001204269_intron_2_0_chr1_110602171_r	0	NM_001204269
## 1974	NM_001204269_intron_1_0_chr1_110604946_r	0	NM_001204269
## 1975	NM_001204269_intron_0_0_chr1_110605723_r	0	NM_001204269
## 1976	NM_001377331_intron_0_0_chr1_110212178_f	0	NM_001377331
## 1977	NM_001377330_intron_2_0_chr1_110226179_f	0	NM_001377330
## 1978	NM_001040033_intron_0_0_chr1_110871260_f	0	NM_001040033
## 1979	NM_001291896_intron_0_0_chr1_111620348_f	0	NM_001291896
## 1980	NM_001081976_intron_0_0_chr1_111490763_r	0	NM_001081976
## 1981	NM_001370216_intron_0_0_chr1_111542510_f	0	NM_001370216
## 1982	NM_001302680_intron_0_0_chr1_111488868_r	0	NM_001302680
## 1983	NM_004980_intron_6_0_chr1_111776279_r	0	NM_004980
## 1984	NM_004980_intron_5_0_chr1_111777274_r	0	NM_004980
## 1985	NM_004980_intron_4_0_chr1_111778493_r	0	NM_004980
## 1986	NM_004980_intron_3_0_chr1_111780315_r	0	NM_004980
## 1987	NM_004980_intron_2_0_chr1_111780792_r	0	NM_004980
## 1988	NM_004980_intron_1_0_chr1_111787107_r	0	NM_004980
## 1989	NM_004980_intron_0_0_chr1_111982799_r	0	NM_004980
## 1990	NM_001378969_intron_0_0_chr1_111982799_r	0	NM_001378969
## 1991	NM_001378970_intron_4_0_chr1_111777274_r	0	NM_001378970
## 1992	NM_001312686_intron_1_0_chr1_113091384_f	0	NM_001312686
## 1993	NM_001312686_intron_2_0_chr1_113092141_f	0	NM_001312686
## 1994	NM_001308264_intron_0_0_chr1_112616896_r	0	NM_001308264
## 1995	NM_001004440_intron_0_0_chr1_112719300_f	0	NM_001004440
## 1996	NM_001004440_intron_1_0_chr1_112720635_f	0	NM_001004440
## 1997	NM_001004440_intron_2_0_chr1_112722349_f	0	NM_001004440
## 1998	NM_001004440_intron_3_0_chr1_112723166_f	0	NM_001004440
## 1999	NM_001004440_intron_4_0_chr1_112724138_f	0	NM_001004440
## 2000	NM_182759_intron_3_0_chr1_112723166_f	0	NM_182759
## 2001	NR_169586_intron_3_0_chr1_112723166_f	0	NR_169586
## 2002	NM_001253853_intron_1_0_chr1_113902735_r	0	NM_001253853
## 2003	NR_130896_intron_2_0_chr1_113777809_r	0	NR_130896
## 2004	NM_001282541_intron_19_0_chr1_114914046_f	0	NM_001282541
## 2005	NM_001172626_intron_13_0_chr1_114673273_r	0	NM_001172626
## 2006	NM_001172626_intron_5_0_chr1_114678528_r	0	NM_001172626
## 2007	NM_001172626_intron_4_0_chr1_114679709_r	0	NM_001172626
## 2008	NM_001172626_intron_3_0_chr1_114680479_r	0	NM_001172626
## 2009	NM_001172626_intron_2_0_chr1_114684365_r	0	NM_001172626
## 2010	NM_001172626_intron_0_0_chr1_114688742_r	0	NM_001172626
## 2011	NR_104211_intron_29_0_chr1_114984869_f	0	NR_104211

## 2012	NR_104211_intron_30_0_chr1_114986282_f	0	NR_104211
## 2013	NM_001282542_intron_25_0_chr1_114946382_f	0	NM_001282542
## 2014	NM_000036_intron_1_0_chr1_114688742_r	0	NM_000036
## 2015	NM_000036_intron_0_0_chr1_114693448_r	0	NM_000036
## 2016	NM_152367_intron_0_0_chr1_116111811_f	0	NM_152367
## 2017	NM_152367_intron_1_0_chr1_116112664_f	0	NM_152367
## 2018	NM_152367_intron_2_0_chr1_116121073_f	0	NM_152367
## 2019	NM_152367_intron_3_0_chr1_116124358_f	0	NM_152367
## 2020	NM_152367_intron_4_0_chr1_116127645_f	0	NM_152367
## 2021	NM_152367_intron_5_0_chr1_116128340_f	0	NM_152367
## 2022	NM_001232_intron_9_0_chr1_115701427_r	0	NM_001232
## 2023	NM_001232_intron_8_0_chr1_115702996_r	0	NM_001232
## 2024	NM_001232_intron_7_0_chr1_115705293_r	0	NM_001232
## 2025	NM_001232_intron_6_0_chr1_115717895_r	0	NM_001232
## 2026	NM_001232_intron_5_0_chr1_115725554_r	0	NM_001232
## 2027	NM_001232_intron_4_0_chr1_115727123_r	0	NM_001232
## 2028	NM_001232_intron_3_0_chr1_115732975_r	0	NM_001232
## 2029	NM_001232_intron_2_0_chr1_115738336_r	0	NM_001232
## 2030	NM_001232_intron_1_0_chr1_115740829_r	0	NM_001232
## 2031	NM_001232_intron_0_0_chr1_115744913_r	0	NM_001232
## 2032	NR_110786_intron_2_0_chr1_117026787_r	0	NR_110786
## 2033	NR_110786_intron_1_0_chr1_117032337_r	0	NR_110786
## 2034	NR_110786_intron_0_0_chr1_117050335_r	0	NR_110786
## 2035	NR_126408_intron_0_0_chr1_117295704_f	0	NR_126408
## 2036	NR_126408_intron_1_0_chr1_117296634_f	0	NR_126408
## 2037	NM_001253849_intron_4_0_chr1_117145226_r	0	NM_001253849
## 2038	NM_001253849_intron_3_0_chr1_117147783_r	0	NM_001253849
## 2039	NM_001253849_intron_2_0_chr1_117153370_r	0	NM_001253849
## 2040	NM_001253849_intron_1_0_chr1_117156922_r	0	NM_001253849
## 2041	NM_001253849_intron_0_0_chr1_117170172_r	0	NM_001253849
## 2042	NM_001253850_intron_1_0_chr1_117153370_r	0	NM_001253850
## 2043	NM_001253850_intron_0_0_chr1_117170172_r	0	NM_001253850
## 2044	NM_001542_intron_5_0_chr1_116604026_r	0	NM_001542
## 2045	NM_001542_intron_4_0_chr1_116606552_r	0	NM_001542
## 2046	NR_045604_intron_2_0_chr1_117153250_r	0	NR_045604
## 2047	NR_045603_intron_1_0_chr1_117157012_r	0	NR_045603
## 2048	NM_206996_intron_46_0_chr1_117963939_r	0	NM_206996
## 2049	NM_206996_intron_23_0_chr1_118031868_r	0	NM_206996
## 2050	NM_206996_intron_22_0_chr1_118036884_r	0	NM_206996
## 2051	NM_206996_intron_21_0_chr1_118039445_r	0	NM_206996
## 2052	NM_206996_intron_20_0_chr1_118040842_r	0	NM_206996
## 2053	NM_206996_intron_19_0_chr1_118042043_r	0	NM_206996
## 2054	NM_206996_intron_18_0_chr1_118054094_r	0	NM_206996
## 2055	NM_206996_intron_17_0_chr1_118055915_r	0	NM_206996
## 2056	NM_206996_intron_16_0_chr1_118066900_r	0	NM_206996
## 2057	NM_206996_intron_15_0_chr1_118073968_r	0	NM_206996
## 2058	NM_206996_intron_14_0_chr1_118074601_r	0	NM_206996
## 2059	NM_206996_intron_13_0_chr1_118081320_r	0	NM_206996
## 2060	NM_206996_intron_12_0_chr1_118081643_r	0	NM_206996
## 2061	NM_206996_intron_11_0_chr1_118086073_r	0	NM_206996
## 2062	NM_206996_intron_10_0_chr1_118086785_r	0	NM_206996
## 2063	NM_206996_intron_9_0_chr1_118087009_r	0	NM_206996
## 2064	NM_206996_intron_8_0_chr1_118091719_r	0	NM_206996
## 2065	NM_206996_intron_7_0_chr1_118092003_r	0	NM_206996

## 2066	NM_206996_intron_6_0_chr1_118093318_r	0	NM_206996
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## 2068	NM_206996_intron_4_0_chr1_118099801_r	0	NM_206996
## 2069	NM_206996_intron_3_0_chr1_118101927_r	0	NM_206996
## 2070	NM_206996_intron_2_0_chr1_118115442_r	0	NM_206996
## 2071	NM_206996_intron_1_0_chr1_118150630_r	0	NM_206996
## 2072	NR_125974_intron_0_0_chr1_119140794_f	0	NR_125974
## 2073	NR_125974_intron_1_0_chr1_119150747_f	0	NR_125974
## 2074	NR_125974_intron_2_0_chr1_119181462_f	0	NR_125974
## 2075	NR_125976_intron_3_0_chr1_119150747_f	0	NR_125976
## 2076	NR_125975_intron_3_0_chr1_119150747_f	0	NR_125975
## 2077	NR_125975_intron_4_0_chr1_119261717_f	0	NR_125975
## 2078	NR_125975_intron_5_0_chr1_119262945_f	0	NR_125975
## 2079	NR_102404_intron_0_0_chr1_120415305_f	0	NR_102404
## 2080	NR_102404_intron_1_0_chr1_120416116_f	0	NR_102404
## 2081	NR_102404_intron_2_0_chr1_120417812_f	0	NR_102404
## 2082	NR_102404_intron_3_0_chr1_120420119_f	0	NR_102404
## 2083	NR_102404_intron_4_0_chr1_120427848_f	0	NR_102404
## 2084	NR_102404_intron_15_0_chr1_120455461_f	0	NR_102404
## 2085	NM_001159352_intron_3_0_chr1_119799863_r	0	NM_001159352
## 2086	NM_001159352_intron_2_0_chr1_119803166_r	0	NM_001159352
## 2087	NM_001159352_intron_1_0_chr1_119808864_r	0	NM_001159352
## 2088	NM_001159352_intron_0_0_chr1_119809203_r	0	NM_001159352
## 2089	NM_001037501_intron_0_0_chr1_120415305_f	0	NM_001037501
## 2090	NM_032044_intron_0_0_chr1_119808864_r	0	NM_032044
## 2091	NR_102405_intron_4_0_chr1_120438647_f	0	NR_102405
## 2092	NR_104189_intron_2_0_chr1_121362194_r	0	NR_104189
## 2093	NR_104189_intron_1_0_chr1_121362889_r	0	NR_104189
## 2094	NR_104189_intron_0_0_chr1_121397667_r	0	NR_104189
## 2095	NR_027337_intron_0_0_chr1_121108570_r	0	NR_027337
## 2096	NR_160942_intron_1_0_chr1_121108570_r	0	NR_160942
## 2097	NR_160942_intron_0_0_chr1_121110165_r	0	NR_160942
## 2098	NR_160941_intron_1_0_chr1_121060927_r	0	NR_160941
## 2099	NR_160941_intron_0_0_chr1_121117230_r	0	NR_160941
## 2100	NR_120535_intron_0_0_chr1_143972767_f	0	NR_120535
## 2101	NM_001170755_intron_20_0_chr1_144424863_r	0	NM_001170755
## 2102	NM_001170755_intron_7_0_chr1_144440296_r	0	NM_001170755
## 2103	NM_001170755_intron_6_0_chr1_144440582_r	0	NM_001170755
## 2104	NM_001170755_intron_5_0_chr1_144442921_r	0	NM_001170755
## 2105	NM_001170755_intron_0_0_chr1_144460962_r	0	NM_001170755
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## 2108	NM_001385375_intron_0_0_chr1_144459484_r	0	NM_001385375
## 2109	NM_001385376_intron_0_0_chr1_144459465_r	0	NM_001385376
## 2110	NM_001385377_intron_0_0_chr1_144459465_r	0	NM_001385377
## 2111	NM_001385405_intron_1_0_chr1_144440296_r	0	NM_001385405
## 2112	NM_001385405_intron_0_0_chr1_144456806_r	0	NM_001385405
## 2113	NM_001385406_intron_6_0_chr1_144440296_r	0	NM_001385406
## 2114	NM_001385406_intron_5_0_chr1_144448451_r	0	NM_001385406
## 2115	NM_001385407_intron_2_0_chr1_144448917_r	0	NM_001385407
## 2116	NM_001385411_intron_1_0_chr1_144459489_r	0	NM_001385411
## 2117	NM_001385416_intron_0_0_chr1_144450871_r	0	NM_001385416
## 2118	NM_001385417_intron_1_0_chr1_144440039_r	0	NM_001385417
## 2119	NM_001385419_intron_5_0_chr1_144440582_r	0	NM_001385419

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## 2121	NM_001385421_intron_3_0_chr1_144450871_r	0 NM_001385421
## 2122	NM_001385421_intron_2_0_chr1_144452150_r	0 NM_001385421
## 2123	NM_001385429_intron_1_0_chr1_144459465_r	0 NM_001385429
## 2124	NM_001385431_intron_5_0_chr1_144440296_r	0 NM_001385431
## 2125	NM_001385433_intron_4_0_chr1_144442921_r	0 NM_001385433
## 2126	NM_001385433_intron_3_0_chr1_144448351_r	0 NM_001385433
## 2127	NM_001385434_intron_1_0_chr1_144456806_r	0 NM_001385434
## 2128	NM_001385438_intron_0_0_chr1_144450803_r	0 NM_001385438
## 2129	NM_001385442_intron_13_0_chr1_144428658_r	0 NM_001385442
## 2130	NM_001385446_intron_11_0_chr1_144426451_r	0 NM_001385446
## 2131	NM_001385448_intron_8_0_chr1_144429864_r	0 NM_001385448
## 2132	NM_001385448_intron_7_0_chr1_144431805_r	0 NM_001385448
## 2133	NR_144320_intron_0_0_chr1_145094622_f	0 NR_144320
## 2134	NM_001097613_intron_0_0_chr1_145608176_f	0 NM_001097613
## 2135	NM_001346068_intron_2_0_chr1_145103132_f	0 NM_001346068
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## 2137	NM_001278267_intron_133_0_chr1_145294073_r	0 NM_001278267
## 2138	NM_001278267_intron_130_0_chr1_145296511_r	0 NM_001278267
## 2139	NM_001278267_intron_129_0_chr1_145297248_r	0 NM_001278267
## 2140	NM_001278267_intron_128_0_chr1_145298135_r	0 NM_001278267
## 2141	NM_001278267_intron_127_0_chr1_145298839_r	0 NM_001278267
## 2142	NM_001278267_intron_124_0_chr1_145301193_r	0 NM_001278267
## 2143	NM_001278267_intron_123_0_chr1_145302897_r	0 NM_001278267
## 2144	NM_001278267_intron_121_0_chr1_145304467_r	0 NM_001278267
## 2145	NM_001278267_intron_119_0_chr1_145306066_r	0 NM_001278267
## 2146	NM_001278267_intron_118_0_chr1_145306768_r	0 NM_001278267
## 2147	NM_001278267_intron_117_0_chr1_145307650_r	0 NM_001278267
## 2148	NM_001278267_intron_115_0_chr1_145309249_r	0 NM_001278267
## 2149	NM_001278267_intron_114_0_chr1_145309949_r	0 NM_001278267
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## 2153	NM_001278267_intron_109_0_chr1_145314005_r	0 NM_001278267
## 2154	NM_001278267_intron_108_0_chr1_145314717_r	0 NM_001278267
## 2155	NM_001278267_intron_107_0_chr1_145315599_r	0 NM_001278267
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## 2157	NM_001278267_intron_105_0_chr1_145317151_r	0 NM_001278267
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## 2159	NM_001278267_intron_99_0_chr1_145321913_r	0 NM_001278267
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## 2162	NM_001278267_intron_96_0_chr1_145324237_r	0 NM_001278267
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## 2164	NM_001278267_intron_92_0_chr1_145327400_r	0 NM_001278267
## 2165	NM_001278267_intron_91_0_chr1_145328287_r	0 NM_001278267
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## 2170	NM_001278267_intron_85_0_chr1_145333054_r	0 NM_001278267
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## 2223	NM_001346071_intron_1_0_chr1_145099066_f	0 NM_001346071
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## 2225	NM_001385226_intron_2_0_chr1_144960428_r	0 NM_001385226
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## 2259	NM_001351365_intron_16_0_chr1_149494491_f	0 NM_001351365
## 2260	NM_001351365_intron_19_0_chr1_149496898_f	0 NM_001351365
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## 2276	NM_001351365_intron_89_0_chr1_149552261_f	0 NM_001351365
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## 2279	NM_001279353_intron_11_0_chr1_150110628_f	0 NM_001279353
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## 2285	NM_006862_intron_12_0_chr1_151771987_r	0	NM_006862
## 2286	NM_002016_intron_1_0_chr1_152314748_r	0	NM_002016
## 2287	NM_002016_intron_0_0_chr1_152315478_r	0	NM_002016
## 2288	NM_178428_intron_0_0_chr1_152698395_f	0	NM_178428
## 2289	NM_001324475_intron_0_0_chr1_153728212_f	0	NM_001324475
## 2290	NR_147855_intron_0_0_chr1_154403958_r	0	NR_147855
## 2291	NM_001365837_intron_3_0_chr1_154733145_r	0	NM_001365837
## 2292	NM_001365837_intron_2_0_chr1_154737089_r	0	NM_001365837
## 2293	NM_001365837_intron_0_0_chr1_154822185_r	0	NM_001365837
## 2294	NM_001261466_intron_0_0_chr1_155051466_f	0	NM_001261466
## 2295	NM_001261466_intron_1_0_chr1_155052560_f	0	NM_001261466
## 2296	NM_001348696_intron_1_0_chr1_154929058_r	0	NM_001348696
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## 2298	NM_182499_intron_6_0_chr1_154542067_f	0	NM_182499
## 2299	NM_182499_intron_8_0_chr1_154544111_f	0	NM_182499
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## 2304	NM_001282856_intron_28_0_chr1_155752591_r	0	NM_001282856
## 2305	NR_145425_intron_0_0_chr1_155319933_r	0	NR_145425
## 2306	NR_145424_intron_0_0_chr1_155322438_r	0	NR_145424
## 2307	NM_001366177_intron_6_0_chr1_155380132_r	0	NM_001366177
## 2308	NM_001282625_intron_0_0_chr1_156082664_f	0	NM_001282625
## 2309	NM_001282625_intron_1_0_chr1_156083185_f	0	NM_001282625
## 2310	NM_001282625_intron_2_0_chr1_156090583_f	0	NM_001282625
## 2311	NM_001377419_intron_19_0_chr1_156951700_r	0	NM_001377419
## 2312	NM_001377418_intron_18_0_chr1_156955803_r	0	NM_001377418
## 2313	NM_001377418_intron_0_0_chr1_156986174_r	0	NM_001377418
## 2314	NR_135760_intron_0_0_chr1_157926045_f	0	NR_135760
## 2315	NR_135760_intron_1_0_chr1_157929792_f	0	NR_135760
## 2316	NR_135760_intron_2_0_chr1_157945762_f	0	NR_135760
## 2317	NR_135216_intron_4_0_chr1_157697330_r	0	NR_135216
## 2318	NM_001320333_intron_14_0_chr1_157676769_r	0	NM_001320333
## 2319	NR_135214_intron_6_0_chr1_157695626_r	0	NR_135214
## 2320	NM_001195388_intron_13_0_chr1_157518488_r	0	NM_001195388
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## 2322	NM_001286349_intron_0_0_chr1_157993729_f	0	NM_001286349
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## 2336	NM_144699_intron_17_0_chr1_160177665_f	0	NM_144699
## 2337	NM_144699_intron_20_0_chr1_160186368_f	0	NM_144699
## 2338	NM_002241_intron_0_0_chr1_160042533_r	0	NM_002241
## 2339	NM_001035512_intron_1_0_chr1_161323671_f	0	NM_001035512
## 2340	NM_001184879_intron_3_0_chr1_160552738_r	0	NM_001184879
## 2341	NM_001035513_intron_0_0_chr1_161314426_f	0	NM_001035513
## 2342	NM_001297713_intron_3_0_chr1_162000342_r	0	NM_001297713
## 2343	NM_006182_intron_0_0_chr1_162632632_f	0	NM_006182
## 2344	NM_006182_intron_1_0_chr1_162655375_f	0	NM_006182
## 2345	NM_006182_intron_2_0_chr1_162719146_f	0	NM_006182
## 2346	NM_006182_intron_3_0_chr1_162753198_f	0	NM_006182
## 2347	NM_006182_intron_4_0_chr1_162754856_f	0	NM_006182
## 2348	NM_006182_intron_5_0_chr1_162755304_f	0	NM_006182
## 2349	NM_006182_intron_6_0_chr1_162755770_f	0	NM_006182
## 2350	NM_006182_intron_8_0_chr1_162761455_f	0	NM_006182
## 2351	NM_006182_intron_11_0_chr1_162770513_f	0	NM_006182
## 2352	NM_006182_intron_12_0_chr1_162772248_f	0	NM_006182
## 2353	NM_001254749_intron_3_0_chr1_163147504_r	0	NM_001254749
## 2354	NM_001354982_intron_0_0_chr1_162632094_f	0	NM_001354982
## 2355	NR_045630_intron_1_0_chr1_163306330_r	0	NR_045630
## 2356	NR_110699_intron_0_0_chr1_163161842_f	0	NR_110699
## 2357	NR_110699_intron_1_0_chr1_163162877_f	0	NR_110699
## 2358	NR_110699_intron_2_0_chr1_163206841_f	0	NR_110699
## 2359	NM_001254748_intron_1_0_chr1_163168369_r	0	NM_001254748
## 2360	NM_001014796_intron_1_0_chr1_162655375_f	0	NM_001014796
## 2361	NM_001014796_intron_2_0_chr1_162705132_f	0	NM_001014796
## 2362	NM_001354983_intron_0_0_chr1_162631448_f	0	NM_001354983
## 2363	NM_001195303_intron_0_0_chr1_163152717_r	0	NM_001195303
## 2364	NM_001256570_intron_9_0_chr1_165401411_r	0	NM_001256570
## 2365	NM_001256570_intron_8_0_chr1_165406918_r	0	NM_001256570
## 2366	NM_001256570_intron_7_0_chr1_165408319_r	0	NM_001256570
## 2367	NM_001256570_intron_6_0_chr1_165409691_r	0	NM_001256570
## 2368	NM_001256570_intron_5_0_chr1_165410832_r	0	NM_001256570
## 2369	NM_001256570_intron_4_0_chr1_165411110_r	0	NM_001256570
## 2370	NM_001256570_intron_3_0_chr1_165417221_r	0	NM_001256570
## 2371	NM_001256570_intron_2_0_chr1_165420015_r	0	NM_001256570
## 2372	NM_001256570_intron_1_0_chr1_165424809_r	0	NM_001256570
## 2373	NM_001256570_intron_0_0_chr1_165428967_r	0	NM_001256570
## 2374	NR_026744_intron_5_0_chr1_165477116_r	0	NR_026744
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## 2377	NR_026744_intron_2_0_chr1_165523088_r	0	NR_026744
## 2378	NR_026744_intron_1_0_chr1_165574089_r	0	NR_026744
## 2379	NR_026744_intron_0_0_chr1_165575370_r	0	NR_026744
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## 2382	NM_001174069_intron_6_0_chr1_165206035_r	0	NM_001174069
## 2383	NM_001174069_intron_5_0_chr1_165208133_r	0	NM_001174069
## 2384	NM_001174069_intron_4_0_chr1_165210777_r	0	NM_001174069
## 2385	NM_001174069_intron_3_0_chr1_165213814_r	0	NM_001174069
## 2386	NM_001174069_intron_2_0_chr1_165249641_r	0	NM_001174069
## 2387	NM_001174069_intron_1_0_chr1_165353263_r	0	NM_001174069
## 2388	NM_001174069_intron_0_0_chr1_165355582_r	0	NM_001174069
## 2389	NM_177398_intron_0_0_chr1_165355582_r	0	NM_177398

## 2390	NR_135199_intron_1_0_chr1_166060664_r	0	NR_135199
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## 2392	NR_163271_intron_1_0_chr1_166060664_r	0	NR_163271
## 2393	NM_001320302_intron_0_0_chr1_166060664_r	0	NM_001320302
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## 2395	NM_001378516_intron_0_0_chr1_167494057_r	0	NM_001378516
## 2396	NM_001322924_intron_1_0_chr1_167684002_f	0	NM_001322924
## 2397	NM_001365848_intron_1_0_chr1_167241611_f	0	NM_001365848
## 2398	NM_001286378_intron_0_0_chr1_166975667_f	0	NM_001286378
## 2399	NM_001198786_intron_4_0_chr1_167372037_f	0	NM_001198786
## 2400	NM_001349774_intron_0_0_chr1_167936510_f	0	NM_001349774
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## 2402	NM_018417_intron_30_0_chr1_167810914_r	0	NM_018417
## 2403	NM_018417_intron_29_0_chr1_167818268_r	0	NM_018417
## 2404	NM_018417_intron_28_0_chr1_167822142_r	0	NM_018417
## 2405	NM_018417_intron_27_0_chr1_167823124_r	0	NM_018417
## 2406	NM_018417_intron_26_0_chr1_167824573_r	0	NM_018417
## 2407	NM_018417_intron_25_0_chr1_167824856_r	0	NM_018417
## 2408	NM_018417_intron_24_0_chr1_167829424_r	0	NM_018417
## 2409	NM_018417_intron_23_0_chr1_167833163_r	0	NM_018417
## 2410	NM_018417_intron_22_0_chr1_167834078_r	0	NM_018417
## 2411	NM_018417_intron_21_0_chr1_167836541_r	0	NM_018417
## 2412	NM_018417_intron_20_0_chr1_167837319_r	0	NM_018417
## 2413	NM_018417_intron_19_0_chr1_167845854_r	0	NM_018417
## 2414	NM_018417_intron_18_0_chr1_167846264_r	0	NM_018417
## 2415	NM_018417_intron_17_0_chr1_167848490_r	0	NM_018417
## 2416	NM_018417_intron_16_0_chr1_167854490_r	0	NM_018417
## 2417	NM_018417_intron_15_0_chr1_167856440_r	0	NM_018417
## 2418	NM_018417_intron_14_0_chr1_167859894_r	0	NM_018417
## 2419	NM_018417_intron_13_0_chr1_167861064_r	0	NM_018417
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## 2436	NM_001349776_intron_0_0_chr1_167936822_f	0	NM_001349776
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## 2446	NR_104091_intron_0_0_chr1_169060520_r	0	NR_104091
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## 2448	NM_001375831_intron_18_0_chr1_169925856_r	0	NM_001375831
## 2449	NM_001375830_intron_19_0_chr1_169921782_r	0	NM_001375830
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## 2456	NM_001163629_intron_1_0_chr1_170945582_f	0	NM_001163629
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## 2458	NM_001163629_intron_3_0_chr1_170958541_f	0	NM_001163629
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## 2463	NM_001163629_intron_8_0_chr1_170983535_f	0	NM_001163629
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## 2471	NM_001163629_intron_16_0_chr1_171016337_f	0	NM_001163629
## 2472	NM_001163629_intron_17_0_chr1_171024548_f	0	NM_001163629
## 2473	NM_001163629_intron_18_0_chr1_171024766_f	0	NM_001163629
## 2474	NM_001163629_intron_19_0_chr1_171025421_f	0	NM_001163629
## 2475	NM_001163629_intron_20_0_chr1_171062195_f	0	NM_001163629
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## 2477	NR_037845_intron_1_0_chr1_173240024_r	0	NR_037845
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## 2480	NM_178527_intron_25_0_chr1_173503327_r	0	NM_178527
## 2481	NM_178527_intron_24_0_chr1_173505332_r	0	NM_178527
## 2482	NM_178527_intron_23_0_chr1_173507042_r	0	NM_178527
## 2483	NM_178527_intron_22_0_chr1_173509700_r	0	NM_178527
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## 2486	NM_178527_intron_19_0_chr1_173524095_r	0	NM_178527
## 2487	NM_178527_intron_18_0_chr1_173524928_r	0	NM_178527
## 2488	NM_178527_intron_17_0_chr1_173526715_r	0	NM_178527
## 2489	NM_178527_intron_16_0_chr1_173530055_r	0	NM_178527
## 2490	NM_178527_intron_15_0_chr1_173533798_r	0	NM_178527
## 2491	NM_178527_intron_14_0_chr1_173534683_r	0	NM_178527
## 2492	NM_178527_intron_13_0_chr1_173535950_r	0	NM_178527
## 2493	NM_178527_intron_12_0_chr1_173537040_r	0	NM_178527
## 2494	NM_178527_intron_11_0_chr1_173547785_r	0	NM_178527
## 2495	NM_178527_intron_10_0_chr1_173548553_r	0	NM_178527
## 2496	NM_178527_intron_9_0_chr1_173554815_r	0	NM_178527
## 2497	NM_178527_intron_8_0_chr1_173557509_r	0	NM_178527

## 2498	NM_178527_intron_7_0_chr1_173573326_r	0	NM_178527
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## 2503	NM_178527_intron_2_0_chr1_173598033_r	0	NM_178527
## 2504	NM_178527_intron_1_0_chr1_173600218_r	0	NM_178527
## 2505	NM_178527_intron_0_0_chr1_173601856_r	0	NM_178527
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## 2509	NM_001366450_intron_0_0_chr1_174700866_f	0	NM_001366450
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## 2515	NM_003285_intron_18_0_chr1_175335808_r	0	NM_003285
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## 2519	NM_003285_intron_13_0_chr1_175359732_r	0	NM_003285
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## 2543	NM_020318_intron_9_0_chr1_176706451_f	0	NM_020318
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## 2547	NM_020318_intron_13_0_chr1_176740197_f	0	NM_020318
## 2548	NM_020318_intron_14_0_chr1_176765838_f	0	NM_020318
## 2549	NM_020318_intron_15_0_chr1_176769785_f	0	NM_020318
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## 2559	NM_004319_intron_18_0_chr1_176882995_r	0	NM_004319
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## 2563	NM_004319_intron_14_0_chr1_176934341_r	0	NM_004319
## 2564	NM_004319_intron_13_0_chr1_176936371_r	0	NM_004319
## 2565	NM_004319_intron_12_0_chr1_176944019_r	0	NM_004319
## 2566	NM_004319_intron_11_0_chr1_176946121_r	0	NM_004319
## 2567	NM_004319_intron_10_0_chr1_176949352_r	0	NM_004319
## 2568	NM_004319_intron_9_0_chr1_176957829_r	0	NM_004319
## 2569	NM_004319_intron_8_0_chr1_176958483_r	0	NM_004319
## 2570	NM_004319_intron_7_0_chr1_176965238_r	0	NM_004319
## 2571	NM_004319_intron_6_0_chr1_177014876_r	0	NM_004319
## 2572	NM_004319_intron_5_0_chr1_177023572_r	0	NM_004319
## 2573	NM_004319_intron_4_0_chr1_177024733_r	0	NM_004319
## 2574	NM_004319_intron_3_0_chr1_177029742_r	0	NM_004319
## 2575	NM_004319_intron_2_0_chr1_177030953_r	0	NM_004319
## 2576	NM_004319_intron_1_0_chr1_177032850_r	0	NM_004319
## 2577	NM_004319_intron_0_0_chr1_177061266_r	0	NM_004319
## 2578	NM_001364856_intron_6_0_chr1_177014876_r	0	NM_001364856
## 2579	NM_001286164_intron_21_0_chr1_176857651_r	0	NM_001286164
## 2580	NM_001356505_intron_17_0_chr1_177954377_r	0	NM_001356505
## 2581	NM_001356505_intron_8_0_chr1_177968040_r	0	NM_001356505
## 2582	NR_151492_intron_7_0_chr1_177973310_r	0	NR_151492
## 2583	NR_151492_intron_6_0_chr1_177984419_r	0	NR_151492
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## 2585	NM_001170722_intron_1_0_chr1_178514078_f	0	NM_001170722
## 2586	NM_001170722_intron_2_0_chr1_178514769_f	0	NM_001170722
## 2587	NM_001170722_intron_3_0_chr1_178515916_f	0	NM_001170722
## 2588	NM_001170722_intron_4_0_chr1_178516675_f	0	NM_001170722
## 2589	NM_001170722_intron_5_0_chr1_178520437_f	0	NM_001170722
## 2590	NM_001170722_intron_6_0_chr1_178520875_f	0	NM_001170722
## 2591	NM_001170722_intron_7_0_chr1_178521265_f	0	NM_001170722
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## 2593	NM_032126_intron_7_0_chr1_178521265_f	0	NM_032126
## 2594	NM_001170723_intron_7_0_chr1_178521265_f	0	NM_001170723
## 2595	NM_001324310_intron_0_0_chr1_179025859_f	0	NM_001324310
## 2596	NM_004841_intron_0_0_chr1_178341609_f	0	NM_004841
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## 2598	NM_014625_intron_5_0_chr1_179552682_r	0	NM_014625
## 2599	NM_014625_intron_4_0_chr1_179554532_r	0	NM_014625
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## 2601	NM_014625_intron_2_0_chr1_179559762_r	0	NM_014625
## 2602	NM_014625_intron_1_0_chr1_179561362_r	0	NM_014625
## 2603	NM_014625_intron_0_0_chr1_179564794_r	0	NM_014625
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## 2613	NR_073544_intron_9_0_chr1_179394044_f	0	NR_073544
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## 2615	NR_073544_intron_11_0_chr1_179411267_f	0	NR_073544
## 2616	NR_073544_intron_12_0_chr1_179429620_f	0	NR_073544
## 2617	NR_073544_intron_13_0_chr1_179430607_f	0	NR_073544
## 2618	NR_073544_intron_14_0_chr1_179432343_f	0	NR_073544
## 2619	NR_073544_intron_15_0_chr1_179468642_f	0	NR_073544
## 2620	NR_073544_intron_16_0_chr1_179483222_f	0	NR_073544
## 2621	NR_073544_intron_17_0_chr1_179491738_f	0	NR_073544
## 2622	NR_073544_intron_18_0_chr1_179492952_f	0	NR_073544
## 2623	NR_073544_intron_19_0_chr1_179506927_f	0	NR_073544
## 2624	NR_073544_intron_20_0_chr1_179509404_f	0	NR_073544
## 2625	NR_073544_intron_21_0_chr1_179525448_f	0	NR_073544
## 2626	NR_073544_intron_22_0_chr1_179528432_f	0	NR_073544
## 2627	NR_073544_intron_23_0_chr1_179533878_f	0	NR_073544
## 2628	NR_073544_intron_24_0_chr1_179534963_f	0	NR_073544
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## 2686	NR_146548_intron_0_0_chr1_182712889_f	0	NR_146548
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## 2706	NM_018891_intron_19_0_chr1_183239564_f	0	NM_018891
## 2707	NM_018891_intron_20_0_chr1_183240199_f	0	NM_018891
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## 2717	NM_015039_intron_1_0_chr1_183292858_r	0	NM_015039
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## 2721	NM_001303420_intron_10_0_chr1_183930290_r	0	NM_001303420
## 2722	NM_001270439_intron_0_0_chr1_183633164_r	0	NM_001270439
## 2723	NM_001297670_intron_0_0_chr1_183636502_f	0	NM_001297670
## 2724	NM_001297670_intron_1_0_chr1_183742290_f	0	NM_001297670
## 2725	NM_001297669_intron_0_0_chr1_183636502_f	0	NM_001297669
## 2726	NM_001297669_intron_1_0_chr1_183697513_f	0	NM_001297669
## 2727	NM_015149_intron_1_0_chr1_183742290_f	0	NM_015149
## 2728	NM_001105518_intron_0_0_chr1_185157165_f	0	NM_001105518
## 2729	NM_017847_intron_10_0_chr1_186399045_f	0	NM_017847
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## 2795	NM_031935_intron_64_0_chr1_186093259_f	0	NM_031935
## 2796	NM_031935_intron_65_0_chr1_186093670_f	0	NM_031935
## 2797	NM_031935_intron_66_0_chr1_186094374_f	0	NM_031935
## 2798	NM_031935_intron_67_0_chr1_186095522_f	0	NM_031935
## 2799	NM_031935_intron_68_0_chr1_186103669_f	0	NM_031935
## 2800	NM_031935_intron_69_0_chr1_186106966_f	0	NM_031935
## 2801	NM_031935_intron_70_0_chr1_186108598_f	0	NM_031935
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## 2803	NM_031935_intron_72_0_chr1_186114124_f	0	NM_031935
## 2804	NM_031935_intron_73_0_chr1_186114947_f	0	NM_031935
## 2805	NM_031935_intron_74_0_chr1_186115415_f	0	NM_031935
## 2806	NM_031935_intron_75_0_chr1_186117116_f	0	NM_031935
## 2807	NM_031935_intron_76_0_chr1_186117624_f	0	NM_031935
## 2808	NM_031935_intron_78_0_chr1_186119883_f	0	NM_031935
## 2809	NM_031935_intron_79_0_chr1_186120146_f	0	NM_031935
## 2810	NM_031935_intron_80_0_chr1_186123221_f	0	NM_031935
## 2811	NM_031935_intron_81_0_chr1_186125795_f	0	NM_031935
## 2812	NM_031935_intron_82_0_chr1_186128292_f	0	NM_031935
## 2813	NM_031935_intron_83_0_chr1_186130101_f	0	NM_031935
## 2814	NM_031935_intron_84_0_chr1_186130698_f	0	NM_031935
## 2815	NM_031935_intron_85_0_chr1_186132410_f	0	NM_031935
## 2816	NM_031935_intron_86_0_chr1_186136938_f	0	NM_031935
## 2817	NM_031935_intron_87_0_chr1_186137669_f	0	NM_031935
## 2818	NM_031935_intron_88_0_chr1_186137973_f	0	NM_031935
## 2819	NM_031935_intron_89_0_chr1_186144344_f	0	NM_031935
## 2820	NM_031935_intron_90_0_chr1_186144704_f	0	NM_031935
## 2821	NM_031935_intron_91_0_chr1_186145574_f	0	NM_031935

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## 2825	NM_031935_intron_98_0_chr1_186166304_f	0	NM_031935
## 2826	NM_031935_intron_99_0_chr1_186166943_f	0	NM_031935
## 2827	NM_031935_intron_100_0_chr1_186171451_f	0	NM_031935
## 2828	NM_031935_intron_102_0_chr1_186174643_f	0	NM_031935
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## 2830	NM_031935_intron_104_0_chr1_186182288_f	0	NM_031935
## 2831	NM_031935_intron_105_0_chr1_186188010_f	0	NM_031935
## 2832	NR_126347_intron_0_0_chr1_187092947_f	0	NR_126347
## 2833	NR_126347_intron_1_0_chr1_187303540_f	0	NR_126347
## 2834	NR_126347_intron_2_0_chr1_187329061_f	0	NR_126347
## 2835	NM_001311193_intron_4_0_chr1_186894212_f	0	NM_001311193
## 2836	NM_199051_intron_6_0_chr1_190099135_r	0	NM_199051
## 2837	NM_199051_intron_5_0_chr1_190160891_r	0	NM_199051
## 2838	NM_199051_intron_4_0_chr1_190226319_r	0	NM_199051
## 2839	NM_199051_intron_3_0_chr1_190234478_r	0	NM_199051
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## 2848	NR_033922_intron_3_0_chr1_190793597_f	0	NR_033922
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## 2852	NM_001173525_intron_8_0_chr1_193084658_f	0	NM_001173525
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## 2854	NM_198503_intron_26_0_chr1_196228336_r	0	NM_198503
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## 2856	NM_198503_intron_24_0_chr1_196258495_r	0	NM_198503
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## 2863	NM_198503_intron_16_0_chr1_196331262_r	0	NM_198503
## 2864	NM_198503_intron_14_0_chr1_196340571_r	0	NM_198503
## 2865	NM_198503_intron_13_0_chr1_196342229_r	0	NM_198503
## 2866	NM_198503_intron_12_0_chr1_196373249_r	0	NM_198503
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## 2894	NR_146058_intron_19_0_chr1_196316027_r	0	NR_146058
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## 2896	NR_146057_intron_12_0_chr1_196342229_r	0	NR_146057
## 2897	NM_001193640_intron_0_0_chr1_197268483_f	0	NM_001193640
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## 2911	NM_001257965_intron_1_0_chr1_197302472_f	0	NM_001257965
## 2912	NM_001257965_intron_2_0_chr1_197304414_f	0	NM_001257965
## 2913	NM_001257965_intron_8_0_chr1_197428002_f	0	NM_001257965
## 2914	NM_001257965_intron_9_0_chr1_197429109_f	0	NM_001257965
## 2915	NR_047564_intron_10_0_chr1_197442535_f	0	NR_047564
## 2916	NR_047563_intron_5_0_chr1_197421542_f	0	NR_047563
## 2917	NR_125340_intron_12_0_chr1_197546774_r	0	NR_125340
## 2918	NR_040073_intron_1_0_chr1_198808244_r	0	NR_040073
## 2919	NM_001276464_intron_0_0_chr1_200042966_f	0	NM_001276464
## 2920	NM_003822_intron_0_0_chr1_200027912_f	0	NM_003822
## 2921	NM_205860_intron_0_0_chr1_200027912_f	0	NM_205860
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## 2923	NR_147176_intron_0_0_chr1_200929065_f	0	NR_147176
## 2924	NR_147176_intron_1_0_chr1_200929979_f	0	NR_147176
## 2925	NR_147176_intron_2_0_chr1_200932419_f	0	NR_147176
## 2926	NR_147176_intron_3_0_chr1_200937332_f	0	NR_147176
## 2927	NR_147176_intron_4_0_chr1_200948237_f	0	NR_147176
## 2928	NR_147176_intron_5_0_chr1_200948873_f	0	NR_147176
## 2929	NR_147176_intron_6_0_chr1_200949662_f	0	NR_147176

## 2930	NR_147176_intron_7_0_chr1_200949875_f	0	NR_147176
## 2931	NR_147176_intron_8_0_chr1_200957440_f	0	NR_147176
## 2932	NR_147176_intron_9_0_chr1_200957827_f	0	NR_147176
## 2933	NR_147176_intron_10_0_chr1_200958200_f	0	NR_147176
## 2934	NR_147176_intron_11_0_chr1_200959039_f	0	NR_147176
## 2935	NR_147176_intron_12_0_chr1_200960434_f	0	NR_147176
## 2936	NR_147176_intron_13_0_chr1_200965134_f	0	NR_147176
## 2937	NR_147176_intron_14_0_chr1_200965770_f	0	NR_147176
## 2938	NR_110787_intron_0_0_chr1_200669623_f	0	NR_110787
## 2939	NR_110787_intron_1_0_chr1_200690431_f	0	NR_110787
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## 2942	NM_001164586_intron_2_0_chr1_201194274_f	0	NM_001164586
## 2943	NM_001164586_intron_3_0_chr1_201195979_f	0	NM_001164586
## 2944	NM_001164586_intron_4_0_chr1_201197318_f	0	NM_001164586
## 2945	NM_001164586_intron_5_0_chr1_201199379_f	0	NM_001164586
## 2946	NM_001164586_intron_6_0_chr1_201199655_f	0	NM_001164586
## 2947	NM_001164586_intron_7_0_chr1_201200412_f	0	NM_001164586
## 2948	NM_001164586_intron_8_0_chr1_201201833_f	0	NM_001164586
## 2949	NM_001164586_intron_9_0_chr1_201203907_f	0	NM_001164586
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## 2953	NM_001164586_intron_13_0_chr1_201215155_f	0	NM_001164586
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## 2956	NM_001164586_intron_16_0_chr1_201217461_f	0	NM_001164586
## 2957	NM_001164586_intron_17_0_chr1_201218659_f	0	NM_001164586
## 2958	NM_001164586_intron_18_0_chr1_201221747_f	0	NM_001164586
## 2959	NM_001164586_intron_19_0_chr1_201222828_f	0	NM_001164586
## 2960	NM_001164586_intron_20_0_chr1_201224875_f	0	NM_001164586
## 2961	NM_001164586_intron_21_0_chr1_201226124_f	0	NM_001164586
## 2962	NM_001164586_intron_22_0_chr1_201227209_f	0	NM_001164586
## 2963	NM_001297707_intron_3_0_chr1_200815645_f	0	NM_001297707
## 2964	NM_001297707_intron_4_0_chr1_200828606_f	0	NM_001297707
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## 2966	NM_000069_intron_41_0_chr1_201040375_r	0	NM_000069
## 2967	NM_000069_intron_40_0_chr1_201040714_r	0	NM_000069
## 2968	NM_000069_intron_39_0_chr1_201041590_r	0	NM_000069
## 2969	NM_000069_intron_38_0_chr1_201043532_r	0	NM_000069
## 2970	NM_000069_intron_37_0_chr1_201044457_r	0	NM_000069
## 2971	NM_000069_intron_36_0_chr1_201047240_r	0	NM_000069
## 2972	NM_000069_intron_35_0_chr1_201047627_r	0	NM_000069
## 2973	NM_000069_intron_34_0_chr1_201048685_r	0	NM_000069
## 2974	NM_000069_intron_33_0_chr1_201049100_r	0	NM_000069
## 2975	NM_000069_intron_32_0_chr1_201050517_r	0	NM_000069
## 2976	NM_000069_intron_31_0_chr1_201051144_r	0	NM_000069
## 2977	NM_000069_intron_30_0_chr1_201052649_r	0	NM_000069
## 2978	NM_000069_intron_29_0_chr1_201053275_r	0	NM_000069
## 2979	NM_000069_intron_28_0_chr1_201053588_r	0	NM_000069
## 2980	NM_000069_intron_27_0_chr1_201054562_r	0	NM_000069
## 2981	NM_000069_intron_26_0_chr1_201058492_r	0	NM_000069
## 2982	NM_000069_intron_25_0_chr1_201059300_r	0	NM_000069
## 2983	NM_000069_intron_24_0_chr1_201060817_r	0	NM_000069

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## 2986	NM_000069_intron_21_0_chr1_201062515_r	0	NM_000069
## 2987	NM_000069_intron_20_0_chr1_201065946_r	0	NM_000069
## 2988	NM_000069_intron_19_0_chr1_201066317_r	0	NM_000069
## 2989	NM_000069_intron_18_0_chr1_201066994_r	0	NM_000069
## 2990	NM_000069_intron_17_0_chr1_201069197_r	0	NM_000069
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## 2992	NM_000069_intron_15_0_chr1_201070405_r	0	NM_000069
## 2993	NM_000069_intron_14_0_chr1_201072825_r	0	NM_000069
## 2994	NM_000069_intron_13_0_chr1_201073643_r	0	NM_000069
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## 2996	NM_000069_intron_11_0_chr1_201075616_r	0	NM_000069
## 2997	NM_000069_intron_10_0_chr1_201077128_r	0	NM_000069
## 2998	NM_000069_intron_9_0_chr1_201078105_r	0	NM_000069
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## 3003	NM_000069_intron_4_0_chr1_201089464_r	0	NM_000069
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## 3005	NM_000069_intron_2_0_chr1_201092115_r	0	NM_000069
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## 3008	NM_001367841_intron_11_0_chr1_201206135_f	0	NM_001367841
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## 3011	NM_020443_intron_16_0_chr1_201804066_f	0	NM_020443
## 3012	NR_046696_intron_1_0_chr1_201688414_r	0	NR_046696
## 3013	NR_046696_intron_0_0_chr1_201817302_r	0	NR_046696
## 3014	NM_001017404_intron_0_0_chr1_202214238_f	0	NM_001017404
## 3015	NM_001017404_intron_3_0_chr1_202235994_f	0	NM_001017404
## 3016	NM_000674_intron_0_0_chr1_203127929_f	0	NM_000674
## 3017	NM_000674_intron_1_0_chr1_203128433_f	0	NM_000674
## 3018	NM_000674_intron_2_0_chr1_203129183_f	0	NM_000674
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## 3023	NM_001304331_intron_3_0_chr1_203044096_f	0	NM_001304331
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## 3026	NM_001304331_intron_8_0_chr1_203046383_f	0	NM_001304331
## 3027	NM_001304331_intron_9_0_chr1_203048311_f	0	NM_001304331
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## 3032	NM_001304331_intron_15_0_chr1_203055673_f	0	NM_001304331
## 3033	NM_001304331_intron_16_0_chr1_203056156_f	0	NM_001304331
## 3034	NM_001304331_intron_17_0_chr1_203056509_f	0	NM_001304331
## 3035	NM_001304331_intron_18_0_chr1_203056951_f	0	NM_001304331
## 3036	NM_001304331_intron_19_0_chr1_203059272_f	0	NM_001304331
## 3037	NM_001304331_intron_22_0_chr1_203061033_f	0	NM_001304331

## 3038	NM_001304331_intron_23_0_chr1_203061679_f	0	NM_001304331
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## 3041	NM_001303051_intron_0_0_chr1_202925208_r	0	NM_001303051
## 3042	NM_001136504_intron_2_0_chr1_202603119_r	0	NM_001136504
## 3043	NM_001136504_intron_1_0_chr1_202604622_r	0	NM_001136504
## 3044	NM_001136504_intron_0_0_chr1_202605790_r	0	NM_001136504
## 3045	NM_032104_intron_0_0_chr1_202463098_f	0	NM_032104
## 3046	NM_032104_intron_10_0_chr1_202569198_f	0	NM_032104
## 3047	NM_032104_intron_11_0_chr1_202575183_f	0	NM_032104
## 3048	NM_177402_intron_0_0_chr1_202605790_r	0	NM_177402
## 3049	NM_014935_intron_5_0_chr1_204261449_r	0	NM_014935
## 3050	NM_001376359_intron_2_0_chr1_203801629_f	0	NM_001376359
## 3051	NM_001376337_intron_1_0_chr1_203801640_f	0	NM_001376337
## 3052	NM_001376361_intron_1_0_chr1_203796608_f	0	NM_001376361
## 3053	NM_001350264_intron_0_0_chr1_203795795_f	0	NM_001350264
## 3054	NM_001376364_intron_0_0_chr1_203795795_f	0	NM_001376364
## 3055	NM_001376349_intron_0_0_chr1_203795795_f	0	NM_001376349
## 3056	NM_001376362_intron_2_0_chr1_203801629_f	0	NM_001376362
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## 3072	NM_001005389_intron_13_0_chr1_204974824_f	0	NM_001005389
## 3073	NM_001005389_intron_14_0_chr1_204975419_f	0	NM_001005389
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## 3076	NM_001005388_intron_15_0_chr1_204976796_f	0	NM_001005388
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## 3078	NM_001005388_intron_17_0_chr1_204979070_f	0	NM_001005388
## 3079	NM_001005388_intron_18_0_chr1_204979560_f	0	NM_001005388
## 3080	NM_001005388_intron_19_0_chr1_204980441_f	0	NM_001005388
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## 3082	NM_001005388_intron_21_0_chr1_204987541_f	0	NM_001005388
## 3083	NM_001005388_intron_22_0_chr1_204988807_f	0	NM_001005388
## 3084	NM_001005388_intron_23_0_chr1_204991307_f	0	NM_001005388
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## 3086	NM_001005388_intron_25_0_chr1_205001287_f	0	NM_001005388
## 3087	NM_001005388_intron_26_0_chr1_205002749_f	0	NM_001005388
## 3088	NM_001005388_intron_27_0_chr1_205009689_f	0	NM_001005388
## 3089	NM_001005388_intron_28_0_chr1_205012867_f	0	NM_001005388
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## 3094	NM_015090_intron_15_0_chr1_204976796_f	0	NM_015090
## 3095	NM_015090_intron_19_0_chr1_204982021_f	0	NM_015090
## 3096	NM_015090_intron_20_0_chr1_204984143_f	0	NM_015090
## 3097	NM_015090_intron_21_0_chr1_204986115_f	0	NM_015090
## 3098	NM_015090_intron_23_0_chr1_204988807_f	0	NM_015090
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## 3106	NM_001199051_intron_1_0_chr1_205416297_r	0	NM_001199051
## 3107	NM_001199050_intron_2_0_chr1_205416297_r	0	NM_001199050
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## 3114	NM_052934_intron_4_0_chr1_205930057_r	0	NM_052934
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## 3116	NM_052934_intron_2_0_chr1_205932813_r	0	NM_052934
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## 3118	NM_052934_intron_0_0_chr1_205935839_r	0	NM_052934
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## 3121	NM_001006658_intron_10_0_chr1_207473722_f	0	NM_001006658
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## 3125	NM_001122979_intron_4_0_chr1_206962552_r	0	NM_001122979
## 3126	NM_001122979_intron_3_0_chr1_206965859_r	0	NM_001122979
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## 3133	NM_001017366_intron_3_0_chr1_207091821_f	0	NM_001017366
## 3134	NM_001017366_intron_4_0_chr1_207096616_f	0	NM_001017366
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## 3154	NM_020439_intron_4_0_chr1_209605675_f	0	NM_020439
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## 3156	NM_020439_intron_6_0_chr1_209607934_f	0	NM_020439
## 3157	NM_020439_intron_7_0_chr1_209609093_f	0	NM_020439
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## 3159	NM_020439_intron_9_0_chr1_209611553_f	0	NM_020439
## 3160	NM_020439_intron_10_0_chr1_209612217_f	0	NM_020439
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## 3164	NM_001375428_intron_2_0_chr1_210239609_f	0	NM_001375428
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## 3166	NM_001256006_intron_1_0_chr1_209952757_f	0	NM_001256006
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## 3169	NM_001256006_intron_4_0_chr1_210021255_f	0	NM_001256006
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## 3172	NM_001256006_intron_7_0_chr1_210155911_f	0	NM_001256006
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## 3174	NM_001146264_intron_2_0_chr1_209966014_f	0	NM_001146264
## 3175	NM_001170587_intron_0_0_chr1_210329105_f	0	NM_001170587
## 3176	NM_001170588_intron_3_0_chr1_210387582_f	0	NM_001170588
## 3177	NM_001170580_intron_0_0_chr1_210329484_f	0	NM_001170580
## 3178	NM_001122834_intron_0_0_chr1_210328385_f	0	NM_001122834
## 3179	NR_027459_intron_6_0_chr1_210100191_f	0	NR_027459
## 3180	NM_001354173_intron_0_0_chr1_210233012_f	0	NM_001354173
## 3181	NM_001354173_intron_2_0_chr1_210239609_f	0	NM_001354173
## 3182	NM_001354173_intron_3_0_chr1_210245928_f	0	NM_001354173
## 3183	NM_001170564_intron_3_0_chr1_210387582_f	0	NM_001170564
## 3184	NM_001146262_intron_1_0_chr1_209952757_f	0	NM_001146262
## 3185	NM_001146262_intron_6_0_chr1_210155911_f	0	NM_001146262
## 3186	NM_001146262_intron_7_0_chr1_210159478_f	0	NM_001146262
## 3187	NR_148994_intron_0_0_chr1_211675867_f	0	NR_148994
## 3188	NR_148994_intron_1_0_chr1_211677155_f	0	NR_148994
## 3189	NR_148994_intron_2_0_chr1_211685807_f	0	NR_148994
## 3190	NR_037667_intron_2_0_chr1_212020269_r	0	NR_037667
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## 3193	NM_001199809_intron_1_0_chr1_212017024_r	0	NM_001199809
## 3194	NM_001297736_intron_2_0_chr1_212738687_r	0	NM_001297736
## 3195	NM_001199756_intron_0_0_chr1_212302093_f	0	NM_001199756
## 3196	NM_001349650_intron_1_0_chr1_213071042_f	0	NM_001349650
## 3197	NR_146208_intron_2_0_chr1_213104570_f	0	NR_146208
## 3198	NM_001349661_intron_6_0_chr1_213176493_f	0	NM_001349661
## 3199	NM_001349648_intron_3_0_chr1_213088031_f	0	NM_001349648

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## 3203	NM_001349671_intron_4_0_chr1_213104570_f	0 NM_001349671
## 3204	NM_001349659_intron_7_0_chr1_213176493_f	0 NM_001349659
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## 3208	NM_002763_intron_1_0_chr1_213998261_f	0 NM_002763
## 3209	NM_002763_intron_2_0_chr1_214005273_f	0 NM_002763
## 3210	NM_002763_intron_3_0_chr1_214011716_f	0 NM_002763
## 3211	NM_001270616_intron_0_0_chr1_213988484_f	0 NM_001270616
## 3212	NM_001017425_intron_0_0_chr1_215083432_f	0 NM_001017425
## 3213	NM_001017425_intron_1_0_chr1_215086679_f	0 NM_001017425
## 3214	NM_001017425_intron_2_0_chr1_215124751_f	0 NM_001017425
## 3215	NM_001017425_intron_3_0_chr1_215169360_f	0 NM_001017425
## 3216	NM_001017425_intron_4_0_chr1_215172184_f	0 NM_001017425
## 3217	NM_001017425_intron_5_0_chr1_215195093_f	0 NM_001017425
## 3218	NM_001017424_intron_0_0_chr1_215005956_f	0 NM_001017424
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## 3221	NM_001243519_intron_1_0_chr1_216714635_r	0 NM_001243519
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## 3223	NM_001243518_intron_4_0_chr1_216564402_r	0 NM_001243518
## 3224	NM_001243518_intron_1_0_chr1_216677492_r	0 NM_001243518
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## 3230	NM_001243514_intron_0_0_chr1_216677492_r	0 NM_001243514
## 3231	NM_001243513_intron_1_0_chr1_216677492_r	0 NM_001243513
## 3232	NM_001243513_intron_0_0_chr1_216715250_r	0 NM_001243513
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## 3234	NM_138796_intron_7_0_chr1_217782323_f	0 NM_138796
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## 3237	NR_031644_intron_2_0_chr1_218589123_f	0 NR_031644
## 3238	NR_031644_intron_3_0_chr1_218683745_f	0 NR_031644
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## 3249	NR_138148_intron_3_0_chr1_218434449_f	0 NR_138148
## 3250	NR_135822_intron_2_0_chr1_219435414_r	0 NR_135822
## 3251	NR_135822_intron_1_0_chr1_219437174_r	0 NR_135822
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## 3256	NM_001286151_intron_0_0_chr1_220074072_r	0 NM_001286151
## 3257	NM_001286128_intron_3_0_chr1_220598380_f	0 NM_001286128
## 3258	NM_001286128_intron_14_0_chr1_220653353_f	0 NM_001286128
## 3259	NM_001286124_intron_14_0_chr1_220652151_f	0 NM_001286124
## 3260	NR_165111_intron_0_0_chr1_222815079_f	0 NR_165111
## 3261	NM_001377229_intron_0_0_chr1_222815079_f	0 NM_001377229
## 3262	NM_001377229_intron_1_0_chr1_222928571_f	0 NM_001377229
## 3263	NR_165113_intron_1_0_chr1_222823946_f	0 NR_165113
## 3264	NR_165113_intron_2_0_chr1_222824340_f	0 NR_165113
## 3265	NR_165115_intron_0_0_chr1_222815079_f	0 NR_165115
## 3266	NM_001350630_intron_0_0_chr1_222815172_f	0 NM_001350630
## 3267	NM_001350630_intron_5_0_chr1_222991648_f	0 NM_001350630
## 3268	NM_001377228_intron_0_0_chr1_222815172_f	0 NM_001377228
## 3269	NM_022831_intron_3_0_chr1_222687659_r	0 NM_022831
## 3270	NM_022831_intron_2_0_chr1_222693844_r	0 NM_022831
## 3271	NM_022831_intron_1_0_chr1_222694264_r	0 NM_022831
## 3272	NM_022831_intron_0_0_chr1_222703218_r	0 NM_022831
## 3273	NM_032890_intron_1_0_chr1_222899866_f	0 NM_032890
## 3274	NM_139352_intron_1_0_chr1_222579873_r	0 NM_139352
## 3275	NR_165114_intron_1_0_chr1_222823946_f	0 NR_165114
## 3276	NR_165114_intron_2_0_chr1_222826524_f	0 NR_165114
## 3277	NR_165123_intron_0_0_chr1_222815079_f	0 NR_165123
## 3278	NR_165124_intron_1_0_chr1_222823946_f	0 NR_165124
## 3279	NR_165124_intron_2_0_chr1_222831043_f	0 NR_165124
## 3280	NR_165126_intron_2_0_chr1_222827602_f	0 NR_165126
## 3281	NR_165127_intron_2_0_chr1_222827602_f	0 NR_165127
## 3282	NR_165127_intron_3_0_chr1_222831233_f	0 NR_165127
## 3283	NR_165131_intron_3_0_chr1_222835216_f	0 NR_165131
## 3284	NR_165134_intron_3_0_chr1_222837067_f	0 NR_165134
## 3285	NR_165138_intron_1_0_chr1_222823946_f	0 NR_165138
## 3286	NR_165139_intron_2_0_chr1_222835192_f	0 NR_165139
## 3287	NR_165144_intron_0_0_chr1_222815172_f	0 NR_165144
## 3288	NR_165149_intron_0_0_chr1_222815172_f	0 NR_165149
## 3289	NR_165156_intron_0_0_chr1_222815456_f	0 NR_165156
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## 3292	NM_001146068_intron_0_0_chr1_223701832_f	0 NM_001146068
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## 3295	NM_001143962_intron_18_0_chr1_223543167_r	0 NM_001143962
## 3296	NM_001143962_intron_17_0_chr1_223544184_r	0 NM_001143962
## 3297	NM_001143962_intron_16_0_chr1_223544851_r	0 NM_001143962
## 3298	NM_001143962_intron_15_0_chr1_223545300_r	0 NM_001143962
## 3299	NM_001143962_intron_14_0_chr1_223549383_r	0 NM_001143962
## 3300	NM_001143962_intron_13_0_chr1_223551018_r	0 NM_001143962
## 3301	NM_001143962_intron_12_0_chr1_223553901_r	0 NM_001143962
## 3302	NM_001143962_intron_11_0_chr1_223558168_r	0 NM_001143962
## 3303	NM_001143962_intron_10_0_chr1_223609365_r	0 NM_001143962
## 3304	NM_001143962_intron_9_0_chr1_223612258_r	0 NM_001143962
## 3305	NM_001143962_intron_8_0_chr1_223616146_r	0 NM_001143962
## 3306	NM_001143962_intron_7_0_chr1_223619454_r	0 NM_001143962
## 3307	NM_001143962_intron_6_0_chr1_223620267_r	0 NM_001143962

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## 3310	NM_001143962_intron_3_0_chr1_223627158_r	0 NM_001143962
## 3311	NM_001143962_intron_2_0_chr1_223628143_r	0 NM_001143962
## 3312	NM_001143962_intron_1_0_chr1_223628781_r	0 NM_001143962
## 3313	NM_001143962_intron_0_0_chr1_223654400_r	0 NM_001143962
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## 3315	NR_136593_intron_2_0_chr1_224029128_f	0 NR_136593
## 3316	NR_136593_intron_3_0_chr1_224029872_f	0 NR_136593
## 3317	NR_136592_intron_1_0_chr1_223996095_f	0 NR_136592
## 3318	NR_136590_intron_1_0_chr1_224003655_f	0 NR_136590
## 3319	NR_136590_intron_2_0_chr1_224007418_f	0 NR_136590
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## 3321	NM_001322304_intron_1_0_chr1_224515885_f	0 NM_001322304
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## 3326	NR_136291_intron_0_0_chr1_224435188_f	0 NR_136291
## 3327	NR_136291_intron_1_0_chr1_224454344_f	0 NR_136291
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## 3329	NR_136297_intron_0_0_chr1_224435188_f	0 NR_136297
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## 3339	NM_001367479_intron_36_0_chr1_225185426_f	0 NM_001367479
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## 3345	NM_001367479_intron_52_0_chr1_225276082_f	0 NM_001367479
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## 3365	NR_136287_intron_2_0_chr1_224684844_f	0	NR_136287
## 3366	NR_136294_intron_2_0_chr1_224566265_f	0	NR_136294
## 3367	NR_136294_intron_3_0_chr1_224583268_f	0	NR_136294
## 3368	NM_001322302_intron_1_0_chr1_224454344_f	0	NM_001322302
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## 3371	NR_165625_intron_4_0_chr1_225839347_f	0	NR_165625
## 3372	NR_165626_intron_5_0_chr1_225840038_f	0	NR_165626
## 3373	NM_001378428_intron_0_0_chr1_225825545_f	0	NM_001378428
## 3374	NM_001378428_intron_1_0_chr1_225828886_f	0	NM_001378428
## 3375	NM_001008493_intron_11_0_chr1_225501071_r	0	NM_001008493
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## 3377	NM_001378430_intron_5_0_chr1_225840038_f	0	NM_001378430
## 3378	NM_001377482_intron_3_0_chr1_225530639_r	0	NM_001377482
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## 3381	NM_001378432_intron_2_0_chr1_225831960_f	0	NM_001378432
## 3382	NM_001378431_intron_2_0_chr1_225831960_f	0	NM_001378431
## 3383	NM_001378427_intron_0_0_chr1_225824304_f	0	NM_001378427
## 3384	NM_001366010_intron_20_0_chr1_227040237_r	0	NM_001366010
## 3385	NM_001366019_intron_21_0_chr1_227048011_r	0	NM_001366019
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## 3388	NM_001098623_intron_0_0_chr1_228208186_f	0	NM_001098623
## 3389	NM_001098623_intron_1_0_chr1_228212772_f	0	NM_001098623
## 3390	NM_001098623_intron_16_0_chr1_228268806_f	0	NM_001098623
## 3391	NM_001098623_intron_23_0_chr1_228277314_f	0	NM_001098623
## 3392	NM_001098623_intron_42_0_chr1_228295044_f	0	NM_001098623
## 3393	NM_003395_intron_2_0_chr1_227922001_r	0	NM_003395
## 3394	NM_003395_intron_0_0_chr1_227925520_r	0	NM_003395
## 3395	NM_001271223_intron_15_0_chr1_228256927_f	0	NM_001271223
## 3396	NM_001271223_intron_16_0_chr1_228259777_f	0	NM_001271223
## 3397	NM_001271223_intron_112_0_chr1_228377713_f	0	NM_001271223
## 3398	NR_037962_intron_0_0_chr1_228645033_f	0	NR_037962
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## 3401	NR_034037_intron_0_0_chr1_231591801_r	0	NR_034037
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## 3405	NM_001004342_intron_3_0_chr1_231200259_f	0	NM_001004342
## 3406	NM_001004342_intron_4_0_chr1_231201518_f	0	NM_001004342
## 3407	NM_001004342_intron_5_0_chr1_231204013_f	0	NM_001004342
## 3408	NM_001004342_intron_6_0_chr1_231206791_f	0	NM_001004342
## 3409	NM_001004342_intron_7_0_chr1_231209251_f	0	NM_001004342
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## 3416	NM_020808_intron_0_0_chr1_232574223_r	0	NM_020808
## 3417	NM_001377488_intron_0_0_chr1_232574223_r	0	NM_001377488
## 3418	NM_001300845_intron_0_0_chr1_234214575_f	0	NM_001300845
## 3419	NM_001300845_intron_2_0_chr1_234309321_f	0	NM_001300845
## 3420	NM_173508_intron_0_0_chr1_233905131_f	0	NM_173508
## 3421	NM_173508_intron_1_0_chr1_233905759_f	0	NM_173508
## 3422	NM_001206794_intron_0_0_chr1_235326969_r	0	NM_001206794
## 3423	NM_001287802_intron_2_0_chr1_235414619_f	0	NM_001287802
## 3424	NM_001287801_intron_6_0_chr1_235430805_f	0	NM_001287801
## 3425	NM_001287801_intron_7_0_chr1_235433099_f	0	NM_001287801
## 3426	NM_001346738_intron_8_0_chr1_235135768_r	0	NM_001346738
## 3427	NM_001301365_intron_0_0_chr1_235833668_r	0	NM_001301365
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## 3431	NM_001278344_intron_3_0_chr1_236720192_f	0	NM_001278344
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## 3437	NM_001278344_intron_9_0_chr1_236736669_f	0	NM_001278344
## 3438	NM_001278344_intron_10_0_chr1_236737215_f	0	NM_001278344
## 3439	NM_001278344_intron_11_0_chr1_236739533_f	0	NM_001278344
## 3440	NM_001278344_intron_12_0_chr1_236743044_f	0	NM_001278344
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## 3447	NM_001278344_intron_19_0_chr1_236757633_f	0	NM_001278344
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## 3454	NR_027247_intron_3_0_chr1_237882569_f	0	NR_027247
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## 3456	NR_027247_intron_5_0_chr1_237905602_f	0	NR_027247
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## 3475	NM_001035_intron_13_0_chr1_237445523_f	0	NM_001035
## 3476	NM_001035_intron_14_0_chr1_237454575_f	0	NM_001035
## 3477	NM_001035_intron_15_0_chr1_237456736_f	0	NM_001035
## 3478	NM_001035_intron_16_0_chr1_237469188_f	0	NM_001035
## 3479	NM_001035_intron_19_0_chr1_237496753_f	0	NM_001035
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## 3482	NM_001035_intron_22_0_chr1_237506815_f	0	NM_001035
## 3483	NM_001035_intron_23_0_chr1_237511792_f	0	NM_001035
## 3484	NM_001035_intron_24_0_chr1_237530511_f	0	NM_001035
## 3485	NM_001035_intron_25_0_chr1_237548591_f	0	NM_001035
## 3486	NM_001035_intron_26_0_chr1_237550692_f	0	NM_001035
## 3487	NM_001035_intron_27_0_chr1_237566776_f	0	NM_001035
## 3488	NM_001035_intron_28_0_chr1_237569320_f	0	NM_001035
## 3489	NM_001035_intron_29_0_chr1_237590002_f	0	NM_001035
## 3490	NM_001035_intron_30_0_chr1_237590993_f	0	NM_001035
## 3491	NM_001035_intron_31_0_chr1_237591854_f	0	NM_001035
## 3492	NM_001035_intron_32_0_chr1_237593637_f	0	NM_001035
## 3493	NM_001035_intron_33_0_chr1_237595658_f	0	NM_001035
## 3494	NM_001035_intron_34_0_chr1_237602112_f	0	NM_001035
## 3495	NM_001035_intron_35_0_chr1_237610989_f	0	NM_001035
## 3496	NM_001035_intron_36_0_chr1_237614844_f	0	NM_001035
## 3497	NM_001035_intron_37_0_chr1_237617487_f	0	NM_001035
## 3498	NM_001035_intron_38_0_chr1_237623871_f	0	NM_001035
## 3499	NM_001035_intron_39_0_chr1_237625805_f	0	NM_001035
## 3500	NM_001035_intron_40_0_chr1_237628081_f	0	NM_001035
## 3501	NM_001035_intron_41_0_chr1_237631542_f	0	NM_001035
## 3502	NM_001035_intron_42_0_chr1_237633711_f	0	NM_001035
## 3503	NM_001035_intron_45_0_chr1_237639202_f	0	NM_001035
## 3504	NM_001035_intron_46_0_chr1_237641003_f	0	NM_001035
## 3505	NM_001035_intron_51_0_chr1_237654415_f	0	NM_001035
## 3506	NM_001035_intron_52_0_chr1_237655985_f	0	NM_001035
## 3507	NM_001035_intron_54_0_chr1_237660075_f	0	NM_001035
## 3508	NM_001035_intron_55_0_chr1_237660948_f	0	NM_001035
## 3509	NM_001035_intron_56_0_chr1_237666590_f	0	NM_001035
## 3510	NM_001035_intron_57_0_chr1_237667959_f	0	NM_001035
## 3511	NM_001035_intron_59_0_chr1_237674847_f	0	NM_001035
## 3512	NM_001035_intron_60_0_chr1_237678113_f	0	NM_001035
## 3513	NM_001035_intron_61_0_chr1_237680578_f	0	NM_001035
## 3514	NM_001035_intron_62_0_chr1_237687505_f	0	NM_001035
## 3515	NM_001035_intron_64_0_chr1_237700468_f	0	NM_001035
## 3516	NM_001035_intron_67_0_chr1_237707270_f	0	NM_001035
## 3517	NM_001035_intron_68_0_chr1_237709099_f	0	NM_001035
## 3518	NM_001035_intron_70_0_chr1_237711838_f	0	NM_001035
## 3519	NM_001035_intron_71_0_chr1_237717369_f	0	NM_001035
## 3520	NM_001035_intron_73_0_chr1_237723263_f	0	NM_001035
## 3521	NM_001035_intron_74_0_chr1_237726309_f	0	NM_001035
## 3522	NM_001035_intron_75_0_chr1_237727200_f	0	NM_001035
## 3523	NM_001035_intron_76_0_chr1_237730357_f	0	NM_001035

## 3524	NM_001035_intron_77_0_chr1_237732150_f	0	NM_001035
## 3525	NM_001035_intron_79_0_chr1_237742350_f	0	NM_001035
## 3526	NM_001035_intron_80_0_chr1_237756388_f	0	NM_001035
## 3527	NM_001035_intron_81_0_chr1_237757777_f	0	NM_001035
## 3528	NM_001035_intron_83_0_chr1_237761029_f	0	NM_001035
## 3529	NM_001035_intron_84_0_chr1_237770888_f	0	NM_001035
## 3530	NM_001035_intron_85_0_chr1_237772101_f	0	NM_001035
## 3531	NM_001035_intron_95_0_chr1_237795332_f	0	NM_001035
## 3532	NM_000740_intron_0_0_chr1_239629540_f	0	NM_000740
## 3533	NM_001375985_intron_3_0_chr1_239718900_f	0	NM_001375985
## 3534	NM_001375982_intron_2_0_chr1_239545754_f	0	NM_001375982
## 3535	NM_001347716_intron_4_0_chr1_239678289_f	0	NM_001347716
## 3536	NM_001347716_intron_5_0_chr1_239827082_f	0	NM_001347716
## 3537	NR_164748_intron_5_0_chr1_239718900_f	0	NR_164748
## 3538	NR_164748_intron_7_0_chr1_239827379_f	0	NR_164748
## 3539	NM_022469_intron_0_0_chr1_240493477_r	0	NM_022469
## 3540	NM_001367482_intron_0_0_chr1_241652630_f	0	NM_001367482
## 3541	NM_001367482_intron_1_0_chr1_241660661_f	0	NM_001367482
## 3542	NM_001367482_intron_2_0_chr1_241671177_f	0	NM_001367482
## 3543	NM_001367482_intron_3_0_chr1_241674748_f	0	NM_001367482
## 3544	NM_001367482_intron_4_0_chr1_241678217_f	0	NM_001367482
## 3545	NM_001367482_intron_5_0_chr1_241679596_f	0	NM_001367482
## 3546	NM_001367482_intron_6_0_chr1_241683702_f	0	NM_001367482
## 3547	NM_001367482_intron_7_0_chr1_241687596_f	0	NM_001367482
## 3548	NM_001367482_intron_8_0_chr1_241711882_f	0	NM_001367482
## 3549	NM_001367482_intron_9_0_chr1_241723437_f	0	NM_001367482
## 3550	NM_001367482_intron_10_0_chr1_241738490_f	0	NM_001367482
## 3551	NM_001367482_intron_11_0_chr1_241741665_f	0	NM_001367482
## 3552	NM_001367482_intron_12_0_chr1_241744517_f	0	NM_001367482
## 3553	NM_001367482_intron_13_0_chr1_241749723_f	0	NM_001367482
## 3554	NM_001367482_intron_14_0_chr1_241757460_f	0	NM_001367482
## 3555	NM_001367482_intron_15_0_chr1_241766352_f	0	NM_001367482
## 3556	NM_001367482_intron_16_0_chr1_241769506_f	0	NM_001367482
## 3557	NM_001367482_intron_17_0_chr1_241770691_f	0	NM_001367482
## 3558	NM_001367482_intron_18_0_chr1_241771698_f	0	NM_001367482
## 3559	NM_001367482_intron_19_0_chr1_241772932_f	0	NM_001367482
## 3560	NM_001367482_intron_20_0_chr1_241775211_f	0	NM_001367482
## 3561	NM_001367482_intron_21_0_chr1_241780063_f	0	NM_001367482
## 3562	NM_001367482_intron_22_0_chr1_241783382_f	0	NM_001367482
## 3563	NM_001367482_intron_23_0_chr1_241788035_f	0	NM_001367482
## 3564	NM_001367482_intron_24_0_chr1_241790697_f	0	NM_001367482
## 3565	NM_001367482_intron_25_0_chr1_241795288_f	0	NM_001367482
## 3566	NM_001367482_intron_26_0_chr1_241796371_f	0	NM_001367482
## 3567	NM_001042404_intron_3_0_chr1_243200834_r	0	NM_001042404
## 3568	NM_181690_intron_12_0_chr1_243488451_r	0	NM_181690
## 3569	NM_181690_intron_11_0_chr1_243499787_r	0	NM_181690
## 3570	NM_001370074_intron_0_0_chr1_243843283_r	0	NM_001370074
## 3571	NM_001206729_intron_0_0_chr1_243843283_r	0	NM_001206729
## 3572	NR_033883_intron_0_0_chr1_243917527_f	0	NR_033883
## 3573	NR_033883_intron_1_0_chr1_243978520_f	0	NR_033883
## 3574	NR_033883_intron_2_0_chr1_244003501_f	0	NR_033883
## 3575	NR_033883_intron_3_0_chr1_244005159_f	0	NR_033883
## 3576	NR_033883_intron_4_0_chr1_244010093_f	0	NR_033883
## 3577	NR_033883_intron_5_0_chr1_244010921_f	0	NR_033883

## 3578	NR_033883_intron_6_0_chr1_244025070_f	0	NR_033883
## 3579	NR_033883_intron_7_0_chr1_244027435_f	0	NR_033883
## 3580	NR_033883_intron_8_0_chr1_244041556_f	0	NR_033883
## 3581	NR_033883_intron_9_0_chr1_244043550_f	0	NR_033883
## 3582	NR_033883_intron_10_0_chr1_244045292_f	0	NR_033883
## 3583	NM_205768_intron_0_0_chr1_244051445_f	0	NM_205768
## 3584	NM_001130957_intron_0_0_chr1_244461495_f	0	NM_001130957
## 3585	NM_001130957_intron_4_0_chr1_244479785_f	0	NM_001130957
## 3586	NM_001130957_intron_6_0_chr1_244499080_f	0	NM_001130957
## 3587	NM_001130957_intron_12_0_chr1_244583940_f	0	NM_001130957
## 3588	NM_001312874_intron_1_0_chr1_244842059_f	0	NM_001312874
## 3589	NM_001365073_intron_10_0_chr1_244411428_r	0	NM_001365073
## 3590	NR_132421_intron_0_0_chr1_244835737_f	0	NR_132421
## 3591	NM_001242340_intron_0_0_chr1_244461495_f	0	NM_001242340
## 3592	NM_001242340_intron_3_0_chr1_244479785_f	0	NM_001242340
## 3593	NM_001375965_intron_0_0_chr1_245929938_r	0	NM_001375965
## 3594	NM_001375963_intron_0_0_chr1_246355095_r	0	NM_001375963
## 3595	NM_001204220_intron_2_0_chr1_247038425_r	0	NM_001204220
## 3596	NR_037894_intron_4_0_chr1_246967793_r	0	NR_037894
## 3597	NR_037894_intron_3_0_chr1_246980005_r	0	NR_037894
## 3598	NR_037894_intron_0_0_chr1_247000075_r	0	NR_037894
## 3599	NR_168396_intron_0_0_chr1_247332482_f	0	NR_168396
## 3600	NR_168396_intron_1_0_chr1_247374144_f	0	NR_168396
## 3601	NR_168397_intron_0_0_chr1_247332365_f	0	NR_168397
## 3602	NR_168397_intron_1_0_chr1_247365284_f	0	NR_168397
## 3603	NR_168399_intron_0_0_chr1_247333247_f	0	NR_168399
## 3604	NR_168398_intron_0_0_chr1_247332482_f	0	NR_168398
## 3605	NR_168398_intron_1_0_chr1_247332961_f	0	NR_168398
## 3606	NM_001355292_intron_3_0_chr1_247724063_r	0	NM_001355292
## 3607	NM_001355292_intron_2_0_chr1_247733384_r	0	NM_001355292
## 3608	NM_001355292_intron_1_0_chr1_247734426_r	0	NM_001355292
## 3609	NM_001355292_intron_0_0_chr1_247735557_r	0	NM_001355292
## 3610	NM_001304535_intron_0_0_chr1_247937385_f	0	NM_001304535
## 3611	NM_175911_intron_0_0_chr1_247937385_f	0	NM_175911
## 3612	NR_026818_intron_1_0_chr1_35175_r	0	NR_026818
## 3613	NR_026818_intron_0_0_chr1_35482_r	0	NR_026818
## 3614	NR_046018_intron_0_0_chr1_12228_f	0	NR_046018
## 3615	NR_046018_intron_1_0_chr1_12722_f	0	NR_046018
## 3616	NR_039983_intron_1_0_chr1_139697_r	0	NR_039983
## 3617	NR_026823_intron_1_0_chr1_205691_r	0	NR_026823
## 3618	NR_026823_intron_0_0_chr1_205996_r	0	NR_026823
## 3619	NR_148357_intron_1_0_chr1_183241_f	0	NR_148357
## 3620	NR_125957_intron_1_0_chr1_627824_r	0	NR_125957
## 3621	NR_125957_intron_0_0_chr1_628224_r	0	NR_125957
## 3622	NR_168328_intron_13_0_chr1_735614_r	0	NR_168328
## 3623	NR_168328_intron_9_0_chr1_744392_r	0	NR_168328
## 3624	NR_168328_intron_7_0_chr1_756142_r	0	NR_168328
## 3625	NR_103536_intron_0_0_chr1_818203_f	0	NR_103536
## 3626	NR_027055_intron_1_0_chr1_868676_r	0	NR_027055
## 3627	NR_027055_intron_0_0_chr1_875156_r	0	NR_027055
## 3628	NR_047525_intron_0_0_chr1_827850_f	0	NR_047525
## 3629	NR_047524_intron_1_0_chr1_829105_f	0	NR_047524
## 3630	NM_032129_intron_5_0_chr1_971007_f	0	NM_032129
## 3631	NM_001291367_intron_3_0_chr1_976270_r	0	NM_001291367

## 3632	NM_001291367_intron_2_0_chr1_976625_r	0 NM_001291367
## 3633	NM_001291367_intron_1_0_chr1_980658_r	0 NM_001291367
## 3634	NM_001291367_intron_0_0_chr1_981174_r	0 NM_001291367
## 3635	NM_152486_intron_0_0_chr1_925801_f	0 NM_152486
## 3636	NM_001369897_intron_0_0_chr1_981174_r	0 NM_001369897
## 3637	NM_001369898_intron_0_0_chr1_976559_r	0 NM_001369898
## 3638	NM_001160184_intron_10_0_chr1_973011_f	0 NM_001160184
## 3639	NM_001291366_intron_0_0_chr1_981048_r	0 NM_001291366
## 3640	NR_168405_intron_3_0_chr1_922510_r	0 NR_168405
## 3641	NR_168405_intron_2_0_chr1_922736_r	0 NR_168405
## 3642	NR_168405_intron_1_0_chr1_923144_r	0 NR_168405
## 3643	NR_168405_intron_0_0_chr1_923462_r	0 NR_168405
## 3644	NM_198317_intron_0_0_chr1_960801_f	0 NM_198317
## 3645	NR_148960_intron_0_0_chr1_1059847_f	0 NR_148960
## 3646	NR_038869_intron_0_0_chr1_1137111_f	0 NR_038869
## 3647	NR_038869_intron_1_0_chr1_1141033_f	0 NR_038869
## 3648	NM_001330306_intron_1_0_chr1_1092104_r	0 NM_001330306
## 3649	NM_001330306_intron_0_0_chr1_1115076_r	0 NM_001330306
## 3650	NR_168433_intron_3_0_chr1_1065834_r	0 NR_168433
## 3651	NR_168433_intron_2_0_chr1_1066599_r	0 NR_168433
## 3652	NR_168433_intron_1_0_chr1_1066799_r	0 NR_168433
## 3653	NR_168433_intron_0_0_chr1_1068041_r	0 NR_168433
## 3654	NR_168432_intron_0_0_chr1_1065834_r	0 NR_168432
## 3655	NM_001205252_intron_0_0_chr1_1072576_r	0 NM_001205252
## 3656	NM_001014980_intron_4_0_chr1_1243153_r	0 NM_001014980
## 3657	NM_001014980_intron_3_0_chr1_1243553_r	0 NM_001014980
## 3658	NM_001014980_intron_2_0_chr1_1244106_r	0 NM_001014980
## 3659	NM_001014980_intron_0_0_chr1_1244498_r	0 NM_001014980
## 3660	NM_153254_intron_0_0_chr1_1179854_f	0 NM_153254
## 3661	NM_194315_intron_1_0_chr1_1264831_r	0 NM_194315
## 3662	NM_148901_intron_2_0_chr1_1203961_r	0 NM_148901
## 3663	NR_125995_intron_0_0_chr1_1430663_r	0 NR_125995
## 3664	NR_125996_intron_0_0_chr1_1430663_r	0 NR_125996
## 3665	NM_001145210_intron_1_0_chr1_1420593_r	0 NM_001145210
## 3666	NM_001145210_intron_0_0_chr1_1421006_r	0 NM_001145210
## 3667	NM_001256463_intron_1_0_chr1_1315619_r	0 NM_001256463
## 3668	NM_152228_intron_0_0_chr1_1331537_f	0 NM_152228
## 3669	NM_001320153_intron_5_0_chr1_1391576_r	0 NM_001320153
## 3670	NM_001256456_intron_2_0_chr1_1321094_r	0 NM_001256456
## 3671	NM_001256456_intron_1_0_chr1_1321985_r	0 NM_001256456
## 3672	NM_001320155_intron_5_0_chr1_1390866_r	0 NM_001320155
## 3673	NM_001375660_intron_0_0_chr1_1419550_r	0 NM_001375660
## 3674	NM_001375659_intron_0_0_chr1_1419550_r	0 NM_001375659
## 3675	NM_001282585_intron_8_0_chr1_1353333_r	0 NM_001282585
## 3676	NM_001282585_intron_7_0_chr1_1353947_r	0 NM_001282585
## 3677	NM_001282584_intron_1_0_chr1_1355346_r	0 NM_001282584
## 3678	NM_001282583_intron_0_0_chr1_1356705_r	0 NM_001282583
## 3679	NM_001282582_intron_0_0_chr1_1358548_r	0 NM_001282582
## 3680	NR_135154_intron_8_0_chr1_1388744_r	0 NR_135154
## 3681	NM_001256462_intron_1_0_chr1_1315615_r	0 NM_001256462
## 3682	NM_001256460_intron_1_0_chr1_1321094_r	0 NM_001256460
## 3683	NM_001114748_intron_2_0_chr1_1535508_r	0 NM_001114748
## 3684	NM_001114748_intron_1_0_chr1_1535798_r	0 NM_001114748
## 3685	NM_001114748_intron_0_0_chr1_1539791_r	0 NM_001114748

## 3686	NM_001039211_intron_0_0_chr1_1450759_f	0	NM_001039211
## 3687	NM_001039211_intron_1_0_chr1_1452123_f	0	NM_001039211
## 3688	NM_001039211_intron_3_0_chr1_1454501_f	0	NM_001039211
## 3689	NM_001039211_intron_8_0_chr1_1459232_f	0	NM_001039211
## 3690	NM_001170536_intron_0_0_chr1_1512691_f	0	NM_001170536
## 3691	NM_018188_intron_1_0_chr1_1516089_f	0	NM_018188
## 3692	NR_147951_intron_0_0_chr1_1599617_f	0	NR_147951
## 3693	NR_147951_intron_1_0_chr1_1600707_f	0	NR_147951
## 3694	NR_002946_intron_0_0_chr1_1632914_f	0	NR_002946
## 3695	NR_002946_intron_4_0_chr1_1634329_f	0	NR_002946
## 3696	NR_002946_intron_0_0_chr1_1700073_f	0	NR_002946
## 3697	NR_002946_intron_4_0_chr1_1701488_f	0	NR_002946
## 3698	NM_006983_intron_0_0_chr1_1632375_f	0	NM_006983
## 3699	NM_033487_intron_4_0_chr1_1642002_r	0	NM_033487
## 3700	NR_146324_intron_1_0_chr1_1616615_f	0	NR_146324
## 3701	NM_001198994_intron_5_0_chr1_1756658_r	0	NM_001198994
## 3702	NM_001198994_intron_4_0_chr1_1757311_r	0	NM_001198994
## 3703	NM_001198994_intron_3_0_chr1_1759244_r	0	NM_001198994
## 3704	NM_001198994_intron_2_0_chr1_1759903_r	0	NM_001198994
## 3705	NM_001198995_intron_0_0_chr1_1757311_r	0	NM_001198995
## 3706	NM_001330313_intron_0_0_chr1_1915308_f	0	NM_001330313
## 3707	NR_168263_intron_0_0_chr1_1891384_f	0	NR_168263
## 3708	NM_138705_intron_0_0_chr1_1915308_f	0	NM_138705
## 3709	NM_138705_intron_1_0_chr1_1915736_f	0	NM_138705
## 3710	NR_168264_intron_0_0_chr1_1891384_f	0	NR_168264
## 3711	NM_178545_intron_2_0_chr1_1918432_r	0	NM_178545
## 3712	NM_178545_intron_1_0_chr1_1918935_r	0	NM_178545
## 3713	NM_178545_intron_0_0_chr1_1919089_r	0	NM_178545
## 3714	NR_135509_intron_1_0_chr1_2049469_r	0	NR_135509
## 3715	NR_135509_intron_0_0_chr1_2049667_r	0	NR_135509
## 3716	NM_000815_intron_0_0_chr1_2019492_f	0	NM_000815
## 3717	NR_146290_intron_0_0_chr1_2182742_r	0	NR_146290
## 3718	NR_046427_intron_2_0_chr1_2189782_r	0	NR_046427
## 3719	NR_046427_intron_0_0_chr1_2193911_r	0	NR_046427
## 3720	NM_001033582_intron_0_0_chr1_2104896_f	0	NM_001033582
## 3721	NM_001146310_intron_4_0_chr1_2198143_r	0	NM_001146310
## 3722	NM_001146310_intron_3_0_chr1_2201226_r	0	NM_001146310
## 3723	NM_001146310_intron_2_0_chr1_2203631_r	0	NM_001146310
## 3724	NM_001146310_intron_1_0_chr1_2206425_r	0	NM_001146310
## 3725	NM_001146310_intron_0_0_chr1_2206668_r	0	NM_001146310
## 3726	NM_001282672_intron_3_0_chr1_2187207_r	0	NM_001282672
## 3727	NM_001282670_intron_4_0_chr1_2194134_r	0	NM_001282670
## 3728	NM_001282670_intron_2_0_chr1_2201226_r	0	NM_001282670
## 3729	NM_001282670_intron_1_0_chr1_2203631_r	0	NM_001282670
## 3730	NM_001282670_intron_0_0_chr1_2212459_r	0	NM_001282670
## 3731	NM_153818_intron_2_0_chr1_2406956_r	0	NM_153818
## 3732	NM_001374426_intron_0_0_chr1_2410452_r	0	NM_001374426
## 3733	NR_125361_intron_5_0_chr1_2378981_r	0	NR_125361
## 3734	NR_125361_intron_4_0_chr1_2379228_r	0	NR_125361
## 3735	NR_037844_intron_5_0_chr1_2550275_r	0	NR_037844
## 3736	NR_037844_intron_4_0_chr1_2550732_r	0	NR_037844
## 3737	NR_037844_intron_3_0_chr1_2552704_r	0	NR_037844
## 3738	NR_037844_intron_2_0_chr1_2553815_r	0	NR_037844
## 3739	NR_037844_intron_1_0_chr1_2554297_r	0	NR_037844

## 3740	NR_037844_intron_0_0_chr1_2556697_r	0	NR_037844
## 3741	NR_121638_intron_0_0_chr1_2566606_f	0	NR_121638
## 3742	NR_121638_intron_1_0_chr1_2581651_f	0	NR_121638
## 3743	NR_121638_intron_2_0_chr1_2583496_f	0	NR_121638
## 3744	NR_036637_intron_0_0_chr1_2586592_f	0	NR_036637
## 3745	NM_001195736_intron_2_0_chr1_2587793_f	0	NM_001195736
## 3746	NM_001195741_intron_3_0_chr1_2588454_f	0	NM_001195741
## 3747	NM_001195737_intron_3_0_chr1_2588454_f	0	NM_001195737
## 3748	NM_001195740_intron_3_0_chr1_2588454_f	0	NM_001195740
## 3749	NM_001010926_intron_1_0_chr1_2529750_r	0	NM_001010926
## 3750	NM_001010926_intron_0_0_chr1_2530012_r	0	NM_001010926
## 3751	NM_001297605_intron_4_0_chr1_2560715_f	0	NM_001297605
## 3752	NR_015440_intron_1_0_chr1_3064056_r	0	NR_015440
## 3753	NM_014448_intron_0_0_chr1_3454812_f	0	NM_014448
## 3754	NM_014448_intron_1_0_chr1_3463673_f	0	NM_014448
## 3755	NM_014448_intron_2_0_chr1_3466194_f	0	NM_014448
## 3756	NM_014448_intron_3_0_chr1_3467338_f	0	NM_014448
## 3757	NM_014448_intron_5_0_chr1_3469594_f	0	NM_014448
## 3758	NM_014448_intron_6_0_chr1_3473231_f	0	NM_014448
## 3759	NM_014448_intron_7_0_chr1_3473523_f	0	NM_014448
## 3760	NM_014448_intron_8_0_chr1_3474783_f	0	NM_014448
## 3761	NM_014448_intron_9_0_chr1_3476063_f	0	NM_014448
## 3762	NM_014448_intron_10_0_chr1_3478027_f	0	NM_014448
## 3763	NM_014448_intron_11_0_chr1_3478613_f	0	NM_014448
## 3764	NM_014448_intron_12_0_chr1_3479591_f	0	NM_014448
## 3765	NM_014448_intron_13_0_chr1_3479914_f	0	NM_014448
## 3766	NM_001126242_intron_0_0_chr1_3690945_f	0	NM_001126242
## 3767	NR_033708_intron_3_0_chr1_3737855_r	0	NR_033708
## 3768	NM_001204192_intron_0_0_chr1_3698152_f	0	NM_001204192
## 3769	NM_001379690_intron_0_0_chr1_3772842_f	0	NM_001379690
## 3770	NM_001379691_intron_0_0_chr1_3772789_f	0	NM_001379691
## 3771	NM_152492_intron_3_0_chr1_3756891_f	0	NM_152492
## 3772	NM_152492_intron_4_0_chr1_3761431_f	0	NM_152492
## 3773	NM_152492_intron_5_0_chr1_3762713_f	0	NM_152492
## 3774	NM_152492_intron_6_0_chr1_3763475_f	0	NM_152492
## 3775	NM_152492_intron_7_0_chr1_3763837_f	0	NM_152492
## 3776	NM_152492_intron_8_0_chr1_3766613_f	0	NM_152492
## 3777	NM_152492_intron_9_0_chr1_3767446_f	0	NM_152492
## 3778	NM_152492_intron_10_0_chr1_3769888_f	0	NM_152492
## 3779	NR_033712_intron_0_0_chr1_3746182_r	0	NR_033712
## 3780	NR_033710_intron_4_0_chr1_3739336_r	0	NR_033710
## 3781	NR_033710_intron_3_0_chr1_3739408_r	0	NR_033710
## 3782	NR_024455_intron_0_0_chr1_3900632_f	0	NR_024455
## 3783	NR_024455_intron_1_0_chr1_3904037_f	0	NR_024455
## 3784	NR_024455_intron_2_0_chr1_3914291_f	0	NR_024455
## 3785	NM_001320132_intron_1_0_chr1_3858845_f	0	NM_001320132
## 3786	NM_001320136_intron_1_0_chr1_3858845_f	0	NM_001320136
## 3787	NR_135152_intron_1_0_chr1_3858867_f	0	NR_135152
## 3788	NR_135151_intron_1_0_chr1_3858845_f	0	NR_135151
## 3789	NR_135151_intron_2_0_chr1_3860507_f	0	NR_135151
## 3790	NM_001282669_intron_1_0_chr1_3858867_f	0	NM_001282669
## 3791	NR_104222_intron_3_0_chr1_3866399_f	0	NR_104222
## 3792	NR_040065_intron_0_0_chr1_3940699_f	0	NR_040065
## 3793	NR_040065_intron_1_0_chr1_3941144_f	0	NR_040065

## 3794	NR_147024_intron_1_0_chr1_3947329_r	0	NR_147024
## 3795	NR_147024_intron_0_0_chr1_3948596_r	0	NR_147024
## 3796	NR_027088_intron_0_0_chr1_4412633_f	0	NR_027088
## 3797	NR_027088_intron_1_0_chr1_4415588_f	0	NR_027088
## 3798	NR_027088_intron_2_0_chr1_4416549_f	0	NR_027088
## 3799	NR_027088_intron_3_0_chr1_4423188_f	0	NR_027088
## 3800	NR_027088_intron_4_0_chr1_4423449_f	0	NR_027088
## 3801	NR_147025_intron_0_0_chr1_4571630_f	0	NR_147025
## 3802	NR_147025_intron_1_0_chr1_4572593_f	0	NR_147025
## 3803	NR_147025_intron_2_0_chr1_4582575_f	0	NR_147025
## 3804	NR_147025_intron_3_0_chr1_4583179_f	0	NR_147025
## 3805	NM_001199862_intron_0_0_chr1_6046184_f	0	NM_001199862
## 3806	NM_001199860_intron_0_0_chr1_6034795_f	0	NM_001199860
## 3807	NM_001199863_intron_0_0_chr1_6046184_f	0	NM_001199863
## 3808	NR_103534_intron_0_0_chr1_6236337_f	0	NR_103534
## 3809	NR_103534_intron_1_0_chr1_6237151_f	0	NR_103534
## 3810	NR_103534_intron_2_0_chr1_6237346_f	0	NR_103534
## 3811	NR_103534_intron_3_0_chr1_6237849_f	0	NR_103534
## 3812	NM_001024598_intron_0_0_chr1_6244242_f	0	NM_001024598
## 3813	NM_001024598_intron_1_0_chr1_6244447_f	0	NM_001024598
## 3814	NM_001024598_intron_2_0_chr1_6244630_f	0	NM_001024598
## 3815	NR_125997_intron_1_0_chr1_6204983_r	0	NR_125997
## 3816	NR_125997_intron_0_0_chr1_6205414_r	0	NR_125997
## 3817	NM_207396_intron_0_0_chr1_6206303_f	0	NM_207396
## 3818	NM_207396_intron_1_0_chr1_6206727_f	0	NM_207396
## 3819	NM_207396_intron_2_0_chr1_6207512_f	0	NM_207396
## 3820	NM_207396_intron_14_0_chr1_6212734_f	0	NM_207396
## 3821	NM_019089_intron_2_0_chr1_6419154_r	0	NM_019089
## 3822	NM_019089_intron_1_0_chr1_6419341_r	0	NM_019089
## 3823	NM_019089_intron_0_0_chr1_6419703_r	0	NM_019089
## 3824	NM_020631_intron_0_0_chr1_6477659_r	0	NM_020631
## 3825	NM_001265593_intron_0_0_chr1_6477659_r	0	NM_001265593
## 3826	NM_001265592_intron_0_0_chr1_6496570_r	0	NM_001265592
## 3827	NM_148965_intron_5_0_chr1_6462971_r	0	NM_148965
## 3828	NM_148965_intron_4_0_chr1_6463148_r	0	NM_148965
## 3829	NM_001265594_intron_19_0_chr1_6467899_r	0	NM_001265594
## 3830	NM_198681_intron_0_0_chr1_6496570_r	0	NM_198681
## 3831	NM_001042665_intron_0_0_chr1_6477659_r	0	NM_001042665
## 3832	NM_001367474_intron_8_0_chr1_6449092_f	0	NM_001367474
## 3833	NM_001367474_intron_9_0_chr1_6450471_f	0	NM_001367474
## 3834	NM_148970_intron_1_0_chr1_6462664_r	0	NM_148970
## 3835	NM_148966_intron_5_0_chr1_6462664_r	0	NM_148966
## 3836	NM_177540_intron_0_0_chr1_6555565_f	0	NM_177540
## 3837	NM_177540_intron_1_0_chr1_6571216_f	0	NM_177540
## 3838	NM_177540_intron_2_0_chr1_6576628_f	0	NM_177540
## 3839	NM_177540_intron_3_0_chr1_6577071_f	0	NM_177540
## 3840	NM_138697_intron_1_0_chr1_6571216_f	0	NM_138697
## 3841	NM_138697_intron_2_0_chr1_6575393_f	0	NM_138697
## 3842	NM_001195753_intron_0_0_chr1_6624955_f	0	NM_001195753
## 3843	NM_138350_intron_2_0_chr1_6630354_f	0	NM_138350
## 3844	NM_138350_intron_3_0_chr1_6632496_f	0	NM_138350
## 3845	NR_149049_intron_1_0_chr1_6784046_r	0	NR_149049
## 3846	NR_149049_intron_0_0_chr1_6784224_r	0	NR_149049
## 3847	NR_104620_intron_0_0_chr1_6724851_f	0	NR_104620

## 3848	NR_104621_intron_0_0_chr1_6727613_f	0	NR_104621
## 3849	NR_146201_intron_1_0_chr1_7388438_r	0	NR_146201
## 3850	NR_146201_intron_0_0_chr1_7389440_r	0	NR_146201
## 3851	NR_146200_intron_1_0_chr1_7388494_r	0	NR_146200
## 3852	NR_146199_intron_1_0_chr1_7382724_r	0	NR_146199
## 3853	NM_001289861_intron_0_0_chr1_7784469_f	0	NM_001289861
## 3854	NM_001289861_intron_18_0_chr1_7829952_f	0	NM_001289861
## 3855	NM_016831_intron_4_0_chr1_7788247_f	0	NM_016831
## 3856	NM_001289864_intron_5_0_chr1_7794009_f	0	NM_001289864
## 3857	NM_018948_intron_0_0_chr1_8015693_r	0	NM_018948
## 3858	NR_125998_intron_0_0_chr1_8208874_f	0	NR_125998
## 3859	NR_125998_intron_1_0_chr1_8210596_f	0	NR_125998
## 3860	NR_125998_intron_2_0_chr1_8214679_f	0	NR_125998
## 3861	NM_001379617_intron_0_0_chr1_8318187_f	0	NM_001379617
## 3862	NM_001379617_intron_1_0_chr1_8326043_f	0	NM_001379617
## 3863	NM_001379617_intron_2_0_chr1_8330937_f	0	NM_001379617
## 3864	NM_001379617_intron_3_0_chr1_8335615_f	0	NM_001379617
## 3865	NM_001379617_intron_4_0_chr1_8337993_f	0	NM_001379617
## 3866	NM_001379617_intron_5_0_chr1_8339699_f	0	NM_001379617
## 3867	NM_001379618_intron_3_0_chr1_8335591_f	0	NM_001379618
## 3868	NM_001379614_intron_0_0_chr1_8318187_f	0	NM_001379614
## 3869	NM_001379614_intron_1_0_chr1_8324727_f	0	NM_001379614
## 3870	NM_001379614_intron_2_0_chr1_8325391_f	0	NM_001379614
## 3871	NM_001379615_intron_1_0_chr1_8324727_f	0	NM_001379615
## 3872	NR_125999_intron_0_0_chr1_8424702_f	0	NR_125999
## 3873	NR_125999_intron_1_0_chr1_8428589_f	0	NR_125999
## 3874	NR_125999_intron_2_0_chr1_8429973_f	0	NR_125999
## 3875	NM_001353346_intron_3_0_chr1_8868058_r	0	NM_001353346
## 3876	NM_001353346_intron_2_0_chr1_8870884_r	0	NM_001353346
## 3877	NM_001270501_intron_0_0_chr1_8945966_f	0	NM_001270501
## 3878	NM_001270501_intron_1_0_chr1_8957286_f	0	NM_001270501
## 3879	NM_001270501_intron_2_0_chr1_8959003_f	0	NM_001270501
## 3880	NM_001270501_intron_3_0_chr1_8962657_f	0	NM_001270501
## 3881	NM_001270500_intron_0_0_chr1_8945966_f	0	NM_001270500
## 3882	NM_001270500_intron_1_0_chr1_8949443_f	0	NM_001270500
## 3883	NM_001270500_intron_6_0_chr1_8970982_f	0	NM_001270500
## 3884	NM_001270502_intron_0_0_chr1_8945966_f	0	NM_001270502
## 3885	NM_207420_intron_9_0_chr1_9004880_r	0	NM_207420
## 3886	NM_207420_intron_8_0_chr1_9007386_r	0	NM_207420
## 3887	NM_207420_intron_7_0_chr1_9010245_r	0	NM_207420
## 3888	NM_207420_intron_6_0_chr1_9013636_r	0	NM_207420
## 3889	NM_207420_intron_5_0_chr1_9014869_r	0	NM_207420
## 3890	NM_207420_intron_4_0_chr1_9015243_r	0	NM_207420
## 3891	NM_207420_intron_3_0_chr1_9018376_r	0	NM_207420
## 3892	NM_207420_intron_2_0_chr1_9019334_r	0	NM_207420
## 3893	NM_207420_intron_1_0_chr1_9023079_r	0	NM_207420
## 3894	NM_207420_intron_0_0_chr1_9025075_r	0	NM_207420
## 3895	NR_104623_intron_0_0_chr1_9427382_r	0	NR_104623
## 3896	NR_104622_intron_0_0_chr1_9427382_r	0	NR_104622
## 3897	NR_126366_intron_1_0_chr1_9672720_r	0	NR_126366
## 3898	NR_158969_intron_3_0_chr1_9950649_r	0	NR_158969
## 3899	NR_158969_intron_2_0_chr1_9951298_r	0	NR_158969
## 3900	NR_158969_intron_1_0_chr1_9952470_r	0	NR_158969
## 3901	NR_158969_intron_0_0_chr1_9955916_r	0	NR_158969

## 3902	NM_001316974_intron_1_0_chr1_9936628_r	0	NM_001316974
## 3903	NR_138250_intron_0_0_chr1_9997332_f	0	NR_138250
## 3904	NR_138250_intron_1_0_chr1_10004308_f	0	NR_138250
## 3905	NM_001365953_intron_0_0_chr1_10230998_f	0	NM_001365953
## 3906	NM_001304452_intron_0_0_chr1_10399331_f	0	NM_001304452
## 3907	NM_198544_intron_3_0_chr1_10440414_f	0	NM_198544
## 3908	NR_037187_intron_0_0_chr1_10431402_f	0	NR_037187
## 3909	NM_001302_intron_0_0_chr1_10450323_f	0	NM_001302
## 3910	NM_199006_intron_2_0_chr1_10434691_f	0	NM_199006
## 3911	NM_001170754_intron_10_0_chr1_10948845_r	0	NM_001170754
## 3912	NM_001170754_intron_2_0_chr1_10966483_r	0	NM_001170754
## 3913	NM_001170754_intron_1_0_chr1_10970090_r	0	NM_001170754
## 3914	NM_001170754_intron_0_0_chr1_10976257_r	0	NM_001170754
## 3915	NR_135063_intron_0_0_chr1_11100085_f	0	NR_135063
## 3916	NM_006610_intron_9_0_chr1_11027649_r	0	NM_006610
## 3917	NM_006610_intron_8_0_chr1_11030251_r	0	NM_006610
## 3918	NM_006610_intron_7_0_chr1_11030883_r	0	NM_006610
## 3919	NM_006610_intron_6_0_chr1_11034907_r	0	NM_006610
## 3920	NM_006610_intron_5_0_chr1_11037812_r	0	NM_006610
## 3921	NM_006610_intron_4_0_chr1_11043023_r	0	NM_006610
## 3922	NM_006610_intron_3_0_chr1_11043536_r	0	NM_006610
## 3923	NM_006610_intron_2_0_chr1_11045540_r	0	NM_006610
## 3924	NM_006610_intron_1_0_chr1_11046734_r	0	NM_006610
## 3925	NM_006610_intron_0_0_chr1_11047120_r	0	NM_006610
## 3926	NM_139208_intron_3_0_chr1_11044954_r	0	NM_139208
## 3927	NR_046600_intron_0_0_chr1_11143988_f	0	NR_046600
## 3928	NR_046600_intron_1_0_chr1_11144887_f	0	NR_046600
## 3929	NR_046600_intron_2_0_chr1_11145280_f	0	NR_046600
## 3930	NM_021146_intron_0_0_chr1_11189956_f	0	NM_021146
## 3931	NM_021146_intron_1_0_chr1_11192371_f	0	NM_021146
## 3932	NM_021146_intron_2_0_chr1_11193775_f	0	NM_021146
## 3933	NM_021146_intron_3_0_chr1_11194660_f	0	NM_021146
## 3934	NR_104624_intron_0_0_chr1_11610114_f	0	NR_104624
## 3935	NR_104624_intron_1_0_chr1_11611979_f	0	NR_104624
## 3936	NR_130909_intron_0_0_chr1_11654953_f	0	NR_130909
## 3937	NM_001304790_intron_0_0_chr1_11654953_f	0	NM_001304790
## 3938	NM_001304791_intron_0_0_chr1_11654582_f	0	NM_001304791
## 3939	NM_001330355_intron_2_0_chr1_11658365_f	0	NM_001330355
## 3940	NM_012168_intron_4_0_chr1_11648829_r	0	NM_012168
## 3941	NM_012168_intron_3_0_chr1_11649226_r	0	NM_012168
## 3942	NM_012168_intron_1_0_chr1_11650075_r	0	NM_012168
## 3943	NM_012168_intron_0_0_chr1_11650835_r	0	NM_012168
## 3944	NM_198545_intron_0_0_chr1_11691854_f	0	NM_198545
## 3945	NM_198545_intron_1_0_chr1_11706710_f	0	NM_198545
## 3946	NM_198545_intron_2_0_chr1_11709466_f	0	NM_198545
## 3947	NM_198545_intron_3_0_chr1_11711966_f	0	NM_198545
## 3948	NM_198545_intron_4_0_chr1_11712430_f	0	NM_198545
## 3949	NM_198545_intron_5_0_chr1_11715209_f	0	NM_198545
## 3950	NM_001010881_intron_0_0_chr1_11762306_f	0	NM_001010881
## 3951	NM_001010881_intron_1_0_chr1_11764471_f	0	NM_001010881
## 3952	NM_001010881_intron_2_0_chr1_11767086_f	0	NM_001010881
## 3953	NM_001010881_intron_3_0_chr1_11767265_f	0	NM_001010881
## 3954	NM_001010881_intron_4_0_chr1_11768276_f	0	NM_001010881
## 3955	NM_001010881_intron_5_0_chr1_11769128_f	0	NM_001010881

## 3956	NM_001010881_intron_6_0_chr1_11771637_f	0	NM_001010881
## 3957	NM_001010881_intron_7_0_chr1_11772260_f	0	NM_001010881
## 3958	NM_001010881_intron_8_0_chr1_11775611_f	0	NM_001010881
## 3959	NM_001010881_intron_9_0_chr1_11776639_f	0	NM_001010881
## 3960	NM_001010881_intron_10_0_chr1_11778817_f	0	NM_001010881
## 3961	NM_001010881_intron_11_0_chr1_11779081_f	0	NM_001010881
## 3962	NM_001010881_intron_12_0_chr1_11780011_f	0	NM_001010881
## 3963	NM_001010881_intron_13_0_chr1_11782334_f	0	NM_001010881
## 3964	NM_001010881_intron_14_0_chr1_11784594_f	0	NM_001010881
## 3965	NM_001010881_intron_15_0_chr1_11785290_f	0	NM_001010881
## 3966	NM_001010881_intron_16_0_chr1_11787494_f	0	NM_001010881
## 3967	NM_001010881_intron_17_0_chr1_11788048_f	0	NM_001010881
## 3968	NM_001010881_intron_18_0_chr1_11788379_f	0	NM_001010881
## 3969	NM_001010881_intron_19_0_chr1_11788747_f	0	NM_001010881
## 3970	NR_126000_intron_1_0_chr1_11778285_r	0	NR_126000
## 3971	NR_126000_intron_0_0_chr1_11778808_r	0	NR_126000
## 3972	NR_046428_intron_8_0_chr1_11826225_f	0	NR_046428
## 3973	NM_006172_intron_1_0_chr1_11846015_r	0	NM_006172
## 3974	NM_006172_intron_0_0_chr1_11847440_r	0	NM_006172
## 3975	NM_001256959_intron_1_0_chr1_11807191_f	0	NM_001256959
## 3976	NM_002521_intron_1_0_chr1_11857672_r	0	NM_002521
## 3977	NM_002521_intron_0_0_chr1_11858470_r	0	NM_002521
## 3978	NM_001281430_intron_0_0_chr1_12063662_f	0	NM_001281430
## 3979	NM_001281430_intron_11_0_chr1_12135614_f	0	NM_001281430
## 3980	NM_001013630_intron_0_0_chr1_12644715_f	0	NM_001013630
## 3981	NM_001013630_intron_1_0_chr1_12651340_f	0	NM_001013630
## 3982	NM_001013630_intron_2_0_chr1_12661855_f	0	NM_001013630
## 3983	NM_152290_intron_0_0_chr1_12746542_f	0	NM_152290
## 3984	NM_152290_intron_1_0_chr1_12755814_f	0	NM_152290
## 3985	NM_152290_intron_2_0_chr1_12759488_f	0	NM_152290
## 3986	NR_146629_intron_0_0_chr1_12822940_r	0	NR_146629
## 3987	NR_111984_intron_0_0_chr1_12716345_f	0	NR_111984
## 3988	NR_111984_intron_1_0_chr1_12720947_f	0	NR_111984
## 3989	NM_001103170_intron_0_0_chr1_12716345_f	0	NM_001103170
## 3990	NM_001103170_intron_1_0_chr1_12719692_f	0	NM_001103170
## 3991	NM_023013_intron_0_0_chr1_12791475_f	0	NM_023013
## 3992	NM_023013_intron_1_0_chr1_12793515_f	0	NM_023013
## 3993	NM_023013_intron_2_0_chr1_12794494_f	0	NM_023013
## 3994	NM_001294139_intron_0_0_chr1_12794970_f	0	NM_001294139
## 3995	NM_001080830_intron_0_0_chr1_12775155_f	0	NM_001080830
## 3996	NM_001080830_intron_1_0_chr1_12776119_f	0	NM_001080830
## 3997	NM_001146344_intron_2_0_chr1_12825504_r	0	NM_001146344
## 3998	NM_001146344_intron_1_0_chr1_12827831_r	0	NM_001146344
## 3999	NM_001146344_intron_0_0_chr1_12828806_r	0	NM_001146344
## 4000	NM_001330361_intron_0_0_chr1_12746542_f	0	NM_001330361
## 4001	NM_001010889_intron_2_0_chr1_12939237_r	0	NM_001010889
## 4002	NM_001010889_intron_1_0_chr1_12941566_r	0	NM_001010889
## 4003	NM_001010889_intron_0_0_chr1_12942541_r	0	NM_001010889
## 4004	NM_001013631_intron_0_0_chr1_12848471_r	0	NM_001013631
## 4005	NM_001009611_intron_2_0_chr1_12880106_r	0	NM_001009611
## 4006	NM_001009611_intron_1_0_chr1_12882436_r	0	NM_001009611
## 4007	NM_001009611_intron_0_0_chr1_12883411_r	0	NM_001009611
## 4008	NM_023014_intron_0_0_chr1_12857148_f	0	NM_023014
## 4009	NM_023014_intron_1_0_chr1_12859297_f	0	NM_023014

## 4010	NM_023014_intron_2_0_chr1_12860272_f	0	NM_023014
## 4011	NM_001039361_intron_2_0_chr1_12893475_r	0	NM_001039361
## 4012	NM_001039361_intron_1_0_chr1_12895165_r	0	NM_001039361
## 4013	NM_001039361_intron_0_0_chr1_12895873_r	0	NM_001039361
## 4014	NM_001012277_intron_0_0_chr1_12916688_f	0	NM_001012277
## 4015	NM_001012277_intron_1_0_chr1_12917980_f	0	NM_001012277
## 4016	NM_001012277_intron_2_0_chr1_12918938_f	0	NM_001012277
## 4017	NR_111945_intron_2_0_chr1_13095763_r	0	NR_111945
## 4018	NR_111945_intron_1_0_chr1_13097289_r	0	NR_111945
## 4019	NR_111945_intron_0_0_chr1_13097997_r	0	NR_111945
## 4020	NM_001300891_intron_2_0_chr1_13050370_r	0	NM_001300891
## 4021	NM_001300891_intron_1_0_chr1_13052700_r	0	NM_001300891
## 4022	NM_001300891_intron_0_0_chr1_13053676_r	0	NM_001300891
## 4023	NM_001306072_intron_0_0_chr1_13073987_f	0	NM_001306072
## 4024	NM_001306072_intron_1_0_chr1_13075241_f	0	NM_001306072
## 4025	NM_001382358_intron_0_0_chr1_13060931_f	0	NM_001382358
## 4026	NR_111945_intron_0_0_chr1_13127147_f	0	NR_111945
## 4027	NR_111945_intron_1_0_chr1_13129105_f	0	NR_111945
## 4028	NR_111945_intron_2_0_chr1_13130077_f	0	NR_111945
## 4029	NM_001136561_intron_0_0_chr1_13116582_r	0	NM_001136561
## 4030	NM_001306072_intron_1_0_chr1_13149799_r	0	NM_001306072
## 4031	NM_001306072_intron_0_0_chr1_13152131_r	0	NM_001306072
## 4032	NM_001010890_intron_0_0_chr1_13175574_f	0	NM_001010890
## 4033	NM_001010890_intron_1_0_chr1_13176823_f	0	NM_001010890
## 4034	NM_001100631_intron_1_0_chr1_13223906_r	0	NM_001100631
## 4035	NM_001100631_intron_0_0_chr1_13225434_r	0	NM_001100631
## 4036	NM_001382358_intron_0_0_chr1_13165649_r	0	NM_001382358
## 4037	NM_001300891_intron_0_0_chr1_13170381_f	0	NM_001300891
## 4038	NM_001291380_intron_2_0_chr1_13197382_r	0	NM_001291380
## 4039	NM_001291380_intron_1_0_chr1_13198907_r	0	NM_001291380
## 4040	NM_001291380_intron_0_0_chr1_13199615_r	0	NM_001291380
## 4041	NM_001013407_intron_0_0_chr1_13254276_f	0	NM_001013407
## 4042	NM_001013407_intron_1_0_chr1_13259556_f	0	NM_001013407
## 4043	NM_001013407_intron_2_0_chr1_13260804_f	0	NM_001013407
## 4044	NM_001012276_intron_2_0_chr1_13281933_r	0	NM_001012276
## 4045	NM_001012276_intron_1_0_chr1_13283423_r	0	NM_001012276
## 4046	NM_001012276_intron_0_0_chr1_13284117_r	0	NM_001012276
## 4047	NM_001291381_intron_0_0_chr1_13303587_f	0	NM_001291381
## 4048	NM_001291381_intron_1_0_chr1_13306242_f	0	NM_001291381
## 4049	NM_001291381_intron_2_0_chr1_13307217_f	0	NM_001291381
## 4050	NM_001024661_intron_2_0_chr1_13343087_r	0	NM_001024661
## 4051	NM_001024661_intron_1_0_chr1_13344617_r	0	NM_001024661
## 4052	NM_001024661_intron_0_0_chr1_13345340_r	0	NM_001024661
## 4053	NM_001098376_intron_0_0_chr1_13315659_f	0	NM_001098376
## 4054	NM_001098376_intron_1_0_chr1_13318701_f	0	NM_001098376
## 4055	NM_001098376_intron_2_0_chr1_13319954_f	0	NM_001098376
## 4056	NM_001099851_intron_0_0_chr1_13389945_f	0	NM_001099851
## 4057	NM_001099851_intron_1_0_chr1_13390920_f	0	NM_001099851
## 4058	NM_001099852_intron_0_0_chr1_13410545_f	0	NM_001099852
## 4059	NM_001099852_intron_1_0_chr1_13416642_f	0	NM_001099852
## 4060	NM_001099852_intron_2_0_chr1_13418701_f	0	NM_001099852
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## 4062	NM_001385053_intron_0_0_chr1_13585715_f	0	NM_001385053
## 4063	NM_001017999_intron_0_0_chr1_14946174_f	0	NM_001017999

## 4064	NR_027136_intron_3_0_chr1_15117808_r	0	NR_027136
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## 4066	NR_027136_intron_0_0_chr1_15124374_r	0	NR_027136
## 4067	NR_167931_intron_1_0_chr1_15164462_r	0	NR_167931
## 4068	NR_167931_intron_0_0_chr1_15171316_r	0	NR_167931
## 4069	NR_167930_intron_1_0_chr1_15168778_r	0	NR_167930
## 4070	NM_007272_intron_0_0_chr1_15438505_f	0	NM_007272
## 4071	NM_007272_intron_1_0_chr1_15440392_f	0	NM_007272
## 4072	NM_007272_intron_4_0_chr1_15443556_f	0	NM_007272
## 4073	NM_007272_intron_5_0_chr1_15444752_f	0	NM_007272
## 4074	NR_102733_intron_1_0_chr1_15507908_r	0	NR_102733
## 4075	NM_015849_intron_0_0_chr1_15476166_f	0	NM_015849
## 4076	NM_015849_intron_1_0_chr1_15476546_f	0	NM_015849
## 4077	NM_015849_intron_2_0_chr1_15481196_f	0	NM_015849
## 4078	NM_015849_intron_3_0_chr1_15482394_f	0	NM_015849
## 4079	NM_015849_intron_4_0_chr1_15483401_f	0	NM_015849
## 4080	NM_015849_intron_6_0_chr1_15487438_f	0	NM_015849
## 4081	NM_032996_intron_0_0_chr1_15518396_r	0	NM_032996
## 4082	NR_109898_intron_12_0_chr1_15566411_f	0	NR_109898
## 4083	NR_149050_intron_0_0_chr1_15740223_r	0	NR_149050
## 4084	NR_024279_intron_0_0_chr1_15836907_r	0	NR_024279
## 4085	NM_017556_intron_0_0_chr1_15758849_f	0	NM_017556
## 4086	NM_017556_intron_2_0_chr1_15765234_f	0	NM_017556
## 4087	NM_017556_intron_3_0_chr1_15767564_f	0	NM_017556
## 4088	NM_017556_intron_4_0_chr1_15768631_f	0	NM_017556
## 4089	NM_017556_intron_5_0_chr1_15770579_f	0	NM_017556
## 4090	NM_001013641_intron_0_0_chr1_15742648_f	0	NM_001013641
## 4091	NM_001013641_intron_1_0_chr1_15742908_f	0	NM_001013641
## 4092	NM_001013641_intron_2_0_chr1_15743195_f	0	NM_001013641
## 4093	NM_001013641_intron_3_0_chr1_15744581_f	0	NM_001013641
## 4094	NM_001013641_intron_4_0_chr1_15747055_f	0	NM_001013641
## 4095	NM_001024216_intron_2_0_chr1_15765234_f	0	NM_001024216
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## 4097	NM_001350151_intron_1_0_chr1_15758330_f	0	NM_001350151
## 4098	NM_001287604_intron_2_0_chr1_15947124_r	0	NM_001287604
## 4099	NM_182623_intron_5_0_chr1_16058718_r	0	NM_182623
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## 4101	NM_182623_intron_3_0_chr1_16060052_r	0	NM_182623
## 4102	NM_182623_intron_2_0_chr1_16062193_r	0	NM_182623
## 4103	NM_182623_intron_1_0_chr1_16062535_r	0	NM_182623
## 4104	NM_182623_intron_0_0_chr1_16063637_r	0	NM_182623
## 4105	NM_001042704_intron_0_0_chr1_16022064_f	0	NM_001042704
## 4106	NM_001042704_intron_2_0_chr1_16023929_f	0	NM_001042704
## 4107	NM_001042704_intron_3_0_chr1_16024892_f	0	NM_001042704
## 4108	NM_001042704_intron_4_0_chr1_16026248_f	0	NM_001042704
## 4109	NM_001042704_intron_5_0_chr1_16026614_f	0	NM_001042704
## 4110	NM_001042704_intron_6_0_chr1_16026776_f	0	NM_001042704
## 4111	NM_001042704_intron_7_0_chr1_16027436_f	0	NM_001042704
## 4112	NM_001042704_intron_8_0_chr1_16027906_f	0	NM_001042704
## 4113	NM_001042704_intron_9_0_chr1_16028120_f	0	NM_001042704
## 4114	NM_001042704_intron_10_0_chr1_16028846_f	0	NM_001042704
## 4115	NM_001042704_intron_11_0_chr1_16029300_f	0	NM_001042704
## 4116	NM_001042704_intron_12_0_chr1_16029801_f	0	NM_001042704
## 4117	NM_001042704_intron_13_0_chr1_16030076_f	0	NM_001042704

## 4118	NM_001042704_intron_14_0_chr1_16030675_f	0 NM_001042704
## 4119	NM_001042704_intron_15_0_chr1_16031844_f	0 NM_001042704
## 4120	NM_001042704_intron_16_0_chr1_16032292_f	0 NM_001042704
## 4121	NM_001042704_intron_18_0_chr1_16033257_f	0 NM_001042704
## 4122	NM_001349685_intron_0_0_chr1_16017186_r	0 NM_001349685
## 4123	NM_001349683_intron_0_0_chr1_16017220_r	0 NM_001349683
## 4124	NM_001165945_intron_0_0_chr1_16049246_f	0 NM_001165945
## 4125	NM_001165945_intron_1_0_chr1_16049703_f	0 NM_001165945
## 4126	NM_001165945_intron_2_0_chr1_16049917_f	0 NM_001165945
## 4127	NM_001165945_intron_3_0_chr1_16050601_f	0 NM_001165945
## 4128	NM_001165945_intron_4_0_chr1_16051049_f	0 NM_001165945
## 4129	NM_001165945_intron_5_0_chr1_16051548_f	0 NM_001165945
## 4130	NM_001165945_intron_6_0_chr1_16051821_f	0 NM_001165945
## 4131	NM_001165945_intron_7_0_chr1_16052412_f	0 NM_001165945
## 4132	NM_001165945_intron_8_0_chr1_16053773_f	0 NM_001165945
## 4133	NM_001165945_intron_9_0_chr1_16055524_f	0 NM_001165945
## 4134	NM_001165945_intron_10_0_chr1_16055759_f	0 NM_001165945
## 4135	NM_001165945_intron_11_0_chr1_16056509_f	0 NM_001165945
## 4136	NM_000085_intron_0_0_chr1_16043881_f	0 NM_000085
## 4137	NM_000085_intron_1_0_chr1_16044593_f	0 NM_000085
## 4138	NM_000085_intron_2_0_chr1_16045687_f	0 NM_000085
## 4139	NM_000085_intron_3_0_chr1_16046664_f	0 NM_000085
## 4140	NM_000085_intron_4_0_chr1_16048045_f	0 NM_000085
## 4141	NM_000085_intron_5_0_chr1_16048421_f	0 NM_000085
## 4142	NM_000085_intron_6_0_chr1_16048583_f	0 NM_000085
## 4143	NM_000085_intron_16_0_chr1_16055524_f	0 NM_000085
## 4144	NM_001257139_intron_2_0_chr1_16023929_f	0 NM_001257139
## 4145	NM_001257139_intron_15_0_chr1_16032292_f	0 NM_001257139
## 4146	NM_001349689_intron_0_0_chr1_16017223_r	0 NM_001349689
## 4147	NM_014424_intron_0_0_chr1_16017208_r	0 NM_014424
## 4148	NM_001349682_intron_0_0_chr1_16017853_r	0 NM_001349682
## 4149	NM_001349686_intron_1_0_chr1_16015718_r	0 NM_001349686
## 4150	NM_178840_intron_0_0_chr1_16004386_f	0 NM_178840
## 4151	NM_001329090_intron_11_0_chr1_16131871_r	0 NM_001329090
## 4152	NM_001329090_intron_1_0_chr1_16138431_r	0 NM_001329090
## 4153	NM_001329090_intron_0_0_chr1_16149048_r	0 NM_001329090
## 4154	NM_153213_intron_4_0_chr1_16207211_r	0 NM_153213
## 4155	NM_153213_intron_3_0_chr1_16207599_r	0 NM_153213
## 4156	NM_153213_intron_2_0_chr1_16207778_r	0 NM_153213
## 4157	NM_153213_intron_1_0_chr1_16208226_r	0 NM_153213
## 4158	NM_153213_intron_0_0_chr1_16209084_r	0 NM_153213
## 4159	NM_004431_intron_1_0_chr1_16149048_r	0 NM_004431
## 4160	NM_004431_intron_0_0_chr1_16150964_r	0 NM_004431
## 4161	NR_148413_intron_14_0_chr1_16396313_r	0 NR_148413
## 4162	NR_148413_intron_13_0_chr1_16396747_r	0 NR_148413
## 4163	NR_148413_intron_12_0_chr1_16399522_r	0 NR_148413
## 4164	NR_148413_intron_11_0_chr1_16400636_r	0 NR_148413
## 4165	NR_148413_intron_10_0_chr1_16400893_r	0 NR_148413
## 4166	NR_148413_intron_9_0_chr1_16403845_r	0 NR_148413
## 4167	NR_148413_intron_8_0_chr1_16404040_r	0 NR_148413
## 4168	NR_148413_intron_7_0_chr1_16405105_r	0 NR_148413
## 4169	NR_148413_intron_6_0_chr1_16409204_r	0 NR_148413
## 4170	NR_148413_intron_5_0_chr1_16410044_r	0 NR_148413
## 4171	NR_148413_intron_4_0_chr1_16410916_r	0 NR_148413

## 4172	NR_148413_intron_3_0_chr1_16422195_r	0	NR_148413
## 4173	NR_148413_intron_2_0_chr1_16425732_r	0	NR_148413
## 4174	NR_148413_intron_1_0_chr1_16428016_r	0	NR_148413
## 4175	NR_148413_intron_0_0_chr1_16431423_r	0	NR_148413
## 4176	NR_147210_intron_0_0_chr1_16463288_f	0	NR_147210
## 4177	NR_023386_intron_13_0_chr1_16470128_r	0	NR_023386
## 4178	NR_023386_intron_1_0_chr1_16491085_r	0	NR_023386
## 4179	NR_023386_intron_0_0_chr1_16491317_r	0	NR_023386
## 4180	NM_198546_intron_11_0_chr1_16398823_r	0	NM_198546
## 4181	NM_198546_intron_10_0_chr1_16399522_r	0	NM_198546
## 4182	NM_198546_intron_4_0_chr1_16410044_r	0	NM_198546
## 4183	NM_198546_intron_3_0_chr1_16421558_r	0	NM_198546
## 4184	NM_198546_intron_2_0_chr1_16421972_r	0	NM_198546
## 4185	NM_198546_intron_1_0_chr1_16431423_r	0	NM_198546
## 4186	NM_198546_intron_0_0_chr1_16432925_r	0	NM_198546
## 4187	NM_001353349_intron_1_0_chr1_16410916_r	0	NM_001353349
## 4188	NM_001353349_intron_0_0_chr1_16425732_r	0	NM_001353349
## 4189	NR_135764_intron_0_0_chr1_16534210_r	0	NR_135764
## 4190	NM_017940_intron_25_0_chr1_16565810_r	0	NM_017940
## 4191	NM_017940_intron_16_0_chr1_16577420_r	0	NM_017940
## 4192	NM_017940_intron_1_0_chr1_16595010_r	0	NM_017940
## 4193	NR_026567_intron_9_0_chr1_16691295_r	0	NR_026567
## 4194	NR_026567_intron_7_0_chr1_16696925_r	0	NR_026567
## 4195	NR_026567_intron_6_0_chr1_16699622_r	0	NR_026567
## 4196	NR_026567_intron_5_0_chr1_16700021_r	0	NR_026567
## 4197	NR_026567_intron_4_0_chr1_16702973_r	0	NR_026567
## 4198	NR_026567_intron_3_0_chr1_16704145_r	0	NR_026567
## 4199	NR_026567_intron_2_0_chr1_16707420_r	0	NR_026567
## 4200	NR_026567_intron_1_0_chr1_16707728_r	0	NR_026567
## 4201	NR_026567_intron_0_0_chr1_16708079_r	0	NR_026567
## 4202	NM_001271733_intron_10_0_chr1_16758089_r	0	NM_001271733
## 4203	NM_001271733_intron_9_0_chr1_16758587_r	0	NM_001271733
## 4204	NM_001271733_intron_8_0_chr1_16759036_r	0	NM_001271733
## 4205	NM_001271733_intron_7_0_chr1_16759169_r	0	NM_001271733
## 4206	NM_001271733_intron_6_0_chr1_16759400_r	0	NM_001271733
## 4207	NM_001271733_intron_5_0_chr1_16759687_r	0	NM_001271733
## 4208	NM_001271733_intron_3_0_chr1_16760273_r	0	NM_001271733
## 4209	NM_001271733_intron_2_0_chr1_16760491_r	0	NM_001271733
## 4210	NM_001271733_intron_1_0_chr1_16760874_r	0	NM_001271733
## 4211	NM_001271733_intron_0_0_chr1_16761103_r	0	NM_001271733
## 4212	NR_160658_intron_0_0_chr1_16873144_f	0	NR_160658
## 4213	NR_160657_intron_0_0_chr1_16873144_f	0	NR_160657
## 4214	NM_017459_intron_0_0_chr1_16978315_r	0	NM_017459
## 4215	NM_001135247_intron_1_0_chr1_16977196_r	0	NM_001135247
## 4216	NM_013358_intron_0_0_chr1_17205310_f	0	NM_013358
## 4217	NM_013358_intron_1_0_chr1_17222471_f	0	NM_013358
## 4218	NM_013358_intron_2_0_chr1_17223694_f	0	NM_013358
## 4219	NM_013358_intron_3_0_chr1_17224429_f	0	NM_013358
## 4220	NM_013358_intron_4_0_chr1_17225929_f	0	NM_013358
## 4221	NM_013358_intron_5_0_chr1_17226159_f	0	NM_013358
## 4222	NM_013358_intron_6_0_chr1_17228798_f	0	NM_013358
## 4223	NM_013358_intron_7_0_chr1_17229052_f	0	NM_013358
## 4224	NM_013358_intron_8_0_chr1_17230209_f	0	NM_013358
## 4225	NM_013358_intron_9_0_chr1_17230680_f	0	NM_013358

## 4226	NM_013358_intron_10_0_chr1_17232971_f	0	NM_013358
## 4227	NM_013358_intron_11_0_chr1_17237459_f	0	NM_013358
## 4228	NM_013358_intron_12_0_chr1_17238710_f	0	NM_013358
## 4229	NM_013358_intron_13_0_chr1_17239784_f	0	NM_013358
## 4230	NM_013358_intron_14_0_chr1_17240761_f	0	NM_013358
## 4231	NR_148993_intron_0_0_chr1_17189931_f	0	NR_148993
## 4232	NR_148993_intron_1_0_chr1_17193166_f	0	NR_148993
## 4233	NR_148993_intron_2_0_chr1_17195602_f	0	NR_148993
## 4234	NM_207421_intron_0_0_chr1_17372362_f	0	NM_207421
## 4235	NM_207421_intron_1_0_chr1_17373234_f	0	NM_207421
## 4236	NM_207421_intron_2_0_chr1_17375500_f	0	NM_207421
## 4237	NM_207421_intron_3_0_chr1_17379988_f	0	NM_207421
## 4238	NM_207421_intron_4_0_chr1_17381165_f	0	NM_207421
## 4239	NM_207421_intron_5_0_chr1_17382093_f	0	NM_207421
## 4240	NM_207421_intron_6_0_chr1_17388560_f	0	NM_207421
## 4241	NM_207421_intron_7_0_chr1_17388881_f	0	NM_207421
## 4242	NM_207421_intron_8_0_chr1_17392226_f	0	NM_207421
## 4243	NR_125946_intron_0_0_chr1_18065848_f	0	NR_125946
## 4244	NR_125946_intron_1_0_chr1_18068279_f	0	NR_125946
## 4245	NM_013945_intron_2_0_chr1_18635241_f	0	NM_013945
## 4246	NM_152232_intron_4_0_chr1_18840528_r	0	NM_152232
## 4247	NM_152232_intron_3_0_chr1_18841853_r	0	NM_152232
## 4248	NM_152232_intron_2_0_chr1_18849551_r	0	NM_152232
## 4249	NM_152232_intron_1_0_chr1_18854987_r	0	NM_152232
## 4250	NM_152232_intron_0_0_chr1_18857632_r	0	NM_152232
## 4251	NM_001375820_intron_13_0_chr1_19233136_r	0	NM_001375820
## 4252	NM_001375820_intron_12_0_chr1_19234189_r	0	NM_001375820
## 4253	NM_001271428_intron_11_0_chr1_19235250_r	0	NM_001271428
## 4254	NM_001320979_intron_1_0_chr1_19307411_r	0	NM_001320979
## 4255	NR_109848_intron_8_0_chr1_19328929_f	0	NR_109848
## 4256	NR_135054_intron_0_0_chr1_19591886_r	0	NR_135054
## 4257	NM_001204086_intron_0_0_chr1_19646034_f	0	NM_001204086
## 4258	NM_001204085_intron_0_0_chr1_19645531_f	0	NM_001204085
## 4259	NM_001204084_intron_0_0_chr1_19643955_f	0	NM_001204084
## 4260	NM_182744_intron_0_0_chr1_19643398_f	0	NM_182744
## 4261	NM_001278165_intron_0_0_chr1_19643626_f	0	NM_001278165
## 4262	NM_001278164_intron_0_0_chr1_19643379_f	0	NM_001278164
## 4263	NM_001278166_intron_0_0_chr1_19647671_f	0	NM_001278166
## 4264	NM_001204088_intron_1_0_chr1_19600972_f	0	NM_001204088
## 4265	NM_001204089_intron_0_0_chr1_19597110_f	0	NM_001204089
## 4266	NM_000871_intron_0_0_chr1_19666468_f	0	NM_000871
## 4267	NM_000871_intron_1_0_chr1_19678726_f	0	NM_000871
## 4268	NM_001161727_intron_0_0_chr1_19979660_r	0	NM_001161727
## 4269	NM_000300_intron_0_0_chr1_19979691_r	0	NM_000300
## 4270	NM_001161729_intron_0_0_chr1_19978912_r	0	NM_001161729
## 4271	NM_001161728_intron_0_0_chr1_19978880_r	0	NM_001161728
## 4272	NM_022819_intron_0_0_chr1_20139544_f	0	NM_022819
## 4273	NM_022819_intron_1_0_chr1_20140219_f	0	NM_022819
## 4274	NM_022819_intron_2_0_chr1_20143591_f	0	NM_022819
## 4275	NM_022819_intron_3_0_chr1_20144690_f	0	NM_022819
## 4276	NR_168502_intron_0_0_chr1_20154588_f	0	NR_168502
## 4277	NM_000929_intron_0_0_chr1_20070466_f	0	NM_000929
## 4278	NM_000929_intron_1_0_chr1_20084871_f	0	NM_000929
## 4279	NM_000929_intron_2_0_chr1_20086228_f	0	NM_000929

## 4280	NM_000929_intron_3_0_chr1_20089896_f	0	NM_000929
## 4281	NM_001271814_intron_1_0_chr1_20114260_r	0	NM_001271814
## 4282	NR_147205_intron_0_0_chr1_20243215_f	0	NR_147205
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## 4284	NR_033887_intron_9_0_chr1_20362395_r	0	NR_033887
## 4285	NR_033887_intron_8_0_chr1_20373739_r	0	NR_033887
## 4286	NR_033887_intron_7_0_chr1_20377510_r	0	NR_033887
## 4287	NR_033887_intron_6_0_chr1_20378433_r	0	NR_033887
## 4288	NR_033887_intron_5_0_chr1_20379027_r	0	NR_033887
## 4289	NR_033887_intron_4_0_chr1_20398788_r	0	NR_033887
## 4290	NR_033887_intron_3_0_chr1_20399550_r	0	NR_033887
## 4291	NR_033887_intron_2_0_chr1_20400988_r	0	NR_033887
## 4292	NR_033887_intron_1_0_chr1_20405695_r	0	NR_033887
## 4293	NR_033887_intron_0_0_chr1_20406270_r	0	NR_033887
## 4294	NR_046507_intron_1_0_chr1_20643119_r	0	NR_046507
## 4295	NM_001376796_intron_0_0_chr1_20780541_r	0	NM_001376796
## 4296	NM_001103161_intron_8_0_chr1_20721996_r	0	NM_001103161
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## 4298	NM_001103161_intron_6_0_chr1_20723735_r	0	NM_001103161
## 4299	NM_001103161_intron_5_0_chr1_20724252_r	0	NM_001103161
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## 4301	NM_001103161_intron_3_0_chr1_20726067_r	0	NM_001103161
## 4302	NM_001103161_intron_2_0_chr1_20727076_r	0	NM_001103161
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## 4306	NM_001103160_intron_0_0_chr1_20727604_r	0	NM_001103160
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## 4309	NM_001256416_intron_1_0_chr1_21445220_f	0	NM_001256416
## 4310	NM_001256416_intron_7_0_chr1_21474952_f	0	NM_001256416
## 4311	NM_001377495_intron_1_0_chr1_21445220_f	0	NM_001377495
## 4312	NM_001256417_intron_1_0_chr1_21445220_f	0	NM_001256417
## 4313	NM_001369805_intron_0_0_chr1_21509112_f	0	NM_001369805
## 4314	NM_001369804_intron_0_0_chr1_21509077_f	0	NM_001369804
## 4315	NM_001127501_intron_0_0_chr1_21509518_f	0	NM_001127501
## 4316	NM_001177520_intron_1_0_chr1_21560746_f	0	NM_001177520
## 4317	NM_001369803_intron_0_0_chr1_21551429_f	0	NM_001369803
## 4318	NM_001013693_intron_0_0_chr1_21812537_f	0	NM_001013693
## 4319	NM_005747_intron_0_0_chr1_22001718_f	0	NM_005747
## 4320	NM_005747_intron_1_0_chr1_22003089_f	0	NM_005747
## 4321	NM_005747_intron_2_0_chr1_22005545_f	0	NM_005747
## 4322	NM_005747_intron_3_0_chr1_22005797_f	0	NM_005747
## 4323	NM_005747_intron_4_0_chr1_22007015_f	0	NM_005747
## 4324	NM_005747_intron_5_0_chr1_22007516_f	0	NM_005747
## 4325	NM_005747_intron_6_0_chr1_22009858_f	0	NM_005747
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## 4327	NM_007352_intron_1_0_chr1_21978455_f	0	NM_007352
## 4328	NM_007352_intron_2_0_chr1_21980922_f	0	NM_007352
## 4329	NM_007352_intron_3_0_chr1_21981173_f	0	NM_007352
## 4330	NM_007352_intron_4_0_chr1_21983831_f	0	NM_007352
## 4331	NM_007352_intron_5_0_chr1_21984332_f	0	NM_007352
## 4332	NM_007352_intron_6_0_chr1_21986684_f	0	NM_007352
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## 4334	NR_110692_intron_0_0_chr1_22024967_r	0	NR_110692
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## 4337	NM_030761_intron_1_0_chr1_22121577_r	0	NM_030761
## 4338	NM_030761_intron_0_0_chr1_22129852_r	0	NM_030761
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## 4340	NM_001083621_intron_1_0_chr1_22452947_f	0	NM_001083621
## 4341	NM_001006943_intron_0_0_chr1_22563730_f	0	NM_001006943
## 4342	NM_001006943_intron_1_0_chr1_22569354_f	0	NM_001006943
## 4343	NM_001006943_intron_2_0_chr1_22576881_f	0	NM_001006943
## 4344	NM_001006943_intron_3_0_chr1_22586636_f	0	NM_001006943
## 4345	NM_020526_intron_4_0_chr1_22589207_f	0	NM_020526
## 4346	NM_020526_intron_5_0_chr1_22593451_f	0	NM_020526
## 4347	NM_020526_intron_6_0_chr1_22593687_f	0	NM_020526
## 4348	NM_020526_intron_7_0_chr1_22595324_f	0	NM_020526
## 4349	NM_020526_intron_8_0_chr1_22596174_f	0	NM_020526
## 4350	NM_020526_intron_9_0_chr1_22597477_f	0	NM_020526
## 4351	NM_020526_intron_10_0_chr1_22597862_f	0	NM_020526
## 4352	NM_020526_intron_11_0_chr1_22598213_f	0	NM_020526
## 4353	NM_020526_intron_12_0_chr1_22599048_f	0	NM_020526
## 4354	NM_020526_intron_13_0_chr1_22600811_f	0	NM_020526
## 4355	NM_020526_intron_14_0_chr1_22601089_f	0	NM_020526
## 4356	NM_020526_intron_15_0_chr1_22601474_f	0	NM_020526
## 4357	NM_001289974_intron_6_0_chr1_22954025_r	0	NM_001289974
## 4358	NM_001289974_intron_5_0_chr1_22955427_r	0	NM_001289974
## 4359	NM_001289974_intron_4_0_chr1_22958921_r	0	NM_001289974
## 4360	NM_001289974_intron_3_0_chr1_22960100_r	0	NM_001289974
## 4361	NM_001289974_intron_2_0_chr1_22963217_r	0	NM_001289974
## 4362	NM_001289974_intron_1_0_chr1_22965426_r	0	NM_001289974
## 4363	NM_001289974_intron_0_0_chr1_22972432_r	0	NM_001289974
## 4364	NM_001242521_intron_1_0_chr1_23011102_r	0	NM_001242521
## 4365	NM_001242521_intron_0_0_chr1_23014046_r	0	NM_001242521
## 4366	NR_110616_intron_0_0_chr1_23284411_r	0	NR_110616
## 4367	NM_003196_intron_6_0_chr1_23394032_r	0	NM_003196
## 4368	NR_110799_intron_0_0_chr1_23521986_f	0	NR_110799
## 4369	NR_110799_intron_1_0_chr1_23527071_f	0	NR_110799
## 4370	NR_167906_intron_0_0_chr1_23627538_f	0	NR_167906
## 4371	NR_167906_intron_1_0_chr1_23628598_f	0	NR_167906
## 4372	NR_167906_intron_2_0_chr1_23629558_f	0	NR_167906
## 4373	NR_167906_intron_3_0_chr1_23639796_f	0	NR_167906
## 4374	NR_167907_intron_2_0_chr1_23639796_f	0	NR_167907
## 4375	NR_167905_intron_2_0_chr1_23639796_f	0	NR_167905
## 4376	NR_167904_intron_1_0_chr1_23629558_f	0	NR_167904
## 4377	NR_167904_intron_2_0_chr1_23639252_f	0	NR_167904
## 4378	NR_167903_intron_2_0_chr1_23639796_f	0	NR_167903
## 4379	NR_167901_intron_0_0_chr1_23627538_f	0	NR_167901
## 4380	NR_167901_intron_1_0_chr1_23627999_f	0	NR_167901
## 4381	NR_167901_intron_3_0_chr1_23629558_f	0	NR_167901
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## 4383	NM_152372_intron_35_0_chr1_24057628_r	0	NM_152372
## 4384	NM_152372_intron_34_0_chr1_24058980_r	0	NM_152372
## 4385	NM_152372_intron_33_0_chr1_24061083_r	0	NM_152372
## 4386	NM_152372_intron_32_0_chr1_24061310_r	0	NM_152372
## 4387	NM_152372_intron_31_0_chr1_24062110_r	0	NM_152372

## 4388	NM_152372_intron_30_0_chr1_24063235_r	0	NM_152372
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## 4390	NM_152372_intron_28_0_chr1_24064160_r	0	NM_152372
## 4391	NM_152372_intron_27_0_chr1_24066002_r	0	NM_152372
## 4392	NM_152372_intron_26_0_chr1_24067089_r	0	NM_152372
## 4393	NM_152372_intron_25_0_chr1_24068030_r	0	NM_152372
## 4394	NM_152372_intron_24_0_chr1_24068368_r	0	NM_152372
## 4395	NM_152372_intron_23_0_chr1_24071254_r	0	NM_152372
## 4396	NM_152372_intron_22_0_chr1_24072014_r	0	NM_152372
## 4397	NM_152372_intron_21_0_chr1_24074270_r	0	NM_152372
## 4398	NM_152372_intron_20_0_chr1_24075476_r	0	NM_152372
## 4399	NM_152372_intron_19_0_chr1_24076274_r	0	NM_152372
## 4400	NM_152372_intron_18_0_chr1_24080195_r	0	NM_152372
## 4401	NM_152372_intron_17_0_chr1_24081457_r	0	NM_152372
## 4402	NM_152372_intron_16_0_chr1_24082189_r	0	NM_152372
## 4403	NM_152372_intron_15_0_chr1_24082715_r	0	NM_152372
## 4404	NM_152372_intron_14_0_chr1_24084640_r	0	NM_152372
## 4405	NM_152372_intron_13_0_chr1_24086828_r	0	NM_152372
## 4406	NM_152372_intron_12_0_chr1_24089666_r	0	NM_152372
## 4407	NM_152372_intron_11_0_chr1_24090119_r	0	NM_152372
## 4408	NM_152372_intron_10_0_chr1_24090997_r	0	NM_152372
## 4409	NM_152372_intron_9_0_chr1_24092316_r	0	NM_152372
## 4410	NM_152372_intron_8_0_chr1_24093109_r	0	NM_152372
## 4411	NM_152372_intron_7_0_chr1_24094991_r	0	NM_152372
## 4412	NM_152372_intron_6_0_chr1_24095487_r	0	NM_152372
## 4413	NM_152372_intron_5_0_chr1_24098012_r	0	NM_152372
## 4414	NM_152372_intron_4_0_chr1_24099776_r	0	NM_152372
## 4415	NM_152372_intron_3_0_chr1_24106078_r	0	NM_152372
## 4416	NM_152372_intron_2_0_chr1_24107233_r	0	NM_152372
## 4417	NM_152372_intron_1_0_chr1_24108074_r	0	NM_152372
## 4418	NM_152372_intron_0_0_chr1_24108655_r	0	NM_152372
## 4419	NR_027087_intron_0_0_chr1_24200392_f	0	NR_027087
## 4420	NR_027087_intron_1_0_chr1_24202600_f	0	NR_027087
## 4421	NM_021258_intron_5_0_chr1_24121738_r	0	NM_021258
## 4422	NM_021258_intron_4_0_chr1_24123424_r	0	NM_021258
## 4423	NM_021258_intron_3_0_chr1_24128280_r	0	NM_021258
## 4424	NM_021258_intron_2_0_chr1_24134387_r	0	NM_021258
## 4425	NM_021258_intron_1_0_chr1_24137310_r	0	NM_021258
## 4426	NM_021258_intron_0_0_chr1_24138715_r	0	NM_021258
## 4427	NM_173064_intron_5_0_chr1_24157805_r	0	NM_173064
## 4428	NM_173064_intron_0_0_chr1_24180855_r	0	NM_173064
## 4429	NM_173065_intron_4_0_chr1_24157892_r	0	NM_173065
## 4430	NM_021180_intron_0_0_chr1_24323118_f	0	NM_021180
## 4431	NM_021180_intron_1_0_chr1_24331613_f	0	NM_021180
## 4432	NM_021180_intron_2_0_chr1_24334707_f	0	NM_021180
## 4433	NM_021180_intron_3_0_chr1_24336828_f	0	NM_021180
## 4434	NM_021180_intron_4_0_chr1_24337152_f	0	NM_021180
## 4435	NM_021180_intron_5_0_chr1_24337790_f	0	NM_021180
## 4436	NM_021180_intron_6_0_chr1_24338104_f	0	NM_021180
## 4437	NM_021180_intron_7_0_chr1_24339763_f	0	NM_021180
## 4438	NM_021180_intron_8_0_chr1_24342274_f	0	NM_021180
## 4439	NM_021180_intron_9_0_chr1_24342773_f	0	NM_021180
## 4440	NM_021180_intron_10_0_chr1_24343026_f	0	NM_021180
## 4441	NM_021180_intron_11_0_chr1_24344932_f	0	NM_021180

## 4442	NM_021180_intron_12_0_chr1_24346642_f	0	NM_021180
## 4443	NM_021180_intron_13_0_chr1_24347554_f	0	NM_021180
## 4444	NM_021180_intron_14_0_chr1_24350123_f	0	NM_021180
## 4445	NM_001195010_intron_0_0_chr1_24319748_f	0	NM_001195010
## 4446	NM_198174_intron_0_0_chr1_24319569_f	0	NM_198174
## 4447	NM_198174_intron_14_0_chr1_24350123_f	0	NM_198174
## 4448	NR_045407_intron_1_0_chr1_24496597_r	0	NR_045407
## 4449	NR_045407_intron_0_0_chr1_24499764_r	0	NR_045407
## 4450	NR_045408_intron_0_0_chr1_24499805_r	0	NR_045408
## 4451	NR_045409_intron_0_0_chr1_24499712_r	0	NR_045409
## 4452	NR_144360_intron_0_0_chr1_24496597_r	0	NR_144360
## 4453	NM_001322858_intron_3_0_chr1_24442227_f	0	NM_001322858
## 4454	NM_001322858_intron_4_0_chr1_24444185_f	0	NM_001322858
## 4455	NM_001322857_intron_0_0_chr1_24416233_f	0	NM_001322857
## 4456	NM_001322868_intron_7_0_chr1_24456274_f	0	NM_001322868
## 4457	NM_001322865_intron_6_0_chr1_24453505_f	0	NM_001322865
## 4458	NM_001322863_intron_1_0_chr1_24419641_f	0	NM_001322863
## 4459	NM_001322862_intron_1_0_chr1_24419641_f	0	NM_001322862
## 4460	NM_001322862_intron_2_0_chr1_24433214_f	0	NM_001322862
## 4461	NM_001322854_intron_0_0_chr1_24413775_f	0	NM_001322854
## 4462	NR_136507_intron_1_0_chr1_24419641_f	0	NR_136507
## 4463	NR_136507_intron_3_0_chr1_24453505_f	0	NR_136507
## 4464	NR_136506_intron_5_0_chr1_24449627_f	0	NR_136506
## 4465	NM_001330409_intron_0_0_chr1_24415905_f	0	NM_001330409
## 4466	NM_001330409_intron_1_0_chr1_24416300_f	0	NM_001330409
## 4467	NM_001322861_intron_0_0_chr1_24415905_f	0	NM_001322861
## 4468	NM_001322859_intron_1_0_chr1_24419641_f	0	NM_001322859
## 4469	NR_136508_intron_6_0_chr1_24453505_f	0	NR_136508
## 4470	NM_001322856_intron_0_0_chr1_24415905_f	0	NM_001322856
## 4471	NR_109781_intron_1_0_chr1_24539877_r	0	NR_109781
## 4472	NR_109781_intron_0_0_chr1_24552049_r	0	NR_109781
## 4473	NM_001251985_intron_0_0_chr1_24514568_f	0	NM_001251985
## 4474	NM_001251982_intron_1_0_chr1_24531392_f	0	NM_001251982
## 4475	NM_001010980_intron_0_0_chr1_24556170_f	0	NM_001010980
## 4476	NM_001010980_intron_1_0_chr1_24595513_f	0	NM_001010980
## 4477	NM_001010980_intron_2_0_chr1_24601025_f	0	NM_001010980
## 4478	NM_001251980_intron_1_0_chr1_24531392_f	0	NM_001251980
## 4479	NR_159388_intron_9_0_chr1_24655691_f	0	NR_159388
## 4480	NR_135785_intron_3_0_chr1_25243634_r	0	NR_135785
## 4481	NM_138617_intron_2_0_chr1_25389114_r	0	NM_138617
## 4482	NM_138616_intron_2_0_chr1_25385845_r	0	NM_138616
## 4483	NR_135793_intron_1_0_chr1_25304822_r	0	NR_135793
## 4484	NR_135793_intron_0_0_chr1_25306950_r	0	NR_135793
## 4485	NR_135791_intron_1_0_chr1_25304822_r	0	NR_135791
## 4486	NR_135790_intron_0_0_chr1_25318272_r	0	NR_135790
## 4487	NM_001385185_intron_0_0_chr1_25696252_f	0	NM_001385185
## 4488	NM_001287490_intron_2_0_chr1_25832159_r	0	NM_001287490
## 4489	NM_178422_intron_0_0_chr1_25870695_r	0	NM_178422
## 4490	NM_203399_intron_0_0_chr1_25904739_r	0	NM_203399
## 4491	NM_001004434_intron_6_0_chr1_26039306_r	0	NM_001004434
## 4492	NM_001004434_intron_5_0_chr1_26039912_r	0	NM_001004434
## 4493	NM_001004434_intron_4_0_chr1_26041806_r	0	NM_001004434
## 4494	NM_001004434_intron_3_0_chr1_26042709_r	0	NM_001004434
## 4495	NM_001004434_intron_2_0_chr1_26043552_r	0	NM_001004434

## 4496	NM_001004434_intron_1_0_chr1_26044445_r	0	NM_001004434
## 4497	NM_001004434_intron_0_0_chr1_26045218_r	0	NM_001004434
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## 4499	NM_032588_intron_6_0_chr1_26053965_r	0	NM_032588
## 4500	NM_032588_intron_5_0_chr1_26057328_r	0	NM_032588
## 4501	NM_032588_intron_4_0_chr1_26057651_r	0	NM_032588
## 4502	NM_032588_intron_2_0_chr1_26060362_r	0	NM_032588
## 4503	NM_032588_intron_1_0_chr1_26061335_r	0	NM_032588
## 4504	NM_032588_intron_0_0_chr1_26066441_r	0	NM_032588
## 4505	NM_004455_intron_0_0_chr1_26023426_f	0	NM_004455
## 4506	NM_004455_intron_1_0_chr1_26029287_f	0	NM_004455
## 4507	NM_004455_intron_2_0_chr1_26029708_f	0	NM_004455
## 4508	NM_004455_intron_3_0_chr1_26030596_f	0	NM_004455
## 4509	NM_004455_intron_4_0_chr1_26031265_f	0	NM_004455
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## 4511	NM_004455_intron_6_0_chr1_26032486_f	0	NM_004455
## 4512	NM_004455_intron_7_0_chr1_26033316_f	0	NM_004455
## 4513	NM_004455_intron_8_0_chr1_26033857_f	0	NM_004455
## 4514	NM_004455_intron_9_0_chr1_26035005_f	0	NM_004455
## 4515	NM_032513_intron_1_0_chr1_26043552_r	0	NM_032513
## 4516	NM_001364669_intron_2_0_chr1_26164456_r	0	NM_001364669
## 4517	NM_001364669_intron_1_0_chr1_26165924_r	0	NM_001364669
## 4518	NM_001364669_intron_0_0_chr1_26166119_r	0	NM_001364669
## 4519	NM_024869_intron_0_0_chr1_26159127_f	0	NM_024869
## 4520	NM_001297648_intron_4_0_chr1_26182403_f	0	NM_001297648
## 4521	NM_001297647_intron_7_0_chr1_26183436_f	0	NM_001297647
## 4522	NM_198137_intron_0_0_chr1_26190841_f	0	NM_198137
## 4523	NM_198137_intron_1_0_chr1_26191431_f	0	NM_198137
## 4524	NM_198137_intron_2_0_chr1_26193889_f	0	NM_198137
## 4525	NM_198137_intron_3_0_chr1_26197784_f	0	NM_198137
## 4526	NM_198137_intron_4_0_chr1_26198078_f	0	NM_198137
## 4527	NM_198137_intron_5_0_chr1_26198420_f	0	NM_198137
## 4528	NM_198137_intron_6_0_chr1_26200059_f	0	NM_198137
## 4529	NM_198137_intron_7_0_chr1_26201042_f	0	NM_198137
## 4530	NM_198137_intron_8_0_chr1_26201520_f	0	NM_198137
## 4531	NM_001281518_intron_0_0_chr1_26269365_f	0	NM_001281518
## 4532	NM_001281517_intron_1_0_chr1_26239839_f	0	NM_001281517
## 4533	NR_110698_intron_0_0_chr1_26225704_f	0	NR_110698
## 4534	NR_110698_intron_1_0_chr1_26227556_f	0	NR_110698
## 4535	NR_125952_intron_2_0_chr1_26462871_r	0	NR_125952
## 4536	NR_125952_intron_1_0_chr1_26463434_r	0	NR_125952
## 4537	NR_125952_intron_0_0_chr1_26466325_r	0	NR_125952
## 4538	NM_001114759_intron_0_0_chr1_26368586_r	0	NM_001114759
## 4539	NM_001243565_intron_3_0_chr1_26442874_f	0	NM_001243565
## 4540	NM_001307925_intron_4_0_chr1_26362176_r	0	NM_001307925
## 4541	NM_001307925_intron_0_0_chr1_26368583_r	0	NM_001307925
## 4542	NM_024674_intron_0_0_chr1_26410923_f	0	NM_024674
## 4543	NM_024674_intron_1_0_chr1_26411583_f	0	NM_024674
## 4544	NM_024674_intron_2_0_chr1_26425488_f	0	NM_024674
## 4545	NM_001374483_intron_0_0_chr1_26787807_f	0	NM_001374483
## 4546	NM_001374484_intron_2_0_chr1_26794207_f	0	NM_001374484
## 4547	NR_164652_intron_2_0_chr1_26794274_f	0	NR_164652
## 4548	NM_001374486_intron_1_0_chr1_26790894_f	0	NM_001374486
## 4549	NM_001374478_intron_0_0_chr1_26787219_f	0	NM_001374478

## 4550	NM_152365_intron_2_0_chr1_26950152_r	0	NM_152365
## 4551	NM_152365_intron_1_0_chr1_26950757_r	0	NM_152365
## 4552	NM_152365_intron_0_0_chr1_26952413_r	0	NM_152365
## 4553	NM_021969_intron_0_0_chr1_26912087_r	0	NM_021969
## 4554	NM_003665_intron_5_0_chr1_27370731_r	0	NM_003665
## 4555	NM_003665_intron_4_0_chr1_27370973_r	0	NM_003665
## 4556	NM_003665_intron_3_0_chr1_27373264_r	0	NM_003665
## 4557	NM_003665_intron_2_0_chr1_27373521_r	0	NM_003665
## 4558	NM_003665_intron_1_0_chr1_27374010_r	0	NM_003665
## 4559	NM_003665_intron_0_0_chr1_27374452_r	0	NM_003665
## 4560	NM_001330448_intron_4_0_chr1_27379510_r	0	NM_001330448
## 4561	NM_001330448_intron_3_0_chr1_27380196_r	0	NM_001330448
## 4562	NM_001330448_intron_2_0_chr1_27381825_r	0	NM_001330448
## 4563	NM_001330448_intron_1_0_chr1_27382400_r	0	NM_001330448
## 4564	NM_001330448_intron_0_0_chr1_27382668_r	0	NM_001330448
## 4565	NM_173452_intron_2_0_chr1_27373264_r	0	NM_173452
## 4566	NM_001371928_intron_0_0_chr1_27603864_r	0	NM_001371928
## 4567	NR_151722_intron_0_0_chr1_27660723_r	0	NR_151722
## 4568	NM_001143912_intron_1_0_chr1_27727537_f	0	NM_001143912
## 4569	NM_001143912_intron_2_0_chr1_27730334_f	0	NM_001143912
## 4570	NM_001143915_intron_2_0_chr1_27732658_f	0	NM_001143915
## 4571	NM_001286115_intron_2_0_chr1_27879964_f	0	NM_001286115
## 4572	NM_001355129_intron_0_0_chr1_27914170_r	0	NM_001355129
## 4573	NM_001286076_intron_1_0_chr1_27907283_r	0	NM_001286076
## 4574	NM_001304579_intron_1_0_chr1_27945446_f	0	NM_001304579
## 4575	NM_001127350_intron_0_0_chr1_28329125_f	0	NM_001127350
## 4576	NM_001381866_intron_2_0_chr1_28508902_f	0	NM_001381866
## 4577	NR_036473_intron_1_0_chr1_28506328_f	0	NR_036473
## 4578	NR_146731_intron_0_0_chr1_28643518_f	0	NR_146731
## 4579	NR_146730_intron_0_0_chr1_28643764_f	0	NR_146730
## 4580	NM_152304_intron_0_0_chr1_28592400_f	0	NM_152304
## 4581	NR_146382_intron_0_0_chr1_28581230_r	0	NR_146382
## 4582	NM_001385188_intron_0_0_chr1_28592745_f	0	NM_001385188
## 4583	NM_001173128_intron_0_0_chr1_28736810_f	0	NM_001173128
## 4584	NM_001003682_intron_0_0_chr1_29121849_r	0	NM_001003682
## 4585	NM_001171868_intron_0_0_chr1_29121849_r	0	NM_001171868
## 4586	NR_110758_intron_1_0_chr1_29331193_r	0	NR_110758
## 4587	NR_110758_intron_0_0_chr1_29333309_r	0	NR_110758
## 4588	NM_005704_intron_0_0_chr1_29236718_f	0	NM_005704
## 4589	NM_005704_intron_4_0_chr1_29259565_f	0	NM_005704
## 4590	NM_005704_intron_5_0_chr1_29260045_f	0	NM_005704
## 4591	NM_005704_intron_13_0_chr1_29284870_f	0	NM_005704
## 4592	NM_005704_intron_14_0_chr1_29289713_f	0	NM_005704
## 4593	NM_133177_intron_17_0_chr1_29305429_f	0	NM_133177
## 4594	NM_133177_intron_18_0_chr1_29307147_f	0	NM_133177
## 4595	NM_133177_intron_27_0_chr1_29323497_f	0	NM_133177
## 4596	NM_002379_intron_6_0_chr1_30713632_r	0	NM_002379
## 4597	NM_002379_intron_4_0_chr1_30715310_r	0	NM_002379
## 4598	NM_002379_intron_1_0_chr1_30718958_r	0	NM_002379
## 4599	NM_002379_intron_0_0_chr1_30721752_r	0	NM_002379
## 4600	NR_146732_intron_0_0_chr1_30824829_f	0	NR_146732
## 4601	NR_146732_intron_1_0_chr1_30826195_f	0	NR_146732
## 4602	NM_001320996_intron_0_0_chr1_31369591_r	0	NM_001320996
## 4603	NM_001199038_intron_0_0_chr1_31409853_f	0	NM_001199038

## 4604	NM_001199038_intron_1_0_chr1_31410436_f	0	NM_001199038
## 4605	NM_001199039_intron_0_0_chr1_31414778_f	0	NM_001199039
## 4606	NM_001199039_intron_1_0_chr1_31415908_f	0	NM_001199039
## 4607	NM_018565_intron_0_0_chr1_31414065_f	0	NM_018565
## 4608	NR_034112_intron_0_0_chr1_31500388_f	0	NR_034112
## 4609	NR_034112_intron_1_0_chr1_31501540_f	0	NR_034112
## 4610	NR_034112_intron_2_0_chr1_31503189_f	0	NR_034112
## 4611	NR_034112_intron_3_0_chr1_31504301_f	0	NR_034112
## 4612	NR_034112_intron_4_0_chr1_31505588_f	0	NR_034112
## 4613	NR_034112_intron_6_0_chr1_31507582_f	0	NR_034112
## 4614	NM_001204414_intron_2_0_chr1_31579268_f	0	NM_001204414
## 4615	NM_001204415_intron_0_0_chr1_31578189_f	0	NM_001204415
## 4616	NM_001856_intron_66_0_chr1_31654859_r	0	NM_001856
## 4617	NM_001856_intron_64_0_chr1_31656445_r	0	NM_001856
## 4618	NM_001856_intron_61_0_chr1_31658965_r	0	NM_001856
## 4619	NM_001856_intron_60_0_chr1_31660639_r	0	NM_001856
## 4620	NM_001856_intron_57_0_chr1_31661705_r	0	NM_001856
## 4621	NM_001856_intron_53_0_chr1_31665619_r	0	NM_001856
## 4622	NM_001856_intron_52_0_chr1_31665936_r	0	NM_001856
## 4623	NM_001856_intron_50_0_chr1_31667629_r	0	NM_001856
## 4624	NM_001856_intron_49_0_chr1_31668219_r	0	NM_001856
## 4625	NM_001856_intron_48_0_chr1_31668856_r	0	NM_001856
## 4626	NM_001856_intron_47_0_chr1_31670647_r	0	NM_001856
## 4627	NM_001856_intron_46_0_chr1_31671660_r	0	NM_001856
## 4628	NM_001856_intron_45_0_chr1_31672503_r	0	NM_001856
## 4629	NM_001856_intron_44_0_chr1_31672638_r	0	NM_001856
## 4630	NM_001856_intron_43_0_chr1_31672841_r	0	NM_001856
## 4631	NM_001856_intron_42_0_chr1_31675040_r	0	NM_001856
## 4632	NM_001856_intron_41_0_chr1_31675312_r	0	NM_001856
## 4633	NM_001856_intron_40_0_chr1_31679686_r	0	NM_001856
## 4634	NM_001856_intron_39_0_chr1_31679852_r	0	NM_001856
## 4635	NM_001856_intron_38_0_chr1_31680102_r	0	NM_001856
## 4636	NM_001856_intron_37_0_chr1_31680932_r	0	NM_001856
## 4637	NM_001856_intron_36_0_chr1_31681068_r	0	NM_001856
## 4638	NM_001856_intron_35_0_chr1_31683003_r	0	NM_001856
## 4639	NM_001856_intron_34_0_chr1_31683248_r	0	NM_001856
## 4640	NM_001856_intron_33_0_chr1_31683370_r	0	NM_001856
## 4641	NM_001856_intron_32_0_chr1_31683749_r	0	NM_001856
## 4642	NM_001856_intron_31_0_chr1_31684004_r	0	NM_001856
## 4643	NM_001856_intron_30_0_chr1_31684232_r	0	NM_001856
## 4644	NM_001856_intron_29_0_chr1_31684631_r	0	NM_001856
## 4645	NM_001856_intron_28_0_chr1_31684857_r	0	NM_001856
## 4646	NM_001856_intron_27_0_chr1_31685771_r	0	NM_001856
## 4647	NM_001856_intron_26_0_chr1_31686136_r	0	NM_001856
## 4648	NM_001856_intron_25_0_chr1_31686280_r	0	NM_001856
## 4649	NM_001856_intron_24_0_chr1_31688503_r	0	NM_001856
## 4650	NM_001856_intron_23_0_chr1_31688972_r	0	NM_001856
## 4651	NM_001856_intron_22_0_chr1_31689086_r	0	NM_001856
## 4652	NM_001856_intron_21_0_chr1_31689852_r	0	NM_001856
## 4653	NM_001856_intron_20_0_chr1_31690394_r	0	NM_001856
## 4654	NM_001856_intron_19_0_chr1_31690574_r	0	NM_001856
## 4655	NM_001856_intron_18_0_chr1_31691227_r	0	NM_001856
## 4656	NM_001856_intron_17_0_chr1_31691513_r	0	NM_001856
## 4657	NM_001856_intron_16_0_chr1_31691643_r	0	NM_001856

## 4658	NM_001856_intron_15_0_chr1_31692068_r	0	NM_001856
## 4659	NM_001856_intron_14_0_chr1_31692510_r	0	NM_001856
## 4660	NM_001856_intron_13_0_chr1_31692643_r	0	NM_001856
## 4661	NM_001856_intron_12_0_chr1_31692809_r	0	NM_001856
## 4662	NM_001856_intron_11_0_chr1_31693155_r	0	NM_001856
## 4663	NM_001856_intron_10_0_chr1_31694171_r	0	NM_001856
## 4664	NM_001856_intron_9_0_chr1_31695222_r	0	NM_001856
## 4665	NM_001856_intron_8_0_chr1_31695788_r	0	NM_001856
## 4666	NM_001856_intron_7_0_chr1_31696142_r	0	NM_001856
## 4667	NM_001856_intron_6_0_chr1_31697089_r	0	NM_001856
## 4668	NM_001856_intron_5_0_chr1_31697301_r	0	NM_001856
## 4669	NM_001856_intron_4_0_chr1_31698173_r	0	NM_001856
## 4670	NM_001856_intron_3_0_chr1_31698607_r	0	NM_001856
## 4671	NM_001856_intron_2_0_chr1_31699931_r	0	NM_001856
## 4672	NM_001856_intron_1_0_chr1_31700116_r	0	NM_001856
## 4673	NM_001856_intron_0_0_chr1_31702228_r	0	NM_001856
## 4674	NM_001359651_intron_0_0_chr1_31635523_r	0	NM_001359651
## 4675	NM_001525_intron_0_0_chr1_31617882_f	0	NM_001525
## 4676	NM_001525_intron_1_0_chr1_31618817_f	0	NM_001525
## 4677	NM_001525_intron_2_0_chr1_31619392_f	0	NM_001525
## 4678	NM_001525_intron_3_0_chr1_31619711_f	0	NM_001525
## 4679	NM_001525_intron_7_0_chr1_31625119_f	0	NM_001525
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## 4681	NM_001294335_intron_29_0_chr1_31728278_r	0	NM_001294335
## 4682	NM_001294335_intron_26_0_chr1_31732155_r	0	NM_001294335
## 4683	NM_001294335_intron_25_0_chr1_31732613_r	0	NM_001294335
## 4684	NM_001294335_intron_24_0_chr1_31733144_r	0	NM_001294335
## 4685	NM_001294335_intron_23_0_chr1_31735282_r	0	NM_001294335
## 4686	NM_001294335_intron_22_0_chr1_31735666_r	0	NM_001294335
## 4687	NM_001294335_intron_21_0_chr1_31735894_r	0	NM_001294335
## 4688	NM_001294335_intron_20_0_chr1_31736391_r	0	NM_001294335
## 4689	NM_001294335_intron_19_0_chr1_31736724_r	0	NM_001294335
## 4690	NM_001294335_intron_17_0_chr1_31737756_r	0	NM_001294335
## 4691	NM_001294335_intron_16_0_chr1_31738327_r	0	NM_001294335
## 4692	NM_001294335_intron_14_0_chr1_31738938_r	0	NM_001294335
## 4693	NM_001294335_intron_13_0_chr1_31739636_r	0	NM_001294335
## 4694	NM_001294335_intron_12_0_chr1_31740035_r	0	NM_001294335
## 4695	NM_001294335_intron_11_0_chr1_31740179_r	0	NM_001294335
## 4696	NM_001294335_intron_10_0_chr1_31740542_r	0	NM_001294335
## 4697	NM_001294335_intron_9_0_chr1_31741480_r	0	NM_001294335
## 4698	NM_001294335_intron_7_0_chr1_31741968_r	0	NM_001294335
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## 4701	NM_001294335_intron_4_0_chr1_31744358_r	0	NM_001294335
## 4702	NM_001294335_intron_3_0_chr1_31744732_r	0	NM_001294335
## 4703	NM_001294335_intron_2_0_chr1_31756816_r	0	NM_001294335
## 4704	NM_001294335_intron_1_0_chr1_31757282_r	0	NM_001294335
## 4705	NM_001294335_intron_0_0_chr1_31757512_r	0	NM_001294335
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## 4708	NM_001281988_intron_4_0_chr1_31799486_r	0	NM_001281988
## 4709	NM_001281988_intron_3_0_chr1_31799864_r	0	NM_001281988
## 4710	NM_001281988_intron_2_0_chr1_31800142_r	0	NM_001281988
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## 4712	NM_001281988_intron_0_0_chr1_31801706_r	0 NM_001281988
## 4713	NM_001364857_intron_29_0_chr1_31728281_r	0 NM_001364857
## 4714	NM_001294336_intron_23_0_chr1_31733144_r	0 NM_001294336
## 4715	NM_001281987_intron_1_0_chr1_31801706_r	0 NM_001281987
## 4716	NM_001281987_intron_0_0_chr1_31815373_r	0 NM_001281987
## 4717	NM_144569_intron_14_0_chr1_31791292_r	0 NM_144569
## 4718	NM_001369860_intron_0_0_chr1_31919659_r	0 NM_001369860
## 4719	NM_001369859_intron_0_0_chr1_31931143_r	0 NM_001369859
## 4720	NM_001319677_intron_0_0_chr1_32072453_f	0 NM_001319677
## 4721	NM_001319678_intron_2_0_chr1_32075823_f	0 NM_001319678
## 4722	NR_026850_intron_2_0_chr1_32235211_r	0 NR_026850
## 4723	NM_001099434_intron_0_0_chr1_32209360_f	0 NM_001099434
## 4724	NM_001099434_intron_1_0_chr1_32211324_f	0 NM_001099434
## 4725	NM_001099434_intron_2_0_chr1_32211838_f	0 NM_001099434
## 4726	NM_001099434_intron_3_0_chr1_32212202_f	0 NM_001099434
## 4727	NM_001099434_intron_4_0_chr1_32212637_f	0 NM_001099434
## 4728	NM_001099434_intron_5_0_chr1_32212794_f	0 NM_001099434
## 4729	NM_001099434_intron_6_0_chr1_32214933_f	0 NM_001099434
## 4730	NM_001099434_intron_7_0_chr1_32215544_f	0 NM_001099434
## 4731	NM_003757_intron_0_0_chr1_32222033_f	0 NM_003757
## 4732	NM_001160042_intron_0_0_chr1_32205964_f	0 NM_001160042
## 4733	NM_052841_intron_0_0_chr1_32362847_f	0 NM_052841
## 4734	NM_001145720_intron_0_0_chr1_32465106_f	0 NM_001145720
## 4735	NM_001145720_intron_1_0_chr1_32471616_f	0 NM_001145720
## 4736	NM_001145720_intron_2_0_chr1_32481070_f	0 NM_001145720
## 4737	NR_111980_intron_1_0_chr1_32553541_f	0 NR_111980
## 4738	NM_001161708_intron_0_0_chr1_32696045_r	0 NM_001161708
## 4739	NM_001135256_intron_0_0_chr1_32651433_f	0 NM_001135256
## 4740	NM_001256121_intron_0_0_chr1_32817600_f	0 NM_001256121
## 4741	NM_002143_intron_0_0_chr1_32886516_f	0 NM_002143
## 4742	NM_002143_intron_1_0_chr1_32889277_f	0 NM_002143
## 4743	NM_002143_intron_2_0_chr1_32893630_f	0 NM_002143
## 4744	NM_001171941_intron_2_0_chr1_32867843_r	0 NM_001171941
## 4745	NM_001171941_intron_1_0_chr1_32868389_r	0 NM_001171941
## 4746	NM_001171941_intron_0_0_chr1_32868994_r	0 NM_001171941
## 4747	NM_001171940_intron_4_0_chr1_32863753_r	0 NM_001171940
## 4748	NM_001171940_intron_0_0_chr1_32868998_r	0 NM_001171940
## 4749	NM_153756_intron_4_0_chr1_32864300_r	0 NM_153756
## 4750	NM_001350402_intron_0_0_chr1_33082355_f	0 NM_001350402
## 4751	NM_001350402_intron_1_0_chr1_33083143_f	0 NM_001350402
## 4752	NM_001350402_intron_3_0_chr1_33092223_f	0 NM_001350402
## 4753	NM_001350398_intron_0_0_chr1_33081295_f	0 NM_001350398
## 4754	NM_001350398_intron_2_0_chr1_33082355_f	0 NM_001350398
## 4755	NM_001301823_intron_0_0_chr1_33081509_f	0 NM_001301823
## 4756	NM_001301825_intron_5_0_chr1_33096870_f	0 NM_001301825
## 4757	NR_146649_intron_0_0_chr1_33081295_f	0 NR_146649
## 4758	NR_146649_intron_7_0_chr1_33096881_f	0 NR_146649
## 4759	NM_052998_intron_1_0_chr1_33081509_f	0 NM_052998
## 4760	NM_052998_intron_2_0_chr1_33081813_f	0 NM_052998
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## 4762	NM_001350401_intron_2_0_chr1_33082355_f	0 NM_001350401
## 4763	NR_146648_intron_9_0_chr1_33101903_f	0 NR_146648
## 4764	NM_001376730_intron_2_0_chr1_33082355_f	0 NM_001376730
## 4765	NM_001080438_intron_3_0_chr1_33307454_r	0 NM_001080438

## 4766	NM_001080438_intron_2_0_chr1_33312190_r	0 NM_001080438
## 4767	NM_001080438_intron_1_0_chr1_33312591_r	0 NM_001080438
## 4768	NM_001080438_intron_0_0_chr1_33312891_r	0 NM_001080438
## 4769	NR_125978_intron_0_0_chr1_33350448_f	0 NR_125978
## 4770	NR_125978_intron_1_0_chr1_33359075_f	0 NR_125978
## 4771	NM_001385120_intron_0_0_chr1_33375594_r	0 NM_001385120
## 4772	NM_001377378_intron_2_0_chr1_33488652_f	0 NM_001377378
## 4773	NM_001377377_intron_5_0_chr1_33491703_f	0 NM_001377377
## 4774	NM_001377379_intron_3_0_chr1_33489192_f	0 NM_001377379
## 4775	NR_038372_intron_0_0_chr1_33869050_f	0 NR_038372
## 4776	NR_038372_intron_1_0_chr1_33869338_f	0 NR_038372
## 4777	NR_038372_intron_2_0_chr1_33871009_f	0 NR_038372
## 4778	NR_038372_intron_3_0_chr1_33875593_f	0 NR_038372
## 4779	NR_038372_intron_4_0_chr1_33878351_f	0 NR_038372
## 4780	NR_038372_intron_5_0_chr1_33882235_f	0 NR_038372
## 4781	NR_038372_intron_6_0_chr1_33884815_f	0 NR_038372
## 4782	NM_145205_intron_0_0_chr1_33860891_f	0 NM_145205
## 4783	NM_001352984_intron_0_0_chr1_33864178_f	0 NM_001352984
## 4784	NM_005268_intron_0_0_chr1_34755196_f	0 NM_005268
## 4785	NM_001320261_intron_0_0_chr1_34855983_r	0 NM_001320261
## 4786	NM_001164824_intron_1_0_chr1_34855983_r	0 NM_001164824
## 4787	NM_001164824_intron_0_0_chr1_34856740_r	0 NM_001164824
## 4788	NM_001005752_intron_0_0_chr1_34782443_f	0 NM_001005752
## 4789	NM_024009_intron_0_0_chr1_34781779_f	0 NM_024009
## 4790	NM_153212_intron_0_0_chr1_34759789_f	0 NM_153212
## 4791	NR_037869_intron_1_0_chr1_34977403_r	0 NR_037869
## 4792	NR_037869_intron_0_0_chr1_34978085_r	0 NR_037869
## 4793	NM_001080418_intron_1_0_chr1_34905435_r	0 NM_001080418
## 4794	NM_001080418_intron_0_0_chr1_34907438_r	0 NM_001080418
## 4795	NM_001289090_intron_0_0_chr1_35079443_f	0 NM_001289090
## 4796	NM_001289089_intron_6_0_chr1_35110448_f	0 NM_001289089
## 4797	NM_001289088_intron_0_0_chr1_35059926_f	0 NM_001289088
## 4798	NM_001289088_intron_1_0_chr1_35079220_f	0 NM_001289088
## 4799	NM_001289091_intron_7_0_chr1_35110448_f	0 NM_001289091
## 4800	NR_046659_intron_0_0_chr1_35359169_r	0 NR_046659
## 4801	NM_001014841_intron_0_0_chr1_35557884_f	0 NM_001014841
## 4802	NM_001199780_intron_0_0_chr1_35631345_r	0 NM_001199780
## 4803	NM_178548_intron_0_0_chr1_35573605_f	0 NM_178548
## 4804	NM_001190481_intron_7_0_chr1_35751507_r	0 NM_001190481
## 4805	NM_001348691_intron_0_0_chr1_35716327_r	0 NM_001348691
## 4806	NR_146062_intron_0_0_chr1_35807724_f	0 NR_146062
## 4807	NM_001270895_intron_0_0_chr1_36140167_r	0 NM_001270895
## 4808	NM_014466_intron_2_0_chr1_36085289_f	0 NM_014466
## 4809	NM_001294347_intron_2_0_chr1_36099488_r	0 NM_001294347
## 4810	NR_073097_intron_0_0_chr1_36137979_r	0 NR_073097
## 4811	NM_018166_intron_0_0_chr1_36323068_r	0 NM_018166
## 4812	NM_003462_intron_1_0_chr1_37557749_f	0 NM_003462
## 4813	NM_003462_intron_2_0_chr1_37559497_f	0 NM_003462
## 4814	NR_073092_intron_4_0_chr1_37501997_r	0 NR_073092
## 4815	NR_073092_intron_3_0_chr1_37505222_r	0 NR_073092
## 4816	NM_001323624_intron_3_0_chr1_37583934_r	0 NM_001323624
## 4817	NM_001350766_intron_1_0_chr1_37689887_r	0 NM_001350766
## 4818	NM_001350766_intron_0_0_chr1_37690439_r	0 NM_001350766
## 4819	NM_001350758_intron_1_0_chr1_37690439_r	0 NM_001350758

## 4820	NM_001350758_intron_0_0_chr1_37691582_r	0	NM_001350758
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## 4822	NR_168386_intron_0_0_chr1_38047615_f	0	NR_168386
## 4823	NR_168386_intron_1_0_chr1_38102497_f	0	NR_168386
## 4824	NR_168386_intron_2_0_chr1_38103662_f	0	NR_168386
## 4825	NR_168386_intron_3_0_chr1_38105753_f	0	NR_168386
## 4826	NR_038928_intron_2_0_chr1_38210823_r	0	NR_038928
## 4827	NR_038928_intron_1_0_chr1_38211823_r	0	NR_038928
## 4828	NR_038928_intron_0_0_chr1_38212452_r	0	NR_038928
## 4829	NR_146761_intron_0_0_chr1_38475825_f	0	NR_146761
## 4830	NR_146761_intron_1_0_chr1_38476256_f	0	NR_146761
## 4831	NR_037633_intron_1_0_chr1_38873091_r	0	NR_037633
## 4832	NR_037633_intron_0_0_chr1_38876194_r	0	NR_037633
## 4833	NR_037634_intron_1_0_chr1_38873910_r	0	NR_037634
## 4834	NR_037635_intron_0_0_chr1_38873091_r	0	NR_037635
## 4835	NR_037636_intron_0_0_chr1_38867611_r	0	NR_037636
## 4836	NR_037637_intron_0_0_chr1_38867000_r	0	NR_037637
## 4837	NR_135048_intron_0_0_chr1_38873580_f	0	NR_135048
## 4838	NM_001271851_intron_0_0_chr1_38856981_r	0	NM_001271851
## 4839	NR_003929_intron_0_0_chr1_39557144_r	0	NR_003929
## 4840	NR_144354_intron_1_0_chr1_39556739_r	0	NR_144354
## 4841	NR_144354_intron_0_0_chr1_39559366_r	0	NR_144354
## 4842	NR_144355_intron_8_0_chr1_39523897_r	0	NR_144355
## 4843	NR_144355_intron_1_0_chr1_39556202_r	0	NR_144355
## 4844	NR_144356_intron_9_0_chr1_39523897_r	0	NR_144356
## 4845	NR_144356_intron_8_0_chr1_39525058_r	0	NR_144356
## 4846	NR_144357_intron_10_0_chr1_39522506_r	0	NR_144357
## 4847	NR_125979_intron_0_0_chr1_39565220_f	0	NR_125979
## 4848	NR_125979_intron_1_0_chr1_39570624_f	0	NR_125979
## 4849	NR_125979_intron_2_0_chr1_39572679_f	0	NR_125979
## 4850	NM_181809_intron_0_0_chr1_39492326_f	0	NM_181809
## 4851	NM_181809_intron_2_0_chr1_39511905_f	0	NM_181809
## 4852	NM_181809_intron_3_0_chr1_39521571_f	0	NM_181809
## 4853	NM_181809_intron_4_0_chr1_39522483_f	0	NM_181809
## 4854	NM_181809_intron_5_0_chr1_39523118_f	0	NM_181809
## 4855	NM_001282397_intron_1_0_chr1_39682734_r	0	NM_001282397
## 4856	NM_001282397_intron_0_0_chr1_39684612_r	0	NM_001282397
## 4857	NM_001282396_intron_1_0_chr1_39684612_r	0	NM_001282396
## 4858	NM_001282396_intron_0_0_chr1_39691171_r	0	NM_001282396
## 4859	NM_032526_intron_4_0_chr1_39659487_r	0	NM_032526
## 4860	NM_032526_intron_3_0_chr1_39661264_r	0	NM_032526
## 4861	NM_032526_intron_2_0_chr1_39663435_r	0	NM_032526
## 4862	NM_032526_intron_1_0_chr1_39665651_r	0	NM_032526
## 4863	NM_032526_intron_0_0_chr1_39666237_r	0	NM_032526
## 4864	NM_001287808_intron_0_0_chr1_39955386_f	0	NM_001287808
## 4865	NM_001349823_intron_0_0_chr1_39955386_f	0	NM_001349823
## 4866	NM_001136493_intron_1_0_chr1_39957222_f	0	NM_001136493
## 4867	NM_001287809_intron_0_0_chr1_39955386_f	0	NM_001287809
## 4868	NM_001287809_intron_5_0_chr1_39966015_f	0	NM_001287809
## 4869	NR_109896_intron_8_0_chr1_39967170_f	0	NR_109896
## 4870	NM_001142604_intron_0_0_chr1_40089513_r	0	NM_001142604
## 4871	NM_001852_intron_0_0_chr1_40315665_r	0	NM_001852
## 4872	NM_001008740_intron_0_0_chr1_40248231_f	0	NM_001008740
## 4873	NM_001198979_intron_0_0_chr1_40393505_f	0	NM_001198979

## 4874	NM_001198980_intron_0_0_chr1_40396891_f	0 NM_001198980
## 4875	NM_001346950_intron_0_0_chr1_40508890_f	0 NM_001346950
## 4876	NM_001346956_intron_0_0_chr1_40508890_f	0 NM_001346956
## 4877	NM_001346955_intron_1_0_chr1_40509626_f	0 NM_001346955
## 4878	NM_022774_intron_0_0_chr1_40508878_f	0 NM_022774
## 4879	NM_001346946_intron_0_0_chr1_40509108_f	0 NM_001346946
## 4880	NM_001346947_intron_0_0_chr1_40508909_f	0 NM_001346947
## 4881	NM_004700_intron_0_0_chr1_40784408_f	0 NM_004700
## 4882	NM_004700_intron_8_0_chr1_40824259_f	0 NM_004700
## 4883	NM_172163_intron_7_0_chr1_40822403_f	0 NM_172163
## 4884	NM_001377532_intron_0_0_chr1_41018157_r	0 NM_001377532
## 4885	NM_001168247_intron_1_0_chr1_41020779_r	0 NM_001168247
## 4886	NM_001168247_intron_0_0_chr1_41020934_r	0 NM_001168247
## 4887	NM_144990_intron_0_0_chr1_41020787_r	0 NM_144990
## 4888	NM_001300859_intron_2_0_chr1_41017980_r	0 NM_001300859
## 4889	NM_001300859_intron_0_0_chr1_41020934_r	0 NM_001300859
## 4890	NR_135817_intron_0_0_chr1_41375253_r	0 NR_135817
## 4891	NM_001956_intron_3_0_chr1_41479503_r	0 NM_001956
## 4892	NM_001956_intron_2_0_chr1_41481194_r	0 NM_001956
## 4893	NM_001956_intron_1_0_chr1_41482589_r	0 NM_001956
## 4894	NM_001956_intron_0_0_chr1_41484204_r	0 NM_001956
## 4895	NM_001302269_intron_2_0_chr1_41479503_r	0 NM_001302269
## 4896	NR_126098_intron_0_0_chr1_41484113_r	0 NR_126098
## 4897	NM_033553_intron_1_0_chr1_42162971_r	0 NM_033553
## 4898	NM_033553_intron_0_0_chr1_42163611_r	0 NM_033553
## 4899	NM_007102_intron_0_0_chr1_42153541_f	0 NM_007102
## 4900	NM_007102_intron_1_0_chr1_42154867_f	0 NM_007102
## 4901	NM_001146192_intron_5_0_chr1_42430859_r	0 NM_001146192
## 4902	NM_001146192_intron_1_0_chr1_42440026_r	0 NM_001146192
## 4903	NM_173642_intron_0_0_chr1_42381098_f	0 NM_173642
## 4904	NM_173642_intron_1_0_chr1_42399635_f	0 NM_173642
## 4905	NR_133055_intron_1_0_chr1_42776825_r	0 NR_133055
## 4906	NR_133055_intron_0_0_chr1_42784123_r	0 NR_133055
## 4907	NM_001354602_intron_0_0_chr1_42785083_f	0 NM_001354602
## 4908	NM_001354602_intron_1_0_chr1_42789935_f	0 NM_001354602
## 4909	NM_001354602_intron_2_0_chr1_42792903_f	0 NM_001354602
## 4910	NM_001354602_intron_3_0_chr1_42793745_f	0 NM_001354602
## 4911	NM_001354602_intron_4_0_chr1_42794614_f	0 NM_001354602
## 4912	NM_001185117_intron_1_0_chr1_42736031_r	0 NM_001185117
## 4913	NM_001185117_intron_0_0_chr1_42738586_r	0 NM_001185117
## 4914	NM_148960_intron_3_0_chr1_42735135_r	0 NM_148960
## 4915	NR_033967_intron_0_0_chr1_42959578_f	0 NR_033967
## 4916	NR_033967_intron_1_0_chr1_42970395_f	0 NR_033967
## 4917	NM_001101376_intron_0_0_chr1_43148085_f	0 NM_001101376
## 4918	NM_001101376_intron_1_0_chr1_43150821_f	0 NM_001101376
## 4919	NM_001101376_intron_2_0_chr1_43152932_f	0 NM_001101376
## 4920	NM_001164829_intron_1_0_chr1_43283108_r	0 NM_001164829
## 4921	NM_001164829_intron_0_0_chr1_43283369_r	0 NM_001164829
## 4922	NM_001253357_intron_0_0_chr1_43301130_f	0 NM_001253357
## 4923	NM_001320244_intron_0_0_chr1_43270086_f	0 NM_001320244
## 4924	NM_182517_intron_0_0_chr1_43283369_r	0 NM_182517
## 4925	NM_144626_intron_0_0_chr1_43270086_f	0 NM_144626
## 4926	NR_046744_intron_0_0_chr1_43447933_r	0 NR_046744
## 4927	NM_015284_intron_20_0_chr1_43426152_f	0 NM_015284

## 4928	NM_001329138_intron_0_0_chr1_43526146_f	0	NM_001329138
## 4929	NM_001329138_intron_1_0_chr1_43528757_f	0	NM_001329138
## 4930	NM_001329138_intron_6_0_chr1_43569779_f	0	NM_001329138
## 4931	NM_001329138_intron_7_0_chr1_43575928_f	0	NM_001329138
## 4932	NM_001329138_intron_8_0_chr1_43578921_f	0	NM_001329138
## 4933	NM_001329138_intron_9_0_chr1_43583094_f	0	NM_001329138
## 4934	NM_001329138_intron_13_0_chr1_43592602_f	0	NM_001329138
## 4935	NM_001329138_intron_14_0_chr1_43598914_f	0	NM_001329138
## 4936	NM_001329138_intron_15_0_chr1_43602098_f	0	NM_001329138
## 4937	NM_001329138_intron_16_0_chr1_43603534_f	0	NM_001329138
## 4938	NM_001329138_intron_21_0_chr1_43606969_f	0	NM_001329138
## 4939	NM_001329138_intron_22_0_chr1_43608336_f	0	NM_001329138
## 4940	NM_001329138_intron_23_0_chr1_43609499_f	0	NM_001329138
## 4941	NM_001329138_intron_24_0_chr1_43612801_f	0	NM_001329138
## 4942	NR_033827_intron_3_0_chr1_43700753_r	0	NR_033827
## 4943	NR_125986_intron_2_0_chr1_43709536_r	0	NR_125986
## 4944	NR_125986_intron_1_0_chr1_43719127_r	0	NR_125986
## 4945	NR_125986_intron_0_0_chr1_43720552_r	0	NR_125986
## 4946	NM_001328626_intron_1_0_chr1_44008624_r	0	NM_001328626
## 4947	NM_006934_intron_0_0_chr1_44010883_r	0	NM_006934
## 4948	NM_001319169_intron_1_0_chr1_43970709_f	0	NM_001319169
## 4949	NR_146064_intron_0_0_chr1_43992005_f	0	NR_146064
## 4950	NM_001319165_intron_0_0_chr1_43970313_f	0	NM_001319165
## 4951	NM_001319170_intron_1_0_chr1_43970709_f	0	NM_001319170
## 4952	NM_001328628_intron_0_0_chr1_44008624_r	0	NM_001328628
## 4953	NM_001328627_intron_0_0_chr1_44010097_r	0	NM_001328627
## 4954	NM_001261380_intron_1_0_chr1_44010097_r	0	NM_001261380
## 4955	NM_201649_intron_1_0_chr1_44010883_r	0	NM_201649
## 4956	NM_201649_intron_0_0_chr1_44011723_r	0	NM_201649
## 4957	NM_001328630_intron_9_0_chr1_43997740_r	0	NM_001328630
## 4958	NM_001328629_intron_0_0_chr1_44024363_r	0	NM_001328629
## 4959	NM_001349129_intron_0_0_chr1_43992005_f	0	NM_001349129
## 4960	NM_001349128_intron_1_0_chr1_43992427_f	0	NM_001349128
## 4961	NM_001039589_intron_2_0_chr1_43971190_f	0	NM_001039589
## 4962	NM_030587_intron_0_0_chr1_43980047_f	0	NM_030587
## 4963	NR_048548_intron_8_0_chr1_44001052_r	0	NR_048548
## 4964	NM_001358438_intron_0_0_chr1_44138012_r	0	NM_001358438
## 4965	NM_173484_intron_0_0_chr1_44118989_f	0	NM_173484
## 4966	NM_173484_intron_1_0_chr1_44130197_f	0	NM_173484
## 4967	NM_173484_intron_2_0_chr1_44130757_f	0	NM_173484
## 4968	NR_110056_intron_2_0_chr1_44222650_r	0	NR_110056
## 4969	NR_110056_intron_1_0_chr1_44226004_r	0	NR_110056
## 4970	NR_110056_intron_0_0_chr1_44242081_r	0	NR_110056
## 4971	NR_046817_intron_0_0_chr1_44243998_r	0	NR_046817
## 4972	NM_001377535_intron_1_0_chr1_44806680_r	0	NM_001377535
## 4973	NM_001377535_intron_0_0_chr1_44806839_r	0	NM_001377535
## 4974	NM_001377534_intron_0_0_chr1_44806839_r	0	NM_001377534
## 4975	NM_001013632_intron_0_0_chr1_44806676_r	0	NM_001013632
## 4976	NM_001297657_intron_0_0_chr1_44746447_f	0	NM_001297657
## 4977	NM_153274_intron_5_0_chr1_44784986_r	0	NM_153274
## 4978	NM_153274_intron_4_0_chr1_44785306_r	0	NM_153274
## 4979	NM_153274_intron_3_0_chr1_44785677_r	0	NM_153274
## 4980	NM_153274_intron_1_0_chr1_44786697_r	0	NM_153274
## 4981	NM_153274_intron_0_0_chr1_44787467_r	0	NM_153274

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## 4984	NM_002574_intron_0_0_chr1_45519055_r	0	NM_002574
## 4985	NM_001358407_intron_2_0_chr1_45495546_r	0	NM_001358407
## 4986	NR_152414_intron_2_0_chr1_45496624_r	0	NR_152414
## 4987	NR_152413_intron_0_0_chr1_45499667_r	0	NR_152413
## 4988	NR_152412_intron_1_0_chr1_45495546_r	0	NR_152412
## 4989	NR_152411_intron_0_0_chr1_45499441_r	0	NR_152411
## 4990	NM_001190182_intron_7_0_chr1_45621736_r	0	NM_001190182
## 4991	NM_001190182_intron_6_0_chr1_45621996_r	0	NM_001190182
## 4992	NM_001190182_intron_2_0_chr1_45623118_r	0	NM_001190182
## 4993	NM_001190182_intron_1_0_chr1_45623413_r	0	NM_001190182
## 4994	NM_001190182_intron_0_0_chr1_45623653_r	0	NM_001190182
## 4995	NM_001114938_intron_1_0_chr1_45623440_r	0	NM_001114938
## 4996	NM_001328654_intron_0_0_chr1_46067092_r	0	NM_001328654
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## 4998	NM_001328652_intron_7_0_chr1_46043872_r	0	NM_001328652
## 4999	NM_001328651_intron_0_0_chr1_46080751_r	0	NM_001328651
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## 5003	NM_001303428_intron_0_0_chr1_46131957_r	0	NM_001303428
## 5004	NM_001328655_intron_0_0_chr1_46175630_r	0	NM_001328655
## 5005	NM_001243766_intron_20_0_chr1_46189358_r	0	NM_001243766
## 5006	NM_001243766_intron_0_0_chr1_46197872_r	0	NM_001243766
## 5007	NM_001290129_intron_0_0_chr1_46197085_r	0	NM_001290129
## 5008	NM_001290130_intron_0_0_chr1_46197081_r	0	NM_001290130
## 5009	NM_005727_intron_0_0_chr1_46175410_f	0	NM_005727
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## 5011	NM_005727_intron_2_0_chr1_46181165_f	0	NM_005727
## 5012	NM_005727_intron_3_0_chr1_46184398_f	0	NM_005727
## 5013	NM_005727_intron_4_0_chr1_46184669_f	0	NM_005727
## 5014	NM_005727_intron_5_0_chr1_46184884_f	0	NM_005727
## 5015	NM_005727_intron_6_0_chr1_46185116_f	0	NM_005727
## 5016	NM_005727_intron_7_0_chr1_46185309_f	0	NM_005727
## 5017	NM_001256127_intron_0_0_chr1_46341866_f	0	NM_001256127
## 5018	NR_121680_intron_1_0_chr1_46447146_r	0	NR_121680
## 5019	NR_121680_intron_0_0_chr1_46447890_r	0	NR_121680
## 5020	NR_045483_intron_3_0_chr1_46436249_f	0	NR_045483
## 5021	NR_045483_intron_4_0_chr1_46439578_f	0	NR_045483
## 5022	NM_147192_intron_0_0_chr1_46507165_f	0	NM_147192
## 5023	NM_147192_intron_1_0_chr1_46510655_f	0	NM_147192
## 5024	NM_147192_intron_2_0_chr1_46511284_f	0	NM_147192
## 5025	NM_172225_intron_0_0_chr1_46489878_f	0	NM_172225
## 5026	NM_172225_intron_1_0_chr1_46490784_f	0	NM_172225
## 5027	NM_172225_intron_2_0_chr1_46507165_f	0	NM_172225
## 5028	NR_038403_intron_0_0_chr1_46538795_f	0	NR_038403
## 5029	NR_038403_intron_1_0_chr1_46541010_f	0	NR_038403
## 5030	NR_038403_intron_2_0_chr1_46543769_f	0	NR_038403
## 5031	NR_038403_intron_3_0_chr1_46558343_f	0	NR_038403
## 5032	NR_038403_intron_4_0_chr1_46559812_f	0	NR_038403
## 5033	NR_038403_intron_5_0_chr1_46563577_f	0	NR_038403
## 5034	NR_038403_intron_6_0_chr1_46568298_f	0	NR_038403
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## 5037	NM_001322255_intron_0_0_chr1_46550003_r	0 NM_001322255
## 5038	NM_001357063_intron_1_0_chr1_46533651_r	0 NM_001357063
## 5039	NM_001357063_intron_0_0_chr1_46534042_r	0 NM_001357063
## 5040	NM_145279_intron_0_0_chr1_46613372_r	0 NM_145279
## 5041	NM_001097611_intron_0_0_chr1_46549268_r	0 NM_001097611
## 5042	NR_038827_intron_0_0_chr1_46674220_f	0 NR_038827
## 5043	NR_038827_intron_1_0_chr1_46682265_f	0 NR_038827
## 5044	NR_038827_intron_2_0_chr1_46686764_f	0 NR_038827
## 5045	NR_038828_intron_0_0_chr1_46674220_f	0 NR_038828
## 5046	NM_001145474_intron_0_0_chr1_46671972_f	0 NM_001145474
## 5047	NM_001300863_intron_0_0_chr1_46671972_f	0 NM_001300863
## 5048	NM_001300864_intron_0_0_chr1_46671972_f	0 NM_001300864
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## 5050	NR_002788_intron_9_0_chr1_46844615_r	0 NR_002788
## 5051	NR_002788_intron_8_0_chr1_46845729_r	0 NR_002788
## 5052	NR_002788_intron_7_0_chr1_46859788_r	0 NR_002788
## 5053	NR_002788_intron_6_0_chr1_46868138_r	0 NR_002788
## 5054	NR_002788_intron_5_0_chr1_46873348_r	0 NR_002788
## 5055	NR_002788_intron_4_0_chr1_46883093_r	0 NR_002788
## 5056	NR_002788_intron_3_0_chr1_46883297_r	0 NR_002788
## 5057	NR_002788_intron_2_0_chr1_46885584_r	0 NR_002788
## 5058	NR_002788_intron_1_0_chr1_46887296_r	0 NR_002788
## 5059	NR_002788_intron_0_0_chr1_46898985_r	0 NR_002788
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## 5061	NM_001099772_intron_1_0_chr1_46810950_f	0 NM_001099772
## 5062	NM_001099772_intron_2_0_chr1_46811185_f	0 NM_001099772
## 5063	NM_001099772_intron_3_0_chr1_46812624_f	0 NM_001099772
## 5064	NM_001099772_intron_4_0_chr1_46813607_f	0 NM_001099772
## 5065	NM_001099772_intron_5_0_chr1_46814064_f	0 NM_001099772
## 5066	NM_001099772_intron_6_0_chr1_46814316_f	0 NM_001099772
## 5067	NM_001099772_intron_7_0_chr1_46815265_f	0 NM_001099772
## 5068	NM_001099772_intron_8_0_chr1_46817182_f	0 NM_001099772
## 5069	NM_001099772_intron_9_0_chr1_46818030_f	0 NM_001099772
## 5070	NM_001099772_intron_10_0_chr1_46818214_f	0 NM_001099772
## 5071	NM_000779_intron_4_0_chr1_46813607_f	0 NM_000779
## 5072	NM_001319163_intron_0_0_chr1_46799262_f	0 NM_001319163
## 5073	NM_001319161_intron_1_0_chr1_46810950_f	0 NM_001319161
## 5074	NR_135003_intron_4_0_chr1_46813607_f	0 NR_135003
## 5075	NM_001320290_intron_0_0_chr1_47004370_f	0 NM_001320290
## 5076	NM_001320290_intron_1_0_chr1_47030132_f	0 NM_001320290
## 5077	NM_001320290_intron_2_0_chr1_47031481_f	0 NM_001320290
## 5078	NM_001320290_intron_3_0_chr1_47033369_f	0 NM_001320290
## 5079	NM_001320290_intron_4_0_chr1_47035934_f	0 NM_001320290
## 5080	NM_001320290_intron_5_0_chr1_47036172_f	0 NM_001320290
## 5081	NM_001320290_intron_6_0_chr1_47038767_f	0 NM_001320290
## 5082	NM_001320290_intron_7_0_chr1_47039533_f	0 NM_001320290
## 5083	NM_001320290_intron_8_0_chr1_47046601_f	0 NM_001320290
## 5084	NM_001320290_intron_9_0_chr1_47048630_f	0 NM_001320290
## 5085	NM_001320290_intron_10_0_chr1_47049505_f	0 NM_001320290
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## 5087	NR_134988_intron_7_0_chr1_46932838_r	0 NR_134988
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## 5089	NR_134988_intron_5_0_chr1_46934080_r	0 NR_134988

## 5090	NR_134988_intron_4_0_chr1_46934560_r	0	NR_134988
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## 5092	NR_134988_intron_2_0_chr1_46936792_r	0	NR_134988
## 5093	NR_134988_intron_1_0_chr1_46937347_r	0	NR_134988
## 5094	NR_134988_intron_0_0_chr1_46938138_r	0	NR_134988
## 5095	NR_134992_intron_5_0_chr1_46932838_r	0	NR_134992
## 5096	NR_134991_intron_6_0_chr1_46934080_r	0	NR_134991
## 5097	NR_134991_intron_5_0_chr1_46934367_r	0	NR_134991
## 5098	NR_134991_intron_1_0_chr1_46937347_r	0	NR_134991
## 5099	NR_134994_intron_6_0_chr1_46934132_r	0	NR_134994
## 5100	NR_134994_intron_5_0_chr1_46934560_r	0	NR_134994
## 5101	NR_134994_intron_4_0_chr1_46935155_r	0	NR_134994
## 5102	NM_001319155_intron_4_0_chr1_46935059_r	0	NM_001319155
## 5103	NM_001320289_intron_0_0_chr1_46961757_f	0	NM_001320289
## 5104	NR_134990_intron_8_0_chr1_46932838_r	0	NR_134990
## 5105	NM_178033_intron_0_0_chr1_47023995_f	0	NM_178033
## 5106	NM_001010969_intron_0_0_chr1_47137681_f	0	NM_001010969
## 5107	NM_001010969_intron_1_0_chr1_47140922_f	0	NM_001010969
## 5108	NM_001010969_intron_2_0_chr1_47141616_f	0	NM_001010969
## 5109	NM_001010969_intron_3_0_chr1_47142236_f	0	NM_001010969
## 5110	NM_001010969_intron_4_0_chr1_47143394_f	0	NM_001010969
## 5111	NM_001010969_intron_5_0_chr1_47143917_f	0	NM_001010969
## 5112	NM_001010969_intron_6_0_chr1_47144464_f	0	NM_001010969
## 5113	NM_001010969_intron_7_0_chr1_47144741_f	0	NM_001010969
## 5114	NM_001010969_intron_8_0_chr1_47144971_f	0	NM_001010969
## 5115	NM_001010969_intron_9_0_chr1_47145931_f	0	NM_001010969
## 5116	NM_001010969_intron_10_0_chr1_47146154_f	0	NM_001010969
## 5117	NM_178134_intron_0_0_chr1_47067668_f	0	NM_178134
## 5118	NM_178134_intron_1_0_chr1_47068764_f	0	NM_178134
## 5119	NM_178134_intron_2_0_chr1_47080668_f	0	NM_178134
## 5120	NM_178134_intron_3_0_chr1_47082462_f	0	NM_178134
## 5121	NM_178134_intron_4_0_chr1_47084745_f	0	NM_178134
## 5122	NM_178134_intron_5_0_chr1_47084979_f	0	NM_178134
## 5123	NM_178134_intron_6_0_chr1_47094670_f	0	NM_178134
## 5124	NM_178134_intron_7_0_chr1_47099285_f	0	NM_178134
## 5125	NM_178134_intron_8_0_chr1_47106262_f	0	NM_178134
## 5126	NM_178134_intron_9_0_chr1_47115594_f	0	NM_178134
## 5127	NM_178134_intron_10_0_chr1_47116733_f	0	NM_178134
## 5128	NM_001308102_intron_4_0_chr1_47143394_f	0	NM_001308102
## 5129	NM_001308102_intron_5_0_chr1_47144464_f	0	NM_001308102
## 5130	NM_001377417_intron_0_0_chr1_47314564_r	0	NM_001377417
## 5131	NM_001290405_intron_0_0_chr1_47229352_r	0	NM_001290405
## 5132	NM_001290404_intron_1_0_chr1_47229352_r	0	NM_001290404
## 5133	NM_001290404_intron_0_0_chr1_47231042_r	0	NM_001290404
## 5134	NM_001282939_intron_0_0_chr1_47313022_r	0	NM_001282939
## 5135	NM_001282938_intron_0_0_chr1_47313157_r	0	NM_001282938
## 5136	NM_001287347_intron_0_0_chr1_47229352_r	0	NM_001287347
## 5137	NM_003189_intron_0_0_chr1_47229772_r	0	NM_003189
## 5138	NR_126355_intron_3_0_chr1_47381144_r	0	NR_126355
## 5139	NR_126355_intron_2_0_chr1_47386357_r	0	NR_126355
## 5140	NR_126355_intron_1_0_chr1_47408476_r	0	NR_126355
## 5141	NR_126355_intron_0_0_chr1_47409902_r	0	NR_126355
## 5142	NR_125988_intron_0_0_chr1_49257478_f	0	NR_125988
## 5143	NR_125988_intron_1_0_chr1_49266247_f	0	NR_125988

## 5144	NR_125988_intron_2_0_chr1_49268260_f	0	NR_125988
## 5145	NM_001324217_intron_2_0_chr1_50177193_f	0	NM_001324217
## 5146	NM_032110_intron_1_0_chr1_50419735_r	0	NM_032110
## 5147	NM_032110_intron_0_0_chr1_50421545_r	0	NM_032110
## 5148	NR_147076_intron_0_0_chr1_51197329_r	0	NR_147076
## 5149	NM_001080494_intron_5_0_chr1_51306077_r	0	NM_001080494
## 5150	NM_001080494_intron_4_0_chr1_51309326_r	0	NM_001080494
## 5151	NM_001080494_intron_2_0_chr1_51312196_r	0	NM_001080494
## 5152	NM_001080494_intron_1_0_chr1_51312944_r	0	NM_001080494
## 5153	NM_001080494_intron_0_0_chr1_51321826_r	0	NM_001080494
## 5154	NM_001297662_intron_4_0_chr1_51309431_r	0	NM_001297662
## 5155	NM_001297662_intron_0_0_chr1_51321826_r	0	NM_001297662
## 5156	NM_001297667_intron_0_0_chr1_51294512_r	0	NM_001297667
## 5157	NM_001297664_intron_0_0_chr1_51321826_r	0	NM_001297664
## 5158	NM_001297666_intron_0_0_chr1_51296171_r	0	NM_001297666
## 5159	NR_123731_intron_0_0_chr1_51329810_f	0	NR_123731
## 5160	NR_123731_intron_1_0_chr1_51330214_f	0	NR_123731
## 5161	NM_001144832_intron_0_0_chr1_51321826_r	0	NM_001144832
## 5162	NR_161259_intron_7_0_chr1_51562034_r	0	NR_161259
## 5163	NR_161259_intron_6_0_chr1_51563739_r	0	NR_161259
## 5164	NR_161259_intron_5_0_chr1_51566542_r	0	NR_161259
## 5165	NR_161259_intron_4_0_chr1_51567333_r	0	NR_161259
## 5166	NR_161259_intron_3_0_chr1_51567844_r	0	NR_161259
## 5167	NR_161259_intron_2_0_chr1_51569751_r	0	NR_161259
## 5168	NR_161259_intron_1_0_chr1_51574056_r	0	NR_161259
## 5169	NR_161259_intron_0_0_chr1_51582921_r	0	NR_161259
## 5170	NM_002867_intron_3_0_chr1_51920115_r	0	NM_002867
## 5171	NM_002867_intron_2_0_chr1_51933443_r	0	NM_002867
## 5172	NM_002867_intron_1_0_chr1_51937413_r	0	NM_002867
## 5173	NM_002867_intron_0_0_chr1_51977118_r	0	NM_002867
## 5174	NR_126385_intron_0_0_chr1_52050966_f	0	NR_126385
## 5175	NR_126385_intron_1_0_chr1_52051850_f	0	NR_126385
## 5176	NM_001190819_intron_7_0_chr1_52385950_r	0	NM_001190819
## 5177	NR_135157_intron_1_0_chr1_52643003_f	0	NR_135157
## 5178	NR_135157_intron_2_0_chr1_52659581_f	0	NR_135157
## 5179	NM_001004339_intron_5_0_chr1_52866568_f	0	NM_001004339
## 5180	NM_001307931_intron_1_0_chr1_52854631_f	0	NM_001307931
## 5181	NM_001198962_intron_5_0_chr1_52897485_r	0	NM_001198962
## 5182	NM_001319958_intron_0_0_chr1_52914096_r	0	NM_001319958
## 5183	NM_001287597_intron_8_0_chr1_53088247_r	0	NM_001287597
## 5184	NM_001287597_intron_7_0_chr1_53088980_r	0	NM_001287597
## 5185	NM_001287597_intron_6_0_chr1_53089935_r	0	NM_001287597
## 5186	NM_001287597_intron_5_0_chr1_53090807_r	0	NM_001287597
## 5187	NM_001287597_intron_4_0_chr1_53092788_r	0	NM_001287597
## 5188	NM_001287597_intron_3_0_chr1_53093561_r	0	NM_001287597
## 5189	NM_001287597_intron_2_0_chr1_53103569_r	0	NM_001287597
## 5190	NM_001287597_intron_1_0_chr1_53105775_r	0	NM_001287597
## 5191	NM_001287597_intron_0_0_chr1_53134430_r	0	NM_001287597
## 5192	NM_001287596_intron_2_0_chr1_53108635_r	0	NM_001287596
## 5193	NM_001287596_intron_1_0_chr1_53114974_r	0	NM_001287596
## 5194	NM_006671_intron_2_0_chr1_53105775_r	0	NM_006671
## 5195	NR_109858_intron_6_0_chr1_53090779_r	0	NR_109858
## 5196	NM_001287595_intron_6_0_chr1_53090984_r	0	NM_001287595
## 5197	NR_038953_intron_0_0_chr1_53239346_f	0	NR_038953

## 5198	NM_033300_intron_3_0_chr1_53271347_r	0	NM_033300
## 5199	NR_002314_intron_0_0_chr1_53439049_r	0	NR_002314
## 5200	NM_033067_intron_0_0_chr1_53460031_f	0	NM_033067
## 5201	NM_033067_intron_1_0_chr1_53461646_f	0	NM_033067
## 5202	NM_033067_intron_2_0_chr1_53464848_f	0	NM_033067
## 5203	NM_001168551_intron_2_0_chr1_53828054_r	0	NM_001168551
## 5204	NM_213593_intron_0_0_chr1_53894356_f	0	NM_213593
## 5205	NM_213593_intron_1_0_chr1_53904810_f	0	NM_213593
## 5206	NM_213593_intron_2_0_chr1_53906295_f	0	NM_213593
## 5207	NM_001324316_intron_0_0_chr1_53894548_f	0	NM_001324316
## 5208	NR_167989_intron_0_0_chr1_53940098_r	0	NR_167989
## 5209	NR_167990_intron_1_0_chr1_53930117_r	0	NR_167990
## 5210	NM_001382253_intron_2_0_chr1_53923948_r	0	NM_001382253
## 5211	NM_001382251_intron_0_0_chr1_53930146_r	0	NM_001382251
## 5212	NM_000792_intron_0_0_chr1_53894548_f	0	NM_000792
## 5213	NM_001039715_intron_0_0_chr1_53894548_f	0	NM_001039715
## 5214	NR_167995_intron_1_0_chr1_53930138_r	0	NR_167995
## 5215	NM_001039716_intron_1_0_chr1_53904810_f	0	NM_001039716
## 5216	NR_136693_intron_0_0_chr1_53894356_f	0	NR_136693
## 5217	NR_136692_intron_0_0_chr1_53894439_f	0	NR_136692
## 5218	NM_001276395_intron_3_0_chr1_54009131_r	0	NM_001276395
## 5219	NM_001276395_intron_2_0_chr1_54010411_r	0	NM_001276395
## 5220	NM_001276395_intron_1_0_chr1_54012250_r	0	NM_001276395
## 5221	NM_001276395_intron_0_0_chr1_54017428_r	0	NM_001276395
## 5222	NM_001010978_intron_2_0_chr1_54012281_r	0	NM_001010978
## 5223	NM_001010978_intron_1_0_chr1_54014365_r	0	NM_001010978
## 5224	NR_130900_intron_1_0_chr1_54054525_f	0	NR_130900
## 5225	NR_130900_intron_3_0_chr1_54096845_f	0	NR_130900
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## 5227	NM_001276393_intron_1_0_chr1_54012281_r	0	NM_001276393
## 5228	NM_001276392_intron_0_0_chr1_54012281_r	0	NM_001276392
## 5229	NM_001353353_intron_2_0_chr1_54184266_r	0	NM_001353353
## 5230	NM_176782_intron_6_0_chr1_54609942_r	0	NM_176782
## 5231	NM_176782_intron_5_0_chr1_54610556_r	0	NM_176782
## 5232	NM_176782_intron_4_0_chr1_54611746_r	0	NM_176782
## 5233	NM_176782_intron_3_0_chr1_54612711_r	0	NM_176782
## 5234	NM_176782_intron_2_0_chr1_54614860_r	0	NM_176782
## 5235	NM_176782_intron_1_0_chr1_54616173_r	0	NM_176782
## 5236	NM_176782_intron_0_0_chr1_54620008_r	0	NM_176782
## 5237	NM_152607_intron_0_0_chr1_54806221_f	0	NM_152607
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## 5239	NM_152607_intron_2_0_chr1_54807691_f	0	NM_152607
## 5240	NM_152607_intron_3_0_chr1_54808012_f	0	NM_152607
## 5241	NM_152607_intron_4_0_chr1_54811932_f	0	NM_152607
## 5242	NM_152607_intron_5_0_chr1_54812190_f	0	NM_152607
## 5243	NM_152607_intron_6_0_chr1_54813976_f	0	NM_152607
## 5244	NM_152607_intron_7_0_chr1_54815040_f	0	NM_152607
## 5245	NM_152607_intron_8_0_chr1_54817123_f	0	NM_152607
## 5246	NM_152607_intron_9_0_chr1_54841703_f	0	NM_152607
## 5247	NM_001110533_intron_8_0_chr1_54817123_f	0	NM_001110533
## 5248	NM_182532_intron_0_0_chr1_54981081_f	0	NM_182532
## 5249	NM_182532_intron_1_0_chr1_54986447_f	0	NM_182532
## 5250	NM_057176_intron_0_0_chr1_54999364_f	0	NM_057176
## 5251	NM_057176_intron_1_0_chr1_55005117_f	0	NM_057176

## 5252	NM_057176_intron_2_0_chr1_55007273_f	0	NM_057176
## 5253	NR_146283_intron_0_0_chr1_55217933_f	0	NR_146283
## 5254	NR_147162_intron_1_0_chr1_55916145_r	0	NR_147162
## 5255	NR_147162_intron_0_0_chr1_55921412_r	0	NR_147162
## 5256	NR_147161_intron_0_0_chr1_55945253_f	0	NR_147161
## 5257	NR_147163_intron_0_0_chr1_56415151_f	0	NR_147163
## 5258	NR_147163_intron_1_0_chr1_56415343_f	0	NR_147163
## 5259	NR_147163_intron_2_0_chr1_56415610_f	0	NR_147163
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## 5261	NR_135111_intron_0_0_chr1_56643625_r	0	NR_135111
## 5262	NM_006252_intron_0_0_chr1_56645482_f	0	NM_006252
## 5263	NM_006252_intron_1_0_chr1_56674523_f	0	NM_006252
## 5264	NM_006252_intron_2_0_chr1_56691488_f	0	NM_006252
## 5265	NM_006252_intron_3_0_chr1_56692503_f	0	NM_006252
## 5266	NM_006252_intron_4_0_chr1_56693853_f	0	NM_006252
## 5267	NM_006252_intron_5_0_chr1_56696160_f	0	NM_006252
## 5268	NM_006252_intron_6_0_chr1_56704476_f	0	NM_006252
## 5269	NM_006252_intron_7_0_chr1_56706219_f	0	NM_006252
## 5270	NM_001278543_intron_11_0_chr1_56929559_r	0	NM_001278543
## 5271	NM_001278543_intron_10_0_chr1_56931879_r	0	NM_001278543
## 5272	NM_001278543_intron_9_0_chr1_56933489_r	0	NM_001278543
## 5273	NM_001278543_intron_8_0_chr1_56941013_r	0	NM_001278543
## 5274	NM_001278543_intron_7_0_chr1_56943825_r	0	NM_001278543
## 5275	NM_001278543_intron_6_0_chr1_56946062_r	0	NM_001278543
## 5276	NM_001278543_intron_5_0_chr1_56949753_r	0	NM_001278543
## 5277	NM_001278543_intron_4_0_chr1_56952181_r	0	NM_001278543
## 5278	NM_001278543_intron_3_0_chr1_56954828_r	0	NM_001278543
## 5279	NM_001278543_intron_2_0_chr1_56956911_r	0	NM_001278543
## 5280	NM_001278543_intron_1_0_chr1_56960177_r	0	NM_001278543
## 5281	NM_001278543_intron_0_0_chr1_56963994_r	0	NM_001278543
## 5282	NM_000066_intron_0_0_chr1_56960177_r	0	NM_000066
## 5283	NM_001278544_intron_2_0_chr1_56956911_r	0	NM_001278544
## 5284	NM_001278544_intron_1_0_chr1_56959658_r	0	NM_001278544
## 5285	NR_104363_intron_0_0_chr1_57860920_f	0	NR_104363
## 5286	NR_104362_intron_0_0_chr1_57861034_f	0	NR_104362
## 5287	NR_104365_intron_0_0_chr1_57860873_f	0	NR_104365
## 5288	NR_104364_intron_0_0_chr1_57860910_f	0	NR_104364
## 5289	NR_110626_intron_1_0_chr1_59021578_f	0	NR_110626
## 5290	NR_027120_intron_1_0_chr1_59132747_r	0	NR_027120
## 5291	NR_027120_intron_0_0_chr1_59133331_r	0	NR_027120
## 5292	NR_110627_intron_0_0_chr1_59773038_f	0	NR_110627
## 5293	NR_110627_intron_1_0_chr1_59774125_f	0	NR_110627
## 5294	NR_110618_intron_1_0_chr1_60954603_r	0	NR_110618
## 5295	NR_110618_intron_0_0_chr1_60970066_r	0	NR_110618
## 5296	NR_104180_intron_2_0_chr1_61249110_r	0	NR_104180
## 5297	NR_104180_intron_1_0_chr1_61249982_r	0	NR_104180
## 5298	NR_104180_intron_0_0_chr1_61251370_r	0	NR_104180
## 5299	NR_135160_intron_0_0_chr1_61723785_r	0	NR_135160
## 5300	NM_001164835_intron_0_0_chr1_62194922_f	0	NM_001164835
## 5301	NM_001164835_intron_1_0_chr1_62196529_f	0	NM_001164835
## 5302	NM_001164835_intron_2_0_chr1_62203558_f	0	NM_001164835
## 5303	NM_001164835_intron_3_0_chr1_62207637_f	0	NM_001164835
## 5304	NM_019079_intron_1_0_chr1_62196529_f	0	NM_019079
## 5305	NM_001017416_intron_0_0_chr1_62436468_f	0	NM_001017416

## 5306	NM_014495_intron_0_0_chr1_62598062_f	0	NM_014495
## 5307	NM_014495_intron_1_0_chr1_62598807_f	0	NM_014495
## 5308	NM_014495_intron_2_0_chr1_62601197_f	0	NM_014495
## 5309	NM_014495_intron_3_0_chr1_62601883_f	0	NM_014495
## 5310	NM_014495_intron_4_0_chr1_62602381_f	0	NM_014495
## 5311	NM_014495_intron_5_0_chr1_62604236_f	0	NM_014495
## 5312	NR_146607_intron_0_0_chr1_63000804_r	0	NR_146607
## 5313	NR_146605_intron_0_0_chr1_63000804_r	0	NR_146605
## 5314	NR_146606_intron_0_0_chr1_63000804_r	0	NR_146606
## 5315	NR_121637_intron_1_0_chr1_63321191_r	0	NR_121637
## 5316	NR_121637_intron_0_0_chr1_63321464_r	0	NR_121637
## 5317	NR_121636_intron_0_0_chr1_63321464_r	0	NR_121636
## 5318	NR_121635_intron_0_0_chr1_63321464_r	0	NR_121635
## 5319	NR_121634_intron_1_0_chr1_63321464_r	0	NR_121634
## 5320	NR_121634_intron_0_0_chr1_63322081_r	0	NR_121634
## 5321	NM_001206739_intron_1_0_chr1_63508571_r	0	NM_001206739
## 5322	NM_001172818_intron_0_0_chr1_63623761_f	0	NM_001172818
## 5323	NM_001172819_intron_0_0_chr1_63594145_f	0	NM_001172819
## 5324	NR_110666_intron_4_0_chr1_64095205_r	0	NR_110666
## 5325	NR_110666_intron_3_0_chr1_64108394_r	0	NR_110666
## 5326	NR_110666_intron_2_0_chr1_64110794_r	0	NR_110666
## 5327	NR_110666_intron_1_0_chr1_64110958_r	0	NR_110666
## 5328	NR_110666_intron_0_0_chr1_64111370_r	0	NR_110666
## 5329	NR_110665_intron_2_0_chr1_64107040_r	0	NR_110665
## 5330	NR_110665_intron_0_0_chr1_64110958_r	0	NR_110665
## 5331	NR_119383_intron_5_0_chr1_64979733_r	0	NR_119383
## 5332	NR_119383_intron_4_0_chr1_64979869_r	0	NR_119383
## 5333	NR_119383_intron_3_0_chr1_64987674_r	0	NR_119383
## 5334	NR_119383_intron_1_0_chr1_64991442_r	0	NR_119383
## 5335	NR_119383_intron_0_0_chr1_64995089_r	0	NR_119383
## 5336	NM_001198681_intron_0_0_chr1_65420741_f	0	NM_001198681
## 5337	NR_123718_intron_1_0_chr1_66042732_r	0	NR_123718
## 5338	NR_123718_intron_0_0_chr1_66046262_r	0	NR_123718
## 5339	NM_001297442_intron_0_0_chr1_66354895_f	0	NM_001297442
## 5340	NM_005478_intron_0_0_chr1_66798246_r	0	NM_005478
## 5341	NM_001199742_intron_1_0_chr1_67686127_f	0	NM_001199742
## 5342	NM_004675_intron_1_0_chr1_68050799_r	0	NM_004675
## 5343	NM_004675_intron_0_0_chr1_68050998_r	0	NM_004675
## 5344	NR_110671_intron_1_0_chr1_68529480_f	0	NR_110671
## 5345	NM_000329_intron_12_0_chr1_68429928_r	0	NM_000329
## 5346	NM_000329_intron_11_0_chr1_68431177_r	0	NM_000329
## 5347	NM_000329_intron_10_0_chr1_68431377_r	0	NM_000329
## 5348	NM_000329_intron_9_0_chr1_68431586_r	0	NM_000329
## 5349	NM_000329_intron_8_0_chr1_68438317_r	0	NM_000329
## 5350	NM_000329_intron_7_0_chr1_68439082_r	0	NM_000329
## 5351	NM_000329_intron_6_0_chr1_68439324_r	0	NM_000329
## 5352	NM_000329_intron_5_0_chr1_68439643_r	0	NM_000329
## 5353	NM_000329_intron_4_0_chr1_68441001_r	0	NM_000329
## 5354	NM_000329_intron_3_0_chr1_68444673_r	0	NM_000329
## 5355	NM_000329_intron_2_0_chr1_68444884_r	0	NM_000329
## 5356	NM_000329_intron_1_0_chr1_68446861_r	0	NM_000329
## 5357	NM_000329_intron_0_0_chr1_68448707_r	0	NM_000329
## 5358	NR_147164_intron_0_0_chr1_69433306_f	0	NR_147164
## 5359	NR_168349_intron_0_0_chr1_70355209_f	0	NR_168349

## 5360	NM_153742_intron_3_0_chr1_70421676_f	0	NM_153742
## 5361	NR_038420_intron_0_0_chr1_71047590_f	0	NR_038420
## 5362	NR_038420_intron_1_0_chr1_71048989_f	0	NR_038420
## 5363	NR_110677_intron_0_0_chr1_73306275_f	0	NR_110677
## 5364	NR_110676_intron_1_0_chr1_73307364_f	0	NR_110676
## 5365	NR_110676_intron_2_0_chr1_73310991_f	0	NR_110676
## 5366	NR_146300_intron_0_0_chr1_73674777_f	0	NR_146300
## 5367	NR_146300_intron_1_0_chr1_73699844_f	0	NR_146300
## 5368	NR_146300_intron_2_0_chr1_73709426_f	0	NR_146300
## 5369	NM_001199328_intron_3_0_chr1_74204457_f	0	NM_001199328
## 5370	NM_001199329_intron_2_0_chr1_74201411_f	0	NM_001199329
## 5371	NM_001364666_intron_2_0_chr1_74472202_r	0	NM_001364666
## 5372	NM_001364666_intron_1_0_chr1_74475811_r	0	NM_001364666
## 5373	NM_001364666_intron_0_0_chr1_74480969_r	0	NM_001364666
## 5374	NM_001382280_intron_1_0_chr1_74480969_r	0	NM_001382280
## 5375	NM_001382280_intron_0_0_chr1_74483376_r	0	NM_001382280
## 5376	NR_121670_intron_0_0_chr1_74589908_f	0	NR_121670
## 5377	NR_027962_intron_0_0_chr1_74733532_f	0	NR_027962
## 5378	NM_001256114_intron_0_0_chr1_75134955_f	0	NM_001256114
## 5379	NM_001256114_intron_1_0_chr1_75136690_f	0	NM_001256114
## 5380	NM_001256114_intron_2_0_chr1_75137262_f	0	NM_001256114
## 5381	NM_001256114_intron_3_0_chr1_75141107_f	0	NM_001256114
## 5382	NM_001256114_intron_4_0_chr1_75143339_f	0	NM_001256114
## 5383	NM_001256114_intron_5_0_chr1_75143949_f	0	NM_001256114
## 5384	NM_001256114_intron_6_0_chr1_75148683_f	0	NM_001256114
## 5385	NM_001256114_intron_7_0_chr1_75157077_f	0	NM_001256114
## 5386	NM_001001933_intron_0_0_chr1_75128609_f	0	NM_001001933
## 5387	NM_001001933_intron_1_0_chr1_75130733_f	0	NM_001001933
## 5388	NR_125939_intron_0_0_chr1_76011399_f	0	NR_125939
## 5389	NR_125939_intron_1_0_chr1_76013331_f	0	NR_125939
## 5390	NR_026546_intron_1_0_chr1_75919159_r	0	NR_026546
## 5391	NR_026546_intron_0_0_chr1_75922298_r	0	NR_026546
## 5392	NM_080868_intron_0_0_chr1_75922360_r	0	NM_080868
## 5393	NR_149059_intron_1_0_chr1_76758169_r	0	NR_149059
## 5394	NR_149059_intron_0_0_chr1_76758405_r	0	NR_149059
## 5395	NR_103535_intron_1_0_chr1_77881899_r	0	NR_103535
## 5396	NR_103535_intron_0_0_chr1_77889269_r	0	NR_103535
## 5397	NM_144573_intron_1_0_chr1_77916134_f	0	NM_144573
## 5398	NM_144573_intron_2_0_chr1_77917758_f	0	NM_144573
## 5399	NR_110632_intron_1_0_chr1_82975119_r	0	NR_110632
## 5400	NR_110632_intron_0_0_chr1_82979287_r	0	NR_110632
## 5401	NR_110633_intron_0_0_chr1_82979287_r	0	NR_110633
## 5402	NR_146478_intron_0_0_chr1_83446675_f	0	NR_146478
## 5403	NR_119374_intron_1_0_chr1_83803252_r	0	NR_119374
## 5404	NR_119374_intron_0_0_chr1_83850023_r	0	NR_119374
## 5405	NM_001375574_intron_0_0_chr1_84165014_f	0	NM_001375574
## 5406	NM_001375574_intron_1_0_chr1_84175057_f	0	NM_001375574
## 5407	NM_001375560_intron_0_0_chr1_84165014_f	0	NM_001375560
## 5408	NM_001375560_intron_1_0_chr1_84173353_f	0	NM_001375560
## 5409	NM_001375560_intron_2_0_chr1_84175057_f	0	NM_001375560
## 5410	NM_001242859_intron_0_0_chr1_84164423_f	0	NM_001242859
## 5411	NM_001242862_intron_0_0_chr1_84181729_f	0	NM_001242862
## 5412	NM_001375563_intron_0_0_chr1_84164423_f	0	NM_001375563
## 5413	NR_003927_intron_5_0_chr1_84365496_r	0	NR_003927

## 5414	NR_003927_intron_4_0_chr1_84365682_r	0	NR_003927
## 5415	NR_003927_intron_3_0_chr1_84367741_r	0	NR_003927
## 5416	NR_003927_intron_2_0_chr1_84370028_r	0	NR_003927
## 5417	NR_003927_intron_1_0_chr1_84372229_r	0	NR_003927
## 5418	NR_003927_intron_0_0_chr1_84381893_r	0	NR_003927
## 5419	NR_125761_intron_1_0_chr1_84598097_r	0	NR_125761
## 5420	NR_125761_intron_0_0_chr1_84618885_r	0	NR_125761
## 5421	NR_027379_intron_1_0_chr1_84630888_r	0	NR_027379
## 5422	NR_027379_intron_0_0_chr1_84631747_r	0	NR_027379
## 5423	NM_012152_intron_0_0_chr1_84866139_r	0	NM_012152
## 5424	NM_001253693_intron_1_0_chr1_85034252_r	0	NM_001253693
## 5425	NM_001170670_intron_0_0_chr1_85707937_r	0	NM_001170670
## 5426	NM_006536_intron_0_0_chr1_86424434_f	0	NM_006536
## 5427	NM_006536_intron_1_0_chr1_86425477_f	0	NM_006536
## 5428	NM_006536_intron_2_0_chr1_86428569_f	0	NM_006536
## 5429	NM_006536_intron_3_0_chr1_86430971_f	0	NM_006536
## 5430	NM_006536_intron_4_0_chr1_86432529_f	0	NM_006536
## 5431	NM_006536_intron_5_0_chr1_86434746_f	0	NM_006536
## 5432	NM_006536_intron_6_0_chr1_86439107_f	0	NM_006536
## 5433	NM_006536_intron_7_0_chr1_86440326_f	0	NM_006536
## 5434	NM_006536_intron_8_0_chr1_86441544_f	0	NM_006536
## 5435	NM_006536_intron_9_0_chr1_86444012_f	0	NM_006536
## 5436	NM_006536_intron_10_0_chr1_86447779_f	0	NM_006536
## 5437	NM_006536_intron_11_0_chr1_86450734_f	0	NM_006536
## 5438	NM_006536_intron_12_0_chr1_86453603_f	0	NM_006536
## 5439	NM_001285_intron_0_0_chr1_86469134_f	0	NM_001285
## 5440	NM_001285_intron_1_0_chr1_86473558_f	0	NM_001285
## 5441	NM_001285_intron_2_0_chr1_86473877_f	0	NM_001285
## 5442	NM_001285_intron_3_0_chr1_86476554_f	0	NM_001285
## 5443	NM_001285_intron_4_0_chr1_86482383_f	0	NM_001285
## 5444	NM_001285_intron_5_0_chr1_86485562_f	0	NM_001285
## 5445	NM_001285_intron_6_0_chr1_86486754_f	0	NM_001285
## 5446	NM_001285_intron_7_0_chr1_86489171_f	0	NM_001285
## 5447	NM_001285_intron_8_0_chr1_86491372_f	0	NM_001285
## 5448	NM_001285_intron_9_0_chr1_86493600_f	0	NM_001285
## 5449	NM_001285_intron_10_0_chr1_86494449_f	0	NM_001285
## 5450	NM_001285_intron_11_0_chr1_86495676_f	0	NM_001285
## 5451	NM_001285_intron_12_0_chr1_86498812_f	0	NM_001285
## 5452	NR_024602_intron_0_0_chr1_86547279_f	0	NR_024602
## 5453	NR_024602_intron_1_0_chr1_86560073_f	0	NR_024602
## 5454	NR_024602_intron_2_0_chr1_86560359_f	0	NR_024602
## 5455	NR_024602_intron_3_0_chr1_86565452_f	0	NR_024602
## 5456	NR_024602_intron_4_0_chr1_86566021_f	0	NR_024602
## 5457	NR_024602_intron_5_0_chr1_86567652_f	0	NR_024602
## 5458	NR_024602_intron_6_0_chr1_86571255_f	0	NR_024602
## 5459	NR_024602_intron_7_0_chr1_86572721_f	0	NR_024602
## 5460	NR_024602_intron_8_0_chr1_86574756_f	0	NR_024602
## 5461	NR_024602_intron_9_0_chr1_86575600_f	0	NR_024602
## 5462	NR_024602_intron_10_0_chr1_86578073_f	0	NR_024602
## 5463	NR_024602_intron_11_0_chr1_86579588_f	0	NR_024602
## 5464	NM_012128_intron_2_0_chr1_86560359_f	0	NM_012128
## 5465	NM_012128_intron_3_0_chr1_86563770_f	0	NM_012128
## 5466	NR_026985_intron_0_0_chr1_87132260_f	0	NR_026985
## 5467	NR_026985_intron_1_0_chr1_87132864_f	0	NR_026985

## 5468	NR_026986_intron_0_0_chr1_87132260_f	0	NR_026986
## 5469	NR_167752_intron_0_0_chr1_87212805_f	0	NR_167752
## 5470	NR_167752_intron_1_0_chr1_87220345_f	0	NR_167752
## 5471	NR_167752_intron_2_0_chr1_87243638_f	0	NR_167752
## 5472	NR_038324_intron_2_0_chr1_87353868_r	0	NR_038324
## 5473	NR_038324_intron_1_0_chr1_87355199_r	0	NR_038324
## 5474	NR_038324_intron_0_0_chr1_87357679_r	0	NR_038324
## 5475	NR_146183_intron_13_0_chr1_88921239_r	0	NR_146183
## 5476	NM_001349448_intron_0_0_chr1_88992759_r	0	NM_001349448
## 5477	NM_001349447_intron_0_0_chr1_88992749_r	0	NM_001349447
## 5478	NM_207398_intron_9_0_chr1_89132404_r	0	NM_207398
## 5479	NM_207398_intron_8_0_chr1_89133452_r	0	NM_207398
## 5480	NM_207398_intron_7_0_chr1_89141649_r	0	NM_207398
## 5481	NM_207398_intron_6_0_chr1_89147780_r	0	NM_207398
## 5482	NM_207398_intron_5_0_chr1_89149573_r	0	NM_207398
## 5483	NM_207398_intron_4_0_chr1_89150576_r	0	NM_207398
## 5484	NM_207398_intron_3_0_chr1_89152465_r	0	NM_207398
## 5485	NM_207398_intron_2_0_chr1_89152778_r	0	NM_207398
## 5486	NM_207398_intron_1_0_chr1_89164859_r	0	NM_207398
## 5487	NM_207398_intron_0_0_chr1_89171955_r	0	NM_207398
## 5488	NM_001320257_intron_0_0_chr1_89364128_f	0	NM_001320257
## 5489	NM_001320257_intron_1_0_chr1_89378213_f	0	NM_001320257
## 5490	NM_001320257_intron_2_0_chr1_89378614_f	0	NM_001320257
## 5491	NM_001320257_intron_3_0_chr1_89380632_f	0	NM_001320257
## 5492	NM_001320257_intron_4_0_chr1_89381975_f	0	NM_001320257
## 5493	NM_001320257_intron_5_0_chr1_89382877_f	0	NM_001320257
## 5494	NM_001320257_intron_6_0_chr1_89383755_f	0	NM_001320257
## 5495	NM_001320257_intron_7_0_chr1_89384287_f	0	NM_001320257
## 5496	NM_198460_intron_0_0_chr1_89364128_f	0	NM_198460
## 5497	NM_198460_intron_1_0_chr1_89368742_f	0	NM_198460
## 5498	NM_198460_intron_2_0_chr1_89369674_f	0	NM_198460
## 5499	NR_003133_intron_3_0_chr1_89421221_f	0	NR_003133
## 5500	NR_033981_intron_1_0_chr1_89625206_r	0	NR_033981
## 5501	NM_001134476_intron_0_0_chr1_89525023_f	0	NM_001134476
## 5502	NM_001134476_intron_1_0_chr1_89526987_f	0	NM_001134476
## 5503	NM_015350_intron_2_0_chr1_89549972_f	0	NM_015350
## 5504	NM_001369819_intron_1_0_chr1_89526987_f	0	NM_001369819
## 5505	NM_001320185_intron_3_0_chr1_90005245_f	0	NM_001320185
## 5506	NM_020063_intron_1_0_chr1_90712625_r	0	NM_020063
## 5507	NM_020063_intron_0_0_chr1_90714757_r	0	NM_020063
## 5508	NR_146610_intron_0_0_chr1_90852280_f	0	NR_146610
## 5509	NM_173567_intron_1_0_chr1_92032591_f	0	NM_173567
## 5510	NM_173567_intron_2_0_chr1_92042981_f	0	NM_173567
## 5511	NM_001012425_intron_0_0_chr1_92218049_f	0	NM_001012425
## 5512	NM_001012425_intron_1_0_chr1_92231487_f	0	NM_001012425
## 5513	NM_001012425_intron_2_0_chr1_92242306_f	0	NM_001012425
## 5514	NM_001012425_intron_3_0_chr1_92244386_f	0	NM_001012425
## 5515	NM_001012425_intron_4_0_chr1_92244858_f	0	NM_001012425
## 5516	NM_001252271_intron_0_0_chr1_92876431_r	0	NM_001252271
## 5517	NR_146333_intron_3_0_chr1_92834881_f	0	NR_146333
## 5518	NM_001308251_intron_0_0_chr1_93584122_r	0	NM_001308251
## 5519	NR_034091_intron_1_0_chr1_93594450_f	0	NR_034091
## 5520	NR_034091_intron_2_0_chr1_93598991_f	0	NR_034091
## 5521	NR_148965_intron_0_0_chr1_93754347_r	0	NR_148965

## 5522	NM_001328666_intron_11_0_chr1_94190057_r	0	NM_001328666
## 5523	NM_001328666_intron_0_0_chr1_94231644_r	0	NM_001328666
## 5524	NM_001328667_intron_0_0_chr1_94220393_r	0	NM_001328667
## 5525	NM_001258340_intron_0_0_chr1_94820479_f	0	NM_001258340
## 5526	NM_001258340_intron_10_0_chr1_94864900_f	0	NM_001258340
## 5527	NM_001258343_intron_0_0_chr1_94820479_f	0	NM_001258343
## 5528	NM_001258343_intron_2_0_chr1_94827548_f	0	NM_001258343
## 5529	NM_001350223_intron_0_0_chr1_94824636_f	0	NM_001350223
## 5530	NM_001350223_intron_1_0_chr1_94825943_f	0	NM_001350223
## 5531	NM_001301079_intron_0_0_chr1_94820724_f	0	NM_001301079
## 5532	NR_146575_intron_11_0_chr1_94867418_f	0	NR_146575
## 5533	NR_146575_intron_12_0_chr1_94888693_f	0	NR_146575
## 5534	NR_146575_intron_13_0_chr1_94891268_f	0	NR_146575
## 5535	NM_001286056_intron_0_0_chr1_94903525_r	0	NM_001286056
## 5536	NR_033998_intron_0_0_chr1_94928403_f	0	NR_033998
## 5537	NR_033998_intron_1_0_chr1_94931986_f	0	NR_033998
## 5538	NR_033998_intron_2_0_chr1_94961434_f	0	NR_033998
## 5539	NR_168377_intron_0_0_chr1_94926741_f	0	NR_168377
## 5540	NR_168377_intron_1_0_chr1_94931986_f	0	NR_168377
## 5541	NM_001286055_intron_2_0_chr1_94901786_r	0	NM_001286055
## 5542	NR_132786_intron_0_0_chr1_95062190_f	0	NR_132786
## 5543	NR_125948_intron_3_0_chr1_95165199_r	0	NR_125948
## 5544	NR_125948_intron_2_0_chr1_95180360_r	0	NR_125948
## 5545	NR_125948_intron_1_0_chr1_95205134_r	0	NR_125948
## 5546	NR_125948_intron_0_0_chr1_95221832_r	0	NR_125948
## 5547	NR_125949_intron_2_0_chr1_95165199_r	0	NR_125949
## 5548	NM_001128142_intron_1_0_chr1_95244716_f	0	NM_001128142
## 5549	NR_103484_intron_1_0_chr1_95239811_f	0	NR_103484
## 5550	NR_135588_intron_0_0_chr1_95311194_r	0	NR_135588
## 5551	NR_146486_intron_0_0_chr1_95351630_r	0	NR_146486
## 5552	NR_033966_intron_0_0_chr1_95475176_f	0	NR_033966
## 5553	NR_033966_intron_1_0_chr1_95475375_f	0	NR_033966
## 5554	NR_033966_intron_2_0_chr1_95476981_f	0	NR_033966
## 5555	NR_110621_intron_0_0_chr1_95510363_f	0	NR_110621
## 5556	NR_110621_intron_1_0_chr1_95512623_f	0	NR_110621
## 5557	NR_110622_intron_0_0_chr1_95510363_f	0	NR_110622
## 5558	NR_125991_intron_0_0_chr1_95992123_f	0	NR_125991
## 5559	NR_125991_intron_1_0_chr1_95992510_f	0	NR_125991
## 5560	NR_125991_intron_2_0_chr1_95996195_f	0	NR_125991
## 5561	NR_125991_intron_3_0_chr1_96006422_f	0	NR_125991
## 5562	NR_046591_intron_0_0_chr1_97797073_f	0	NR_046591
## 5563	NR_046591_intron_1_0_chr1_97797296_f	0	NR_046591
## 5564	NR_146275_intron_0_0_chr1_97934170_r	0	NR_146275
## 5565	NR_046088_intron_0_0_chr1_98210811_f	0	NR_046088
## 5566	NR_046088_intron_1_0_chr1_98249547_f	0	NR_046088
## 5567	NM_001166252_intron_0_0_chr1_99264672_f	0	NM_001166252
## 5568	NM_001166252_intron_1_0_chr1_99288151_f	0	NM_001166252
## 5569	NM_001166252_intron_2_0_chr1_99296868_f	0	NM_001166252
## 5570	NM_001166252_intron_3_0_chr1_99299231_f	0	NM_001166252
## 5571	NM_001166252_intron_4_0_chr1_99300967_f	0	NM_001166252
## 5572	NM_014839_intron_4_0_chr1_99300967_f	0	NM_014839
## 5573	NM_014839_intron_5_0_chr1_99301898_f	0	NM_014839
## 5574	NM_001304829_intron_1_0_chr1_100122485_r	0	NM_001304829
## 5575	NM_001256385_intron_9_0_chr1_100149098_r	0	NM_001256385

## 5576	NM_001256385_intron_8_0_chr1_100149436_r	0	NM_001256385
## 5577	NM_001256385_intron_0_0_chr1_100173371_r	0	NM_001256385
## 5578	NM_001256387_intron_0_0_chr1_100168595_r	0	NM_001256387
## 5579	NM_144620_intron_0_0_chr1_100173371_r	0	NM_144620
## 5580	NR_038914_intron_3_0_chr1_100627303_r	0	NR_038914
## 5581	NR_038914_intron_2_0_chr1_100628943_r	0	NR_038914
## 5582	NR_038914_intron_1_0_chr1_100640773_r	0	NR_038914
## 5583	NR_038914_intron_0_0_chr1_100645236_r	0	NR_038914
## 5584	NM_001199834_intron_1_0_chr1_100720566_f	0	NM_001199834
## 5585	NM_080682_intron_3_0_chr1_100724891_f	0	NM_080682
## 5586	NM_001261442_intron_2_0_chr1_100874431_r	0	NM_001261442
## 5587	NR_048570_intron_2_0_chr1_100877904_r	0	NR_048570
## 5588	NR_048570_intron_1_0_chr1_100881052_r	0	NR_048570
## 5589	NM_001261440_intron_2_0_chr1_100876862_r	0	NM_001261440
## 5590	NM_001261441_intron_2_0_chr1_100877904_r	0	NM_001261441
## 5591	NR_104626_intron_0_0_chr1_101235882_r	0	NR_104626
## 5592	NR_126402_intron_0_0_chr1_101323876_f	0	NR_126402
## 5593	NR_126402_intron_1_0_chr1_101343996_f	0	NR_126402
## 5594	NR_126402_intron_2_0_chr1_101345846_f	0	NR_126402
## 5595	NR_126402_intron_3_0_chr1_101350186_f	0	NR_126402
## 5596	NR_033424_intron_0_0_chr1_101872106_f	0	NR_033424
## 5597	NR_168319_intron_4_0_chr1_103418225_r	0	NR_168319
## 5598	NR_168319_intron_3_0_chr1_103418816_r	0	NR_168319
## 5599	NR_168319_intron_2_0_chr1_103429374_r	0	NR_168319
## 5600	NR_168319_intron_1_0_chr1_103433097_r	0	NR_168319
## 5601	NR_168319_intron_0_0_chr1_103469391_r	0	NR_168319
## 5602	NR_168320_intron_0_0_chr1_103433097_r	0	NR_168320
## 5603	NR_168321_intron_2_0_chr1_103418225_r	0	NR_168321
## 5604	NM_000699_intron_0_0_chr1_103617609_f	0	NM_000699
## 5605	NM_000699_intron_1_0_chr1_103618101_f	0	NM_000699
## 5606	NM_000699_intron_2_0_chr1_103619109_f	0	NM_000699
## 5607	NM_000699_intron_3_0_chr1_103619785_f	0	NM_000699
## 5608	NM_000699_intron_4_0_chr1_103620685_f	0	NM_000699
## 5609	NM_000699_intron_5_0_chr1_103621700_f	0	NM_000699
## 5610	NM_000699_intron_6_0_chr1_103621894_f	0	NM_000699
## 5611	NM_000699_intron_7_0_chr1_103623985_f	0	NM_000699
## 5612	NM_000699_intron_8_0_chr1_103624222_f	0	NM_000699
## 5613	NM_004038_intron_0_0_chr1_103655929_f	0	NM_004038
## 5614	NM_004038_intron_1_0_chr1_103656499_f	0	NM_004038
## 5615	NM_004038_intron_2_0_chr1_103656991_f	0	NM_004038
## 5616	NM_004038_intron_3_0_chr1_103657992_f	0	NM_004038
## 5617	NM_004038_intron_4_0_chr1_103658671_f	0	NM_004038
## 5618	NM_004038_intron_5_0_chr1_103659544_f	0	NM_004038
## 5619	NM_004038_intron_6_0_chr1_103660483_f	0	NM_004038
## 5620	NM_004038_intron_7_0_chr1_103660677_f	0	NM_004038
## 5621	NM_001346780_intron_0_0_chr1_103655687_f	0	NM_001346780
## 5622	NM_001346780_intron_0_0_chr1_103749825_f	0	NM_001346780
## 5623	NM_001346780_intron_1_0_chr1_103750638_f	0	NM_001346780
## 5624	NM_001346780_intron_2_0_chr1_103751130_f	0	NM_001346780
## 5625	NM_001346780_intron_3_0_chr1_103752131_f	0	NM_001346780
## 5626	NM_001346780_intron_4_0_chr1_103752810_f	0	NM_001346780
## 5627	NM_001346780_intron_5_0_chr1_103753683_f	0	NM_001346780
## 5628	NM_001346780_intron_6_0_chr1_103754622_f	0	NM_001346780
## 5629	NM_001346780_intron_7_0_chr1_103754815_f	0	NM_001346780

## 5630	NM_004038_intron_0_0_chr1_103750067_f	0	NM_004038
## 5631	NM_004038_intron_7_0_chr1_103689313_r	0	NM_004038
## 5632	NM_004038_intron_6_0_chr1_103691394_r	0	NM_004038
## 5633	NM_004038_intron_5_0_chr1_103691611_r	0	NM_004038
## 5634	NM_004038_intron_4_0_chr1_103692561_r	0	NM_004038
## 5635	NM_004038_intron_3_0_chr1_103693531_r	0	NM_004038
## 5636	NM_004038_intron_2_0_chr1_103694177_r	0	NM_004038
## 5637	NM_004038_intron_1_0_chr1_103695127_r	0	NM_004038
## 5638	NM_004038_intron_0_0_chr1_103695686_r	0	NM_004038
## 5639	NM_001346780_intron_0_0_chr1_103695686_r	0	NM_001346780
## 5640	NR_033990_intron_0_0_chr1_104073905_f	0	NR_033990
## 5641	NR_125955_intron_2_0_chr1_105589786_r	0	NR_125955
## 5642	NR_125955_intron_1_0_chr1_105604266_r	0	NR_125955
## 5643	NR_125955_intron_0_0_chr1_105606090_r	0	NR_125955
## 5644	NR_125954_intron_2_0_chr1_105603559_r	0	NR_125954
## 5645	NR_125954_intron_0_0_chr1_105606090_r	0	NR_125954
## 5646	NR_146609_intron_4_0_chr1_105927715_r	0	NR_146609
## 5647	NR_146609_intron_3_0_chr1_105988508_r	0	NR_146609
## 5648	NR_146609_intron_2_0_chr1_105992345_r	0	NR_146609
## 5649	NR_146609_intron_1_0_chr1_106023213_r	0	NR_146609
## 5650	NR_146609_intron_0_0_chr1_106027283_r	0	NR_146609
## 5651	NM_001143989_intron_10_0_chr1_108232429_r	0	NM_001143989
## 5652	NM_001143989_intron_9_0_chr1_108233212_r	0	NM_001143989
## 5653	NM_001143989_intron_8_0_chr1_108234412_r	0	NM_001143989
## 5654	NM_001143989_intron_7_0_chr1_108235288_r	0	NM_001143989
## 5655	NM_001143989_intron_6_0_chr1_108236410_r	0	NM_001143989
## 5656	NM_001143989_intron_4_0_chr1_108238960_r	0	NM_001143989
## 5657	NM_001143989_intron_3_0_chr1_108239907_r	0	NM_001143989
## 5658	NM_001143989_intron_2_0_chr1_108241165_r	0	NM_001143989
## 5659	NM_001143989_intron_1_0_chr1_108242174_r	0	NM_001143989
## 5660	NM_001143989_intron_0_0_chr1_108243797_r	0	NM_001143989
## 5661	NM_001143987_intron_0_0_chr1_108450465_f	0	NM_001143987
## 5662	NM_001143987_intron_1_0_chr1_108450780_f	0	NM_001143987
## 5663	NM_001143987_intron_2_0_chr1_108452290_f	0	NM_001143987
## 5664	NM_001143987_intron_3_0_chr1_108453396_f	0	NM_001143987
## 5665	NM_001143987_intron_4_0_chr1_108454518_f	0	NM_001143987
## 5666	NM_001143987_intron_6_0_chr1_108457059_f	0	NM_001143987
## 5667	NM_001143987_intron_7_0_chr1_108457335_f	0	NM_001143987
## 5668	NM_001143987_intron_11_0_chr1_108461185_f	0	NM_001143987
## 5669	NM_001143987_intron_12_0_chr1_108462089_f	0	NM_001143987
## 5670	NM_001143988_intron_6_0_chr1_108457059_f	0	NM_001143988
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## 5672	NM_001144937_intron_1_0_chr1_108713530_f	0	NM_001144937
## 5673	NM_001144937_intron_2_0_chr1_108718032_f	0	NM_001144937
## 5674	NM_001144937_intron_3_0_chr1_108719050_f	0	NM_001144937
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## 5676	NM_001144937_intron_5_0_chr1_108726005_f	0	NM_001144937
## 5677	NM_001144937_intron_6_0_chr1_108728066_f	0	NM_001144937
## 5678	NM_001144937_intron_7_0_chr1_108728887_f	0	NM_001144937
## 5679	NM_001144937_intron_8_0_chr1_108730929_f	0	NM_001144937
## 5680	NM_001144937_intron_9_0_chr1_108733533_f	0	NM_001144937
## 5681	NM_001144937_intron_10_0_chr1_108737525_f	0	NM_001144937
## 5682	NM_001144937_intron_11_0_chr1_108741842_f	0	NM_001144937
## 5683	NR_049777_intron_0_0_chr1_108857502_f	0	NR_049777

## 5684	NR_034168_intron_1_0_chr1_108858268_f	0	NR_034168
## 5685	NR_049760_intron_12_0_chr1_108816303_r	0	NR_049760
## 5686	NR_049760_intron_11_0_chr1_108817178_r	0	NR_049760
## 5687	NR_049760_intron_10_0_chr1_108823478_r	0	NR_049760
## 5688	NR_049760_intron_8_0_chr1_108827303_r	0	NR_049760
## 5689	NR_049760_intron_7_0_chr1_108830651_r	0	NR_049760
## 5690	NR_049760_intron_6_0_chr1_108837707_r	0	NR_049760
## 5691	NR_049760_intron_5_0_chr1_108843268_r	0	NR_049760
## 5692	NR_049760_intron_4_0_chr1_108848815_r	0	NR_049760
## 5693	NR_049760_intron_3_0_chr1_108849061_r	0	NR_049760
## 5694	NR_049760_intron_2_0_chr1_108849577_r	0	NR_049760
## 5695	NR_049760_intron_1_0_chr1_108852768_r	0	NR_049760
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## 5697	NM_152763_intron_13_0_chr1_108817178_r	0	NM_152763
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## 5699	NM_152763_intron_8_0_chr1_108830651_r	0	NM_152763
## 5700	NM_152763_intron_7_0_chr1_108834529_r	0	NM_152763
## 5701	NM_152763_intron_6_0_chr1_108835057_r	0	NM_152763
## 5702	NM_001278202_intron_4_0_chr1_108941499_r	0	NM_001278202
## 5703	NM_014969_intron_4_0_chr1_109004719_r	0	NM_014969
## 5704	NM_001377466_intron_0_0_chr1_108962470_r	0	NM_001377466
## 5705	NM_001377465_intron_0_0_chr1_108962470_r	0	NM_001377465
## 5706	NM_001278203_intron_2_0_chr1_108939783_r	0	NM_001278203
## 5707	NM_015127_intron_3_0_chr1_108943908_r	0	NM_015127
## 5708	NR_165299_intron_10_0_chr1_108938309_r	0	NR_165299
## 5709	NM_001142550_intron_3_0_chr1_109011719_r	0	NM_001142550
## 5710	NM_001377464_intron_0_0_chr1_108950449_r	0	NM_001377464
## 5711	NM_001377469_intron_1_0_chr1_108947719_r	0	NM_001377469
## 5712	NM_001377463_intron_0_0_chr1_108950449_r	0	NM_001377463
## 5713	NM_001377468_intron_0_0_chr1_108962470_r	0	NM_001377468
## 5714	NM_001377467_intron_1_0_chr1_108950439_r	0	NM_001377467
## 5715	NM_001245025_intron_2_0_chr1_109106660_r	0	NM_001245025
## 5716	NM_001245025_intron_1_0_chr1_109107123_r	0	NM_001245025
## 5717	NM_001245025_intron_0_0_chr1_109108038_r	0	NM_001245025
## 5718	NM_001122961_intron_0_0_chr1_109108038_r	0	NM_001122961
## 5719	NR_136242_intron_0_0_chr1_109090883_f	0	NR_136242
## 5720	NR_136242_intron_1_0_chr1_109091749_f	0	NR_136242
## 5721	NM_001366202_intron_0_0_chr1_109107123_r	0	NM_001366202
## 5722	NM_001366201_intron_0_0_chr1_109107123_r	0	NM_001366201
## 5723	NM_001366200_intron_0_0_chr1_109108068_r	0	NM_001366200
## 5724	NR_158762_intron_0_0_chr1_109106660_r	0	NR_158762
## 5725	NM_001010985_intron_7_0_chr1_109292589_r	0	NM_001010985
## 5726	NM_001010985_intron_3_0_chr1_109296943_r	0	NM_001010985
## 5727	NM_001010985_intron_2_0_chr1_109297190_r	0	NM_001010985
## 5728	NM_001408_intron_32_0_chr1_109273671_f	0	NM_001408
## 5729	NM_001350238_intron_0_0_chr1_109282737_r	0	NM_001350238
## 5730	NM_001265613_intron_2_0_chr1_109297190_r	0	NM_001265613
## 5731	NM_001284353_intron_0_0_chr1_109187671_f	0	NM_001284353
## 5732	NM_001040709_intron_0_0_chr1_109466898_f	0	NM_001040709
## 5733	NM_001040709_intron_1_0_chr1_109467134_f	0	NM_001040709
## 5734	NM_001040709_intron_2_0_chr1_109475706_f	0	NM_001040709
## 5735	NM_001040709_intron_3_0_chr1_109476978_f	0	NM_001040709
## 5736	NM_001040709_intron_4_0_chr1_109478010_f	0	NM_001040709
## 5737	NM_153340_intron_3_0_chr1_109487218_f	0	NM_153340

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## 5740	NM_001350177_intron_1_0_chr1_109485519_f	0 NM_001350177
## 5741	NM_031936_intron_0_0_chr1_109539954_f	0 NM_031936
## 5742	NM_031936_intron_1_0_chr1_109544640_f	0 NM_031936
## 5743	NM_005272_intron_6_0_chr1_109603545_r	0 NM_005272
## 5744	NM_005272_intron_5_0_chr1_109604105_r	0 NM_005272
## 5745	NM_005272_intron_4_0_chr1_109606100_r	0 NM_005272
## 5746	NM_005272_intron_3_0_chr1_109606437_r	0 NM_005272
## 5747	NM_005272_intron_2_0_chr1_109608789_r	0 NM_005272
## 5748	NM_005272_intron_1_0_chr1_109610182_r	0 NM_005272
## 5749	NM_005272_intron_0_0_chr1_109610508_r	0 NM_005272
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## 5754	NM_000849_intron_0_0_chr1_109740512_r	0 NM_000849
## 5755	NM_001319952_intron_16_0_chr1_109750403_r	0 NM_001319952
## 5756	NM_001319952_intron_15_0_chr1_109750793_r	0 NM_001319952
## 5757	NM_001319952_intron_14_0_chr1_109751352_r	0 NM_001319952
## 5758	NM_001319952_intron_13_0_chr1_109751783_r	0 NM_001319952
## 5759	NM_001319952_intron_12_0_chr1_109752104_r	0 NM_001319952
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## 5761	NM_001319952_intron_10_0_chr1_109753199_r	0 NM_001319952
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## 5763	NM_001319952_intron_8_0_chr1_109757556_r	0 NM_001319952
## 5764	NM_001319952_intron_7_0_chr1_109757864_r	0 NM_001319952
## 5765	NM_001319952_intron_6_0_chr1_109758059_r	0 NM_001319952
## 5766	NM_001319952_intron_5_0_chr1_109758432_r	0 NM_001319952
## 5767	NM_001319952_intron_4_0_chr1_109758667_r	0 NM_001319952
## 5768	NM_001319952_intron_3_0_chr1_109759118_r	0 NM_001319952
## 5769	NM_001319952_intron_2_0_chr1_109759388_r	0 NM_001319952
## 5770	NM_001319952_intron_1_0_chr1_109759837_r	0 NM_001319952
## 5771	NM_001319952_intron_0_0_chr1_109761560_r	0 NM_001319952
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## 5773	NM_024526_intron_1_0_chr1_109761560_r	0 NM_024526
## 5774	NM_024526_intron_0_0_chr1_109761774_r	0 NM_024526
## 5775	NM_133181_intron_13_0_chr1_109752194_r	0 NM_133181
## 5776	NM_172210_intron_5_0_chr1_109923712_f	0 NM_172210
## 5777	NM_001270768_intron_0_0_chr1_110031641_f	0 NM_001270768
## 5778	NM_001242676_intron_0_0_chr1_110004441_f	0 NM_001242676
## 5779	NM_001242674_intron_0_0_chr1_110000989_f	0 NM_001242674
## 5780	NM_001242674_intron_1_0_chr1_110002318_f	0 NM_001242674
## 5781	NM_001242673_intron_0_0_chr1_109985544_f	0 NM_001242673
## 5782	NM_006492_intron_0_0_chr1_110064904_r	0 NM_006492
## 5783	NR_046546_intron_0_0_chr1_110209205_r	0 NR_046546
## 5784	NM_001010898_intron_0_0_chr1_110150884_f	0 NM_001010898
## 5785	NM_001010898_intron_1_0_chr1_110167216_f	0 NM_001010898
## 5786	NM_001010898_intron_2_0_chr1_110172218_f	0 NM_001010898
## 5787	NM_001010898_intron_3_0_chr1_110174100_f	0 NM_001010898
## 5788	NM_001010898_intron_4_0_chr1_110174961_f	0 NM_001010898
## 5789	NM_001010898_intron_5_0_chr1_110176740_f	0 NM_001010898
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## 5791	NM_001010898_intron_7_0_chr1_110192699_f	0 NM_001010898

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## 5793	NM_001010898_intron_9_0_chr1_110195746_f	0	NM_001010898
## 5794	NM_001010898_intron_10_0_chr1_110197600_f	0	NM_001010898
## 5795	NR_036595_intron_2_0_chr1_110288572_r	0	NR_036595
## 5796	NR_036595_intron_1_0_chr1_110292508_r	0	NR_036595
## 5797	NR_108042_intron_0_0_chr1_110489908_r	0	NR_108042
## 5798	NM_001201549_intron_6_0_chr1_110363894_r	0	NM_001201549
## 5799	NM_001201549_intron_5_0_chr1_110375552_r	0	NM_001201549
## 5800	NM_001201549_intron_4_0_chr1_110377162_r	0	NM_001201549
## 5801	NM_001201549_intron_3_0_chr1_110381144_r	0	NM_001201549
## 5802	NM_001201549_intron_2_0_chr1_110381796_r	0	NM_001201549
## 5803	NM_001201549_intron_1_0_chr1_110382967_r	0	NM_001201549
## 5804	NM_001201549_intron_0_0_chr1_110389356_r	0	NM_001201549
## 5805	NM_001319220_intron_1_0_chr1_110381796_r	0	NM_001319220
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## 5807	NR_003599_intron_1_0_chr1_110482926_f	0	NR_003599
## 5808	NR_003599_intron_2_0_chr1_110484032_f	0	NR_003599
## 5809	NR_003599_intron_3_0_chr1_110484945_f	0	NR_003599
## 5810	NR_003599_intron_4_0_chr1_110487086_f	0	NR_003599
## 5811	NR_003599_intron_5_0_chr1_110488635_f	0	NR_003599
## 5812	NR_003599_intron_6_0_chr1_110489572_f	0	NR_003599
## 5813	NR_003599_intron_7_0_chr1_110490271_f	0	NR_003599
## 5814	NM_001201548_intron_5_0_chr1_110363914_r	0	NM_001201548
## 5815	NM_001201548_intron_3_0_chr1_110377162_r	0	NM_001201548
## 5816	NM_001201548_intron_2_0_chr1_110379357_r	0	NM_001201548
## 5817	NM_001201548_intron_1_0_chr1_110381144_r	0	NM_001201548
## 5818	NM_001201546_intron_2_0_chr1_110381144_r	0	NM_001201546
## 5819	NM_032414_intron_0_0_chr1_110451289_f	0	NM_032414
## 5820	NM_032414_intron_1_0_chr1_110454087_f	0	NM_032414
## 5821	NM_004974_intron_0_0_chr1_110605723_r	0	NM_004974
## 5822	NR_109846_intron_1_0_chr1_110659587_r	0	NR_109846
## 5823	NR_109846_intron_0_0_chr1_110668342_r	0	NR_109846
## 5824	NR_109845_intron_0_0_chr1_110668345_r	0	NR_109845
## 5825	NM_001025197_intron_0_0_chr1_111227770_f	0	NM_001025197
## 5826	NM_004000_intron_0_0_chr1_111227770_f	0	NM_004000
## 5827	NM_001258005_intron_0_0_chr1_111290951_f	0	NM_001258005
## 5828	NM_001258005_intron_1_0_chr1_111310493_f	0	NM_001258005
## 5829	NM_001258005_intron_2_0_chr1_111311719_f	0	NM_001258005
## 5830	NM_001258005_intron_3_0_chr1_111314597_f	0	NM_001258005
## 5831	NM_001258005_intron_4_0_chr1_111315873_f	0	NM_001258005
## 5832	NM_001258005_intron_5_0_chr1_111317806_f	0	NM_001258005
## 5833	NM_001258005_intron_6_0_chr1_111318110_f	0	NM_001258005
## 5834	NM_001258005_intron_7_0_chr1_111318679_f	0	NM_001258005
## 5835	NM_001258005_intron_8_0_chr1_111319240_f	0	NM_001258005
## 5836	NM_001258005_intron_9_0_chr1_111319469_f	0	NM_001258005
## 5837	NR_125338_intron_1_0_chr1_111347050_f	0	NR_125338
## 5838	NM_001258001_intron_3_0_chr1_111314597_f	0	NM_001258001
## 5839	NM_001258001_intron_4_0_chr1_111315436_f	0	NM_001258001
## 5840	NR_029429_intron_3_0_chr1_111384596_r	0	NR_029429
## 5841	NR_029429_intron_2_0_chr1_111386859_r	0	NR_029429
## 5842	NR_029429_intron_1_0_chr1_111388454_r	0	NR_029429
## 5843	NR_029429_intron_0_0_chr1_111389267_r	0	NR_029429
## 5844	NM_001258003_intron_0_0_chr1_111290951_f	0	NM_001258003
## 5845	NM_001300831_intron_1_0_chr1_111347050_f	0	NM_001300831

## 5846	NM_001258002_intron_0_0_chr1_111290951_f	0	NM_001258002
## 5847	NM_001258002_intron_1_0_chr1_111314597_f	0	NM_001258002
## 5848	NM_201653_intron_2_0_chr1_111311719_f	0	NM_201653
## 5849	NM_201653_intron_3_0_chr1_111312392_f	0	NM_201653
## 5850	NR_003928_intron_0_0_chr1_111280554_f	0	NR_003928
## 5851	NR_003928_intron_1_0_chr1_111282476_f	0	NR_003928
## 5852	NR_003928_intron_2_0_chr1_111282737_f	0	NR_003928
## 5853	NR_003928_intron_3_0_chr1_111283106_f	0	NR_003928
## 5854	NR_003928_intron_4_0_chr1_111283410_f	0	NR_003928
## 5855	NR_003928_intron_5_0_chr1_111284250_f	0	NR_003928
## 5856	NR_003928_intron_6_0_chr1_111284866_f	0	NR_003928
## 5857	NM_001258004_intron_4_0_chr1_111315436_f	0	NM_001258004
## 5858	NM_181643_intron_1_0_chr1_111347050_f	0	NM_181643
## 5859	NM_002557_intron_0_0_chr1_111427092_r	0	NM_002557
## 5860	NM_001317064_intron_1_0_chr1_111444125_r	0	NM_001317064
## 5861	NM_001317063_intron_8_0_chr1_111441384_r	0	NM_001317063
## 5862	NM_001302679_intron_0_0_chr1_111500557_r	0	NM_001302679
## 5863	NM_001302678_intron_0_0_chr1_111500621_r	0	NM_001302678
## 5864	NM_020683_intron_0_0_chr1_111490763_r	0	NM_020683
## 5865	NR_160737_intron_0_0_chr1_111620217_r	0	NR_160737
## 5866	NR_038951_intron_0_0_chr1_111740078_f	0	NR_038951
## 5867	NR_038952_intron_0_0_chr1_111740078_f	0	NR_038952
## 5868	NR_125963_intron_1_0_chr1_111747705_r	0	NR_125963
## 5869	NR_125963_intron_0_0_chr1_111753255_r	0	NR_125963
## 5870	NR_046783_intron_0_0_chr1_111854050_r	0	NR_046783
## 5871	NR_046619_intron_0_0_chr1_111909717_f	0	NR_046619
## 5872	NR_046619_intron_1_0_chr1_111909894_f	0	NR_046619
## 5873	NR_046619_intron_2_0_chr1_111910314_f	0	NR_046619
## 5874	NR_145438_intron_0_0_chr1_111991188_f	0	NR_145438
## 5875	NM_024494_intron_0_0_chr1_112509445_f	0	NM_024494
## 5876	NM_024494_intron_1_0_chr1_112515095_f	0	NM_024494
## 5877	NM_024494_intron_2_0_chr1_112516418_f	0	NM_024494
## 5878	NM_024494_intron_3_0_chr1_112517386_f	0	NM_024494
## 5879	NM_004185_intron_1_0_chr1_112491082_f	0	NM_004185
## 5880	NM_001291880_intron_0_0_chr1_112467592_f	0	NM_001291880
## 5881	NM_001042679_intron_0_0_chr1_112705169_r	0	NM_001042679
## 5882	NM_001130079_intron_0_0_chr1_112674631_f	0	NM_001130079
## 5883	NR_103746_intron_5_0_chr1_112820542_r	0	NR_103746
## 5884	NR_103746_intron_4_0_chr1_112823755_r	0	NR_103746
## 5885	NR_103746_intron_3_0_chr1_112825673_r	0	NR_103746
## 5886	NR_103746_intron_2_0_chr1_112828512_r	0	NR_103746
## 5887	NR_103746_intron_1_0_chr1_112840581_r	0	NR_103746
## 5888	NR_103746_intron_0_0_chr1_112849051_r	0	NR_103746
## 5889	NR_103744_intron_1_0_chr1_112960576_f	0	NR_103744
## 5890	NM_001166496_intron_0_0_chr1_112929353_r	0	NM_001166496
## 5891	NR_103777_intron_1_0_chr1_113013840_r	0	NR_103777
## 5892	NR_103777_intron_0_0_chr1_113048562_r	0	NR_103777
## 5893	NR_038846_intron_1_0_chr1_113198691_r	0	NR_038846
## 5894	NR_038846_intron_0_0_chr1_113201843_r	0	NR_038846
## 5895	NM_001323046_intron_2_0_chr1_113726575_r	0	NM_001323046
## 5896	NM_001323042_intron_0_0_chr1_113758734_r	0	NM_001323042
## 5897	NR_125965_intron_0_0_chr1_113812826_f	0	NR_125965
## 5898	NR_125965_intron_1_0_chr1_113814492_f	0	NR_125965
## 5899	NR_125965_intron_2_0_chr1_113815473_f	0	NR_125965

## 5900	NR_125965_intron_3_0_chr1_113897990_f	0	NR_125965
## 5901	NR_037864_intron_0_0_chr1_113856725_f	0	NR_037864
## 5902	NR_037864_intron_1_0_chr1_113857658_f	0	NR_037864
## 5903	NR_037864_intron_2_0_chr1_113858017_f	0	NR_037864
## 5904	NM_012411_intron_8_0_chr1_113838621_r	0	NM_012411
## 5905	NR_110725_intron_3_0_chr1_113924333_r	0	NR_110725
## 5906	NR_110725_intron_2_0_chr1_113926742_r	0	NR_110725
## 5907	NR_110725_intron_1_0_chr1_113927823_r	0	NR_110725
## 5908	NR_110725_intron_0_0_chr1_113928389_r	0	NR_110725
## 5909	NR_110726_intron_0_0_chr1_113928389_r	0	NR_110726
## 5910	NM_001286352_intron_0_0_chr1_113979631_f	0	NM_001286352
## 5911	NM_001286352_intron_1_0_chr1_113980127_f	0	NM_001286352
## 5912	NM_001363690_intron_3_0_chr1_113911839_f	0	NM_001363690
## 5913	NM_198269_intron_0_0_chr1_113951293_f	0	NM_198269
## 5914	NM_001286353_intron_0_0_chr1_113979631_f	0	NM_001286353
## 5915	NM_181358_intron_0_0_chr1_113953933_f	0	NM_181358
## 5916	NM_001319947_intron_0_0_chr1_113904709_f	0	NM_001319947
## 5917	NM_001270805_intron_6_0_chr1_114092083_r	0	NM_001270805
## 5918	NM_001270805_intron_5_0_chr1_114093804_r	0	NM_001270805
## 5919	NM_001270805_intron_4_0_chr1_114097878_r	0	NM_001270805
## 5920	NM_001270805_intron_3_0_chr1_114099266_r	0	NM_001270805
## 5921	NM_001270805_intron_2_0_chr1_114103722_r	0	NM_001270805
## 5922	NM_001270805_intron_1_0_chr1_114138054_r	0	NM_001270805
## 5923	NM_001270805_intron_0_0_chr1_114139881_r	0	NM_001270805
## 5924	NM_001366226_intron_5_0_chr1_114092083_r	0	NM_001366226
## 5925	NM_001366225_intron_5_0_chr1_114093804_r	0	NM_001366225
## 5926	NM_001366225_intron_0_0_chr1_114139964_r	0	NM_001366225
## 5927	NM_001366223_intron_0_0_chr1_114139964_r	0	NM_001366223
## 5928	NM_205848_intron_0_0_chr1_114139881_r	0	NM_205848
## 5929	NM_198459_intron_16_0_chr1_114585632_r	0	NM_198459
## 5930	NM_198459_intron_13_0_chr1_114594579_r	0	NM_198459
## 5931	NM_198459_intron_12_0_chr1_114595874_r	0	NM_198459
## 5932	NM_198459_intron_10_0_chr1_114600353_r	0	NM_198459
## 5933	NM_198459_intron_8_0_chr1_114601586_r	0	NM_198459
## 5934	NM_198459_intron_5_0_chr1_114608874_r	0	NM_198459
## 5935	NM_198459_intron_3_0_chr1_114618483_r	0	NM_198459
## 5936	NM_198459_intron_2_0_chr1_114623100_r	0	NM_198459
## 5937	NM_198459_intron_1_0_chr1_114623644_r	0	NM_198459
## 5938	NM_198459_intron_0_0_chr1_114626189_r	0	NM_198459
## 5939	NM_001256404_intron_6_0_chr1_114618483_r	0	NM_001256404
## 5940	NM_001256404_intron_5_0_chr1_114622066_r	0	NM_001256404
## 5941	NM_001256404_intron_2_0_chr1_114626189_r	0	NM_001256404
## 5942	NM_001256404_intron_1_0_chr1_114645560_r	0	NM_001256404
## 5943	NM_001256404_intron_0_0_chr1_114654762_r	0	NM_001256404
## 5944	NM_000549_intron_0_0_chr1_115029861_f	0	NM_000549
## 5945	NM_000549_intron_1_0_chr1_115033525_f	0	NM_000549
## 5946	NM_002506_intron_1_0_chr1_115286808_r	0	NM_002506
## 5947	NM_002506_intron_0_0_chr1_115293751_r	0	NM_002506
## 5948	NM_001172412_intron_0_0_chr1_115642707_f	0	NM_001172412
## 5949	NM_001172411_intron_2_0_chr1_115659768_f	0	NM_001172411
## 5950	NM_001111061_intron_0_0_chr1_115838381_r	0	NM_001111061
## 5951	NM_005599_intron_0_0_chr1_115840545_r	0	NM_005599
## 5952	NR_125969_intron_0_0_chr1_115919560_f	0	NR_125969
## 5953	NR_125969_intron_1_0_chr1_115922446_f	0	NR_125969

## 5954	NR_125970_intron_3_0_chr1_115922613_r	0	NR_125970
## 5955	NR_125970_intron_2_0_chr1_115924153_r	0	NR_125970
## 5956	NR_125970_intron_1_0_chr1_115925011_r	0	NR_125970
## 5957	NR_125970_intron_0_0_chr1_115959591_r	0	NR_125970
## 5958	NR_027646_intron_1_0_chr1_116393027_r	0	NR_027646
## 5959	NR_027646_intron_0_0_chr1_116401132_r	0	NR_027646
## 5960	NR_027645_intron_1_0_chr1_116399315_r	0	NR_027645
## 5961	NR_024125_intron_1_0_chr1_116406149_r	0	NR_024125
## 5962	NR_024125_intron_0_0_chr1_116407196_r	0	NR_024125
## 5963	NR_024126_intron_1_0_chr1_116406149_r	0	NR_024126
## 5964	NR_024126_intron_0_0_chr1_116411316_r	0	NR_024126
## 5965	NR_125972_intron_2_0_chr1_116423916_r	0	NR_125972
## 5966	NR_125972_intron_1_0_chr1_116428495_r	0	NR_125972
## 5967	NR_125972_intron_0_0_chr1_116478173_r	0	NR_125972
## 5968	NR_125973_intron_2_0_chr1_116453169_r	0	NR_125973
## 5969	NR_125973_intron_1_0_chr1_116455216_r	0	NR_125973
## 5970	NR_125973_intron_0_0_chr1_116474339_r	0	NR_125973
## 5971	NM_001328609_intron_2_0_chr1_116760633_f	0	NM_001328609
## 5972	NR_149353_intron_0_0_chr1_116694198_f	0	NR_149353
## 5973	NR_149353_intron_1_0_chr1_116694856_f	0	NR_149353
## 5974	NR_149353_intron_2_0_chr1_116706005_f	0	NR_149353
## 5975	NM_001256111_intron_1_0_chr1_117010231_f	0	NM_001256111
## 5976	NR_121626_intron_1_0_chr1_117596995_r	0	NR_121626
## 5977	NR_121626_intron_0_0_chr1_117604937_r	0	NR_121626
## 5978	NR_135034_intron_0_0_chr1_119000891_r	0	NR_135034
## 5979	NR_135035_intron_0_0_chr1_119000894_r	0	NR_135035
## 5980	NM_001330677_intron_6_0_chr1_118885517_r	0	NM_001330677
## 5981	NM_001330677_intron_5_0_chr1_118899126_r	0	NM_001330677
## 5982	NM_001330677_intron_4_0_chr1_118914180_r	0	NM_001330677
## 5983	NM_001330677_intron_3_0_chr1_118923604_r	0	NM_001330677
## 5984	NM_001330677_intron_2_0_chr1_118924818_r	0	NM_001330677
## 5985	NM_001330677_intron_1_0_chr1_118926612_r	0	NM_001330677
## 5986	NM_001330677_intron_0_0_chr1_118931833_r	0	NM_001330677
## 5987	NM_152380_intron_0_0_chr1_118931833_r	0	NM_152380
## 5988	NR_126447_intron_0_0_chr1_119047533_f	0	NR_126447
## 5989	NM_001378231_intron_2_0_chr1_119034214_r	0	NM_001378231
## 5990	NM_001378229_intron_0_0_chr1_119045663_r	0	NM_001378229
## 5991	NM_001378230_intron_1_0_chr1_119076608_r	0	NM_001378230
## 5992	NM_201263_intron_4_0_chr1_119033389_r	0	NM_201263
## 5993	NM_001378227_intron_1_0_chr1_119124684_r	0	NM_001378227
## 5994	NR_146623_intron_0_0_chr1_119328288_f	0	NR_146623
## 5995	NR_146623_intron_1_0_chr1_119328790_f	0	NR_146623
## 5996	NR_146623_intron_2_0_chr1_119354534_f	0	NR_146623
## 5997	NR_046780_intron_0_0_chr1_119369009_f	0	NR_046780
## 5998	NM_001377472_intron_0_0_chr1_119368903_f	0	NM_001377472
## 5999	NM_001377472_intron_1_0_chr1_119380724_f	0	NM_001377472
## 6000	NM_001377472_intron_2_0_chr1_119381217_f	0	NM_001377472
## 6001	NM_001377472_intron_3_0_chr1_119383067_f	0	NM_001377472
## 6002	NM_001377472_intron_4_0_chr1_119385054_f	0	NM_001377472
## 6003	NM_001377472_intron_5_0_chr1_119392269_f	0	NM_001377472
## 6004	NM_001377472_intron_6_0_chr1_119392688_f	0	NM_001377472
## 6005	NM_016527_intron_0_0_chr1_119368903_f	0	NM_016527
## 6006	NM_016527_intron_3_0_chr1_119385054_f	0	NM_016527
## 6007	NM_016527_intron_4_0_chr1_119386832_f	0	NM_016527

## 6008	NM_000198_intron_0_0_chr1_119415203_f	0	NM_000198
## 6009	NM_000198_intron_1_0_chr1_119415562_f	0	NM_000198
## 6010	NM_000198_intron_2_0_chr1_119419583_f	0	NM_000198
## 6011	NM_001328615_intron_0_0_chr1_119507213_f	0	NM_001328615
## 6012	NM_001328615_intron_1_0_chr1_119507622_f	0	NM_001328615
## 6013	NM_001328615_intron_2_0_chr1_119511668_f	0	NM_001328615
## 6014	NM_000862_intron_0_0_chr1_119507263_f	0	NM_000862
## 6015	NM_001166120_intron_0_0_chr1_119415091_f	0	NM_001166120
## 6016	NM_001080470_intron_0_0_chr1_119626138_r	0	NM_001080470
## 6017	NM_005518_intron_8_0_chr1_119748842_r	0	NM_005518
## 6018	NM_005518_intron_7_0_chr1_119750909_r	0	NM_005518
## 6019	NM_005518_intron_6_0_chr1_119752675_r	0	NM_005518
## 6020	NM_005518_intron_5_0_chr1_119753387_r	0	NM_005518
## 6021	NM_005518_intron_4_0_chr1_119755598_r	0	NM_005518
## 6022	NM_005518_intron_3_0_chr1_119757439_r	0	NM_005518
## 6023	NM_005518_intron_2_0_chr1_119759283_r	0	NM_005518
## 6024	NM_005518_intron_1_0_chr1_119759990_r	0	NM_005518
## 6025	NM_005518_intron_0_0_chr1_119764627_r	0	NM_005518
## 6026	NM_001166107_intron_1_0_chr1_119759283_r	0	NM_001166107
## 6027	NM_001047980_intron_6_0_chr1_119834905_r	0	NM_001047980
## 6028	NM_001047980_intron_5_0_chr1_119836209_r	0	NM_001047980
## 6029	NM_001047980_intron_4_0_chr1_119837360_r	0	NM_001047980
## 6030	NM_001047980_intron_3_0_chr1_119839396_r	0	NM_001047980
## 6031	NM_001047980_intron_2_0_chr1_119840330_r	0	NM_001047980
## 6032	NM_001047980_intron_1_0_chr1_119841601_r	0	NM_001047980
## 6033	NM_001047980_intron_0_0_chr1_119842536_r	0	NM_001047980
## 6034	NR_168400_intron_0_0_chr1_120558917_f	0	NR_168400
## 6035	NM_001351372_intron_17_0_chr1_120827227_f	0	NM_001351372
## 6036	NM_001351372_intron_18_0_chr1_120829045_f	0	NM_001351372
## 6037	NM_001351372_intron_20_0_chr1_120831350_f	0	NM_001351372
## 6038	NM_001351372_intron_23_0_chr1_120833776_f	0	NM_001351372
## 6039	NR_024584_intron_0_0_chr1_120912325_f	0	NR_024584
## 6040	NR_160532_intron_0_0_chr1_120963768_f	0	NR_160532
## 6041	NR_160532_intron_1_0_chr1_120966518_f	0	NR_160532
## 6042	NR_160533_intron_3_0_chr1_120972911_f	0	NR_160533
## 6043	NR_160534_intron_0_0_chr1_120963768_f	0	NR_160534
## 6044	NR_158169_intron_0_0_chr1_121092769_r	0	NR_158169
## 6045	NR_135813_intron_1_0_chr1_120985867_r	0	NR_135813
## 6046	NM_001320149_intron_0_0_chr1_121181349_r	0	NM_001320149
## 6047	NR_003955_intron_0_0_chr1_121519460_f	0	NR_003955
## 6048	NR_027354_intron_2_0_chr1_143400689_r	0	NR_027354
## 6049	NR_027354_intron_0_0_chr1_143420208_r	0	NR_027354
## 6050	NR_027355_intron_2_0_chr1_143401781_r	0	NR_027355
## 6051	NR_027355_intron_0_0_chr1_143420208_r	0	NR_027355
## 6052	NR_027356_intron_1_0_chr1_143401781_r	0	NR_027356
## 6053	NR_160528_intron_0_0_chr1_143745001_f	0	NR_160528
## 6054	NR_160528_intron_1_0_chr1_143745427_f	0	NR_160528
## 6055	NR_160528_intron_3_0_chr1_143750636_f	0	NR_160528
## 6056	NR_160529_intron_3_0_chr1_143750636_f	0	NR_160529
## 6057	NR_160531_intron_3_0_chr1_143750636_f	0	NR_160531
## 6058	NR_145442_intron_0_0_chr1_143794405_f	0	NR_145442
## 6059	NR_160915_intron_0_0_chr1_143848070_r	0	NR_160915
## 6060	NR_160914_intron_1_0_chr1_143875310_r	0	NR_160914
## 6061	NR_160914_intron_0_0_chr1_143880210_r	0	NR_160914

## 6062	NR_160913_intron_0_0_chr1_143875310_r	0	NR_160913
## 6063	NR_144349_intron_0_0_chr1_143969002_r	0	NR_144349
## 6064	NM_001346068_intron_2_0_chr1_143963457_r	0	NM_001346068
## 6065	NM_001346067_intron_1_0_chr1_143969002_r	0	NM_001346067
## 6066	NM_001346067_intron_0_0_chr1_143973178_r	0	NM_001346067
## 6067	NM_001346071_intron_1_0_chr1_143956482_r	0	NM_001346071
## 6068	NM_001346070_intron_0_0_chr1_143971122_r	0	NM_001346070
## 6069	NR_027354_intron_2_0_chr1_144226288_r	0	NR_027354
## 6070	NR_027354_intron_0_0_chr1_144245821_r	0	NR_027354
## 6071	NR_027355_intron_0_0_chr1_144245821_r	0	NR_027355
## 6072	NR_027356_intron_1_0_chr1_144227380_r	0	NR_027356
## 6073	NR_136328_intron_8_0_chr1_144276585_r	0	NR_136328
## 6074	NR_136328_intron_7_0_chr1_144287076_r	0	NR_136328
## 6075	NR_136328_intron_6_0_chr1_144288408_r	0	NR_136328
## 6076	NR_136328_intron_5_0_chr1_144289026_r	0	NR_136328
## 6077	NR_136328_intron_4_0_chr1_144290134_r	0	NR_136328
## 6078	NR_136328_intron_3_0_chr1_144290532_r	0	NR_136328
## 6079	NR_136328_intron_2_0_chr1_144296349_r	0	NR_136328
## 6080	NR_136328_intron_1_0_chr1_144296643_r	0	NR_136328
## 6081	NR_136328_intron_0_0_chr1_144302292_r	0	NR_136328
## 6082	NR_160535_intron_0_0_chr1_144313062_r	0	NR_160535
## 6083	NR_136328_intron_0_0_chr1_144663888_f	0	NR_136328
## 6084	NR_136328_intron_1_0_chr1_144664204_f	0	NR_136328
## 6085	NR_136328_intron_2_0_chr1_144669838_f	0	NR_136328
## 6086	NR_136328_intron_3_0_chr1_144670135_f	0	NR_136328
## 6087	NR_136328_intron_4_0_chr1_144676011_f	0	NR_136328
## 6088	NR_136328_intron_5_0_chr1_144676371_f	0	NR_136328
## 6089	NR_136328_intron_6_0_chr1_144677462_f	0	NR_136328
## 6090	NR_136328_intron_7_0_chr1_144678023_f	0	NR_136328
## 6091	NR_136328_intron_8_0_chr1_144679515_f	0	NR_136328
## 6092	NR_160535_intron_0_0_chr1_144652681_f	0	NR_160535
## 6093	NR_027355_intron_0_0_chr1_144716152_f	0	NR_027355
## 6094	NR_027355_intron_2_0_chr1_144721139_f	0	NR_027355
## 6095	NR_027356_intron_1_0_chr1_144720691_f	0	NR_027356
## 6096	NR_027354_intron_0_0_chr1_144718344_f	0	NR_027354
## 6097	NR_027354_intron_2_0_chr1_144721139_f	0	NR_027354
## 6098	NR_111954_intron_1_0_chr1_145169616_r	0	NR_111954
## 6099	NR_156690_intron_2_0_chr1_145164639_r	0	NR_156690
## 6100	NR_156691_intron_2_0_chr1_145169662_r	0	NR_156691
## 6101	NR_111956_intron_0_0_chr1_145169616_r	0	NR_111956
## 6102	NR_104217_intron_18_0_chr1_145572934_r	0	NR_104217
## 6103	NR_104217_intron_17_0_chr1_145574209_r	0	NR_104217
## 6104	NR_104217_intron_16_0_chr1_145574933_r	0	NR_104217
## 6105	NR_104217_intron_15_0_chr1_145575820_r	0	NR_104217
## 6106	NR_104217_intron_11_0_chr1_145578956_r	0	NR_104217
## 6107	NR_104217_intron_10_0_chr1_145579648_r	0	NR_104217
## 6108	NR_104217_intron_9_0_chr1_145580854_r	0	NR_104217
## 6109	NR_104217_intron_8_0_chr1_145584808_r	0	NR_104217
## 6110	NR_104217_intron_6_0_chr1_145586834_r	0	NR_104217
## 6111	NR_104217_intron_5_0_chr1_145588102_r	0	NR_104217
## 6112	NR_104217_intron_4_0_chr1_145589040_r	0	NR_104217
## 6113	NR_104217_intron_3_0_chr1_145591096_r	0	NR_104217
## 6114	NR_104217_intron_2_0_chr1_145593925_r	0	NR_104217
## 6115	NR_104217_intron_1_0_chr1_145594586_r	0	NR_104217

## 6116	NR_104217_intron_0_0_chr1_145602040_r	0	NR_104217
## 6117	NM_001371359_intron_8_0_chr1_145671125_r	0	NM_001371359
## 6118	NM_001371359_intron_7_0_chr1_145671265_r	0	NM_001371359
## 6119	NM_001371359_intron_6_0_chr1_145673021_r	0	NM_001371359
## 6120	NM_001371359_intron_5_0_chr1_145673882_r	0	NM_001371359
## 6121	NM_001371359_intron_4_0_chr1_145678646_r	0	NM_001371359
## 6122	NM_001371359_intron_3_0_chr1_145681108_r	0	NM_001371359
## 6123	NM_001371359_intron_2_0_chr1_145682637_r	0	NM_001371359
## 6124	NM_001371359_intron_1_0_chr1_145686727_r	0	NM_001371359
## 6125	NM_001371359_intron_0_0_chr1_145688024_r	0	NM_001371359
## 6126	NM_007053_intron_1_0_chr1_145724907_f	0	NM_007053
## 6127	NM_002614_intron_8_0_chr1_145671490_r	0	NM_002614
## 6128	NM_002614_intron_1_0_chr1_145688024_r	0	NM_002614
## 6129	NM_002614_intron_0_0_chr1_145691803_r	0	NM_002614
## 6130	NM_001201326_intron_2_0_chr1_145678646_r	0	NM_001201326
## 6131	NM_001371361_intron_2_0_chr1_145681108_r	0	NM_001371361
## 6132	NR_103845_intron_1_0_chr1_145724907_f	0	NR_103845
## 6133	NM_001303456_intron_0_0_chr1_145824548_f	0	NM_001303456
## 6134	NR_002328_intron_0_0_chr1_145919901_f	0	NR_002328
## 6135	NR_002328_intron_1_0_chr1_145924366_f	0	NR_002328
## 6136	NR_104034_intron_0_0_chr1_145919420_f	0	NR_104034
## 6137	NR_104034_intron_1_0_chr1_145919901_f	0	NR_104034
## 6138	NR_147182_intron_0_0_chr1_145926947_f	0	NR_147182
## 6139	NR_147182_intron_1_0_chr1_145927470_f	0	NR_147182
## 6140	NM_001184795_intron_0_0_chr1_145917817_r	0	NM_001184795
## 6141	NM_003637_intron_23_0_chr1_145896097_r	0	NM_003637
## 6142	NM_003637_intron_22_0_chr1_145896353_r	0	NM_003637
## 6143	NM_003637_intron_8_0_chr1_145902320_r	0	NM_003637
## 6144	NM_003637_intron_7_0_chr1_145902620_r	0	NM_003637
## 6145	NM_003637_intron_6_0_chr1_145902962_r	0	NM_003637
## 6146	NM_003637_intron_5_0_chr1_145904201_r	0	NM_003637
## 6147	NM_003637_intron_4_0_chr1_145904812_r	0	NM_003637
## 6148	NM_003637_intron_3_0_chr1_145906509_r	0	NM_003637
## 6149	NM_003637_intron_2_0_chr1_145906825_r	0	NM_003637
## 6150	NM_003637_intron_1_0_chr1_145907151_r	0	NM_003637
## 6151	NM_003637_intron_0_0_chr1_145907466_r	0	NM_003637
## 6152	NM_001303040_intron_1_0_chr1_145904812_r	0	NM_001303040
## 6153	NM_001039888_intron_0_0_chr1_145963538_r	0	NM_001039888
## 6154	NM_001303041_intron_0_0_chr1_145904812_r	0	NM_001303041
## 6155	NR_073493_intron_0_0_chr1_145917817_r	0	NR_073493
## 6156	NR_073492_intron_0_0_chr1_145917807_r	0	NR_073492
## 6157	NR_125967_intron_0_0_chr1_146052949_f	0	NR_125967
## 6158	NR_125967_intron_1_0_chr1_146057989_f	0	NR_125967
## 6159	NR_125967_intron_2_0_chr1_146058462_f	0	NR_125967
## 6160	NR_125968_intron_0_0_chr1_146052949_f	0	NR_125968
## 6161	NM_213653_intron_2_0_chr1_146018701_r	0	NM_213653
## 6162	NM_213653_intron_1_0_chr1_146019735_r	0	NM_213653
## 6163	NM_213653_intron_0_0_chr1_146020321_r	0	NM_213653
## 6164	NM_213652_intron_0_0_chr1_146018701_r	0	NM_213652
## 6165	NM_001316767_intron_2_0_chr1_146018701_r	0	NM_001316767
## 6166	NM_145277_intron_0_0_chr1_146019735_r	0	NM_145277
## 6167	NM_001039703_intron_82_0_chr1_146068176_r	0	NM_001039703
## 6168	NM_001039703_intron_80_0_chr1_146069716_r	0	NM_001039703
## 6169	NM_001039703_intron_78_0_chr1_146071320_r	0	NM_001039703

## 6170	NM_001039703_intron_74_0_chr1_146074444_r	0 NM_001039703
## 6171	NM_001039703_intron_72_0_chr1_146079180_r	0 NM_001039703
## 6172	NM_001039703_intron_70_0_chr1_146080778_r	0 NM_001039703
## 6173	NM_001039703_intron_66_0_chr1_146083910_r	0 NM_001039703
## 6174	NM_001039703_intron_64_0_chr1_146085514_r	0 NM_001039703
## 6175	NM_001039703_intron_63_0_chr1_146086216_r	0 NM_001039703
## 6176	NM_001039703_intron_60_0_chr1_146088637_r	0 NM_001039703
## 6177	NM_001039703_intron_58_0_chr1_146090235_r	0 NM_001039703
## 6178	NM_001039703_intron_54_0_chr1_146093355_r	0 NM_001039703
## 6179	NM_001039703_intron_52_0_chr1_146094953_r	0 NM_001039703
## 6180	NM_001039703_intron_50_0_chr1_146096537_r	0 NM_001039703
## 6181	NM_001039703_intron_48_0_chr1_146098077_r	0 NM_001039703
## 6182	NM_001039703_intron_47_0_chr1_146098788_r	0 NM_001039703
## 6183	NM_001039703_intron_46_0_chr1_146099675_r	0 NM_001039703
## 6184	NM_001039703_intron_42_0_chr1_146102799_r	0 NM_001039703
## 6185	NM_001039703_intron_40_0_chr1_146104397_r	0 NM_001039703
## 6186	NM_001039703_intron_38_0_chr1_146105977_r	0 NM_001039703
## 6187	NM_001039703_intron_37_0_chr1_146106625_r	0 NM_001039703
## 6188	NM_001039703_intron_36_0_chr1_146107517_r	0 NM_001039703
## 6189	NM_001039703_intron_35_0_chr1_146108228_r	0 NM_001039703
## 6190	NM_001039703_intron_34_0_chr1_146109115_r	0 NM_001039703
## 6191	NM_001039703_intron_30_0_chr1_146112227_r	0 NM_001039703
## 6192	NM_001039703_intron_26_0_chr1_146115403_r	0 NM_001039703
## 6193	NM_001039703_intron_24_0_chr1_146116945_r	0 NM_001039703
## 6194	NM_001039703_intron_22_0_chr1_146118543_r	0 NM_001039703
## 6195	NM_001039703_intron_16_0_chr1_146123279_r	0 NM_001039703
## 6196	NM_001039703_intron_15_0_chr1_146123979_r	0 NM_001039703
## 6197	NM_001039703_intron_12_0_chr1_146126409_r	0 NM_001039703
## 6198	NM_001302371_intron_78_0_chr1_146074444_r	0 NM_001302371
## 6199	NM_001302371_intron_76_0_chr1_146076042_r	0 NM_001302371
## 6200	NM_001302371_intron_75_0_chr1_146076758_r	0 NM_001302371
## 6201	NM_001379352_intron_0_0_chr1_146020339_r	0 NM_001379352
## 6202	NR_103466_intron_4_0_chr1_147099894_r	0 NR_103466
## 6203	NR_103466_intron_3_0_chr1_147101670_r	0 NR_103466
## 6204	NR_103466_intron_2_0_chr1_147110035_r	0 NR_103466
## 6205	NR_103466_intron_1_0_chr1_147110848_r	0 NR_103466
## 6206	NR_103466_intron_0_0_chr1_147113613_r	0 NR_103466
## 6207	NR_103870_intron_2_0_chr1_147162574_r	0 NR_103870
## 6208	NM_001348463_intron_0_0_chr1_147242831_f	0 NM_001348463
## 6209	NM_001348454_intron_0_0_chr1_147242831_f	0 NM_001348454
## 6210	NM_001348455_intron_3_0_chr1_147255928_f	0 NM_001348455
## 6211	NM_024568_intron_1_0_chr1_147252736_f	0 NM_024568
## 6212	NM_001348456_intron_0_0_chr1_147242831_f	0 NM_001348456
## 6213	NR_145694_intron_10_0_chr1_147272282_f	0 NR_145694
## 6214	NR_145693_intron_1_0_chr1_147252736_f	0 NR_145693
## 6215	NR_145687_intron_0_0_chr1_147242831_f	0 NR_145687
## 6216	NM_181703_intron_0_0_chr1_147759272_r	0 NM_181703
## 6217	NM_005266_intron_0_0_chr1_147759272_r	0 NM_005266
## 6218	NM_005267_intron_0_0_chr1_147902862_f	0 NM_005267
## 6219	NR_111936_intron_8_0_chr1_147994355_r	0 NR_111936
## 6220	NR_111936_intron_7_0_chr1_147995887_r	0 NR_111936
## 6221	NR_111936_intron_6_0_chr1_147996748_r	0 NR_111936
## 6222	NR_111936_intron_5_0_chr1_148001516_r	0 NR_111936
## 6223	NR_111936_intron_4_0_chr1_148003983_r	0 NR_111936

## 6224	NR_111936_intron_3_0_chr1_148005510_r	0	NR_111936
## 6225	NR_111936_intron_2_0_chr1_148009593_r	0	NR_111936
## 6226	NR_111936_intron_1_0_chr1_148010269_r	0	NR_111936
## 6227	NR_111936_intron_0_0_chr1_148010620_r	0	NR_111936
## 6228	NR_146087_intron_0_0_chr1_148049465_f	0	NR_146087
## 6229	NR_146087_intron_1_0_chr1_148080754_f	0	NR_146087
## 6230	NR_146087_intron_2_0_chr1_148081762_f	0	NR_146087
## 6231	NR_146087_intron_3_0_chr1_148082391_f	0	NR_146087
## 6232	NR_146087_intron_4_0_chr1_148090501_f	0	NR_146087
## 6233	NR_146087_intron_5_0_chr1_148091722_f	0	NR_146087
## 6234	NR_135559_intron_0_0_chr1_148162993_f	0	NR_135559
## 6235	NR_168364_intron_1_0_chr1_148420608_f	0	NR_168364
## 6236	NR_168364_intron_2_0_chr1_148422195_f	0	NR_168364
## 6237	NR_027468_intron_3_0_chr1_148434240_r	0	NR_027468
## 6238	NR_168361_intron_1_0_chr1_148420608_f	0	NR_168361
## 6239	NR_168362_intron_1_0_chr1_148420608_f	0	NR_168362
## 6240	NR_168362_intron_3_0_chr1_148427993_f	0	NR_168362
## 6241	NR_168363_intron_1_0_chr1_148420608_f	0	NR_168363
## 6242	NR_168369_intron_0_0_chr1_148414997_f	0	NR_168369
## 6243	NR_168369_intron_1_0_chr1_148420608_f	0	NR_168369
## 6244	NR_168369_intron_3_0_chr1_148424679_f	0	NR_168369
## 6245	NR_168366_intron_0_0_chr1_148414997_f	0	NR_168366
## 6246	NR_168366_intron_1_0_chr1_148417766_f	0	NR_168366
## 6247	NR_168366_intron_3_0_chr1_148424157_f	0	NR_168366
## 6248	NR_168368_intron_2_0_chr1_148422195_f	0	NR_168368
## 6249	NR_168368_intron_4_0_chr1_148424639_f	0	NR_168368
## 6250	NM_015383_intron_60_0_chr1_148536397_r	0	NM_015383
## 6251	NM_015383_intron_58_0_chr1_148538007_r	0	NM_015383
## 6252	NM_015383_intron_57_0_chr1_148538701_r	0	NM_015383
## 6253	NM_015383_intron_54_0_chr1_148541123_r	0	NM_015383
## 6254	NM_015383_intron_52_0_chr1_148542727_r	0	NM_015383
## 6255	NM_015383_intron_51_0_chr1_148543415_r	0	NM_015383
## 6256	NM_015383_intron_48_0_chr1_148545837_r	0	NM_015383
## 6257	NM_015383_intron_46_0_chr1_148547441_r	0	NM_015383
## 6258	NM_015383_intron_42_0_chr1_148550545_r	0	NM_015383
## 6259	NM_015383_intron_41_0_chr1_148551262_r	0	NM_015383
## 6260	NM_015383_intron_40_0_chr1_148552149_r	0	NM_015383
## 6261	NM_015383_intron_39_0_chr1_148552831_r	0	NM_015383
## 6262	NM_015383_intron_36_0_chr1_148555253_r	0	NM_015383
## 6263	NM_015383_intron_30_0_chr1_148559966_r	0	NM_015383
## 6264	NM_015383_intron_29_0_chr1_148560693_r	0	NM_015383
## 6265	NM_015383_intron_28_0_chr1_148561580_r	0	NM_015383
## 6266	NM_015383_intron_24_0_chr1_148564712_r	0	NM_015383
## 6267	NM_015383_intron_23_0_chr1_148565429_r	0	NM_015383
## 6268	NM_015383_intron_21_0_chr1_148567004_r	0	NM_015383
## 6269	NM_015383_intron_20_0_chr1_148567886_r	0	NM_015383
## 6270	NM_015383_intron_18_0_chr1_148569428_r	0	NM_015383
## 6271	NM_015383_intron_17_0_chr1_148573339_r	0	NM_015383
## 6272	NM_015383_intron_12_0_chr1_148577356_r	0	NM_015383
## 6273	NM_001037675_intron_18_0_chr1_149056621_r	0	NM_001037675
## 6274	NM_001037675_intron_17_0_chr1_149060696_r	0	NM_001037675
## 6275	NM_001037675_intron_15_0_chr1_149062266_r	0	NM_001037675
## 6276	NM_001037675_intron_13_0_chr1_149063806_r	0	NM_001037675
## 6277	NM_001037675_intron_5_0_chr1_149075865_r	0	NM_001037675

## 6278	NM_001277444_intron_21_0_chr1_149057508_r	0 NM_001277444
## 6279	NM_001277444_intron_19_0_chr1_149059098_r	0 NM_001277444
## 6280	NM_001277444_intron_18_0_chr1_149059809_r	0 NM_001277444
## 6281	NR_158171_intron_0_0_chr1_149338401_f	0 NR_158171
## 6282	NR_111950_intron_1_0_chr1_149647065_f	0 NR_111950
## 6283	NR_111950_intron_6_0_chr1_149665134_f	0 NR_111950
## 6284	NR_111950_intron_7_0_chr1_149669311_f	0 NR_111950
## 6285	NM_001161334_intron_0_0_chr1_149783261_r	0 NM_001161334
## 6286	NR_145442_intron_0_0_chr1_149703014_f	0 NR_145442
## 6287	NM_001378805_intron_0_0_chr1_149782775_f	0 NM_001378805
## 6288	NM_001378808_intron_2_0_chr1_149784258_f	0 NM_001378808
## 6289	NR_111933_intron_0_0_chr1_149702871_f	0 NR_111933
## 6290	NR_166123_intron_5_0_chr1_149791631_f	0 NR_166123
## 6291	NR_166123_intron_6_0_chr1_149797521_f	0 NR_166123
## 6292	NR_166121_intron_3_0_chr1_149788618_f	0 NR_166121
## 6293	NM_181873_intron_15_0_chr1_149928902_r	0 NM_181873
## 6294	NM_181873_intron_10_0_chr1_149931427_r	0 NM_181873
## 6295	NM_181873_intron_9_0_chr1_149932015_r	0 NM_181873
## 6296	NM_181873_intron_8_0_chr1_149932331_r	0 NM_181873
## 6297	NM_181873_intron_7_0_chr1_149933531_r	0 NM_181873
## 6298	NM_181873_intron_6_0_chr1_149933699_r	0 NM_181873
## 6299	NM_181873_intron_5_0_chr1_149933943_r	0 NM_181873
## 6300	NM_181873_intron_4_0_chr1_149934327_r	0 NM_181873
## 6301	NM_181873_intron_3_0_chr1_149934527_r	0 NM_181873
## 6302	NM_181873_intron_2_0_chr1_149935129_r	0 NM_181873
## 6303	NM_181873_intron_1_0_chr1_149935360_r	0 NM_181873
## 6304	NM_181873_intron_0_0_chr1_149935621_r	0 NM_181873
## 6305	NR_168447_intron_0_0_chr1_149833115_f	0 NR_168447
## 6306	NR_168447_intron_0_0_chr1_149854218_r	0 NR_168447
## 6307	NR_168446_intron_0_0_chr1_149833115_f	0 NR_168446
## 6308	NM_001145862_intron_1_0_chr1_149935706_r	0 NM_001145862
## 6309	NM_001145862_intron_0_0_chr1_149936230_r	0 NM_001145862
## 6310	NM_001328675_intron_0_0_chr1_149913970_r	0 NM_001328675
## 6311	NR_135098_intron_1_0_chr1_150164303_f	0 NR_135098
## 6312	NR_135098_intron_2_0_chr1_150173815_f	0 NR_135098
## 6313	NM_001300841_intron_0_0_chr1_150282824_f	0 NM_001300841
## 6314	NM_001280559_intron_5_0_chr1_150220759_r	0 NM_001280559
## 6315	NM_001300838_intron_0_0_chr1_150282619_f	0 NM_001300838
## 6316	NM_012113_intron_0_0_chr1_150258184_f	0 NM_012113
## 6317	NM_012113_intron_1_0_chr1_150260172_f	0 NM_012113
## 6318	NM_012113_intron_2_0_chr1_150261639_f	0 NM_012113
## 6319	NM_012113_intron_3_0_chr1_150262301_f	0 NM_012113
## 6320	NM_012113_intron_4_0_chr1_150262621_f	0 NM_012113
## 6321	NM_012113_intron_5_0_chr1_150262871_f	0 NM_012113
## 6322	NM_012113_intron_6_0_chr1_150263200_f	0 NM_012113
## 6323	NM_012113_intron_7_0_chr1_150263420_f	0 NM_012113
## 6324	NM_012113_intron_8_0_chr1_150263680_f	0 NM_012113
## 6325	NM_012113_intron_9_0_chr1_150263879_f	0 NM_012113
## 6326	NR_104133_intron_2_0_chr1_150561223_r	0 NR_104133
## 6327	NR_104133_intron_1_0_chr1_150563218_r	0 NR_104133
## 6328	NR_104133_intron_0_0_chr1_150573822_r	0 NR_104133
## 6329	NM_001288607_intron_11_0_chr1_150556977_f	0 NM_001288607
## 6330	NM_001202858_intron_2_0_chr1_150509757_f	0 NM_001202858
## 6331	NM_001378596_intron_0_0_chr1_150549500_f	0 NM_001378596

## 6332	NM_001197320_intron_0_0_chr1_150578964_r	0 NM_001197320
## 6333	NR_073513_intron_2_0_chr1_150488989_f	0 NR_073513
## 6334	NR_073513_intron_3_0_chr1_150490726_f	0 NR_073513
## 6335	NR_051960_intron_0_0_chr1_150516063_f	0 NR_051960
## 6336	NM_001271896_intron_4_0_chr1_150491512_f	0 NM_001271896
## 6337	NM_032132_intron_5_0_chr1_150711572_r	0 NM_032132
## 6338	NM_032132_intron_3_0_chr1_150714122_r	0 NM_032132
## 6339	NM_032132_intron_2_0_chr1_150714679_r	0 NM_032132
## 6340	NM_032132_intron_0_0_chr1_150719539_r	0 NM_032132
## 6341	NM_001199829_intron_4_0_chr1_150711572_r	0 NM_001199829
## 6342	NM_001384189_intron_0_0_chr1_150887314_f	0 NM_001384189
## 6343	NM_001376664_intron_4_0_chr1_150999968_r	0 NM_001376664
## 6344	NM_001323907_intron_2_0_chr1_151088518_f	0 NM_001323907
## 6345	NM_001159642_intron_0_0_chr1_151036767_f	0 NM_001159642
## 6346	NM_001159642_intron_1_0_chr1_151037663_f	0 NM_001159642
## 6347	NM_001159642_intron_2_0_chr1_151038569_f	0 NM_001159642
## 6348	NM_001159642_intron_3_0_chr1_151039027_f	0 NM_001159642
## 6349	NM_001159642_intron_5_0_chr1_151043435_f	0 NM_001159642
## 6350	NM_001159642_intron_6_0_chr1_151043728_f	0 NM_001159642
## 6351	NM_001159642_intron_7_0_chr1_151045884_f	0 NM_001159642
## 6352	NM_001159642_intron_8_0_chr1_151046166_f	0 NM_001159642
## 6353	NM_001319998_intron_0_0_chr1_151007620_r	0 NM_001319998
## 6354	NM_001303243_intron_2_0_chr1_151018670_f	0 NM_001303243
## 6355	NM_001163258_intron_1_0_chr1_151002707_r	0 NM_001163258
## 6356	NM_001163258_intron_0_0_chr1_151006248_r	0 NM_001163258
## 6357	NM_001163259_intron_0_0_chr1_151002401_r	0 NM_001163259
## 6358	NM_001163260_intron_0_0_chr1_151002312_r	0 NM_001163260
## 6359	NM_018379_intron_0_0_chr1_151006798_r	0 NM_018379
## 6360	NM_001323906_intron_8_0_chr1_151118140_f	0 NM_001323906
## 6361	NM_138278_intron_0_0_chr1_151036767_f	0 NM_138278
## 6362	NR_130130_intron_0_0_chr1_151008672_f	0 NR_130130
## 6363	NM_030913_intron_0_0_chr1_151144435_r	0 NM_030913
## 6364	NM_001178062_intron_17_0_chr1_151133518_r	0 NM_001178062
## 6365	NM_001178062_intron_16_0_chr1_151134056_r	0 NM_001178062
## 6366	NM_001178062_intron_7_0_chr1_151137800_r	0 NM_001178062
## 6367	NM_013353_intron_6_0_chr1_151171064_r	0 NM_013353
## 6368	NM_013353_intron_0_0_chr1_151174918_r	0 NM_013353
## 6369	NM_001271088_intron_4_0_chr1_151176898_r	0 NM_001271088
## 6370	NM_001379418_intron_0_0_chr1_151346607_r	0 NM_001379418
## 6371	NM_145796_intron_2_0_chr1_151428414_r	0 NM_145796
## 6372	NM_001301317_intron_0_0_chr1_151540427_f	0 NM_001301317
## 6373	NM_001301317_intron_1_0_chr1_151561857_f	0 NM_001301317
## 6374	NM_001172649_intron_10_0_chr1_151703449_r	0 NM_001172649
## 6375	NM_001172649_intron_9_0_chr1_151705169_r	0 NM_001172649
## 6376	NM_001172649_intron_8_0_chr1_151705966_r	0 NM_001172649
## 6377	NM_001172649_intron_7_0_chr1_151706362_r	0 NM_001172649
## 6378	NM_001172649_intron_6_0_chr1_151706735_r	0 NM_001172649
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## 6388	NM_001291107_intron_2_0_chr1_151709346_r	0	NM_001291107
## 6389	NM_001291106_intron_8_0_chr1_151706359_r	0	NM_001291106
## 6390	NM_001301371_intron_0_0_chr1_151763566_f	0	NM_001301371
## 6391	NR_125331_intron_1_0_chr1_151762501_r	0	NR_125331
## 6392	NM_001144956_intron_0_0_chr1_151721621_f	0	NM_001144956
## 6393	NM_001144956_intron_1_0_chr1_151722163_f	0	NM_001144956
## 6394	NM_001144956_intron_2_0_chr1_151727622_f	0	NM_001144956
## 6395	NM_001144956_intron_3_0_chr1_151728894_f	0	NM_001144956
## 6396	NM_016178_intron_0_0_chr1_151766889_f	0	NM_016178
## 6397	NR_146293_intron_0_0_chr1_151791246_f	0	NR_146293
## 6398	NR_024237_intron_0_0_chr1_151838738_f	0	NR_024237
## 6399	NR_024237_intron_1_0_chr1_151839106_f	0	NR_024237
## 6400	NR_024237_intron_2_0_chr1_151842032_f	0	NR_024237
## 6401	NR_024237_intron_3_0_chr1_151844243_f	0	NR_024237
## 6402	NR_152846_intron_0_0_chr1_151838738_f	0	NR_152846
## 6403	NM_001004432_intron_0_0_chr1_151802718_r	0	NM_001004432
## 6404	NM_001001523_intron_8_0_chr1_151807634_r	0	NM_001001523
## 6405	NM_001001523_intron_7_0_chr1_151811435_r	0	NM_001001523
## 6406	NM_001001523_intron_3_0_chr1_151814696_r	0	NM_001001523
## 6407	NM_001001523_intron_2_0_chr1_151815426_r	0	NM_001001523
## 6408	NM_001001523_intron_0_0_chr1_151817281_r	0	NM_001001523
## 6409	NM_005060_intron_1_0_chr1_151817281_r	0	NM_005060
## 6410	NM_005060_intron_0_0_chr1_151829459_r	0	NM_005060
## 6411	NM_001136003_intron_0_0_chr1_151839221_r	0	NM_001136003
## 6412	NR_103561_intron_0_0_chr1_152018529_f	0	NR_103561
## 6413	NR_103561_intron_1_0_chr1_152018838_f	0	NR_103561
## 6414	NR_103561_intron_2_0_chr1_152020340_f	0	NR_103561
## 6415	NR_103561_intron_3_0_chr1_152021385_f	0	NR_103561
## 6416	NM_001122965_intron_1_0_chr1_152156961_r	0	NM_001122965
## 6417	NM_001122965_intron_0_0_chr1_152157910_r	0	NM_001122965
## 6418	NM_001008536_intron_1_0_chr1_152087544_r	0	NM_001008536
## 6419	NM_001008536_intron_0_0_chr1_152088164_r	0	NM_001008536
## 6420	NM_007113_intron_1_0_chr1_152113079_r	0	NM_007113
## 6421	NM_007113_intron_0_0_chr1_152114112_r	0	NM_007113
## 6422	NM_001009931_intron_1_0_chr1_152221491_r	0	NM_001009931
## 6423	NM_001009931_intron_0_0_chr1_152223279_r	0	NM_001009931
## 6424	NR_103778_intron_0_0_chr1_152314039_f	0	NR_103778
## 6425	NR_103778_intron_1_0_chr1_152314958_f	0	NR_103778
## 6426	NR_103778_intron_3_0_chr1_152335440_f	0	NR_103778
## 6427	NR_103778_intron_4_0_chr1_152338090_f	0	NR_103778
## 6428	NR_103778_intron_5_0_chr1_152341211_f	0	NR_103778
## 6429	NR_103779_intron_0_0_chr1_152337095_f	0	NR_103779
## 6430	NM_001014342_intron_1_0_chr1_152357648_r	0	NM_001014342
## 6431	NM_001014342_intron_0_0_chr1_152358907_r	0	NM_001014342
## 6432	NM_016190_intron_1_0_chr1_152410944_r	0	NM_016190
## 6433	NM_016190_intron_0_0_chr1_152412247_r	0	NM_016190
## 6434	NM_178438_intron_0_0_chr1_152510999_f	0	NM_178438
## 6435	NM_178435_intron_0_0_chr1_152566230_r	0	NM_178435
## 6436	NM_019060_intron_0_0_chr1_152514553_f	0	NM_019060
## 6437	NR_145430_intron_0_0_chr1_152655548_f	0	NR_145430
## 6438	NM_178434_intron_0_0_chr1_152600285_f	0	NM_178434
## 6439	NM_178430_intron_0_0_chr1_152663430_f	0	NM_178430

## 6440	NM_178429_intron_0_0_chr1_152675329_f	0	NM_178429
## 6441	NM_014357_intron_0_0_chr1_152686157_f	0	NM_014357
## 6442	NM_032563_intron_0_0_chr1_152579958_r	0	NM_032563
## 6443	NM_178352_intron_0_0_chr1_152796772_f	0	NM_178352
## 6444	NM_178351_intron_0_0_chr1_152805499_r	0	NM_178351
## 6445	NM_001276331_intron_1_0_chr1_152805345_r	0	NM_001276331
## 6446	NM_001025231_intron_0_0_chr1_152758060_f	0	NM_001025231
## 6447	NM_178353_intron_0_0_chr1_152786308_f	0	NM_178353
## 6448	NM_005547_intron_0_0_chr1_152908590_f	0	NM_005547
## 6449	NM_030663_intron_0_0_chr1_152878447_f	0	NM_030663
## 6450	NM_001128600_intron_0_0_chr1_152843012_f	0	NM_001128600
## 6451	NM_005988_intron_0_0_chr1_153056755_r	0	NM_005988
## 6452	NM_005987_intron_0_0_chr1_152984126_f	0	NM_005987
## 6453	NM_006945_intron_0_0_chr1_153040366_r	0	NM_006945
## 6454	NM_001017418_intron_0_0_chr1_153070859_r	0	NM_001017418
## 6455	NM_003125_intron_0_0_chr1_153031248_f	0	NM_003125
## 6456	NM_001097589_intron_0_0_chr1_153001794_f	0	NM_001097589
## 6457	NM_001199828_intron_0_0_chr1_152984126_f	0	NM_001199828
## 6458	NM_001382248_intron_0_0_chr1_153040366_r	0	NM_001382248
## 6459	NM_005416_intron_0_0_chr1_153001794_f	0	NM_005416
## 6460	NM_005416_intron_1_0_chr1_153002687_f	0	NM_005416
## 6461	NM_173080_intron_0_0_chr1_152970695_f	0	NM_173080
## 6462	NR_003062_intron_0_0_chr1_153140729_r	0	NR_003062
## 6463	NR_110685_intron_0_0_chr1_153174646_f	0	NR_110685
## 6464	NR_110685_intron_1_0_chr1_153176641_f	0	NR_110685
## 6465	NM_001195571_intron_0_0_chr1_153217620_f	0	NM_001195571
## 6466	NM_001014450_intron_0_0_chr1_153112753_r	0	NM_001014450
## 6467	NM_001010857_intron_0_0_chr1_153203532_f	0	NM_001010857
## 6468	NM_001014291_intron_0_0_chr1_153150132_r	0	NM_001014291
## 6469	NM_001024209_intron_0_0_chr1_153093771_r	0	NM_001024209
## 6470	NM_001382255_intron_0_0_chr1_153112753_r	0	NM_001382255
## 6471	NM_020393_intron_7_0_chr1_153330946_r	0	NM_020393
## 6472	NM_020393_intron_5_0_chr1_153340580_r	0	NM_020393
## 6473	NM_020393_intron_4_0_chr1_153341780_r	0	NM_020393
## 6474	NM_020393_intron_3_0_chr1_153343209_r	0	NM_020393
## 6475	NM_020393_intron_2_0_chr1_153345383_r	0	NM_020393
## 6476	NM_020393_intron_1_0_chr1_153346192_r	0	NM_020393
## 6477	NM_020393_intron_0_0_chr1_153347979_r	0	NM_020393
## 6478	NM_000427_intron_0_0_chr1_153259734_f	0	NM_000427
## 6479	NM_052891_intron_6_0_chr1_153298135_r	0	NM_052891
## 6480	NM_052891_intron_5_0_chr1_153299232_r	0	NM_052891
## 6481	NM_052891_intron_4_0_chr1_153302608_r	0	NM_052891
## 6482	NM_052891_intron_3_0_chr1_153304010_r	0	NM_052891
## 6483	NM_052891_intron_2_0_chr1_153305066_r	0	NM_052891
## 6484	NM_052891_intron_1_0_chr1_153307268_r	0	NM_052891
## 6485	NM_052891_intron_0_0_chr1_153310707_r	0	NM_052891
## 6486	NM_001319198_intron_0_0_chr1_153390558_r	0	NM_001319198
## 6487	NM_002963_intron_1_0_chr1_153457971_r	0	NM_002963
## 6488	NM_002963_intron_0_0_chr1_153459031_r	0	NM_002963
## 6489	NM_176823_intron_0_0_chr1_153416564_f	0	NM_176823
## 6490	NM_176823_intron_1_0_chr1_153418224_f	0	NM_176823
## 6491	NR_125947_intron_0_0_chr1_153545910_f	0	NR_125947
## 6492	NR_125947_intron_1_0_chr1_153549116_f	0	NR_125947
## 6493	NM_002962_intron_0_0_chr1_153541472_r	0	NM_002962

## 6494	NM_002960_intron_0_0_chr1_153548491_r	0	NM_002960
## 6495	NM_001366407_intron_0_0_chr1_153563854_r	0	NM_001366407
## 6496	NM_001366406_intron_1_0_chr1_153561592_r	0	NM_001366406
## 6497	NM_001366406_intron_0_0_chr1_153563537_r	0	NM_001366406
## 6498	NM_020672_intron_2_0_chr1_153615023_r	0	NM_020672
## 6499	NM_020672_intron_1_0_chr1_153615382_r	0	NM_020672
## 6500	NM_020672_intron_0_0_chr1_153615937_r	0	NM_020672
## 6501	NM_080388_intron_0_0_chr1_153608178_r	0	NM_080388
## 6502	NR_133645_intron_1_0_chr1_153607719_r	0	NR_133645
## 6503	NM_001024213_intron_0_0_chr1_153626534_r	0	NM_001024213
## 6504	NM_000906_intron_1_0_chr1_153680701_f	0	NM_000906
## 6505	NM_000906_intron_6_0_chr1_153683825_f	0	NM_000906
## 6506	NM_000906_intron_8_0_chr1_153685881_f	0	NM_000906
## 6507	NR_052020_intron_0_0_chr1_153658873_f	0	NR_052020
## 6508	NR_126565_intron_0_0_chr1_153794206_f	0	NR_126565
## 6509	NR_126565_intron_1_0_chr1_153795724_f	0	NR_126565
## 6510	NM_001317929_intron_8_0_chr1_153779474_f	0	NM_001317929
## 6511	NM_181715_intron_2_0_chr1_153954315_r	0	NM_181715
## 6512	NM_001272038_intron_0_0_chr1_153984782_r	0	NM_001272038
## 6513	NM_001271960_intron_0_0_chr1_153963704_r	0	NM_001271960
## 6514	NM_014856_intron_0_0_chr1_153944398_r	0	NM_014856
## 6515	NM_001255979_intron_0_0_chr1_153968311_f	0	NM_001255979
## 6516	NR_045658_intron_1_0_chr1_153968700_f	0	NR_045658
## 6517	NR_073553_intron_0_0_chr1_153984782_r	0	NR_073553
## 6518	NR_103461_intron_5_0_chr1_154170466_r	0	NR_103461
## 6519	NR_103460_intron_2_0_chr1_154187443_r	0	NR_103460
## 6520	NR_103460_intron_1_0_chr1_154191312_r	0	NR_103460
## 6521	NR_103460_intron_0_0_chr1_154191734_r	0	NR_103460
## 6522	NM_001278191_intron_0_0_chr1_154176249_r	0	NM_001278191
## 6523	NM_001010979_intron_1_0_chr1_154200589_r	0	NM_001010979
## 6524	NM_001010979_intron_0_0_chr1_154205639_r	0	NM_001010979
## 6525	NM_001278190_intron_4_0_chr1_154170470_r	0	NM_001278190
## 6526	NM_001372009_intron_0_0_chr1_154327862_f	0	NM_001372009
## 6527	NM_080429_intron_0_0_chr1_154321261_f	0	NM_080429
## 6528	NM_080429_intron_1_0_chr1_154322060_f	0	NM_080429
## 6529	NM_001382774_intron_1_0_chr1_154429237_f	0	NM_001382774
## 6530	NM_001382770_intron_5_0_chr1_154436111_f	0	NM_001382770
## 6531	NM_001382770_intron_6_0_chr1_154446043_f	0	NM_001382770
## 6532	NM_001382772_intron_4_0_chr1_154435157_f	0	NM_001382772
## 6533	NR_135169_intron_2_0_chr1_154486679_r	0	NR_135169
## 6534	NR_046668_intron_0_0_chr1_154553673_f	0	NR_046668
## 6535	NM_001365048_intron_0_0_chr1_154602627_r	0	NM_001365048
## 6536	NM_000748_intron_0_0_chr1_154568109_f	0	NM_000748
## 6537	NM_000748_intron_1_0_chr1_154569608_f	0	NM_000748
## 6538	NM_000748_intron_2_0_chr1_154569837_f	0	NM_000748
## 6539	NM_000748_intron_3_0_chr1_154570368_f	0	NM_000748
## 6540	NM_000748_intron_4_0_chr1_154572162_f	0	NM_000748
## 6541	NM_018655_intron_0_0_chr1_154993849_f	0	NM_018655
## 6542	NM_001143687_intron_0_0_chr1_155033855_f	0	NM_001143687
## 6543	NM_001143687_intron_1_0_chr1_155034098_f	0	NM_001143687
## 6544	NM_001143687_intron_2_0_chr1_155034561_f	0	NM_001143687
## 6545	NM_001143687_intron_3_0_chr1_155039532_f	0	NM_001143687
## 6546	NM_001143687_intron_4_0_chr1_155040625_f	0	NM_001143687
## 6547	NM_001143687_intron_5_0_chr1_155041614_f	0	NM_001143687

## 6548	NM_001143687_intron_6_0_chr1_155041858_f	0 NM_001143687
## 6549	NM_001143687_intron_7_0_chr1_155042857_f	0 NM_001143687
## 6550	NM_001143687_intron_8_0_chr1_155043510_f	0 NM_001143687
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## 6552	NM_001143687_intron_10_0_chr1_155046221_f	0 NM_001143687
## 6553	NM_001143687_intron_11_0_chr1_155046487_f	0 NM_001143687
## 6554	NM_001143687_intron_12_0_chr1_155047313_f	0 NM_001143687
## 6555	NM_001143687_intron_13_0_chr1_155047930_f	0 NM_001143687
## 6556	NM_001143687_intron_14_0_chr1_155048171_f	0 NM_001143687
## 6557	NM_001317735_intron_0_0_chr1_154951257_r	0 NM_001317735
## 6558	NM_001317734_intron_0_0_chr1_154951920_r	0 NM_001317734
## 6559	NM_152494_intron_2_0_chr1_155034561_f	0 NM_152494
## 6560	NM_152494_intron_3_0_chr1_155034728_f	0 NM_152494
## 6561	NR_040772_intron_1_0_chr1_155046247_r	0 NR_040772
## 6562	NR_040772_intron_0_0_chr1_155049362_r	0 NR_040772
## 6563	NM_144622_intron_9_0_chr1_155024603_r	0 NM_144622
## 6564	NM_144622_intron_4_0_chr1_155030646_r	0 NM_144622
## 6565	NM_144622_intron_3_0_chr1_155031235_r	0 NM_144622
## 6566	NM_144622_intron_0_0_chr1_155033265_r	0 NM_144622
## 6567	NM_001282378_intron_0_0_chr1_155174030_f	0 NM_001282378
## 6568	NM_001256601_intron_0_0_chr1_155174838_f	0 NM_001256601
## 6569	NM_001287586_intron_0_0_chr1_155135973_f	0 NM_001287586
## 6570	NM_001287591_intron_2_0_chr1_155136952_f	0 NM_001287591
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## 6572	NR_046329_intron_1_0_chr1_155175273_f	0 NR_046329
## 6573	NM_001256599_intron_0_0_chr1_155174040_f	0 NM_001256599
## 6574	NM_182690_intron_2_0_chr1_155067441_f	0 NM_182690
## 6575	NM_001005742_intron_0_0_chr1_155241162_r	0 NM_001005742
## 6576	NR_073074_intron_0_0_chr1_155277869_f	0 NR_073074
## 6577	NR_073074_intron_2_0_chr1_155284136_f	0 NR_073074
## 6578	NR_002188_intron_8_0_chr1_155215652_r	0 NR_002188
## 6579	NR_002188_intron_3_0_chr1_155217594_r	0 NR_002188
## 6580	NR_002188_intron_0_0_chr1_155218943_r	0 NR_002188
## 6581	NM_020897_intron_2_0_chr1_155284136_f	0 NM_020897
## 6582	NM_001267608_intron_0_0_chr1_155254195_r	0 NM_001267608
## 6583	NM_001252608_intron_1_0_chr1_155203540_r	0 NM_001252608
## 6584	NM_001171811_intron_0_0_chr1_155240078_r	0 NM_001171811
## 6585	NM_181871_intron_0_0_chr1_155300281_r	0 NM_181871
## 6586	NM_001171812_intron_2_0_chr1_155238651_r	0 NM_001171812
## 6587	NM_001105204_intron_1_0_chr1_155323131_f	0 NM_001105204
## 6588	NR_147963_intron_0_0_chr1_155562287_f	0 NR_147963
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## 6590	NR_146908_intron_8_0_chr1_155612571_f	0 NR_146908
## 6591	NR_024117_intron_11_0_chr1_155613767_f	0 NR_024117
## 6592	NM_001350777_intron_5_0_chr1_155611853_f	0 NM_001350777
## 6593	NM_018253_intron_2_0_chr1_155680009_r	0 NM_018253
## 6594	NM_001350779_intron_0_0_chr1_155610338_f	0 NM_001350779
## 6595	NM_001350781_intron_1_0_chr1_155610962_f	0 NM_001350781
## 6596	NM_001350781_intron_3_0_chr1_155611292_f	0 NM_001350781
## 6597	NM_001350784_intron_5_0_chr1_155611828_f	0 NM_001350784
## 6598	NM_001350776_intron_3_0_chr1_155611292_f	0 NM_001350776
## 6599	NM_001350775_intron_12_0_chr1_155613767_f	0 NM_001350775
## 6600	NM_139121_intron_3_0_chr1_155676747_r	0 NM_139121
## 6601	NM_139121_intron_2_0_chr1_155679314_r	0 NM_139121

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## 6605	NR_146907_intron_9_0_chr1_155612976_f	0	NR_146907
## 6606	NR_024117_intron_11_0_chr1_155749632_f	0	NR_024117
## 6607	NM_001256821_intron_0_0_chr1_155910805_r	0	NM_001256821
## 6608	NM_020387_intron_0_0_chr1_156061444_f	0	NM_020387
## 6609	NM_020387_intron_1_0_chr1_156066107_f	0	NM_020387
## 6610	NM_020387_intron_2_0_chr1_156068464_f	0	NM_020387
## 6611	NM_020387_intron_3_0_chr1_156069752_f	0	NM_020387
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## 6614	NM_001257374_intron_0_0_chr1_156126224_f	0	NM_001257374
## 6615	NM_001286184_intron_1_0_chr1_156200473_f	0	NM_001286184
## 6616	NM_001377389_intron_1_0_chr1_156200473_f	0	NM_001377389
## 6617	NM_001193300_intron_0_0_chr1_156150094_f	0	NM_001193300
## 6618	NM_001193300_intron_1_0_chr1_156153756_f	0	NM_001193300
## 6619	NM_022367_intron_0_0_chr1_156153765_f	0	NM_022367
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## 6622	NM_001193301_intron_0_0_chr1_156150094_f	0	NM_001193301
## 6623	NM_001193302_intron_0_0_chr1_156153765_f	0	NM_001193302
## 6624	NM_001370569_intron_0_0_chr1_156150094_f	0	NM_001370569
## 6625	NR_130913_intron_0_0_chr1_156338606_f	0	NR_130913
## 6626	NR_130913_intron_1_0_chr1_156339792_f	0	NR_130913
## 6627	NM_001304826_intron_0_0_chr1_156338771_f	0	NM_001304826
## 6628	NM_001304826_intron_2_0_chr1_156344709_f	0	NM_001304826
## 6629	NM_001304825_intron_0_0_chr1_156338865_f	0	NM_001304825
## 6630	NM_001304825_intron_2_0_chr1_156344709_f	0	NM_001304825
## 6631	NM_001304824_intron_0_0_chr1_156338865_f	0	NM_001304824
## 6632	NM_001304822_intron_0_0_chr1_156338606_f	0	NM_001304822
## 6633	NM_001304820_intron_0_0_chr1_156338926_f	0	NM_001304820
## 6634	NM_001256609_intron_0_0_chr1_156295017_r	0	NM_001256609
## 6635	NM_144627_intron_0_0_chr1_156337550_f	0	NM_144627
## 6636	NM_001323617_intron_1_0_chr1_156279035_r	0	NM_001323617
## 6637	NM_001323617_intron_0_0_chr1_156286788_r	0	NM_001323617
## 6638	NM_001272113_intron_2_0_chr1_156244912_r	0	NM_001272113
## 6639	NM_001272112_intron_0_0_chr1_156246251_r	0	NM_001272112
## 6640	NR_036564_intron_1_0_chr1_156335889_r	0	NR_036564
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## 6646	NM_001272105_intron_0_0_chr1_156247633_r	0	NM_001272105
## 6647	NM_001272108_intron_2_0_chr1_156245239_r	0	NM_001272108
## 6648	NM_032323_intron_0_0_chr1_156284407_f	0	NM_032323
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## 6652	NM_020407_intron_3_0_chr1_156378400_f	0	NM_020407
## 6653	NM_020407_intron_4_0_chr1_156381514_f	0	NM_020407
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## 6655	NM_020407_intron_6_0_chr1_156382202_f	0	NM_020407

## 6656	NM_020407_intron_7_0_chr1_156382870_f	0	NM_020407
## 6657	NM_020407_intron_8_0_chr1_156384601_f	0	NM_020407
## 6658	NR_168072_intron_2_0_chr1_156404602_r	0	NR_168072
## 6659	NR_168072_intron_1_0_chr1_156407976_r	0	NR_168072
## 6660	NR_168072_intron_0_0_chr1_156414754_r	0	NR_168072
## 6661	NR_168073_intron_2_0_chr1_156404602_r	0	NR_168073
## 6662	NR_168073_intron_1_0_chr1_156413498_r	0	NR_168073
## 6663	NR_168070_intron_5_0_chr1_156404602_r	0	NR_168070
## 6664	NR_168070_intron_4_0_chr1_156407198_r	0	NR_168070
## 6665	NR_168070_intron_2_0_chr1_156414754_r	0	NR_168070
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## 6672	NM_001271629_intron_0_0_chr1_156483419_r	0	NM_001271629
## 6673	NR_168071_intron_3_0_chr1_156404602_r	0	NR_168071
## 6674	NR_146765_intron_8_0_chr1_156382870_f	0	NR_146765
## 6675	NR_146764_intron_8_0_chr1_156382870_f	0	NR_146764
## 6676	NR_146763_intron_1_0_chr1_156371905_f	0	NR_146763
## 6677	NR_135268_intron_3_0_chr1_156407976_r	0	NR_135268
## 6678	NR_135268_intron_2_0_chr1_156414299_r	0	NR_135268
## 6679	NR_135268_intron_1_0_chr1_156414754_r	0	NR_135268
## 6680	NR_135268_intron_0_0_chr1_156418035_r	0	NR_135268
## 6681	NR_135266_intron_1_0_chr1_156404602_r	0	NR_135266
## 6682	NR_135266_intron_0_0_chr1_156420499_r	0	NR_135266
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## 6684	NR_135264_intron_1_0_chr1_156414754_r	0	NR_135264
## 6685	NR_135262_intron_1_0_chr1_156404602_r	0	NR_135262
## 6686	NR_046115_intron_4_0_chr1_156378414_f	0	NR_046115
## 6687	NR_135113_intron_0_0_chr1_156615078_r	0	NR_135113
## 6688	NM_021817_intron_0_0_chr1_156619536_f	0	NM_021817
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## 6691	NM_021817_intron_3_0_chr1_156624161_f	0	NM_021817
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## 6693	NM_021817_intron_5_0_chr1_156624784_f	0	NM_021817
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## 6695	NM_021948_intron_0_0_chr1_156642276_f	0	NM_021948
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## 6707	NM_001319188_intron_0_0_chr1_156750029_r	0	NM_001319188
## 6708	NM_006617_intron_2_0_chr1_156673206_r	0	NM_006617
## 6709	NM_006617_intron_1_0_chr1_156673528_r	0	NM_006617

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## 6712	NM_001319187_intron_0_0_chr1_156745374_r	0	NM_001319187
## 6713	NM_001161441_intron_2_0_chr1_156814325_r	0	NM_001161441
## 6714	NM_014215_intron_19_0_chr1_156841529_r	0	NM_014215
## 6715	NM_014215_intron_18_0_chr1_156841795_r	0	NM_014215
## 6716	NM_014215_intron_17_0_chr1_156842272_r	0	NM_014215
## 6717	NM_014215_intron_16_0_chr1_156842509_r	0	NM_014215
## 6718	NM_014215_intron_15_0_chr1_156843234_r	0	NM_014215
## 6719	NM_014215_intron_14_0_chr1_156843480_r	0	NM_014215
## 6720	NM_014215_intron_13_0_chr1_156844281_r	0	NM_014215
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## 6725	NM_014215_intron_8_0_chr1_156845815_r	0	NM_014215
## 6726	NM_014215_intron_6_0_chr1_156846758_r	0	NM_014215
## 6727	NM_014215_intron_5_0_chr1_156849048_r	0	NM_014215
## 6728	NM_014215_intron_4_0_chr1_156849461_r	0	NM_014215
## 6729	NM_014215_intron_3_0_chr1_156851435_r	0	NM_014215
## 6730	NM_014215_intron_1_0_chr1_156852192_r	0	NM_014215
## 6731	NM_001007792_intron_0_0_chr1_156815839_f	0	NM_001007792
## 6732	NM_001007792_intron_1_0_chr1_156842194_f	0	NM_001007792
## 6733	NM_002529_intron_7_0_chr1_156873960_f	0	NM_002529
## 6734	NM_002529_intron_8_0_chr1_156874401_f	0	NM_002529
## 6735	NM_144702_intron_0_0_chr1_156920964_f	0	NM_144702
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## 6741	NM_144702_intron_6_0_chr1_156927656_f	0	NM_144702
## 6742	NM_144702_intron_7_0_chr1_156927817_f	0	NM_144702
## 6743	NM_144702_intron_8_0_chr1_156928005_f	0	NM_144702
## 6744	NM_144702_intron_9_0_chr1_156929430_f	0	NM_144702
## 6745	NM_144702_intron_10_0_chr1_156929730_f	0	NM_144702
## 6746	NM_144702_intron_11_0_chr1_156930618_f	0	NM_144702
## 6747	NM_144702_intron_12_0_chr1_156932028_f	0	NM_144702
## 6748	NM_144702_intron_13_0_chr1_156932546_f	0	NM_144702
## 6749	NM_001004341_intron_3_0_chr1_157093128_r	0	NM_001004341
## 6750	NM_001004341_intron_2_0_chr1_157097989_r	0	NM_001004341
## 6751	NM_001004341_intron_1_0_chr1_157098896_r	0	NM_001004341
## 6752	NM_001004341_intron_0_0_chr1_157099379_r	0	NM_001004341
## 6753	NM_031282_intron_10_0_chr1_157575611_r	0	NM_031282
## 6754	NM_031282_intron_9_0_chr1_157575731_r	0	NM_031282
## 6755	NM_031282_intron_8_0_chr1_157578543_r	0	NM_031282
## 6756	NM_031282_intron_7_0_chr1_157578853_r	0	NM_031282
## 6757	NM_031282_intron_6_0_chr1_157580349_r	0	NM_031282
## 6758	NM_031282_intron_5_0_chr1_157581645_r	0	NM_031282
## 6759	NM_031282_intron_4_0_chr1_157586456_r	0	NM_031282
## 6760	NM_031282_intron_3_0_chr1_157587561_r	0	NM_031282
## 6761	NM_031282_intron_2_0_chr1_157588120_r	0	NM_031282
## 6762	NM_031282_intron_1_0_chr1_157589459_r	0	NM_031282
## 6763	NM_031282_intron_0_0_chr1_157596349_r	0	NM_031282

## 6764	NM_001159488_intron_7_0_chr1_157746775_r	0 NM_001159488
## 6765	NM_001159488_intron_3_0_chr1_157768702_r	0 NM_001159488
## 6766	NR_125358_intron_5_0_chr1_157746900_r	0 NR_125358
## 6767	NR_125358_intron_2_0_chr1_157766972_r	0 NR_125358
## 6768	NM_001347698_intron_4_0_chr1_157827625_r	0 NM_001347698
## 6769	NR_145471_intron_0_0_chr1_158025687_f	0 NR_145471
## 6770	NR_033946_intron_1_0_chr1_158132657_r	0 NR_033946
## 6771	NR_033946_intron_0_0_chr1_158133194_r	0 NR_033946
## 6772	NM_001766_intron_0_0_chr1_158180163_f	0 NM_001766
## 6773	NM_001371763_intron_0_0_chr1_158178069_f	0 NM_001371763
## 6774	NM_001320652_intron_0_0_chr1_158248412_f	0 NM_001320652
## 6775	NM_001185107_intron_1_0_chr1_158354674_f	0 NM_001185107
## 6776	NM_001376588_intron_0_0_chr1_159000396_f	0 NM_001376588
## 6777	NR_037870_intron_2_0_chr1_159198222_r	0 NR_037870
## 6778	NR_037870_intron_1_0_chr1_159199860_r	0 NR_037870
## 6779	NR_037870_intron_0_0_chr1_159201622_r	0 NR_037870
## 6780	NM_001127173_intron_0_0_chr1_159171854_f	0 NM_001127173
## 6781	NM_001122951_intron_0_0_chr1_159204981_f	0 NM_001122951
## 6782	NM_021189_intron_0_0_chr1_159171854_f	0 NM_021189
## 6783	NM_021189_intron_1_0_chr1_159189873_f	0 NM_021189
## 6784	NM_001346510_intron_4_0_chr1_159193903_f	0 NM_001346510
## 6785	NM_002001_intron_0_0_chr1_159289754_f	0 NM_002001
## 6786	NM_001363558_intron_0_0_chr1_159397531_f	0 NM_001363558
## 6787	NM_001363558_intron_1_0_chr1_159405397_f	0 NM_001363558
## 6788	NM_001363558_intron_2_0_chr1_159406414_f	0 NM_001363558
## 6789	NM_001363557_intron_2_0_chr1_159406414_f	0 NM_001363557
## 6790	NM_001363557_intron_3_0_chr1_159431472_f	0 NM_001363557
## 6791	NM_001639_intron_0_0_chr1_159587986_f	0 NM_001639
## 6792	NM_001382703_intron_1_0_chr1_159713641_r	0 NM_001382703
## 6793	NM_001382703_intron_0_0_chr1_159714139_r	0 NM_001382703
## 6794	NM_001329057_intron_1_0_chr1_159712795_r	0 NM_001329057
## 6795	NM_001329058_intron_2_0_chr1_159712569_r	0 NM_001329058
## 6796	NM_001329058_intron_1_0_chr1_159713604_r	0 NM_001329058
## 6797	NR_147122_intron_1_0_chr1_159838028_r	0 NR_147122
## 6798	NR_147123_intron_0_0_chr1_159841236_r	0 NR_147123
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## 6803	NM_001013661_intron_3_0_chr1_159856644_r	0 NM_001013661
## 6804	NM_001013661_intron_2_0_chr1_159857967_r	0 NM_001013661
## 6805	NM_001013661_intron_1_0_chr1_159858292_r	0 NM_001013661
## 6806	NM_001013661_intron_0_0_chr1_159858913_r	0 NM_001013661
## 6807	NM_001284217_intron_0_0_chr1_159800614_f	0 NM_001284217
## 6808	NM_001284217_intron_9_0_chr1_159815460_f	0 NM_001284217
## 6809	NM_012337_intron_0_0_chr1_159893306_r	0 NM_012337
## 6810	NM_001146172_intron_1_0_chr1_159951867_r	0 NM_001146172
## 6811	NM_033438_intron_2_0_chr1_159951867_r	0 NM_033438
## 6812	NM_033438_intron_1_0_chr1_159952535_r	0 NM_033438
## 6813	NM_020789_intron_7_0_chr1_159934285_r	0 NM_020789
## 6814	NM_020789_intron_0_0_chr1_159943629_r	0 NM_020789
## 6815	NM_004983_intron_0_0_chr1_160081698_f	0 NM_004983
## 6816	NM_004983_intron_1_0_chr1_160084881_f	0 NM_004983
## 6817	NM_001206665_intron_0_0_chr1_160098518_r	0 NM_001206665

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## 6822	NR_123725_intron_1_0_chr1_160206377_r	0	NR_123725
## 6823	NR_123725_intron_0_0_chr1_160208388_r	0	NR_123725
## 6824	NR_147618_intron_0_0_chr1_160261923_f	0	NR_147618
## 6825	NR_028106_intron_0_0_chr1_160261326_r	0	NR_028106
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## 6835	NM_001290184_intron_1_0_chr1_160344615_f	0	NM_001290184
## 6836	NM_005598_intron_0_0_chr1_160367338_f	0	NM_005598
## 6837	NM_001330754_intron_3_0_chr1_160623586_r	0	NM_001330754
## 6838	NR_104401_intron_1_0_chr1_160634893_r	0	NR_104401
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## 6841	NM_001282591_intron_1_0_chr1_160750094_f	0	NM_001282591
## 6842	NM_001282589_intron_1_0_chr1_160748515_f	0	NM_001282589
## 6843	NM_001282588_intron_1_0_chr1_160748515_f	0	NM_001282588
## 6844	NR_110695_intron_0_0_chr1_160932592_f	0	NR_110695
## 6845	NR_110695_intron_1_0_chr1_160933327_f	0	NR_110695
## 6846	NR_110695_intron_2_0_chr1_160934402_f	0	NR_110695
## 6847	NR_110695_intron_3_0_chr1_160944959_f	0	NR_110695
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## 6857	NM_181720_intron_11_0_chr1_161048356_r	0	NM_181720
## 6858	NM_001382727_intron_6_0_chr1_160999493_r	0	NM_001382727
## 6859	NM_001382730_intron_8_0_chr1_160998892_r	0	NM_001382730
## 6860	NM_001382734_intron_0_0_chr1_161001128_r	0	NM_001382734
## 6861	NM_001348091_intron_2_0_chr1_161000349_r	0	NM_001348091
## 6862	NM_001382733_intron_5_0_chr1_160999718_r	0	NM_001382733
## 6863	NM_001330765_intron_4_0_chr1_161122524_r	0	NM_001330765
## 6864	NM_001350131_intron_3_0_chr1_161167487_f	0	NM_001350131
## 6865	NM_001320336_intron_7_0_chr1_161191404_r	0	NM_001320336
## 6866	NR_033386_intron_0_0_chr1_161098405_f	0	NR_033386
## 6867	NR_033386_intron_2_0_chr1_161099506_f	0	NR_033386
## 6868	NM_012475_intron_9_0_chr1_161164613_f	0	NM_012475
## 6869	NM_001185093_intron_0_0_chr1_161118552_f	0	NM_001185093
## 6870	NM_001377298_intron_0_0_chr1_161197488_f	0	NM_001377298
## 6871	NM_001319848_intron_10_0_chr1_161164943_f	0	NM_001319848

## 6872	NM_001350128_intron_2_0_chr1_161167234_f	0 NM_001350128
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## 6874	NM_001377302_intron_12_0_chr1_161213947_f	0 NM_001377302
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## 6891	NM_001643_intron_2_0_chr1_161222523_r	0 NM_001643
## 6892	NM_001643_intron_1_0_chr1_161223051_r	0 NM_001643
## 6893	NM_001643_intron_0_0_chr1_161223426_r	0 NM_001643
## 6894	NM_001329120_intron_0_0_chr1_161549781_r	0 NM_001329120
## 6895	NM_001127593_intron_0_0_chr1_161549799_r	0 NM_001127593
## 6896	NM_001271036_intron_0_0_chr1_161630389_r	0 NM_001271036
## 6897	NM_001271035_intron_1_0_chr1_161630033_r	0 NM_001271035
## 6898	NM_001184870_intron_1_0_chr1_161710493_f	0 NM_001184870
## 6899	NM_001184867_intron_1_0_chr1_161710913_f	0 NM_001184867
## 6900	NM_001366196_intron_2_0_chr1_161711475_f	0 NM_001366196
## 6901	NM_001288829_intron_3_0_chr1_161726088_f	0 NM_001288829
## 6902	NM_001288830_intron_0_0_chr1_161722704_f	0 NM_001288830
## 6903	NM_001320241_intron_4_0_chr1_161726088_f	0 NM_001320241
## 6904	NM_001288832_intron_2_0_chr1_161726088_f	0 NM_001288832
## 6905	NM_001002901_intron_0_0_chr1_161721662_f	0 NM_001002901
## 6906	NM_001002901_intron_1_0_chr1_161721851_f	0 NM_001002901
## 6907	NM_000570_intron_0_0_chr1_161631139_r	0 NM_000570
## 6908	NM_001366195_intron_0_0_chr1_161707344_f	0 NM_001366195
## 6909	NM_001190828_intron_0_0_chr1_161663354_f	0 NM_001190828
## 6910	NM_001184873_intron_1_0_chr1_161710913_f	0 NM_001184873
## 6911	NM_001184872_intron_0_0_chr1_161707344_f	0 NM_001184872
## 6912	NM_001184871_intron_0_0_chr1_161707344_f	0 NM_001184871
## 6913	NM_001135240_intron_0_0_chr1_162379032_f	0 NM_001135240
## 6914	NM_182581_intron_1_0_chr1_162374617_r	0 NM_182581
## 6915	NM_182581_intron_0_0_chr1_162375404_r	0 NM_182581
## 6916	NM_001324113_intron_0_0_chr1_162562010_f	0 NM_001324113
## 6917	NM_001324117_intron_7_0_chr1_162590512_f	0 NM_001324117
## 6918	NM_001324114_intron_0_0_chr1_162562010_f	0 NM_001324114
## 6919	NM_178550_intron_2_0_chr1_162855360_r	0 NM_178550
## 6920	NM_178550_intron_1_0_chr1_162855759_r	0 NM_178550
## 6921	NM_178550_intron_0_0_chr1_162859659_r	0 NM_178550
## 6922	NM_001102445_intron_0_0_chr1_163068993_f	0 NM_001102445
## 6923	NM_001102445_intron_1_0_chr1_163069529_f	0 NM_001102445
## 6924	NM_001102445_intron_2_0_chr1_163072500_f	0 NM_001102445
## 6925	NM_001102445_intron_3_0_chr1_163072867_f	0 NM_001102445

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## 6928	NM_001113380_intron_0_0_chr1_163072144_f	0	NM_001113380
## 6929	NR_038072_intron_2_0_chr1_164769357_r	0	NR_038072
## 6930	NR_038072_intron_1_0_chr1_164770117_r	0	NR_038072
## 6931	NR_038072_intron_0_0_chr1_164771578_r	0	NR_038072
## 6932	NR_033824_intron_0_0_chr1_165437202_r	0	NR_033824
## 6933	NM_001005214_intron_0_0_chr1_165544919_f	0	NM_001005214
## 6934	NR_036683_intron_0_0_chr1_165698846_f	0	NR_036683
## 6935	NR_036683_intron_1_0_chr1_165701992_f	0	NR_036683
## 6936	NR_036683_intron_2_0_chr1_165708780_f	0	NR_036683
## 6937	NR_125374_intron_0_0_chr1_165769376_f	0	NR_125374
## 6938	NR_125374_intron_1_0_chr1_165774434_f	0	NR_125374
## 6939	NR_146890_intron_1_0_chr1_166476205_r	0	NR_146890
## 6940	NR_146890_intron_0_0_chr1_166476970_r	0	NR_146890
## 6941	NR_002925_intron_0_0_chr1_166603985_f	0	NR_002925
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## 6943	NR_002925_intron_2_0_chr1_166612604_f	0	NR_002925
## 6944	NR_002925_intron_3_0_chr1_166620988_f	0	NR_002925
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## 6946	NR_002925_intron_5_0_chr1_166623787_f	0	NR_002925
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## 6948	NR_110811_intron_2_0_chr1_167176816_r	0	NR_110811
## 6949	NR_110811_intron_1_0_chr1_167182194_r	0	NR_110811
## 6950	NR_110811_intron_0_0_chr1_167195157_r	0	NR_110811
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## 6952	NM_001267612_intron_1_0_chr1_168097233_r	0	NM_001267612
## 6953	NM_001267612_intron_0_0_chr1_168135037_r	0	NM_001267612
## 6954	NM_001267614_intron_0_0_chr1_168097233_r	0	NM_001267614
## 6955	NM_001267613_intron_0_0_chr1_168097233_r	0	NM_001267613
## 6956	NM_001267611_intron_0_0_chr1_168104895_r	0	NM_001267611
## 6957	NM_001267609_intron_1_0_chr1_168104895_r	0	NM_001267609
## 6958	NM_001267609_intron_0_0_chr1_168135037_r	0	NM_001267609
## 6959	NM_001375885_intron_0_0_chr1_168104895_r	0	NM_001375885
## 6960	NM_001375884_intron_0_0_chr1_168104895_r	0	NM_001375884
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## 6963	NM_001349634_intron_0_0_chr1_168135037_r	0	NM_001349634
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## 6967	NM_153832_intron_1_0_chr1_168114550_r	0	NM_153832
## 6968	NM_153832_intron_0_0_chr1_168133922_r	0	NM_153832
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## 6970	NR_037851_intron_2_0_chr1_168402344_r	0	NR_037851
## 6971	NR_037851_intron_1_0_chr1_168412937_r	0	NR_037851
## 6972	NR_037851_intron_0_0_chr1_168422205_r	0	NR_037851
## 6973	NR_125956_intron_3_0_chr1_168464374_r	0	NR_125956
## 6974	NR_125956_intron_2_0_chr1_168485307_r	0	NR_125956
## 6975	NR_125956_intron_1_0_chr1_168485732_r	0	NR_125956
## 6976	NR_125956_intron_0_0_chr1_168494125_r	0	NR_125956
## 6977	NR_024160_intron_0_0_chr1_168787229_f	0	NR_024160
## 6978	NR_024160_intron_1_0_chr1_168788890_f	0	NR_024160
## 6979	NR_135799_intron_0_0_chr1_169104494_f	0	NR_135799

## 6980	NM_001300969_intron_0_0_chr1_169424951_r	0	NM_001300969
## 6981	NM_001300968_intron_4_0_chr1_169397389_r	0	NM_001300968
## 6982	NM_001300968_intron_1_0_chr1_169424951_r	0	NM_001300968
## 6983	NM_001300968_intron_0_0_chr1_169459865_r	0	NM_001300968
## 6984	NM_000450_intron_8_0_chr1_169727526_r	0	NM_000450
## 6985	NM_000450_intron_7_0_chr1_169727928_r	0	NM_000450
## 6986	NM_000450_intron_6_0_chr1_169728247_r	0	NM_000450
## 6987	NM_000450_intron_4_0_chr1_169729674_r	0	NM_000450
## 6988	NM_000450_intron_1_0_chr1_169732999_r	0	NM_000450
## 6989	NM_000450_intron_0_0_chr1_169733661_r	0	NM_000450
## 6990	NR_159440_intron_0_0_chr1_169795214_f	0	NR_159440
## 6991	NR_159440_intron_10_0_chr1_169826216_f	0	NR_159440
## 6992	NM_001363739_intron_6_0_chr1_169806089_f	0	NM_001363739
## 6993	NM_001320201_intron_0_0_chr1_169793898_r	0	NM_001320201
## 6994	NM_001320047_intron_0_0_chr1_169795116_f	0	NM_001320047
## 6995	NM_001320047_intron_1_0_chr1_169795984_f	0	NM_001320047
## 6996	NM_001320051_intron_0_0_chr1_169794906_f	0	NM_001320051
## 6997	NR_146891_intron_0_0_chr1_170174707_f	0	NR_146891
## 6998	NR_146891_intron_1_0_chr1_170227059_f	0	NR_146891
## 6999	NR_146891_intron_2_0_chr1_170240323_f	0	NR_146891
## 7000	NR_146891_intron_3_0_chr1_170241286_f	0	NR_146891
## 7001	NM_001136107_intron_0_0_chr1_170146262_f	0	NM_001136107
## 7002	NM_001136107_intron_1_0_chr1_170160694_f	0	NM_001136107
## 7003	NM_001136107_intron_2_0_chr1_170166752_f	0	NM_001136107
## 7004	NR_026957_intron_2_0_chr1_170271982_r	0	NR_026957
## 7005	NR_026957_intron_1_0_chr1_170274508_r	0	NR_026957
## 7006	NR_026957_intron_0_0_chr1_170278933_r	0	NR_026957
## 7007	NM_006902_intron_0_0_chr1_170664460_f	0	NM_006902
## 7008	NM_006902_intron_1_0_chr1_170719902_f	0	NM_006902
## 7009	NM_006902_intron_2_0_chr1_170726402_f	0	NM_006902
## 7010	NM_006902_intron_3_0_chr1_170730349_f	0	NM_006902
## 7011	NM_022716_intron_2_0_chr1_170726402_f	0	NM_022716
## 7012	NM_001319173_intron_0_0_chr1_171090965_f	0	NM_001319173
## 7013	NM_001319173_intron_1_0_chr1_171092791_f	0	NM_001319173
## 7014	NM_001319173_intron_2_0_chr1_171101207_f	0	NM_001319173
## 7015	NM_001002294_intron_0_0_chr1_171090982_f	0	NM_001002294
## 7016	NR_002601_intron_0_0_chr1_171138645_f	0	NR_002601
## 7017	NR_002601_intron_1_0_chr1_171146520_f	0	NR_002601
## 7018	NR_002601_intron_2_0_chr1_171147769_f	0	NR_002601
## 7019	NR_002601_intron_3_0_chr1_171149760_f	0	NR_002601
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## 7021	NR_002601_intron_5_0_chr1_171154215_f	0	NR_002601
## 7022	NM_001319174_intron_1_0_chr1_171092791_f	0	NM_001319174
## 7023	NM_002021_intron_0_0_chr1_171248615_f	0	NM_002021
## 7024	NM_002021_intron_1_0_chr1_171258220_f	0	NM_002021
## 7025	NM_002021_intron_2_0_chr1_171267732_f	0	NM_002021
## 7026	NM_002021_intron_3_0_chr1_171275509_f	0	NM_002021
## 7027	NM_002021_intron_4_0_chr1_171278872_f	0	NM_002021
## 7028	NM_002021_intron_5_0_chr1_171280986_f	0	NM_002021
## 7029	NM_002021_intron_6_0_chr1_171282334_f	0	NM_002021
## 7030	NM_002021_intron_7_0_chr1_171283217_f	0	NM_002021
## 7031	NM_001301347_intron_0_0_chr1_171185360_f	0	NM_001301347
## 7032	NM_001301347_intron_2_0_chr1_171196812_f	0	NM_001301347
## 7033	NR_160266_intron_7_0_chr1_171210718_f	0	NR_160266

## 7034	NM_001282693_intron_0_0_chr1_171248624_f	0	NM_001282693
## 7035	NM_001282694_intron_1_0_chr1_171258220_f	0	NM_001282694
## 7036	NM_001368164_intron_0_0_chr1_171620038_f	0	NM_001368164
## 7037	NM_001368164_intron_1_0_chr1_171623979_f	0	NM_001368164
## 7038	NM_001007239_intron_1_0_chr1_171784040_f	0	NM_001007239
## 7039	NR_046845_intron_0_0_chr1_171864294_f	0	NR_046845
## 7040	NR_103486_intron_2_0_chr1_172140597_r	0	NR_103486
## 7041	NR_103486_intron_1_0_chr1_172142214_r	0	NR_103486
## 7042	NR_103486_intron_0_0_chr1_172144438_r	0	NR_103486
## 7043	NM_001300760_intron_0_0_chr1_172453190_f	0	NM_001300760
## 7044	NM_001300760_intron_1_0_chr1_172456490_f	0	NM_001300760
## 7045	NM_001300760_intron_2_0_chr1_172462246_f	0	NM_001300760
## 7046	NM_001300760_intron_3_0_chr1_172465364_f	0	NM_001300760
## 7047	NM_139240_intron_0_0_chr1_172420907_f	0	NM_139240
## 7048	NM_139240_intron_1_0_chr1_172445159_f	0	NM_139240
## 7049	NM_139240_intron_2_0_chr1_172448532_f	0	NM_139240
## 7050	NM_001282750_intron_16_0_chr1_172588925_f	0	NM_001282750
## 7051	NM_016227_intron_0_0_chr1_172532799_f	0	NM_016227
## 7052	NM_001302746_intron_0_0_chr1_172659550_f	0	NM_001302746
## 7053	NM_001302746_intron_1_0_chr1_172664391_f	0	NM_001302746
## 7054	NM_000639_intron_1_0_chr1_172660141_f	0	NM_000639
## 7055	NM_005092_intron_1_0_chr1_173041714_r	0	NM_005092
## 7056	NM_005092_intron_0_0_chr1_173043970_r	0	NM_005092
## 7057	NR_125960_intron_0_0_chr1_173418623_r	0	NR_125960
## 7058	NM_001195190_intron_0_0_chr1_173635846_f	0	NM_001195190
## 7059	NM_198493_intron_4_0_chr1_173610216_r	0	NM_198493
## 7060	NM_198493_intron_3_0_chr1_173624926_r	0	NM_198493
## 7061	NM_198493_intron_2_0_chr1_173627160_r	0	NM_198493
## 7062	NM_198493_intron_1_0_chr1_173647014_r	0	NM_198493
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## 7069	NM_000488_intron_1_0_chr1_173912015_r	0	NM_000488
## 7070	NM_000488_intron_0_0_chr1_173914920_r	0	NM_000488
## 7071	NM_001365213_intron_12_0_chr1_173850480_f	0	NM_001365213
## 7072	NM_001346115_intron_0_0_chr1_173868256_f	0	NM_001346115
## 7073	NM_001365052_intron_1_0_chr1_173914920_r	0	NM_001365052
## 7074	NM_001365052_intron_0_0_chr1_173915187_r	0	NM_001365052
## 7075	NR_152533_intron_8_0_chr1_173864503_r	0	NR_152533
## 7076	NR_152532_intron_2_0_chr1_173866582_r	0	NR_152532
## 7077	NR_152531_intron_4_0_chr1_173865895_r	0	NR_152531
## 7078	NR_152521_intron_0_0_chr1_173868010_r	0	NR_152521
## 7079	NR_121197_intron_2_0_chr1_174121787_r	0	NR_121197
## 7080	NR_121197_intron_1_0_chr1_174155698_r	0	NR_121197
## 7081	NR_121197_intron_0_0_chr1_174158991_r	0	NR_121197
## 7082	NR_121196_intron_4_0_chr1_174935101_r	0	NR_121196
## 7083	NR_121196_intron_3_0_chr1_174935507_r	0	NR_121196
## 7084	NR_121196_intron_2_0_chr1_174938525_r	0	NR_121196
## 7085	NR_121196_intron_1_0_chr1_174945895_r	0	NR_121196
## 7086	NR_121196_intron_0_0_chr1_174948877_r	0	NR_121196
## 7087	NM_001035230_intron_0_0_chr1_174875714_f	0	NM_001035230

## 7088	NM_001319231_intron_2_0_chr1_175166738_r	0	NM_001319231
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## 7090	NR_125964_intron_0_0_chr1_175877595_f	0	NR_125964
## 7091	NR_125964_intron_1_0_chr1_175880102_f	0	NR_125964
## 7092	NR_110722_intron_0_0_chr1_177701363_f	0	NR_110722
## 7093	NR_110722_intron_1_0_chr1_177701575_f	0	NR_110722
## 7094	NR_110722_intron_2_0_chr1_177709126_f	0	NR_110722
## 7095	NM_001356500_intron_6_0_chr1_177958976_r	0	NM_001356500
## 7096	NM_001356500_intron_0_0_chr1_177968040_r	0	NM_001356500
## 7097	NM_001356499_intron_0_0_chr1_177968040_r	0	NM_001356499
## 7098	NM_033127_intron_0_0_chr1_177968040_r	0	NM_033127
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## 7100	NR_027982_intron_0_0_chr1_178093413_r	0	NR_027982
## 7101	NR_033186_intron_0_0_chr1_178542886_f	0	NR_033186
## 7102	NM_001376763_intron_3_0_chr1_178851317_r	0	NM_001376763
## 7103	NM_001376763_intron_2_0_chr1_178852954_r	0	NM_001376763
## 7104	NM_001376763_intron_1_0_chr1_178853788_r	0	NM_001376763
## 7105	NM_001376763_intron_0_0_chr1_178865803_r	0	NM_001376763
## 7106	NM_004673_intron_1_0_chr1_178865803_r	0	NM_004673
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## 7108	NM_001199085_intron_0_0_chr1_179592126_f	0	NM_001199085
## 7109	NM_001199085_intron_2_0_chr1_179593868_f	0	NM_001199085
## 7110	NM_001199085_intron_3_0_chr1_179595819_f	0	NM_001199085
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## 7113	NM_001199085_intron_13_0_chr1_179654363_f	0	NM_001199085
## 7114	NM_001199092_intron_0_0_chr1_179606261_f	0	NM_001199092
## 7115	NM_001199091_intron_0_0_chr1_179591666_f	0	NM_001199091
## 7116	NM_001349923_intron_0_0_chr1_179591826_f	0	NM_001349923
## 7117	NM_001199089_intron_0_0_chr1_179592071_f	0	NM_001199089
## 7118	NM_001329717_intron_0_0_chr1_179743424_f	0	NM_001329717
## 7119	NM_001329717_intron_1_0_chr1_179805774_f	0	NM_001329717
## 7120	NM_001329716_intron_0_0_chr1_179730418_f	0	NM_001329716
## 7121	NM_001329716_intron_1_0_chr1_179805659_f	0	NM_001329716
## 7122	NM_001329716_intron_2_0_chr1_179807889_f	0	NM_001329716
## 7123	NM_001329716_intron_3_0_chr1_179809447_f	0	NM_001329716
## 7124	NM_001329713_intron_0_0_chr1_179727846_f	0	NM_001329713
## 7125	NM_001329713_intron_1_0_chr1_179742513_f	0	NM_001329713
## 7126	NM_001329713_intron_3_0_chr1_179809447_f	0	NM_001329713
## 7127	NM_001329715_intron_0_0_chr1_179730418_f	0	NM_001329715
## 7128	NM_001329715_intron_2_0_chr1_179807889_f	0	NM_001329715
## 7129	NM_001329719_intron_0_0_chr1_179743567_f	0	NM_001329719
## 7130	NM_001329718_intron_0_0_chr1_179743424_f	0	NM_001329718
## 7131	NM_001329718_intron_2_0_chr1_179812132_f	0	NM_001329718
## 7132	NM_001329712_intron_2_0_chr1_179812132_f	0	NM_001329712
## 7133	NR_138087_intron_3_0_chr1_179809447_f	0	NR_138087
## 7134	NR_138086_intron_0_0_chr1_179742094_f	0	NR_138086
## 7135	NR_138088_intron_1_0_chr1_179742513_f	0	NR_138088
## 7136	NR_037642_intron_3_0_chr1_180271972_r	0	NR_037642
## 7137	NM_033343_intron_1_0_chr1_180248457_f	0	NM_033343
## 7138	NM_033343_intron_3_0_chr1_180271535_f	0	NM_033343
## 7139	NR_125716_intron_0_0_chr1_180559056_f	0	NR_125716
## 7140	NR_125716_intron_1_0_chr1_180562345_f	0	NR_125716
## 7141	NR_145481_intron_0_0_chr1_180950919_r	0	NR_145481

## 7142	NM_001194999_intron_0_0_chr1_181033465_f	0	NM_001194999
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## 7144	NR_125966_intron_0_0_chr1_181174576_f	0	NR_125966
## 7145	NR_125966_intron_1_0_chr1_181175467_f	0	NR_125966
## 7146	NR_046249_intron_0_0_chr1_181236506_f	0	NR_046249
## 7147	NR_046249_intron_1_0_chr1_181237738_f	0	NR_046249
## 7148	NR_104175_intron_1_0_chr1_182204106_r	0	NR_104175
## 7149	NR_104175_intron_0_0_chr1_182313786_r	0	NR_104175
## 7150	NR_034131_intron_0_0_chr1_182408033_f	0	NR_034131
## 7151	NR_034131_intron_1_0_chr1_182408608_f	0	NR_034131
## 7152	NR_034131_intron_2_0_chr1_182409361_f	0	NR_034131
## 7153	NM_001102450_intron_6_0_chr1_182646918_r	0	NM_001102450
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## 7155	NM_001102450_intron_4_0_chr1_182666034_r	0	NM_001102450
## 7156	NM_001102450_intron_3_0_chr1_182666974_r	0	NM_001102450
## 7157	NM_001102450_intron_2_0_chr1_182669753_r	0	NM_001102450
## 7158	NM_001102450_intron_1_0_chr1_182671731_r	0	NM_001102450
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## 7163	NM_001345928_intron_8_0_chr1_182903162_r	0	NM_001345928
## 7164	NM_001345928_intron_7_0_chr1_182904431_r	0	NM_001345928
## 7165	NM_001345928_intron_6_0_chr1_182905650_r	0	NM_001345928
## 7166	NM_001345928_intron_5_0_chr1_182929753_r	0	NM_001345928
## 7167	NM_001345928_intron_4_0_chr1_182939395_r	0	NM_001345928
## 7168	NM_001345928_intron_3_0_chr1_182939554_r	0	NM_001345928
## 7169	NM_001345928_intron_2_0_chr1_182940544_r	0	NM_001345928
## 7170	NM_001345928_intron_1_0_chr1_182951468_r	0	NM_001345928
## 7171	NM_001345928_intron_0_0_chr1_182951990_r	0	NM_001345928
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## 7173	NR_149048_intron_1_0_chr1_183138581_r	0	NR_149048
## 7174	NR_149048_intron_0_0_chr1_183140970_r	0	NR_149048
## 7175	NM_170706_intron_0_0_chr1_183293794_r	0	NM_170706
## 7176	NR_040063_intron_3_0_chr1_183461669_r	0	NR_040063
## 7177	NR_040063_intron_2_0_chr1_183461962_r	0	NR_040063
## 7178	NR_040063_intron_1_0_chr1_183469800_r	0	NR_040063
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## 7180	NM_203454_intron_0_0_chr1_183648812_r	0	NM_203454
## 7181	NM_001363643_intron_2_0_chr1_184054864_f	0	NM_001363643
## 7182	NR_125335_intron_2_0_chr1_184054864_f	0	NR_125335
## 7183	NR_125335_intron_3_0_chr1_184058241_f	0	NR_125335
## 7184	NR_135118_intron_19_0_chr1_184694473_r	0	NR_135118
## 7185	NR_135118_intron_18_0_chr1_184701545_r	0	NR_135118
## 7186	NR_135118_intron_16_0_chr1_184706828_r	0	NR_135118
## 7187	NR_146489_intron_0_0_chr1_185001628_f	0	NR_146489
## 7188	NM_001202423_intron_0_0_chr1_185151936_r	0	NM_001202423
## 7189	NR_038424_intron_2_0_chr1_185324029_r	0	NR_038424
## 7190	NR_038424_intron_1_0_chr1_185333303_r	0	NR_038424
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## 7194	NM_001127710_intron_1_0_chr1_186296952_f	0	NM_001127710
## 7195	NM_001127708_intron_2_0_chr1_186301712_f	0	NM_001127708

## 7196	NM_001127708_intron_3_0_chr1_186304258_f	0	NM_001127708
## 7197	NM_001127708_intron_4_0_chr1_186304923_f	0	NM_001127708
## 7198	NM_001303232_intron_4_0_chr1_186304258_f	0	NM_001303232
## 7199	NM_022576_intron_1_0_chr1_186444507_r	0	NM_022576
## 7200	NM_022576_intron_0_0_chr1_186446578_r	0	NM_022576
## 7201	NM_002597_intron_1_0_chr1_186446578_r	0	NM_002597
## 7202	NM_002597_intron_0_0_chr1_186449484_r	0	NM_002597
## 7203	NR_126002_intron_2_0_chr1_186451275_f	0	NR_126002
## 7204	NR_132374_intron_0_0_chr1_187443727_f	0	NR_132374
## 7205	NR_132374_intron_1_0_chr1_187470193_f	0	NR_132374
## 7206	NR_110716_intron_0_0_chr1_190478493_f	0	NR_110716
## 7207	NR_110716_intron_1_0_chr1_190479141_f	0	NR_110716
## 7208	NR_110717_intron_0_0_chr1_190478632_f	0	NR_110717
## 7209	NR_146892_intron_0_0_chr1_191221313_r	0	NR_146892
## 7210	NM_001039152_intron_0_0_chr1_192317106_f	0	NM_001039152
## 7211	NM_001039152_intron_1_0_chr1_192343048_f	0	NM_001039152
## 7212	NM_001039152_intron_2_0_chr1_192347390_f	0	NM_001039152
## 7213	NM_001039152_intron_3_0_chr1_192352214_f	0	NM_001039152
## 7214	NM_002927_intron_2_0_chr1_192638204_f	0	NM_002927
## 7215	NM_001350851_intron_0_0_chr1_193051818_r	0	NM_001350851
## 7216	NM_001350844_intron_0_0_chr1_193051818_r	0	NM_001350844
## 7217	NM_016066_intron_0_0_chr1_193101205_r	0	NM_016066
## 7218	NM_001243399_intron_0_0_chr1_193101205_r	0	NM_001243399
## 7219	NM_001166624_intron_0_0_chr1_196774945_f	0	NM_001166624
## 7220	NM_001166624_intron_1_0_chr1_196779357_f	0	NM_001166624
## 7221	NM_001166624_intron_2_0_chr1_196779974_f	0	NM_001166624
## 7222	NM_001166624_intron_3_0_chr1_196790228_f	0	NM_001166624
## 7223	NM_001379310_intron_0_0_chr1_196819903_f	0	NM_001379310
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## 7225	NM_001379310_intron_2_0_chr1_196828247_f	0	NM_001379310
## 7226	NM_001379309_intron_0_0_chr1_196819903_f	0	NM_001379309
## 7227	NM_001379309_intron_1_0_chr1_196825672_f	0	NM_001379309
## 7228	NM_001379308_intron_0_0_chr1_196819903_f	0	NM_001379308
## 7229	NM_001379307_intron_0_0_chr1_196819903_f	0	NM_001379307
## 7230	NM_001379306_intron_0_0_chr1_196819903_f	0	NM_001379306
## 7231	NM_001379312_intron_0_0_chr1_196819903_f	0	NM_001379312
## 7232	NM_001379311_intron_0_0_chr1_196819903_f	0	NM_001379311
## 7233	NM_001379311_intron_1_0_chr1_196825672_f	0	NM_001379311
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## 7235	NM_021023_intron_3_0_chr1_196788399_f	0	NM_021023
## 7236	NM_001312672_intron_0_0_chr1_196943939_f	0	NM_001312672
## 7237	NM_001312672_intron_1_0_chr1_196958074_f	0	NM_001312672
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## 7239	NM_006684_intron_1_0_chr1_196902616_f	0	NM_006684
## 7240	NM_006684_intron_2_0_chr1_196912923_f	0	NM_006684
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## 7247	NM_001201551_intron_4_0_chr1_196907499_f	0	NM_001201551
## 7248	NM_001201551_intron_5_0_chr1_196910479_f	0	NM_001201551
## 7249	NM_005666_intron_0_0_chr1_196943939_f	0	NM_005666

## 7250	NM_005666_intron_1_0_chr1_196949650_f	0	NM_005666
## 7251	NM_005666_intron_2_0_chr1_196951029_f	0	NM_005666
## 7252	NM_001994_intron_10_0_chr1_197039412_r	0	NM_001994
## 7253	NM_001994_intron_9_0_chr1_197040736_r	0	NM_001994
## 7254	NM_001994_intron_8_0_chr1_197050880_r	0	NM_001994
## 7255	NM_001994_intron_7_0_chr1_197052835_r	0	NM_001994
## 7256	NM_001994_intron_6_0_chr1_197055898_r	0	NM_001994
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## 7258	NM_001994_intron_4_0_chr1_197057466_r	0	NM_001994
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## 7264	NM_001376863_intron_2_0_chr1_198523565_r	0	NM_001376863
## 7265	NM_001376863_intron_1_0_chr1_198529182_r	0	NM_001376863
## 7266	NM_001376863_intron_0_0_chr1_198536725_r	0	NM_001376863
## 7267	NM_001376862_intron_0_0_chr1_198536697_r	0	NM_001376862
## 7268	NM_001320218_intron_0_0_chr1_198540686_r	0	NM_001320218
## 7269	NM_001376861_intron_0_0_chr1_198529182_r	0	NM_001376861
## 7270	NR_110525_intron_1_0_chr1_198992999_r	0	NR_110525
## 7271	NR_110525_intron_0_0_chr1_199008569_r	0	NR_110525
## 7272	NR_126351_intron_1_0_chr1_199041673_f	0	NR_126351
## 7273	NR_040064_intron_3_0_chr1_200343411_r	0	NR_040064
## 7274	NR_040064_intron_2_0_chr1_200368872_r	0	NR_040064
## 7275	NR_040064_intron_1_0_chr1_200371166_r	0	NR_040064
## 7276	NR_040064_intron_0_0_chr1_200373170_r	0	NR_040064
## 7277	NM_001349800_intron_0_0_chr1_200666752_r	0	NM_001349800
## 7278	NM_001349804_intron_3_0_chr1_200644518_r	0	NM_001349804
## 7279	NM_001320182_intron_1_0_chr1_200649227_r	0	NM_001320182
## 7280	NM_001142569_intron_0_0_chr1_200895088_f	0	NM_001142569
## 7281	NM_001367289_intron_8_0_chr1_200912078_f	0	NM_001367289
## 7282	NM_001367290_intron_5_0_chr1_200907888_f	0	NM_001367290
## 7283	NM_001252100_intron_33_0_chr1_200974195_r	0	NM_001252100
## 7284	NM_001288564_intron_0_0_chr1_201153960_r	0	NM_001288564
## 7285	NM_001288568_intron_0_0_chr1_201153960_r	0	NM_001288568
## 7286	NM_001288569_intron_0_0_chr1_201153960_r	0	NM_001288569
## 7287	NR_109920_intron_4_0_chr1_201143952_r	0	NR_109920
## 7288	NR_109920_intron_3_0_chr1_201145336_r	0	NR_109920
## 7289	NM_001001430_intron_14_0_chr1_201359256_r	0	NM_001001430
## 7290	NM_001001430_intron_13_0_chr1_201359664_r	0	NM_001001430
## 7291	NM_001001430_intron_12_0_chr1_201361370_r	0	NM_001001430
## 7292	NM_001001430_intron_11_0_chr1_201362026_r	0	NM_001001430
## 7293	NM_001001430_intron_10_0_chr1_201362116_r	0	NM_001001430
## 7294	NM_001001430_intron_9_0_chr1_201363407_r	0	NM_001001430
## 7295	NM_001001430_intron_8_0_chr1_201364376_r	0	NM_001001430
## 7296	NM_001001430_intron_7_0_chr1_201365308_r	0	NM_001001430
## 7297	NM_001001430_intron_6_0_chr1_201365671_r	0	NM_001001430
## 7298	NM_001001430_intron_5_0_chr1_201366872_r	0	NM_001001430
## 7299	NM_001001430_intron_4_0_chr1_201367807_r	0	NM_001001430
## 7300	NM_001001430_intron_3_0_chr1_201368228_r	0	NM_001001430
## 7301	NM_001001430_intron_2_0_chr1_201372042_r	0	NM_001001430
## 7302	NM_001001430_intron_1_0_chr1_201372156_r	0	NM_001001430
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## 7308	NM_001001432_intron_2_0_chr1_201368228_r	0	NM_001001432
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## 7315	NM_003281_intron_2_0_chr1_201414650_r	0	NM_003281
## 7316	NM_003281_intron_1_0_chr1_201415255_r	0	NM_003281
## 7317	NM_003281_intron_0_0_chr1_201417813_r	0	NM_003281
## 7318	NM_005558_intron_8_0_chr1_201381894_r	0	NM_005558
## 7319	NM_005558_intron_7_0_chr1_201382327_r	0	NM_005558
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## 7324	NM_005558_intron_2_0_chr1_201385806_r	0	NM_005558
## 7325	NM_005558_intron_1_0_chr1_201387179_r	0	NM_005558
## 7326	NM_005558_intron_0_0_chr1_201389304_r	0	NM_005558
## 7327	NM_001276346_intron_8_0_chr1_201364376_r	0	NM_001276346
## 7328	NM_001276346_intron_5_0_chr1_201367804_r	0	NM_001276346
## 7329	NR_073080_intron_1_0_chr1_201466179_r	0	NR_073080
## 7330	NR_073080_intron_0_0_chr1_201467584_r	0	NR_073080
## 7331	NM_001193572_intron_0_0_chr1_201496305_r	0	NM_001193572
## 7332	NM_001193571_intron_0_0_chr1_201496305_r	0	NM_001193571
## 7333	NM_001193570_intron_3_0_chr1_201485377_r	0	NM_001193570
## 7334	NR_160748_intron_0_0_chr1_201507420_f	0	NR_160748
## 7335	NR_160748_intron_1_0_chr1_201530176_f	0	NR_160748
## 7336	NR_030775_intron_0_0_chr1_201888782_f	0	NR_030775
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## 7338	NM_012134_intron_0_0_chr1_201900752_r	0	NM_012134
## 7339	NR_146472_intron_0_0_chr1_202000328_r	0	NR_146472
## 7340	NM_001114309_intron_0_0_chr1_202010821_f	0	NM_001114309
## 7341	NM_004433_intron_0_0_chr1_202010707_f	0	NM_004433
## 7342	NR_002930_intron_3_0_chr1_202170045_f	0	NR_002930
## 7343	NR_002930_intron_7_0_chr1_202177939_f	0	NR_002930
## 7344	NR_002930_intron_8_0_chr1_202180390_f	0	NR_002930
## 7345	NR_002930_intron_10_0_chr1_202181937_f	0	NR_002930
## 7346	NR_002930_intron_12_0_chr1_202183475_f	0	NR_002930
## 7347	NR_002930_intron_13_0_chr1_202183660_f	0	NR_002930
## 7348	NR_002930_intron_14_0_chr1_202184780_f	0	NR_002930
## 7349	NR_002930_intron_15_0_chr1_202186430_f	0	NR_002930
## 7350	NR_002930_intron_16_0_chr1_202186692_f	0	NR_002930
## 7351	NR_002930_intron_18_0_chr1_202187357_f	0	NR_002930
## 7352	NR_002930_intron_19_0_chr1_202187542_f	0	NR_002930
## 7353	NM_001199797_intron_0_0_chr1_202159451_r	0	NM_001199797
## 7354	NM_001364877_intron_2_0_chr1_202157821_r	0	NM_001364877
## 7355	NM_004767_intron_0_0_chr1_202123594_f	0	NM_004767
## 7356	NR_038135_intron_0_0_chr1_202820386_f	0	NR_038135
## 7357	NR_038135_intron_1_0_chr1_202823907_f	0	NR_038135

## 7358	NR_002929_intron_0_0_chr1_202861810_f	0	NR_002929
## 7359	NR_002929_intron_1_0_chr1_202872280_f	0	NR_002929
## 7360	NR_136531_intron_6_0_chr1_203020949_f	0	NR_136531
## 7361	NR_036557_intron_3_0_chr1_202987663_r	0	NR_036557
## 7362	NR_036557_intron_2_0_chr1_202988606_r	0	NR_036557
## 7363	NR_036557_intron_1_0_chr1_202990394_r	0	NR_036557
## 7364	NR_036557_intron_0_0_chr1_202991245_r	0	NR_036557
## 7365	NM_001322957_intron_5_0_chr1_203018562_f	0	NM_001322957
## 7366	NM_001290629_intron_0_0_chr1_202954308_r	0	NM_001290629
## 7367	NM_002479_intron_1_0_chr1_203084032_r	0	NM_002479
## 7368	NM_002479_intron_0_0_chr1_203084729_r	0	NM_002479
## 7369	NR_160550_intron_0_0_chr1_203083980_f	0	NR_160550
## 7370	NR_160550_intron_1_0_chr1_203084574_f	0	NR_160550
## 7371	NR_117097_intron_1_0_chr1_203288307_f	0	NR_117097
## 7372	NR_117098_intron_1_0_chr1_203288251_f	0	NR_117098
## 7373	NR_045785_intron_10_0_chr1_203217134_r	0	NR_045785
## 7374	NR_045785_intron_9_0_chr1_203217373_r	0	NR_045785
## 7375	NR_045784_intron_9_0_chr1_203217866_r	0	NR_045784
## 7376	NR_034150_intron_0_0_chr1_203301282_r	0	NR_034150
## 7377	NR_034151_intron_0_0_chr1_203304706_r	0	NR_034151
## 7378	NR_103757_intron_0_0_chr1_203342495_r	0	NR_103757
## 7379	NM_201348_intron_0_0_chr1_203475929_f	0	NM_201348
## 7380	NM_201348_intron_1_0_chr1_203484158_f	0	NM_201348
## 7381	NM_014359_intron_0_0_chr1_203494218_f	0	NM_014359
## 7382	NM_014359_intron_1_0_chr1_203496237_f	0	NM_014359
## 7383	NM_014359_intron_2_0_chr1_203497116_f	0	NM_014359
## 7384	NM_014359_intron_3_0_chr1_203498840_f	0	NM_014359
## 7385	NM_014359_intron_4_0_chr1_203499852_f	0	NM_014359
## 7386	NM_014359_intron_5_0_chr1_203503010_f	0	NM_014359
## 7387	NM_014359_intron_6_0_chr1_203503746_f	0	NM_014359
## 7388	NM_002725_intron_0_0_chr1_203475939_f	0	NM_002725
## 7389	NM_001282878_intron_0_0_chr1_203769697_f	0	NM_001282878
## 7390	NR_027902_intron_4_0_chr1_204033251_r	0	NR_027902
## 7391	NR_027902_intron_3_0_chr1_204033868_r	0	NR_027902
## 7392	NR_027902_intron_2_0_chr1_204037085_r	0	NR_027902
## 7393	NR_027902_intron_1_0_chr1_204037589_r	0	NR_027902
## 7394	NR_027902_intron_0_0_chr1_204040395_r	0	NR_027902
## 7395	NM_000537_intron_5_0_chr1_204156797_r	0	NM_000537
## 7396	NM_001297761_intron_0_0_chr1_204146765_r	0	NM_001297761
## 7397	NR_123739_intron_0_0_chr1_204141477_f	0	NR_123739
## 7398	NR_123739_intron_1_0_chr1_204142261_f	0	NR_123739
## 7399	NM_002256_intron_1_0_chr1_204190798_r	0	NM_002256
## 7400	NM_002256_intron_0_0_chr1_204192915_r	0	NM_002256
## 7401	NM_001297760_intron_5_0_chr1_204134695_r	0	NM_001297760
## 7402	NM_001297762_intron_1_0_chr1_204141458_r	0	NM_001297762
## 7403	NM_001278518_intron_4_0_chr1_204532247_f	0	NM_001278518
## 7404	NM_001278517_intron_1_0_chr1_204525597_f	0	NM_001278517
## 7405	NM_001278519_intron_2_0_chr1_204526435_f	0	NM_001278519
## 7406	NM_001204172_intron_1_0_chr1_204525597_f	0	NM_001204172
## 7407	NM_006338_intron_1_0_chr1_204620219_r	0	NM_006338
## 7408	NM_006338_intron_0_0_chr1_204682998_r	0	NM_006338
## 7409	NM_001378331_intron_0_0_chr1_204871071_f	0	NM_001378331
## 7410	NM_005076_intron_0_0_chr1_205043395_f	0	NM_005076
## 7411	NM_005076_intron_1_0_chr1_205053256_f	0	NM_005076

## 7412	NM_005076_intron_2_0_chr1_205058066_f	0	NM_005076
## 7413	NM_005076_intron_3_0_chr1_205058357_f	0	NM_005076
## 7414	NM_005076_intron_4_0_chr1_205058664_f	0	NM_005076
## 7415	NM_005076_intron_5_0_chr1_205059294_f	0	NM_005076
## 7416	NM_005076_intron_6_0_chr1_205059683_f	0	NM_005076
## 7417	NM_005076_intron_7_0_chr1_205061421_f	0	NM_005076
## 7418	NM_005076_intron_8_0_chr1_205062002_f	0	NM_005076
## 7419	NM_005076_intron_9_0_chr1_205062570_f	0	NM_005076
## 7420	NM_005076_intron_10_0_chr1_205064473_f	0	NM_005076
## 7421	NM_005076_intron_11_0_chr1_205064751_f	0	NM_005076
## 7422	NM_005076_intron_12_0_chr1_205065263_f	0	NM_005076
## 7423	NM_005076_intron_13_0_chr1_205065910_f	0	NM_005076
## 7424	NM_005076_intron_14_0_chr1_205066600_f	0	NM_005076
## 7425	NM_005076_intron_15_0_chr1_205067251_f	0	NM_005076
## 7426	NM_005076_intron_16_0_chr1_205069562_f	0	NM_005076
## 7427	NM_005076_intron_17_0_chr1_205070062_f	0	NM_005076
## 7428	NM_005076_intron_18_0_chr1_205070539_f	0	NM_005076
## 7429	NM_005076_intron_19_0_chr1_205072134_f	0	NM_005076
## 7430	NM_005076_intron_20_0_chr1_205072596_f	0	NM_005076
## 7431	NM_005076_intron_21_0_chr1_205073237_f	0	NM_005076
## 7432	NM_001346083_intron_0_0_chr1_205043043_f	0	NM_001346083
## 7433	NR_144350_intron_16_0_chr1_205069562_f	0	NR_144350
## 7434	NM_018203_intron_1_0_chr1_205339809_r	0	NM_018203
## 7435	NM_018203_intron_0_0_chr1_205343794_r	0	NM_018203
## 7436	NR_038425_intron_0_0_chr1_205373435_f	0	NR_038425
## 7437	NR_038425_intron_1_0_chr1_205379326_f	0	NR_038425
## 7438	NR_038425_intron_2_0_chr1_205382145_f	0	NR_038425
## 7439	NM_001271865_intron_2_0_chr1_205343794_r	0	NM_001271865
## 7440	NM_001271865_intron_1_0_chr1_205348591_r	0	NM_001271865
## 7441	NM_001271865_intron_0_0_chr1_205356570_r	0	NM_001271865
## 7442	NM_001271863_intron_3_0_chr1_205343794_r	0	NM_001271863
## 7443	NM_001271863_intron_2_0_chr1_205344459_r	0	NM_001271863
## 7444	NR_148934_intron_0_0_chr1_205456224_f	0	NR_148934
## 7445	NR_148934_intron_1_0_chr1_205457078_f	0	NR_148934
## 7446	NR_103783_intron_0_0_chr1_205437332_r	0	NR_103783
## 7447	NR_027086_intron_2_0_chr1_205556845_r	0	NR_027086
## 7448	NR_027086_intron_1_0_chr1_205558302_r	0	NR_027086
## 7449	NR_027086_intron_0_0_chr1_205558551_r	0	NR_027086
## 7450	NR_152721_intron_2_0_chr1_205557471_r	0	NR_152721
## 7451	NM_181644_intron_0_0_chr1_205569300_f	0	NM_181644
## 7452	NM_181644_intron_1_0_chr1_205579950_f	0	NM_181644
## 7453	NM_181644_intron_2_0_chr1_205580922_f	0	NM_181644
## 7454	NM_181644_intron_3_0_chr1_205584124_f	0	NM_181644
## 7455	NM_181644_intron_4_0_chr1_205584992_f	0	NM_181644
## 7456	NM_181644_intron_5_0_chr1_205586208_f	0	NM_181644
## 7457	NM_181644_intron_8_0_chr1_205599252_f	0	NM_181644
## 7458	NR_046097_intron_0_0_chr1_205862599_f	0	NR_046097
## 7459	NR_046097_intron_1_0_chr1_205891310_f	0	NR_046097
## 7460	NR_046098_intron_0_0_chr1_205890487_f	0	NR_046098
## 7461	NR_046098_intron_1_0_chr1_205891310_f	0	NR_046098
## 7462	NM_152491_intron_9_0_chr1_205832767_r	0	NM_152491
## 7463	NM_152491_intron_8_0_chr1_205840324_r	0	NM_152491
## 7464	NM_152491_intron_7_0_chr1_205841890_r	0	NM_152491
## 7465	NM_152491_intron_6_0_chr1_205842216_r	0	NM_152491

## 7466	NM_152491_intron_5_0_chr1_205842752_r	0	NM_152491
## 7467	NM_152491_intron_4_0_chr1_205843787_r	0	NM_152491
## 7468	NM_152491_intron_3_0_chr1_205844218_r	0	NM_152491
## 7469	NM_152491_intron_1_0_chr1_205845558_r	0	NM_152491
## 7470	NM_152491_intron_0_0_chr1_205847972_r	0	NM_152491
## 7471	NR_135186_intron_6_0_chr1_205841890_r	0	NR_135186
## 7472	NM_001317331_intron_0_0_chr1_206022268_r	0	NM_001317331
## 7473	NR_110984_intron_0_0_chr1_205934954_f	0	NR_110984
## 7474	NR_110984_intron_1_0_chr1_205935768_f	0	NR_110984
## 7475	NR_110984_intron_2_0_chr1_205971785_f	0	NR_110984
## 7476	NR_110983_intron_0_0_chr1_205935197_f	0	NR_110983
## 7477	NM_000707_intron_0_0_chr1_206110524_r	0	NM_000707
## 7478	NM_001007544_intron_0_0_chr1_206053266_f	0	NM_001007544
## 7479	NM_001385248_intron_0_0_chr1_206202006_r	0	NM_001385248
## 7480	NM_001385249_intron_0_0_chr1_206202006_r	0	NM_001385249
## 7481	NM_001385251_intron_0_0_chr1_206199885_r	0	NM_001385251
## 7482	NR_134239_intron_0_0_chr1_206201890_r	0	NR_134239
## 7483	NM_001317901_intron_0_0_chr1_206199885_r	0	NM_001317901
## 7484	NM_001385241_intron_0_0_chr1_206204062_r	0	NM_001385241
## 7485	NM_001385242_intron_0_0_chr1_206203559_r	0	NM_001385242
## 7486	NM_001385245_intron_0_0_chr1_206204038_r	0	NM_001385245
## 7487	NM_001385240_intron_0_0_chr1_206204062_r	0	NM_001385240
## 7488	NM_001201478_intron_4_0_chr1_206600309_r	0	NM_001201478
## 7489	NR_168467_intron_0_0_chr1_206769895_r	0	NR_168467
## 7490	NR_168466_intron_3_0_chr1_206769895_r	0	NR_168466
## 7491	NR_168466_intron_2_0_chr1_206770320_r	0	NR_168466
## 7492	NM_002644_intron_8_0_chr1_206931556_r	0	NM_002644
## 7493	NM_002644_intron_7_0_chr1_206931803_r	0	NM_002644
## 7494	NM_002644_intron_6_0_chr1_206932578_r	0	NM_002644
## 7495	NM_002644_intron_5_0_chr1_206933167_r	0	NM_002644
## 7496	NM_002644_intron_4_0_chr1_206934747_r	0	NM_002644
## 7497	NM_002644_intron_3_0_chr1_206935819_r	0	NM_002644
## 7498	NM_002644_intron_2_0_chr1_206937752_r	0	NM_002644
## 7499	NM_002644_intron_1_0_chr1_206939464_r	0	NM_002644
## 7500	NM_002644_intron_0_0_chr1_206940585_r	0	NM_002644
## 7501	NM_001185158_intron_0_0_chr1_206897616_f	0	NM_001185158
## 7502	NM_001185158_intron_1_0_chr1_206897877_f	0	NM_001185158
## 7503	NM_001185158_intron_2_0_chr1_206900358_f	0	NM_001185158
## 7504	NM_001185157_intron_1_0_chr1_206897877_f	0	NM_001185157
## 7505	NM_001185157_intron_2_0_chr1_206899516_f	0	NM_001185157
## 7506	NM_006850_intron_1_0_chr1_206897877_f	0	NM_006850
## 7507	NM_006850_intron_3_0_chr1_206900358_f	0	NM_006850
## 7508	NM_001385166_intron_0_0_chr1_206863608_f	0	NM_001385166
## 7509	NM_001385166_intron_1_0_chr1_206865687_f	0	NM_001385166
## 7510	NM_001385166_intron_2_0_chr1_206866012_f	0	NM_001385166
## 7511	NM_001385166_intron_3_0_chr1_206866365_f	0	NM_001385166
## 7512	NM_001385166_intron_4_0_chr1_206866637_f	0	NM_001385166
## 7513	NM_001385166_intron_5_0_chr1_206867459_f	0	NM_001385166
## 7514	NM_001385167_intron_0_0_chr1_206863608_f	0	NM_001385167
## 7515	NM_001385167_intron_1_0_chr1_206865427_f	0	NM_001385167
## 7516	NM_001385165_intron_3_0_chr1_206866637_f	0	NM_001385165
## 7517	NM_001083924_intron_1_0_chr1_207023481_r	0	NM_001083924
## 7518	NM_001083924_intron_0_0_chr1_207025065_r	0	NM_001083924
## 7519	NM_001276320_intron_1_0_chr1_207050848_r	0	NM_001276320

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## 7522	NM_023938_intron_0_0_chr1_207027680_r	0	NM_023938
## 7523	NM_000715_intron_3_0_chr1_207115516_f	0	NM_000715
## 7524	NM_000715_intron_6_0_chr1_207126896_f	0	NM_000715
## 7525	NM_175710_intron_3_0_chr1_207683958_f	0	NM_175710
## 7526	NM_175710_intron_9_0_chr1_207708264_f	0	NM_175710
## 7527	NR_135298_intron_3_0_chr1_207802663_r	0	NR_135298
## 7528	NR_135298_intron_2_0_chr1_207806098_r	0	NR_135298
## 7529	NR_135298_intron_0_0_chr1_207817415_r	0	NR_135298
## 7530	NR_135299_intron_1_0_chr1_207817415_r	0	NR_135299
## 7531	NR_135299_intron_0_0_chr1_207819147_r	0	NR_135299
## 7532	NM_172350_intron_8_0_chr1_207785107_f	0	NM_172350
## 7533	NM_172357_intron_5_0_chr1_207767196_f	0	NM_172357
## 7534	NR_167982_intron_0_0_chr1_207959076_f	0	NR_167982
## 7535	NR_167982_intron_1_0_chr1_207960240_f	0	NR_167982
## 7536	NR_167983_intron_1_0_chr1_207960240_f	0	NR_167983
## 7537	NR_146914_intron_0_0_chr1_208728735_f	0	NR_146914
## 7538	NR_146914_intron_1_0_chr1_208729278_f	0	NR_146914
## 7539	NR_146914_intron_2_0_chr1_208730076_f	0	NR_146914
## 7540	NR_146915_intron_0_0_chr1_208972777_f	0	NR_146915
## 7541	NR_135085_intron_0_0_chr1_209325581_f	0	NR_135085
## 7542	NR_135085_intron_1_0_chr1_209327473_f	0	NR_135085
## 7543	NR_146491_intron_0_0_chr1_209372215_f	0	NR_146491
## 7544	NR_146491_intron_1_0_chr1_209373555_f	0	NR_146491
## 7545	NR_145437_intron_0_0_chr1_209429089_f	0	NR_145437
## 7546	NR_145437_intron_1_0_chr1_209429409_f	0	NR_145437
## 7547	NR_145437_intron_2_0_chr1_209430477_f	0	NR_145437
## 7548	NR_145436_intron_0_0_chr1_209428883_f	0	NR_145436
## 7549	NR_145436_intron_1_0_chr1_209429409_f	0	NR_145436
## 7550	NR_145435_intron_1_0_chr1_209429409_f	0	NR_145435
## 7551	NR_145435_intron_2_0_chr1_209431826_f	0	NR_145435
## 7552	NR_145434_intron_2_0_chr1_209430477_f	0	NR_145434
## 7553	NM_000228_intron_16_0_chr1_209622681_r	0	NM_000228
## 7554	NM_000228_intron_0_0_chr1_209650982_r	0	NM_000228
## 7555	NM_001127641_intron_0_0_chr1_209650982_r	0	NM_001127641
## 7556	NR_109871_intron_10_0_chr1_209775737_f	0	NR_109871
## 7557	NM_001320143_intron_0_0_chr1_209758855_f	0	NM_001320143
## 7558	NM_006147_intron_0_0_chr1_209802044_r	0	NM_006147
## 7559	NM_001206696_intron_0_0_chr1_209796553_r	0	NM_001206696
## 7560	NR_024337_intron_0_0_chr1_210231772_r	0	NR_024337
## 7561	NR_046784_intron_0_0_chr1_211133027_r	0	NR_046784
## 7562	NM_145759_intron_0_0_chr1_211346423_f	0	NM_145759
## 7563	NM_004619_intron_0_0_chr1_211326674_f	0	NM_004619
## 7564	NM_183059_intron_0_0_chr1_211481430_r	0	NM_183059
## 7565	NR_131925_intron_0_0_chr1_211639890_f	0	NR_131925
## 7566	NR_131925_intron_1_0_chr1_211640361_f	0	NR_131925
## 7567	NR_135818_intron_0_0_chr1_211829804_f	0	NR_135818
## 7568	NR_135818_intron_1_0_chr1_211831413_f	0	NR_135818
## 7569	NR_135819_intron_0_0_chr1_211829919_f	0	NR_135819
## 7570	NR_135819_intron_1_0_chr1_211831413_f	0	NR_135819
## 7571	NR_135819_intron_2_0_chr1_211839534_f	0	NR_135819
## 7572	NR_135820_intron_0_0_chr1_211831041_f	0	NR_135820
## 7573	NR_135820_intron_2_0_chr1_211839534_f	0	NR_135820

## 7574	NR_135820_intron_3_0_chr1_211851607_f	0	NR_135820
## 7575	NR_135820_intron_4_0_chr1_211851773_f	0	NR_135820
## 7576	NR_125982_intron_2_0_chr1_212213196_r	0	NR_125982
## 7577	NR_125982_intron_1_0_chr1_212214777_r	0	NR_125982
## 7578	NR_125984_intron_1_0_chr1_212230260_r	0	NR_125984
## 7579	NR_125984_intron_0_0_chr1_212238977_r	0	NR_125984
## 7580	NR_125985_intron_0_0_chr1_212545766_f	0	NR_125985
## 7581	NR_125985_intron_1_0_chr1_212554449_f	0	NR_125985
## 7582	NM_001206488_intron_0_0_chr1_212608931_f	0	NM_001206488
## 7583	NM_001206484_intron_0_0_chr1_212608931_f	0	NM_001206484
## 7584	NM_001206484_intron_1_0_chr1_212610848_f	0	NM_001206484
## 7585	NM_001146169_intron_8_0_chr1_212812329_f	0	NM_001146169
## 7586	NM_001363590_intron_6_0_chr1_212804652_f	0	NM_001363590
## 7587	NM_001024601_intron_1_0_chr1_212830262_r	0	NM_001024601
## 7588	NM_001024601_intron_0_0_chr1_212836188_r	0	NM_001024601
## 7589	NM_001136474_intron_1_0_chr1_212951393_f	0	NM_001136474
## 7590	NM_001136475_intron_0_0_chr1_212950741_f	0	NM_001136475
## 7591	NM_024749_intron_2_0_chr1_212961255_f	0	NM_024749
## 7592	NM_001300757_intron_0_0_chr1_213008467_r	0	NM_001300757
## 7593	NM_001300753_intron_1_0_chr1_213008467_r	0	NM_001300753
## 7594	NM_001300753_intron_0_0_chr1_213011459_r	0	NM_001300753
## 7595	NM_001300755_intron_0_0_chr1_213011459_r	0	NM_001300755
## 7596	NR_125992_intron_0_0_chr1_216072601_f	0	NR_125992
## 7597	NR_125992_intron_1_0_chr1_216079202_f	0	NR_125992
## 7598	NR_125993_intron_0_0_chr1_216072601_f	0	NR_125993
## 7599	NR_125784_intron_1_0_chr1_217781284_r	0	NR_125784
## 7600	NR_125784_intron_0_0_chr1_217782300_r	0	NR_125784
## 7601	NR_048550_intron_0_0_chr1_217892927_f	0	NR_048550
## 7602	NR_048550_intron_1_0_chr1_217911982_f	0	NR_048550
## 7603	NR_048550_intron_2_0_chr1_217918305_f	0	NR_048550
## 7604	NR_110794_intron_0_0_chr1_218044598_f	0	NR_110794
## 7605	NR_110794_intron_1_0_chr1_218046254_f	0	NR_110794
## 7606	NR_110794_intron_2_0_chr1_218051263_f	0	NR_110794
## 7607	NR_046268_intron_1_0_chr1_218344463_r	0	NR_046268
## 7608	NR_046268_intron_0_0_chr1_218345389_r	0	NR_046268
## 7609	NR_146760_intron_0_0_chr1_218510188_f	0	NR_146760
## 7610	NR_146760_intron_1_0_chr1_218523451_f	0	NR_146760
## 7611	NR_146917_intron_3_0_chr1_218913016_r	0	NR_146917
## 7612	NR_146917_intron_2_0_chr1_218915319_r	0	NR_146917
## 7613	NR_146917_intron_1_0_chr1_218916184_r	0	NR_146917
## 7614	NR_146917_intron_0_0_chr1_218918298_r	0	NR_146917
## 7615	NM_001300772_intron_0_0_chr1_219175021_f	0	NM_001300772
## 7616	NM_001300769_intron_1_0_chr1_219179247_f	0	NM_001300769
## 7617	NM_001350628_intron_2_0_chr1_219179427_f	0	NM_001350628
## 7618	NM_001350629_intron_2_0_chr1_219179427_f	0	NM_001350629
## 7619	NM_001355457_intron_0_0_chr1_219612564_r	0	NM_001355457
## 7620	NM_018713_intron_0_0_chr1_219927106_r	0	NM_018713
## 7621	NR_046437_intron_0_0_chr1_219927144_r	0	NR_046437
## 7622	NR_110797_intron_0_0_chr1_220829443_f	0	NR_110797
## 7623	NR_110797_intron_1_0_chr1_220830908_f	0	NR_110797
## 7624	NR_110797_intron_2_0_chr1_220831384_f	0	NR_110797
## 7625	NM_001331042_intron_3_0_chr1_220763051_f	0	NM_001331042
## 7626	NR_024236_intron_0_0_chr1_221333986_r	0	NR_024236
## 7627	NR_111939_intron_0_0_chr1_221706467_r	0	NR_111939

## 7628	NR_125989_intron_2_0_chr1_221827757_r	0	NR_125989
## 7629	NR_125989_intron_1_0_chr1_221834347_r	0	NR_125989
## 7630	NR_125989_intron_0_0_chr1_221840454_r	0	NR_125989
## 7631	NR_149057_intron_0_0_chr1_221918713_r	0	NR_149057
## 7632	NR_149071_intron_0_0_chr1_221966503_f	0	NR_149071
## 7633	NR_149071_intron_1_0_chr1_221983144_f	0	NR_149071
## 7634	NM_024746_intron_7_0_chr1_222522888_r	0	NM_024746
## 7635	NM_024746_intron_6_0_chr1_222523695_r	0	NM_024746
## 7636	NM_024746_intron_5_0_chr1_222527051_r	0	NM_024746
## 7637	NM_024746_intron_4_0_chr1_222532112_r	0	NM_024746
## 7638	NM_024746_intron_3_0_chr1_222538775_r	0	NM_024746
## 7639	NM_024746_intron_2_0_chr1_222540342_r	0	NM_024746
## 7640	NM_024746_intron_1_0_chr1_222542156_r	0	NM_024746
## 7641	NM_024746_intron_0_0_chr1_222544190_r	0	NM_024746
## 7642	NR_110613_intron_0_0_chr1_222589963_f	0	NR_110613
## 7643	NM_001324065_intron_20_0_chr1_222662333_f	0	NM_001324065
## 7644	NM_001324065_intron_21_0_chr1_222662530_f	0	NM_001324065
## 7645	NR_136691_intron_0_0_chr1_222737323_f	0	NR_136691
## 7646	NR_136691_intron_1_0_chr1_222738022_f	0	NR_136691
## 7647	NR_136691_intron_3_0_chr1_222747082_f	0	NR_136691
## 7648	NM_001324080_intron_2_0_chr1_222747082_f	0	NM_001324080
## 7649	NR_132119_intron_5_0_chr1_223961233_r	0	NR_132119
## 7650	NR_110669_intron_0_0_chr1_224209012_r	0	NR_110669
## 7651	NR_110668_intron_0_0_chr1_224219903_f	0	NR_110668
## 7652	NR_110668_intron_1_0_chr1_224223829_f	0	NR_110668
## 7653	NM_001321542_intron_0_0_chr1_224183832_f	0	NM_001321542
## 7654	NM_001349912_intron_2_0_chr1_224955099_f	0	NM_001349912
## 7655	NM_001349911_intron_5_0_chr1_224967515_f	0	NM_001349911
## 7656	NM_003240_intron_2_0_chr1_225937805_r	0	NM_003240
## 7657	NM_003240_intron_1_0_chr1_225939601_r	0	NM_003240
## 7658	NM_003240_intron_0_0_chr1_225940003_r	0	NM_003240
## 7659	NM_001172425_intron_1_0_chr1_225939872_r	0	NM_001172425
## 7660	NM_020997_intron_2_0_chr1_225887091_r	0	NM_020997
## 7661	NM_020997_intron_1_0_chr1_225887639_r	0	NM_020997
## 7662	NM_020997_intron_0_0_chr1_225888033_r	0	NM_020997
## 7663	NR_146920_intron_0_0_chr1_226083969_f	0	NR_146920
## 7664	NR_146920_intron_1_0_chr1_226087054_f	0	NR_146920
## 7665	NM_001379047_intron_0_0_chr1_226062490_f	0	NM_001379047
## 7666	NM_001379046_intron_0_0_chr1_226062385_f	0	NM_001379046
## 7667	NM_001379045_intron_1_0_chr1_226062812_f	0	NM_001379045
## 7668	NM_001379043_intron_0_0_chr1_226062095_f	0	NM_001379043
## 7669	NR_146443_intron_0_0_chr1_226148069_f	0	NR_146443
## 7670	NM_001282402_intron_0_0_chr1_226224075_f	0	NM_001282402
## 7671	NM_001270410_intron_0_0_chr1_226301206_r	0	NM_001270410
## 7672	NM_001366240_intron_1_0_chr1_226287798_r	0	NM_001366240
## 7673	NM_001366241_intron_1_0_chr1_226297833_r	0	NM_001366241
## 7674	NM_001366238_intron_1_0_chr1_226297811_r	0	NM_001366238
## 7675	NM_001366237_intron_9_0_chr1_226239097_r	0	NM_001366237
## 7676	NM_001003665_intron_1_0_chr1_226596982_f	0	NM_001003665
## 7677	NM_001003665_intron_2_0_chr1_226597410_f	0	NM_001003665
## 7678	NR_036753_intron_0_0_chr1_227697167_r	0	NR_036753
## 7679	NM_001323932_intron_1_0_chr1_227731748_f	0	NM_001323932
## 7680	NM_001323935_intron_3_0_chr1_227767084_f	0	NM_001323935
## 7681	NM_001323934_intron_0_0_chr1_227735731_f	0	NM_001323934

## 7682	NM_001323933_intron_0_0_chr1_227728285_f	0	NM_001323933
## 7683	NM_001323931_intron_0_0_chr1_227735500_f	0	NM_001323931
## 7684	NM_001323931_intron_1_0_chr1_227739303_f	0	NM_001323931
## 7685	NR_168380_intron_0_0_chr1_227787152_f	0	NR_168380
## 7686	NR_168381_intron_0_0_chr1_227787152_f	0	NR_168381
## 7687	NR_168382_intron_0_0_chr1_227787468_f	0	NR_168382
## 7688	NR_168383_intron_0_0_chr1_227788012_f	0	NR_168383
## 7689	NR_168384_intron_0_0_chr1_227788900_f	0	NR_168384
## 7690	NR_168385_intron_0_0_chr1_227788900_f	0	NR_168385
## 7691	NR_136655_intron_3_0_chr1_227767084_f	0	NR_136655
## 7692	NR_136655_intron_4_0_chr1_227768365_f	0	NR_136655
## 7693	NR_136654_intron_0_0_chr1_227728787_f	0	NR_136654
## 7694	NM_001374657_intron_0_0_chr1_227815865_f	0	NM_001374657
## 7695	NM_001374657_intron_1_0_chr1_227816253_f	0	NM_001374657
## 7696	NM_001374657_intron_2_0_chr1_227817481_f	0	NM_001374657
## 7697	NM_183062_intron_2_0_chr1_227817481_f	0	NM_183062
## 7698	NM_183062_intron_3_0_chr1_227845613_f	0	NM_183062
## 7699	NR_153418_intron_0_0_chr1_227967163_f	0	NR_153418
## 7700	NR_153418_intron_1_0_chr1_227967448_f	0	NR_153418
## 7701	NM_033131_intron_0_0_chr1_228007200_f	0	NM_033131
## 7702	NM_033131_intron_1_0_chr1_228022909_f	0	NM_033131
## 7703	NM_033131_intron_2_0_chr1_228050922_f	0	NM_033131
## 7704	NM_020435_intron_0_0_chr1_228150008_f	0	NM_020435
## 7705	NR_130975_intron_6_0_chr1_228101474_r	0	NR_130975
## 7706	NR_130975_intron_5_0_chr1_228101915_r	0	NR_130975
## 7707	NR_103539_intron_0_0_chr1_228164493_r	0	NR_103539
## 7708	NR_103540_intron_0_0_chr1_228164493_r	0	NR_103540
## 7709	NM_181462_intron_2_0_chr1_228108085_r	0	NM_181462
## 7710	NM_181455_intron_2_0_chr1_228108322_r	0	NM_181455
## 7711	NR_073155_intron_0_0_chr1_228204156_r	0	NR_073155
## 7712	NR_073154_intron_2_0_chr1_228206651_r	0	NR_073154
## 7713	NR_073154_intron_1_0_chr1_228209765_r	0	NR_073154
## 7714	NM_001024940_intron_5_0_chr1_228408752_r	0	NM_001024940
## 7715	NM_001024940_intron_4_0_chr1_228409276_r	0	NM_001024940
## 7716	NM_001024940_intron_3_0_chr1_228409412_r	0	NM_001024940
## 7717	NM_001024940_intron_0_0_chr1_228415078_r	0	NM_001024940
## 7718	NM_016102_intron_0_0_chr1_228415114_r	0	NM_016102
## 7719	NM_001134855_intron_0_0_chr1_228415078_r	0	NM_001134855
## 7720	NM_001287262_intron_0_0_chr1_228512005_r	0	NM_001287262
## 7721	NR_002834_intron_0_0_chr1_228645033_f	0	NR_002834
## 7722	NR_039659_intron_0_0_chr1_229174723_r	0	NR_039659
## 7723	NR_149312_intron_1_0_chr1_229259121_r	0	NR_149312
## 7724	NR_149313_intron_0_0_chr1_229259121_r	0	NR_149313
## 7725	NM_145257_intron_0_0_chr1_229342514_r	0	NM_145257
## 7726	NM_001100_intron_5_0_chr1_229431643_r	0	NM_001100
## 7727	NM_001100_intron_4_0_chr1_229431903_r	0	NM_001100
## 7728	NM_001100_intron_3_0_chr1_229432186_r	0	NM_001100
## 7729	NM_001100_intron_2_0_chr1_229432432_r	0	NM_001100
## 7730	NM_001100_intron_1_0_chr1_229432881_r	0	NM_001100
## 7731	NM_001100_intron_0_0_chr1_229433128_r	0	NM_001100
## 7732	NR_110630_intron_0_0_chr1_229508680_f	0	NR_110630
## 7733	NR_110630_intron_1_0_chr1_229510241_f	0	NR_110630
## 7734	NR_146476_intron_0_0_chr1_229875722_r	0	NR_146476
## 7735	NR_146473_intron_1_0_chr1_229885175_r	0	NR_146473

## 7736	NR_146473_intron_0_0_chr1_229885819_r	0	NR_146473
## 7737	NR_146474_intron_0_0_chr1_229885175_r	0	NR_146474
## 7738	NR_146475_intron_0_0_chr1_229885175_r	0	NR_146475
## 7739	NR_146479_intron_0_0_chr1_230592841_r	0	NR_146479
## 7740	NM_001382817_intron_0_0_chr1_230710854_r	0	NM_001382817
## 7741	NM_001319676_intron_0_0_chr1_230747710_f	0	NM_001319676
## 7742	NM_001319676_intron_1_0_chr1_230762787_f	0	NM_001319676
## 7743	NM_001319676_intron_2_0_chr1_230767710_f	0	NM_001319676
## 7744	NM_001319676_intron_3_0_chr1_230769264_f	0	NM_001319676
## 7745	NM_001319676_intron_4_0_chr1_230772100_f	0	NM_001319676
## 7746	NM_001319676_intron_5_0_chr1_230774632_f	0	NM_001319676
## 7747	NM_001319676_intron_6_0_chr1_230779134_f	0	NM_001319676
## 7748	NM_001319676_intron_7_0_chr1_230780337_f	0	NM_001319676
## 7749	NM_001319676_intron_8_0_chr1_230780709_f	0	NM_001319676
## 7750	NM_001319676_intron_9_0_chr1_230786018_f	0	NM_001319676
## 7751	NM_001319676_intron_10_0_chr1_230787603_f	0	NM_001319676
## 7752	NM_001319676_intron_11_0_chr1_230790190_f	0	NM_001319676
## 7753	NM_001319676_intron_12_0_chr1_230791929_f	0	NM_001319676
## 7754	NM_001319676_intron_13_0_chr1_230792495_f	0	NM_001319676
## 7755	NM_001319676_intron_14_0_chr1_230792929_f	0	NM_001319676
## 7756	NM_001319676_intron_15_0_chr1_230795280_f	0	NM_001319676
## 7757	NM_001319676_intron_16_0_chr1_230798221_f	0	NM_001319676
## 7758	NM_006615_intron_0_0_chr1_230747710_f	0	NM_006615
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## 7760	NM_006615_intron_2_0_chr1_230759631_f	0	NM_006615
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## 7762	NR_110681_intron_0_0_chr1_230875156_f	0	NR_110681
## 7763	NR_110681_intron_1_0_chr1_230875566_f	0	NR_110681
## 7764	NM_001136494_intron_1_0_chr1_230868403_r	0	NM_001136494
## 7765	NM_001136494_intron_0_0_chr1_230868916_r	0	NM_001136494
## 7766	NM_001136495_intron_0_0_chr1_230855719_r	0	NM_001136495
## 7767	NM_001346992_intron_2_0_chr1_230990264_f	0	NM_001346992
## 7768	NR_144538_intron_5_0_chr1_230999802_f	0	NR_144538
## 7769	NR_166514_intron_1_0_chr1_231185237_r	0	NR_166514
## 7770	NR_166514_intron_0_0_chr1_231186174_r	0	NR_166514
## 7771	NM_001164553_intron_2_0_chr1_231702025_f	0	NM_001164553
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## 7773	NM_001164552_intron_3_0_chr1_231720925_f	0	NM_001164552
## 7774	NM_001164550_intron_2_0_chr1_231702025_f	0	NM_001164550
## 7775	NM_001164550_intron_3_0_chr1_231721073_f	0	NM_001164550
## 7776	NM_001012958_intron_1_0_chr1_231694806_f	0	NM_001012958
## 7777	NR_126441_intron_0_0_chr1_231925951_f	0	NR_126441
## 7778	NR_126441_intron_1_0_chr1_231941051_f	0	NR_126441
## 7779	NR_126441_intron_2_0_chr1_231943960_f	0	NR_126441
## 7780	NR_146922_intron_0_0_chr1_232718093_f	0	NR_146922
## 7781	NR_146922_intron_1_0_chr1_232718889_f	0	NR_146922
## 7782	NR_110683_intron_2_0_chr1_232728690_r	0	NR_110683
## 7783	NR_110683_intron_1_0_chr1_232730782_r	0	NR_110683
## 7784	NR_110683_intron_0_0_chr1_232735751_r	0	NR_110683
## 7785	NR_138027_intron_0_0_chr1_232951133_f	0	NR_138027
## 7786	NM_001329452_intron_2_0_chr1_232956448_f	0	NM_001329452
## 7787	NR_138025_intron_0_0_chr1_232950745_f	0	NR_138025
## 7788	NR_138024_intron_1_0_chr1_232956448_f	0	NR_138024
## 7789	NR_038426_intron_1_0_chr1_234530343_r	0	NR_038426

## 7790	NR_038426_intron_0_0_chr1_234531182_r	0	NR_038426
## 7791	NR_125944_intron_0_0_chr1_234646506_f	0	NR_125944
## 7792	NR_125944_intron_1_0_chr1_234655465_f	0	NR_125944
## 7793	NR_125944_intron_2_0_chr1_234656234_f	0	NR_125944
## 7794	NR_038856_intron_0_0_chr1_234724083_f	0	NR_038856
## 7795	NR_033927_intron_0_0_chr1_234629748_f	0	NR_033927
## 7796	NR_125945_intron_2_0_chr1_234957522_r	0	NR_125945
## 7797	NR_027454_intron_2_0_chr1_235065614_r	0	NR_027454
## 7798	NR_027454_intron_1_0_chr1_235067944_r	0	NR_027454
## 7799	NR_027454_intron_0_0_chr1_235068503_r	0	NR_027454
## 7800	NM_001037277_intron_0_0_chr1_235328499_f	0	NM_001037277
## 7801	NM_001371478_intron_0_0_chr1_235330501_f	0	NM_001371478
## 7802	NM_001371477_intron_0_0_chr1_235327499_f	0	NM_001371477
## 7803	NM_001277155_intron_1_0_chr1_235494829_r	0	NM_001277155
## 7804	NM_004485_intron_0_0_chr1_235583849_r	0	NM_004485
## 7805	NM_001098721_intron_0_0_chr1_235595512_r	0	NM_001098721
## 7806	NM_006499_intron_0_0_chr1_236523625_f	0	NM_006499
## 7807	NM_201545_intron_0_0_chr1_236518285_f	0	NM_201545
## 7808	NM_201545_intron_1_0_chr1_236518501_f	0	NM_201545
## 7809	NM_021186_intron_10_0_chr1_237882550_r	0	NM_021186
## 7810	NM_021186_intron_9_0_chr1_237882847_r	0	NM_021186
## 7811	NM_021186_intron_8_0_chr1_237884848_r	0	NM_021186
## 7812	NM_021186_intron_7_0_chr1_237885316_r	0	NM_021186
## 7813	NM_021186_intron_6_0_chr1_237885581_r	0	NM_021186
## 7814	NM_021186_intron_5_0_chr1_237885887_r	0	NM_021186
## 7815	NM_021186_intron_4_0_chr1_237886869_r	0	NM_021186
## 7816	NM_021186_intron_3_0_chr1_237887562_r	0	NM_021186
## 7817	NM_021186_intron_2_0_chr1_237888511_r	0	NM_021186
## 7818	NM_021186_intron_1_0_chr1_237889970_r	0	NM_021186
## 7819	NM_021186_intron_0_0_chr1_237890177_r	0	NM_021186
## 7820	NR_046582_intron_0_0_chr1_239898393_r	0	NR_046582
## 7821	NR_036695_intron_0_0_chr1_240007838_f	0	NR_036695
## 7822	NM_003686_intron_12_0_chr1_241885508_f	0	NM_003686
## 7823	NM_130398_intron_1_0_chr1_241849028_f	0	NM_130398
## 7824	NM_001004343_intron_2_0_chr1_241996386_r	0	NM_001004343
## 7825	NM_001004343_intron_1_0_chr1_241998621_r	0	NM_001004343
## 7826	NM_001004343_intron_0_0_chr1_241998832_r	0	NM_001004343
## 7827	NR_029401_intron_14_0_chr1_243059669_r	0	NR_029401
## 7828	NR_029401_intron_13_0_chr1_243060538_r	0	NR_029401
## 7829	NR_029401_intron_11_0_chr1_243067288_r	0	NR_029401
## 7830	NR_029401_intron_4_0_chr1_243091597_r	0	NR_029401
## 7831	NR_029401_intron_3_0_chr1_243092195_r	0	NR_029401
## 7832	NM_001276348_intron_0_0_chr1_244352735_f	0	NM_001276348
## 7833	NM_001276348_intron_1_0_chr1_244364757_f	0	NM_001276348
## 7834	NM_001276348_intron_2_0_chr1_244375468_f	0	NM_001276348
## 7835	NM_001276348_intron_3_0_chr1_244378640_f	0	NM_001276348
## 7836	NM_001276349_intron_2_0_chr1_244375468_f	0	NM_001276349
## 7837	NM_001012970_intron_2_0_chr1_244375468_f	0	NM_001012970
## 7838	NR_111907_intron_0_0_chr1_244969980_r	0	NR_111907
## 7839	NR_151721_intron_3_0_chr1_245206794_r	0	NR_151721
## 7840	NR_151721_intron_2_0_chr1_245214207_r	0	NR_151721
## 7841	NR_151721_intron_1_0_chr1_245216304_r	0	NR_151721
## 7842	NR_151721_intron_0_0_chr1_245226143_r	0	NR_151721
## 7843	NR_040002_intron_1_0_chr1_246516831_r	0	NR_040002

## 7844	NR_040002_intron_0_0_chr1_246517780_r	0	NR_040002
## 7845	NM_001139459_intron_0_0_chr1_246566790_f	0	NM_001139459
## 7846	NM_015446_intron_24_0_chr1_246867352_r	0	NM_015446
## 7847	NM_015446_intron_15_0_chr1_246890060_r	0	NM_015446
## 7848	NM_015446_intron_14_0_chr1_246891061_r	0	NM_015446
## 7849	NM_015446_intron_0_0_chr1_246918378_r	0	NM_015446
## 7850	NM_001323343_intron_34_0_chr1_246840999_r	0	NM_001323343
## 7851	NM_001204221_intron_3_0_chr1_246967793_r	0	NM_001204221
## 7852	NR_147502_intron_0_0_chr1_247105641_f	0	NR_147502
## 7853	NR_147502_intron_1_0_chr1_247106152_f	0	NR_147502
## 7854	NM_001297569_intron_2_0_chr1_247157208_r	0	NM_001297569
## 7855	NR_027309_intron_2_0_chr1_247525934_r	0	NR_027309
## 7856	NR_027309_intron_1_0_chr1_247526747_r	0	NR_027309
## 7857	NR_027309_intron_0_0_chr1_247528423_r	0	NR_027309
## 7858	NM_001281834_intron_0_0_chr1_247507234_f	0	NM_001281834
## 7859	NM_001281834_intron_1_0_chr1_247527055_f	0	NM_001281834
## 7860	NM_001281834_intron_2_0_chr1_247538792_f	0	NM_001281834
## 7861	NM_001281835_intron_1_0_chr1_247527055_f	0	NM_001281835
## 7862	NM_001281836_intron_1_0_chr1_247527055_f	0	NM_001281836
## 7863	NM_001281838_intron_1_0_chr1_247527055_f	0	NM_001281838
## 7864	NM_198074_intron_0_0_chr1_247532541_r	0	NM_198074
## 7865	NM_001281853_intron_1_0_chr1_247527055_f	0	NM_001281853
## 7866	NM_001281837_intron_0_0_chr1_247518609_f	0	NM_001281837
## 7867	NR_125950_intron_0_0_chr1_248697208_f	0	NR_125950
## 7868	NM_001085474_intron_1_0_chr1_248751131_r	0	NM_001085474
## 7869	NM_001085474_intron_0_0_chr1_248755387_r	0	NM_001085474
## 7870	NM_001291283_intron_0_0_chr1_248751131_r	0	NM_001291283
## 7871	NM_001350073_intron_2_0_chr1_248857498_r	0	NM_001350073
## 7872	NM_001350072_intron_5_0_chr1_248855944_r	0	NM_001350072
## 7873	NM_001136036_intron_0_0_chr1_248858322_r	0	NM_001136036
## 7874	NM_001193328_intron_0_0_chr1_248858322_r	0	NM_001193328
## 7875	NM_001322463_intron_3_0_chr1_248814611_r	0	NM_001322463
## 7876	NM_001322463_intron_2_0_chr1_248814878_r	0	NM_001322463
## 7877	NR_110620_intron_12_0_chr2_201288782_r	0	NR_110620
## 7878	NR_110620_intron_10_0_chr2_201289860_r	0	NR_110620
## 7879	NR_110620_intron_5_0_chr2_201330834_r	0	NR_110620
## 7880	NR_110620_intron_3_0_chr2_201346676_r	0	NR_110620
## 7881	NR_110620_intron_0_0_chr2_201351452_r	0	NR_110620
## 7882	NM_001289993_intron_0_0_chr2_201351452_r	0	NM_001289993
## 7883	NR_110564_intron_0_0_chr2_67086556_f	0	NR_110564
## 7884	NR_110564_intron_1_0_chr2_67265193_f	0	NR_110564
## 7885	NR_110564_intron_2_0_chr2_67268639_f	0	NR_110564
## 7886	NR_110564_intron_3_0_chr2_67287819_f	0	NR_110564
## 7887	NM_139163_intron_11_0_chr2_201289855_r	0	NM_139163
## 7888	NM_001319205_intron_1_0_chr2_25161753_r	0	NM_001319205
## 7889	NM_001319205_intron_0_0_chr2_25164823_r	0	NM_001319205
## 7890	NM_001319204_intron_1_0_chr2_25164823_r	0	NM_001319204
## 7891	NM_001319204_intron_0_0_chr2_25165686_r	0	NM_001319204
## 7892	NM_001330082_intron_20_0_chr2_49922252_r	0	NM_001330082
## 7893	NM_001330082_intron_19_0_chr2_49943792_r	0	NM_001330082
## 7894	NM_001330082_intron_18_0_chr2_50053591_r	0	NM_001330082
## 7895	NM_001330082_intron_17_0_chr2_50055045_r	0	NM_001330082
## 7896	NM_001330082_intron_16_0_chr2_50091495_r	0	NM_001330082
## 7897	NM_001330082_intron_15_0_chr2_50236971_r	0	NM_001330082

## 7898	NM_001330082_intron_14_0_chr2_50465562_r	0 NM_001330082
## 7899	NM_001330082_intron_13_0_chr2_50472472_r	0 NM_001330082
## 7900	NM_001330082_intron_12_0_chr2_50496096_r	0 NM_001330082
## 7901	NM_001330082_intron_11_0_chr2_50497715_r	0 NM_001330082
## 7902	NM_001330082_intron_10_0_chr2_50506618_r	0 NM_001330082
## 7903	NM_001330082_intron_9_0_chr2_50528652_r	0 NM_001330082
## 7904	NM_001330082_intron_8_0_chr2_50531431_r	0 NM_001330082
## 7905	NM_001330082_intron_7_0_chr2_50538637_r	0 NM_001330082
## 7906	NM_001330082_intron_6_0_chr2_50553026_r	0 NM_001330082
## 7907	NM_001330082_intron_5_0_chr2_50620184_r	0 NM_001330082
## 7908	NM_001330082_intron_4_0_chr2_50623618_r	0 NM_001330082
## 7909	NM_001330082_intron_3_0_chr2_50631106_r	0 NM_001330082
## 7910	NM_001330082_intron_2_0_chr2_50922688_r	0 NM_001330082
## 7911	NM_001330082_intron_1_0_chr2_50925956_r	0 NM_001330082
## 7912	NM_001330082_intron_0_0_chr2_51029195_r	0 NM_001330082
## 7913	NM_001330096_intron_13_0_chr2_50053591_r	0 NM_001330096
## 7914	NM_001330096_intron_6_0_chr2_50506618_r	0 NM_001330096
## 7915	NM_001330096_intron_1_0_chr2_50623616_r	0 NM_001330096
## 7916	NM_000939_intron_0_0_chr2_25164793_r	0 NM_000939
## 7917	NM_001349975_intron_1_0_chr2_33447944_f	0 NM_001349975
## 7918	NM_001349975_intron_2_0_chr2_33481305_f	0 NM_001349975
## 7919	NM_138735_intron_4_0_chr2_49922252_r	0 NM_138735
## 7920	NM_138735_intron_0_0_chr2_50236971_r	0 NM_138735
## 7921	NM_001035256_intron_1_0_chr2_25164793_r	0 NM_001035256
## 7922	NM_001349977_intron_0_0_chr2_33476708_f	0 NM_001349977
## 7923	NM_001330084_intron_3_0_chr2_50620184_r	0 NM_001330084
## 7924	NM_001330084_intron_2_0_chr2_50621250_r	0 NM_001330084
## 7925	NM_001330085_intron_6_0_chr2_50620184_r	0 NM_001330085
## 7926	NM_001330088_intron_2_0_chr2_50623616_r	0 NM_001330088
## 7927	NM_001330088_intron_1_0_chr2_50922688_r	0 NM_001330088
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## 7929	NR_033873_intron_2_0_chr2_58850607_f	0 NR_033873
## 7930	NR_033873_intron_3_0_chr2_58912747_f	0 NR_033873
## 7931	NR_033873_intron_9_0_chr2_59022983_f	0 NR_033873
## 7932	NR_033873_intron_10_0_chr2_59024991_f	0 NR_033873
## 7933	NR_033873_intron_11_0_chr2_59033216_f	0 NR_033873
## 7934	NM_015376_intron_0_0_chr2_33514020_f	0 NM_015376
## 7935	NM_001330093_intron_1_0_chr2_50925953_r	0 NM_001330093
## 7936	NM_001349978_intron_1_0_chr2_33447944_f	0 NM_001349978
## 7937	NM_001135659_intron_2_0_chr2_50925956_r	0 NM_001135659
## 7938	NM_001135659_intron_1_0_chr2_51026470_r	0 NM_001135659
## 7939	NR_161189_intron_2_0_chr2_41938614_r	0 NR_161189
## 7940	NR_161189_intron_1_0_chr2_41947572_r	0 NR_161189
## 7941	NR_161189_intron_0_0_chr2_41953309_r	0 NR_161189
## 7942	NM_001135032_intron_2_0_chr2_75493610_r	0 NM_001135032
## 7943	NM_001135032_intron_1_0_chr2_75518209_r	0 NM_001135032
## 7944	NM_001135032_intron_0_0_chr2_75522488_r	0 NM_001135032
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## 7946	NM_001369525_intron_1_0_chr2_75522488_r	0 NM_001369525
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## 7948	NM_001369524_intron_0_0_chr2_75560920_r	0 NM_001369524
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## 7950	NM_006898_intron_1_0_chr2_176164169_f	0 NM_006898
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## 7955	NM_020981_intron_3_0_chr2_167818794_f	0	NM_020981
## 7956	NM_001375499_intron_0_0_chr2_209424277_f	0	NM_001375499
## 7957	NM_001375499_intron_3_0_chr2_209653433_f	0	NM_001375499
## 7958	NM_001375499_intron_5_0_chr2_209680828_f	0	NM_001375499
## 7959	NM_001375499_intron_6_0_chr2_209700339_f	0	NM_001375499
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## 7961	NM_001375509_intron_0_0_chr2_209579439_f	0	NM_001375509
## 7962	NM_001375509_intron_5_0_chr2_209680828_f	0	NM_001375509
## 7963	NM_001375509_intron_6_0_chr2_209692727_f	0	NM_001375509
## 7964	NM_001375509_intron_7_0_chr2_209697052_f	0	NM_001375509
## 7965	NM_001375509_intron_10_0_chr2_209710255_f	0	NM_001375509
## 7966	NM_001375497_intron_0_0_chr2_209424277_f	0	NM_001375497
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## 7968	NM_001375497_intron_5_0_chr2_209678686_f	0	NM_001375497
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## 7971	NM_001375559_intron_0_0_chr2_209661679_f	0	NM_001375559
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## 7991	NR_164699_intron_2_0_chr2_209680828_f	0	NR_164699
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## 7994	NM_001329844_intron_22_0_chr2_1801800_r	0	NM_001329844
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## 7997	NM_001329844_intron_19_0_chr2_1840844_r	0	NM_001329844
## 7998	NM_001329844_intron_18_0_chr2_1851704_r	0	NM_001329844
## 7999	NM_001329844_intron_17_0_chr2_1886608_r	0	NM_001329844
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## 8002	NM_001329844_intron_14_0_chr2_1892288_r	0	NM_001329844
## 8003	NM_001329844_intron_13_0_chr2_1903295_r	0	NM_001329844
## 8004	NM_001329844_intron_12_0_chr2_1910348_r	0	NM_001329844
## 8005	NM_001329844_intron_11_0_chr2_1912111_r	0	NM_001329844

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## 8008	NM_001329844_intron_8_0_chr2_1943335_r	0	NM_001329844
## 8009	NM_001329844_intron_7_0_chr2_1979228_r	0	NM_001329844
## 8010	NM_001329844_intron_6_0_chr2_1979555_r	0	NM_001329844
## 8011	NM_001329844_intron_5_0_chr2_1979778_r	0	NM_001329844
## 8012	NM_001329844_intron_4_0_chr2_1997348_r	0	NM_001329844
## 8013	NM_001329844_intron_3_0_chr2_2054124_r	0	NM_001329844
## 8014	NM_001329844_intron_2_0_chr2_2172989_r	0	NM_001329844
## 8015	NM_001329844_intron_1_0_chr2_2284504_r	0	NM_001329844
## 8016	NM_001329844_intron_0_0_chr2_2326112_r	0	NM_001329844
## 8017	NM_001303052_intron_0_0_chr2_2284504_r	0	NM_001303052
## 8018	NM_001329852_intron_22_0_chr2_1792465_r	0	NM_001329852
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## 8021	NM_001329848_intron_0_0_chr2_2284504_r	0	NM_001329848
## 8022	NM_018968_intron_0_0_chr2_951069_f	0	NM_018968
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## 8024	NM_018968_intron_2_0_chr2_1098253_f	0	NM_018968
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## 8033	NM_018968_intron_11_0_chr2_1247444_f	0	NM_018968
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## 8035	NM_018968_intron_13_0_chr2_1267572_f	0	NM_018968
## 8036	NM_018968_intron_14_0_chr2_1308587_f	0	NM_018968
## 8037	NM_018968_intron_15_0_chr2_1316376_f	0	NM_018968
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## 8040	NM_001321834_intron_0_0_chr2_9424961_f	0	NM_001321834
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## 8043	NM_014668_intron_3_0_chr2_11566657_f	0	NM_014668
## 8044	NM_014668_intron_6_0_chr2_11580833_f	0	NM_014668
## 8045	NM_014668_intron_8_0_chr2_11585906_f	0	NM_014668
## 8046	NM_014668_intron_9_0_chr2_11588932_f	0	NM_014668
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## 8049	NM_014668_intron_14_0_chr2_11598861_f	0	NM_014668
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## 8051	NM_014668_intron_16_0_chr2_11602543_f	0	NM_014668
## 8052	NM_014668_intron_17_0_chr2_11611028_f	0	NM_014668
## 8053	NM_014668_intron_30_0_chr2_11637917_f	0	NM_014668
## 8054	NM_001321836_intron_0_0_chr2_9424053_f	0	NM_001321836
## 8055	NM_001321836_intron_1_0_chr2_9426623_f	0	NM_001321836
## 8056	NM_001321835_intron_3_0_chr2_9430881_f	0	NM_001321835
## 8057	NM_001006657_intron_10_0_chr2_19960615_r	0	NM_001006657
## 8058	NM_001006657_intron_9_0_chr2_19962328_r	0	NM_001006657
## 8059	NM_199346_intron_0_0_chr2_24122548_r	0	NM_199346

## 8060	NM_001318951_intron_6_0_chr2_27255461_r	0	NM_001318951
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## 8062	NM_001318951_intron_0_0_chr2_27258935_r	0	NM_001318951
## 8063	NM_001329115_intron_12_0_chr2_28310370_f	0	NM_001329115
## 8064	NM_001329114_intron_11_0_chr2_28310370_f	0	NM_001329114
## 8065	NM_001329112_intron_0_0_chr2_27888756_f	0	NM_001329112
## 8066	NM_004304_intron_23_0_chr2_29209879_r	0	NM_004304
## 8067	NM_004304_intron_19_0_chr2_29222608_r	0	NM_004304
## 8068	NM_004304_intron_18_0_chr2_29223529_r	0	NM_004304
## 8069	NM_004304_intron_17_0_chr2_29225566_r	0	NM_004304
## 8070	NM_004304_intron_16_0_chr2_29227075_r	0	NM_004304
## 8071	NM_004304_intron_15_0_chr2_29227673_r	0	NM_004304
## 8072	NM_004304_intron_14_0_chr2_29229067_r	0	NM_004304
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## 8077	NM_004304_intron_9_0_chr2_29275228_r	0	NM_004304
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## 8082	NM_004304_intron_4_0_chr2_29328482_r	0	NM_004304
## 8083	NM_004304_intron_3_0_chr2_29383860_r	0	NM_004304
## 8084	NM_004304_intron_2_0_chr2_29532117_r	0	NM_004304
## 8085	NM_004304_intron_1_0_chr2_29695015_r	0	NM_004304
## 8086	NM_004304_intron_0_0_chr2_29717698_r	0	NM_004304
## 8087	NR_137440_intron_11_0_chr2_28310154_f	0	NR_137440
## 8088	NM_001318949_intron_1_0_chr2_27258935_r	0	NM_001318949
## 8089	NM_001318949_intron_0_0_chr2_27264083_r	0	NM_001318949
## 8090	NM_001318950_intron_0_0_chr2_27275252_r	0	NM_001318950
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## 8092	NM_001177969_intron_8_0_chr2_36775068_f	0	NM_001177969
## 8093	NM_001177971_intron_7_0_chr2_36773848_f	0	NM_001177971
## 8094	NM_001177970_intron_8_0_chr2_36775068_f	0	NM_001177970
## 8095	NM_001328661_intron_7_0_chr2_36773848_f	0	NM_001328661
## 8096	NR_135237_intron_0_0_chr2_51033017_f	0	NR_135237
## 8097	NR_135237_intron_1_0_chr2_51052455_f	0	NR_135237
## 8098	NR_135237_intron_2_0_chr2_51328490_f	0	NR_135237
## 8099	NR_135237_intron_3_0_chr2_51378174_f	0	NR_135237
## 8100	NR_135237_intron_4_0_chr2_51527661_f	0	NR_135237
## 8101	NR_135237_intron_5_0_chr2_51762175_f	0	NR_135237
## 8102	NR_135237_intron_6_0_chr2_51861489_f	0	NR_135237
## 8103	NR_135237_intron_7_0_chr2_52316301_f	0	NR_135237
## 8104	NR_135237_intron_8_0_chr2_52351287_f	0	NR_135237
## 8105	NR_135237_intron_9_0_chr2_52352963_f	0	NR_135237
## 8106	NM_001354217_intron_5_0_chr2_62831159_f	0	NM_001354217
## 8107	NM_001354217_intron_6_0_chr2_62858511_f	0	NM_001354217
## 8108	NM_001354212_intron_0_0_chr2_62705641_f	0	NM_001354212
## 8109	NM_001348407_intron_0_0_chr2_64988555_f	0	NM_001348407
## 8110	NM_001354220_intron_0_0_chr2_62705723_f	0	NM_001354220
## 8111	NM_001354216_intron_0_0_chr2_62706755_f	0	NM_001354216
## 8112	NM_001142615_intron_0_0_chr2_62674084_f	0	NM_001142615
## 8113	NM_001193493_intron_3_0_chr2_65010764_f	0	NM_001193493

## 8114	NM_001378454_intron_0_0_chr2_73386193_f	0	NM_001378454
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## 8118	NM_001321734_intron_0_0_chr2_72733119_r	0	NM_001321734
## 8119	NM_001321731_intron_21_0_chr2_72179462_r	0	NM_001321731
## 8120	NM_001321733_intron_15_0_chr2_72465340_r	0	NM_001321733
## 8121	NR_135774_intron_16_0_chr2_72335021_r	0	NR_135774
## 8122	NR_135773_intron_18_0_chr2_72184188_r	0	NR_135773
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## 8125	NM_004389_intron_2_0_chr2_79744583_f	0	NM_004389
## 8126	NM_004389_intron_3_0_chr2_79858180_f	0	NM_004389
## 8127	NM_004389_intron_4_0_chr2_79869936_f	0	NM_004389
## 8128	NM_004389_intron_5_0_chr2_79874343_f	0	NM_004389
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## 8132	NM_004389_intron_9_0_chr2_80545075_f	0	NM_004389
## 8133	NM_004389_intron_10_0_chr2_80546064_f	0	NM_004389
## 8134	NM_004389_intron_11_0_chr2_80555894_f	0	NM_004389
## 8135	NM_004389_intron_12_0_chr2_80574315_f	0	NM_004389
## 8136	NM_004389_intron_13_0_chr2_80581820_f	0	NM_004389
## 8137	NM_004389_intron_14_0_chr2_80589486_f	0	NM_004389
## 8138	NM_004389_intron_15_0_chr2_80604180_f	0	NM_004389
## 8139	NM_004389_intron_16_0_chr2_80608319_f	0	NM_004389
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## 8142	NM_001282598_intron_0_0_chr2_79523310_f	0	NM_001282598
## 8143	NM_001164883_intron_15_0_chr2_80604180_f	0	NM_001164883
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## 8147	NM_198274_intron_3_0_chr2_88091143_f	0	NM_198274
## 8148	NM_198274_intron_4_0_chr2_88093556_f	0	NM_198274
## 8149	NM_198274_intron_5_0_chr2_88096785_f	0	NM_198274
## 8150	NM_198274_intron_6_0_chr2_88103151_f	0	NM_198274
## 8151	NM_198274_intron_7_0_chr2_88106489_f	0	NM_198274
## 8152	NM_198274_intron_8_0_chr2_88108540_f	0	NM_198274
## 8153	NM_001330364_intron_3_0_chr2_88091143_f	0	NM_001330364
## 8154	NM_001351426_intron_0_0_chr2_98446151_f	0	NM_001351426
## 8155	NM_001351426_intron_12_0_chr2_98546695_f	0	NM_001351426
## 8156	NM_001351426_intron_13_0_chr2_98548970_f	0	NM_001351426
## 8157	NM_001351427_intron_12_0_chr2_98546695_f	0	NM_001351427
## 8158	NM_001351429_intron_15_0_chr2_98555692_f	0	NM_001351429
## 8159	NM_001566_intron_24_0_chr2_98577144_f	0	NM_001566
## 8160	NM_001351424_intron_0_0_chr2_98444656_f	0	NM_001351424
## 8161	NM_021815_intron_0_0_chr2_107986764_f	0	NM_021815
## 8162	NM_021815_intron_1_0_chr2_107988334_f	0	NM_021815
## 8163	NM_021815_intron_2_0_chr2_107992220_f	0	NM_021815
## 8164	NM_021815_intron_3_0_chr2_107993128_f	0	NM_021815
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## 8172	NM_001305007_intron_4_0_chr2_107997987_f	0	NM_001305007
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## 8175	NM_001321343_intron_0_0_chr2_102737014_f	0	NM_001321343
## 8176	NM_001321343_intron_1_0_chr2_102757540_f	0	NM_001321343
## 8177	NM_001384548_intron_12_0_chr2_101856139_f	0	NM_001384548
## 8178	NM_001384477_intron_14_0_chr2_101859865_f	0	NM_001384477
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## 8180	NM_013992_intron_5_0_chr2_113241727_r	0	NM_013992
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## 8184	NM_013992_intron_1_0_chr2_113246920_r	0	NM_013992
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## 8187	NM_001178036_intron_1_0_chr2_114463427_f	0	NM_001178036
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## 8189	NM_001321908_intron_1_0_chr2_114463427_f	0	NM_001321908
## 8190	NM_001178037_intron_0_0_chr2_115064806_f	0	NM_001178037
## 8191	NM_001321905_intron_0_0_chr2_114462141_f	0	NM_001321905
## 8192	NM_001321905_intron_1_0_chr2_114707175_f	0	NM_001321905
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## 8200	NM_138625_intron_1_0_chr2_111123870_f	0	NM_138625
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## 8215	NM_001378003_intron_20_0_chr2_121425307_r	0	NM_001378003
## 8216	NM_001378003_intron_19_0_chr2_121427431_r	0	NM_001378003
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## 8239	NM_001367498_intron_20_0_chr2_124869763_f	0	NM_001367498
## 8240	NM_001367498_intron_21_0_chr2_124903101_f	0	NM_001367498
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## 8327	NM_018557_intron_34_0_chr2_140716817_r	0	NM_018557
## 8328	NM_018557_intron_33_0_chr2_140769345_r	0	NM_018557
## 8329	NM_018557_intron_32_0_chr2_140771007_r	0	NM_018557

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## 8347	NM_018557_intron_14_0_chr2_140994136_r	0	NM_018557
## 8348	NM_018557_intron_13_0_chr2_141005458_r	0	NM_018557
## 8349	NM_018557_intron_12_0_chr2_141013746_r	0	NM_018557
## 8350	NM_018557_intron_11_0_chr2_141015916_r	0	NM_018557
## 8351	NM_018557_intron_10_0_chr2_141020103_r	0	NM_018557
## 8352	NM_018557_intron_9_0_chr2_141049223_r	0	NM_018557
## 8353	NM_018557_intron_8_0_chr2_141055260_r	0	NM_018557
## 8354	NM_018557_intron_7_0_chr2_141059055_r	0	NM_018557
## 8355	NM_018557_intron_6_0_chr2_141062274_r	0	NM_018557
## 8356	NM_018557_intron_5_0_chr2_141188584_r	0	NM_018557
## 8357	NM_018557_intron_4_0_chr2_141229441_r	0	NM_018557
## 8358	NM_018557_intron_3_0_chr2_141247355_r	0	NM_018557
## 8359	NM_018557_intron_2_0_chr2_141254642_r	0	NM_018557
## 8360	NM_018557_intron_1_0_chr2_141480534_r	0	NM_018557
## 8361	NM_018557_intron_0_0_chr2_141810402_r	0	NM_018557
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## 8363	NM_001316349_intron_1_0_chr2_136882318_f	0	NM_001316349
## 8364	NM_001316349_intron_2_0_chr2_137057231_f	0	NM_001316349
## 8365	NM_001316349_intron_3_0_chr2_137095122_f	0	NM_001316349
## 8366	NM_001316349_intron_4_0_chr2_137115294_f	0	NM_001316349
## 8367	NM_001316349_intron_5_0_chr2_137160369_f	0	NM_001316349
## 8368	NM_001316349_intron_6_0_chr2_137170939_f	0	NM_001316349
## 8369	NM_001316349_intron_7_0_chr2_137231236_f	0	NM_001316349
## 8370	NM_001316349_intron_8_0_chr2_137233134_f	0	NM_001316349
## 8371	NM_001316349_intron_9_0_chr2_137242573_f	0	NM_001316349
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## 8374	NM_001316349_intron_12_0_chr2_137405808_f	0	NM_001316349
## 8375	NM_001316349_intron_13_0_chr2_137411873_f	0	NM_001316349
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## 8378	NM_001316349_intron_16_0_chr2_137572557_f	0	NM_001316349
## 8379	NM_001316349_intron_17_0_chr2_137616317_f	0	NM_001316349
## 8380	NM_001316349_intron_18_0_chr2_137618508_f	0	NM_001316349
## 8381	NM_001316349_intron_19_0_chr2_137620727_f	0	NM_001316349
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## 8386	NM_001316349_intron_24_0_chr2_137659747_f	0	NM_001316349
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## 8399	NM_004522_intron_18_0_chr2_148998510_f	0	NM_004522
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## 8401	NM_004522_intron_21_0_chr2_149005465_f	0	NM_004522
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## 8467	NM_033272_intron_5_0_chr2_162446444_r	0	NM_033272
## 8468	NM_033272_intron_4_0_chr2_162504658_r	0	NM_033272
## 8469	NM_033272_intron_3_0_chr2_162512675_r	0	NM_033272
## 8470	NM_033272_intron_2_0_chr2_162518159_r	0	NM_033272
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## 8475	NM_001375874_intron_0_0_chr2_172736049_f	0	NM_001375874
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## 8477	NM_001375874_intron_3_0_chr2_172814426_f	0	NM_001375874
## 8478	NM_001375874_intron_5_0_chr2_172922301_f	0	NM_001375874
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## 8483	NM_001375873_intron_25_0_chr2_173033965_f	0	NM_001375873
## 8484	NM_001282901_intron_0_0_chr2_172928347_f	0	NM_001282901
## 8485	NM_001282899_intron_0_0_chr2_172860300_f	0	NM_001282899
## 8486	NM_001375871_intron_19_0_chr2_173017505_f	0	NM_001375871
## 8487	NM_001256093_intron_11_0_chr2_175074868_r	0	NM_001256093
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## 8495	NM_001171632_intron_7_0_chr2_168851183_f	0 NM_001171632
## 8496	NM_001171632_intron_8_0_chr2_168851405_f	0 NM_001171632
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## 8504	NM_001171631_intron_2_0_chr2_168798223_f	0 NM_001171631
## 8505	NM_001171631_intron_3_0_chr2_168801204_f	0 NM_001171631
## 8506	NM_001171631_intron_11_0_chr2_168843118_f	0 NM_001171631
## 8507	NM_001171631_intron_12_0_chr2_168851007_f	0 NM_001171631
## 8508	NM_001256091_intron_2_0_chr2_175130208_r	0 NM_001256091
## 8509	NM_001375864_intron_0_0_chr2_172736426_f	0 NM_001375864
## 8510	NM_001375872_intron_25_0_chr2_173030255_f	0 NM_001375872
## 8511	NM_052946_intron_0_0_chr2_168802674_f	0 NM_052946
## 8512	NR_164739_intron_28_0_chr2_173036693_f	0 NR_164739
## 8513	NR_164739_intron_29_0_chr2_173037078_f	0 NR_164739
## 8514	NR_164741_intron_25_0_chr2_173033965_f	0 NR_164741
## 8515	NM_001003683_intron_0_0_chr2_182522387_r	0 NM_001003683
## 8516	NM_005019_intron_12_0_chr2_182147153_r	0 NM_005019
## 8517	NM_032523_intron_0_0_chr2_178194675_f	0 NM_032523
## 8518	NM_032523_intron_9_0_chr2_178339095_f	0 NM_032523
## 8519	NM_032523_intron_10_0_chr2_178339765_f	0 NM_032523
## 8520	NM_032523_intron_13_0_chr2_178372234_f	0 NM_032523
## 8521	NM_001201482_intron_12_0_chr2_178361816_f	0 NM_001201482
## 8522	NM_001201480_intron_10_0_chr2_178339765_f	0 NM_001201480
## 8523	NM_001201480_intron_11_0_chr2_178344361_f	0 NM_001201480
## 8524	NM_001258312_intron_0_0_chr2_182522387_r	0 NM_001258312
## 8525	NM_001144999_intron_0_0_chr2_186600382_f	0 NM_001144999
## 8526	NR_161166_intron_0_0_chr2_188734950_r	0 NR_161166
## 8527	NM_001321048_intron_0_0_chr2_189784565_f	0 NM_001321048
## 8528	NM_001289409_intron_1_0_chr2_189791942_f	0 NM_001289409
## 8529	NM_001321047_intron_0_0_chr2_189784771_f	0 NM_001321047
## 8530	NM_001145000_intron_3_0_chr2_186625588_f	0 NM_001145000
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## 8532	NM_001375662_intron_3_0_chr2_203382207_f	0 NM_001375662
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## 8549	NR_136588_intron_3_0_chr2_208819656_f	0	NR_136588
## 8550	NM_145280_intron_0_0_chr2_207624405_r	0	NM_145280
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## 8552	NM_001375719_intron_1_0_chr2_203346477_f	0	NM_001375719
## 8553	NM_152526_intron_9_0_chr2_205125738_f	0	NM_152526
## 8554	NR_164704_intron_1_0_chr2_203366997_f	0	NR_164704
## 8555	NR_164705_intron_1_0_chr2_203367131_f	0	NR_164705
## 8556	NR_164706_intron_3_0_chr2_203391144_f	0	NR_164706
## 8557	NR_164707_intron_3_0_chr2_203382207_f	0	NR_164707
## 8558	NR_164710_intron_1_0_chr2_203380385_f	0	NR_164710
## 8559	NR_164712_intron_8_0_chr2_203417082_f	0	NR_164712
## 8560	NR_164712_intron_9_0_chr2_203420909_f	0	NR_164712
## 8561	NR_164714_intron_1_0_chr2_203367131_f	0	NR_164714
## 8562	NR_164716_intron_1_0_chr2_203367045_f	0	NR_164716
## 8563	NR_164718_intron_1_0_chr2_203367045_f	0	NR_164718
## 8564	NM_205863_intron_18_0_chr2_205401124_f	0	NM_205863
## 8565	NM_015657_intron_43_0_chr2_214932742_r	0	NM_015657
## 8566	NM_015657_intron_42_0_chr2_214934216_r	0	NM_015657
## 8567	NM_015657_intron_41_0_chr2_214937616_r	0	NM_015657
## 8568	NM_015657_intron_40_0_chr2_214943018_r	0	NM_015657
## 8569	NM_015657_intron_39_0_chr2_214945105_r	0	NM_015657
## 8570	NM_015657_intron_38_0_chr2_214947557_r	0	NM_015657
## 8571	NM_015657_intron_37_0_chr2_214948738_r	0	NM_015657
## 8572	NM_015657_intron_36_0_chr2_214949150_r	0	NM_015657
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## 8575	NM_015657_intron_33_0_chr2_214955362_r	0	NM_015657
## 8576	NM_015657_intron_32_0_chr2_214956779_r	0	NM_015657
## 8577	NM_015657_intron_31_0_chr2_214958455_r	0	NM_015657
## 8578	NM_015657_intron_30_0_chr2_214959079_r	0	NM_015657
## 8579	NM_015657_intron_29_0_chr2_214966954_r	0	NM_015657
## 8580	NM_015657_intron_28_0_chr2_214968808_r	0	NM_015657
## 8581	NM_015657_intron_27_0_chr2_214970401_r	0	NM_015657
## 8582	NM_015657_intron_26_0_chr2_214974043_r	0	NM_015657
## 8583	NM_015657_intron_25_0_chr2_214974865_r	0	NM_015657
## 8584	NM_015657_intron_24_0_chr2_214976038_r	0	NM_015657
## 8585	NM_015657_intron_23_0_chr2_214978467_r	0	NM_015657
## 8586	NM_015657_intron_22_0_chr2_214979041_r	0	NM_015657
## 8587	NM_015657_intron_21_0_chr2_214980644_r	0	NM_015657
## 8588	NM_015657_intron_20_0_chr2_214982384_r	0	NM_015657
## 8589	NM_015657_intron_19_0_chr2_214983866_r	0	NM_015657
## 8590	NM_015657_intron_18_0_chr2_214986729_r	0	NM_015657
## 8591	NM_015657_intron_17_0_chr2_214987794_r	0	NM_015657
## 8592	NM_015657_intron_16_0_chr2_214989464_r	0	NM_015657
## 8593	NM_015657_intron_15_0_chr2_214989622_r	0	NM_015657
## 8594	NM_015657_intron_14_0_chr2_214991032_r	0	NM_015657
## 8595	NM_015657_intron_13_0_chr2_214997810_r	0	NM_015657
## 8596	NM_015657_intron_12_0_chr2_215001021_r	0	NM_015657
## 8597	NM_015657_intron_11_0_chr2_215001738_r	0	NM_015657
## 8598	NM_015657_intron_10_0_chr2_215004300_r	0	NM_015657
## 8599	NM_015657_intron_9_0_chr2_215007847_r	0	NM_015657

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## 8604	NM_015657_intron_4_0_chr2_215018133_r	0	NM_015657
## 8605	NM_015657_intron_3_0_chr2_215019449_r	0	NM_015657
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## 8611	NR_047660_intron_8_0_chr2_213490091_f	0	NR_047660
## 8612	NR_047660_intron_9_0_chr2_213862629_f	0	NR_047660
## 8613	NR_047660_intron_10_0_chr2_213930146_f	0	NR_047660
## 8614	NR_047660_intron_11_0_chr2_214014078_f	0	NR_047660
## 8615	NR_047660_intron_12_0_chr2_214108262_f	0	NR_047660
## 8616	NR_047660_intron_13_0_chr2_214149267_f	0	NR_047660
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## 8618	NM_001042599_intron_24_0_chr2_211387151_r	0	NM_001042599
## 8619	NM_001042599_intron_23_0_chr2_211420612_r	0	NM_001042599
## 8620	NM_001042599_intron_22_0_chr2_211422105_r	0	NM_001042599
## 8621	NM_001042599_intron_21_0_chr2_211424302_r	0	NM_001042599
## 8622	NM_001042599_intron_20_0_chr2_211428484_r	0	NM_001042599
## 8623	NM_001042599_intron_19_0_chr2_211431101_r	0	NM_001042599
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## 8625	NM_001042599_intron_17_0_chr2_211619276_r	0	NM_001042599
## 8626	NM_001042599_intron_16_0_chr2_211624045_r	0	NM_001042599
## 8627	NM_001042599_intron_15_0_chr2_211630595_r	0	NM_001042599
## 8628	NM_001042599_intron_14_0_chr2_211657829_r	0	NM_001042599
## 8629	NM_001042599_intron_13_0_chr2_211665478_r	0	NM_001042599
## 8630	NM_001042599_intron_12_0_chr2_211673258_r	0	NM_001042599
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## 8634	NM_001042599_intron_8_0_chr2_211705392_r	0	NM_001042599
## 8635	NM_001042599_intron_7_0_chr2_211712177_r	0	NM_001042599
## 8636	NM_001042599_intron_6_0_chr2_211713649_r	0	NM_001042599
## 8637	NM_001042599_intron_5_0_chr2_211722535_r	0	NM_001042599
## 8638	NM_001042599_intron_4_0_chr2_211725195_r	0	NM_001042599
## 8639	NM_001042599_intron_3_0_chr2_211750705_r	0	NM_001042599
## 8640	NM_001042599_intron_2_0_chr2_211788160_r	0	NM_001042599
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## 8642	NM_001042599_intron_0_0_chr2_212124904_r	0	NM_001042599
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## 8658	NM_005235_intron_24_0_chr2_211387993_r	0	NM_005235
## 8659	NR_110292_intron_1_0_chr2_214834106_f	0	NR_110292
## 8660	NR_110292_intron_2_0_chr2_214947948_f	0	NR_110292
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## 8665	NM_001372188_intron_1_0_chr2_215961259_r	0	NM_001372188
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## 8669	NM_181461_intron_4_0_chr2_222221388_r	0	NM_181461
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## 8671	NM_181461_intron_2_0_chr2_222294302_r	0	NM_181461
## 8672	NM_181461_intron_1_0_chr2_222295658_r	0	NM_181461
## 8673	NM_181461_intron_0_0_chr2_222297214_r	0	NM_181461
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## 8677	NM_181459_intron_7_0_chr2_222201443_r	0	NM_181459
## 8678	NM_181459_intron_6_0_chr2_222202191_r	0	NM_181459
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## 8680	NM_001377498_intron_0_0_chr2_219158363_r	0	NM_001377498
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## 8682	NM_001371273_intron_6_0_chr2_225651536_f	0	NM_001371273
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## 8693	NM_001367507_intron_10_0_chr2_233796314_f	0	NM_001367507
## 8694	NM_001367507_intron_11_0_chr2_233798851_f	0	NM_001367507
## 8695	NM_001367507_intron_12_0_chr2_233799900_f	0	NM_001367507
## 8696	NM_001367507_intron_13_0_chr2_233800316_f	0	NM_001367507
## 8697	NM_001367507_intron_14_0_chr2_233802316_f	0	NM_001367507
## 8698	NM_001367507_intron_15_0_chr2_233803489_f	0	NM_001367507
## 8699	NM_001367507_intron_16_0_chr2_233804193_f	0	NM_001367507
## 8700	NM_001367507_intron_17_0_chr2_233804548_f	0	NM_001367507
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## 8703	NM_001367507_intron_20_0_chr2_233807856_f	0	NM_001367507
## 8704	NM_001367507_intron_21_0_chr2_233809279_f	0	NM_001367507
## 8705	NM_001367507_intron_22_0_chr2_233810917_f	0	NM_001367507
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## 8710	NM_001367507_intron_27_0_chr2_233818126_f	0	NM_001367507
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## 8712	NM_001367507_intron_29_0_chr2_233819470_f	0	NM_001367507
## 8713	NM_001367507_intron_30_0_chr2_233820057_f	0	NM_001367507
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## 8715	NM_001367507_intron_32_0_chr2_233822557_f	0	NM_001367507
## 8716	NM_001367507_intron_33_0_chr2_233823019_f	0	NM_001367507
## 8717	NM_001367507_intron_34_0_chr2_233823671_f	0	NM_001367507
## 8718	NM_001367507_intron_35_0_chr2_233828780_f	0	NM_001367507
## 8719	NM_001367507_intron_36_0_chr2_233829073_f	0	NM_001367507
## 8720	NM_001367507_intron_37_0_chr2_233829776_f	0	NM_001367507
## 8721	NM_001367507_intron_38_0_chr2_233831541_f	0	NM_001367507
## 8722	NM_001367507_intron_39_0_chr2_233832280_f	0	NM_001367507
## 8723	NM_001367507_intron_40_0_chr2_233832645_f	0	NM_001367507
## 8724	NM_001103147_intron_8_0_chr2_232761437_f	0	NM_001103147
## 8725	NR_151716_intron_2_0_chr2_228483499_r	0	NR_151716
## 8726	NR_151716_intron_1_0_chr2_228488794_r	0	NR_151716
## 8727	NR_151716_intron_0_0_chr2_228506510_r	0	NR_151716
## 8728	NM_139072_intron_11_0_chr2_229358652_r	0	NM_139072
## 8729	NM_139072_intron_10_0_chr2_229367120_r	0	NM_139072
## 8730	NM_139072_intron_9_0_chr2_229388397_r	0	NM_139072
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## 8732	NM_139072_intron_7_0_chr2_229418231_r	0	NM_139072
## 8733	NM_139072_intron_6_0_chr2_229447541_r	0	NM_139072
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## 8735	NM_139072_intron_4_0_chr2_229512937_r	0	NM_139072
## 8736	NM_139072_intron_3_0_chr2_229547093_r	0	NM_139072
## 8737	NM_139072_intron_2_0_chr2_229586025_r	0	NM_139072
## 8738	NM_139072_intron_1_0_chr2_229588489_r	0	NM_139072
## 8739	NM_139072_intron_0_0_chr2_229591889_r	0	NM_139072
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## 8741	NR_103500_intron_2_0_chr2_237973748_f	0	NR_103500
## 8742	NR_037904_intron_3_0_chr2_237994810_f	0	NR_037904
## 8743	NR_037904_intron_6_0_chr2_238035941_f	0	NR_037904
## 8744	NR_037904_intron_7_0_chr2_238057251_f	0	NR_037904
## 8745	NM_006037_intron_0_0_chr2_239352919_r	0	NM_006037
## 8746	NM_001278306_intron_0_0_chr2_237967133_f	0	NM_001278306
## 8747	NR_033880_intron_2_0_chr2_780592_r	0	NR_033880
## 8748	NR_033880_intron_1_0_chr2_806250_r	0	NR_033880
## 8749	NR_033880_intron_0_0_chr2_854216_r	0	NR_033880
## 8750	NR_111963_intron_0_0_chr2_806250_r	0	NR_111963
## 8751	NR_104224_intron_5_0_chr2_242177_r	0	NR_104224
## 8752	NR_104224_intron_1_0_chr2_253116_r	0	NR_104224
## 8753	NR_104224_intron_0_0_chr2_262787_r	0	NR_104224
## 8754	NR_104223_intron_1_0_chr2_261131_r	0	NR_104223
## 8755	NR_104223_intron_0_0_chr2_262787_r	0	NR_104223
## 8756	NR_104226_intron_5_0_chr2_234273_r	0	NR_104226
## 8757	NR_104225_intron_8_0_chr2_219002_r	0	NR_104225
## 8758	NM_001206745_intron_0_0_chr2_1413546_f	0	NM_001206745
## 8759	NM_001206745_intron_1_0_chr2_1414503_f	0	NM_001206745
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## 8766	NM_001206745_intron_8_0_chr2_1484855_f	0 NM_001206745
## 8767	NM_001206745_intron_9_0_chr2_1494040_f	0 NM_001206745
## 8768	NM_001206745_intron_10_0_chr2_1496198_f	0 NM_001206745
## 8769	NM_001206745_intron_11_0_chr2_1496766_f	0 NM_001206745
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## 8773	NM_175719_intron_0_0_chr2_1413551_f	0 NM_175719
## 8774	NM_175722_intron_5_0_chr2_1456283_f	0 NM_175722
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## 8777	NR_110228_intron_3_0_chr2_2965872_r	0 NR_110228
## 8778	NR_110228_intron_2_0_chr2_2966676_r	0 NR_110228
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## 8792	NM_001287444_intron_3_0_chr2_3742049_f	0 NM_001287444
## 8793	NM_018436_intron_0_0_chr2_3658295_f	0 NM_018436
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## 8799	NM_018436_intron_6_0_chr2_3683075_f	0 NM_018436
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## 8802	NM_018436_intron_9_0_chr2_3697457_f	0 NM_018436
## 8803	NM_018436_intron_10_0_chr2_3701637_f	0 NM_018436
## 8804	NR_148534_intron_7_0_chr2_3536912_r	0 NR_148534
## 8805	NR_110580_intron_3_0_chr2_5634317_r	0 NR_110580
## 8806	NR_110580_intron_2_0_chr2_5635611_r	0 NR_110580
## 8807	NR_110580_intron_1_0_chr2_5649912_r	0 NR_110580
## 8808	NR_110580_intron_0_0_chr2_5684540_r	0 NR_110580
## 8809	NM_001349181_intron_7_0_chr2_7030216_f	0 NM_001349181
## 8810	NM_001349181_intron_8_0_chr2_7073407_f	0 NM_001349181
## 8811	NM_001349183_intron_0_0_chr2_6933207_f	0 NM_001349183
## 8812	NM_001349182_intron_0_0_chr2_6933231_f	0 NM_001349182
## 8813	NR_146069_intron_1_0_chr2_6941148_f	0 NR_146069
## 8814	NR_146069_intron_2_0_chr2_6951370_f	0 NR_146069
## 8815	NM_001349185_intron_7_0_chr2_7030216_f	0 NM_001349185

## 8816	NM_001349185_intron_8_0_chr2_7068279_f	0 NM_001349185
## 8817	NM_001349184_intron_0_0_chr2_6918855_f	0 NM_001349184
## 8818	NR_034135_intron_7_0_chr2_8008760_r	0 NR_034135
## 8819	NR_034135_intron_6_0_chr2_8060406_r	0 NR_034135
## 8820	NR_034135_intron_2_0_chr2_8296944_r	0 NR_034135
## 8821	NR_034135_intron_1_0_chr2_8299794_r	0 NR_034135
## 8822	NR_034135_intron_0_0_chr2_8324685_r	0 NR_034135
## 8823	NR_152741_intron_8_0_chr2_8208041_r	0 NR_152741
## 8824	NR_152741_intron_7_0_chr2_8243642_r	0 NR_152741
## 8825	NR_152741_intron_2_0_chr2_8299794_r	0 NR_152741
## 8826	NM_001348736_intron_24_0_chr2_8737000_r	0 NM_001348736
## 8827	NM_001348736_intron_2_0_chr2_8818794_r	0 NM_001348736
## 8828	NM_001348736_intron_1_0_chr2_8825914_r	0 NM_001348736
## 8829	NM_001321267_intron_1_0_chr2_8958643_r	0 NM_001321267
## 8830	NM_001321267_intron_0_0_chr2_8974436_r	0 NM_001321267
## 8831	NM_020738_intron_25_0_chr2_8737000_r	0 NM_020738
## 8832	NM_020738_intron_24_0_chr2_8747202_r	0 NM_020738
## 8833	NM_001348745_intron_21_0_chr2_8757788_r	0 NM_001348745
## 8834	NM_001348743_intron_27_0_chr2_8725668_r	0 NM_001348743
## 8835	NM_001348743_intron_26_0_chr2_8726944_r	0 NM_001348743
## 8836	NM_001348742_intron_27_0_chr2_8723413_r	0 NM_001348742
## 8837	NR_145964_intron_29_0_chr2_8726944_r	0 NR_145964
## 8838	NR_145964_intron_28_0_chr2_8727268_r	0 NR_145964
## 8839	NM_001258357_intron_0_0_chr2_10330211_f	0 NM_001258357
## 8840	NM_198182_intron_0_0_chr2_9951854_f	0 NM_198182
## 8841	NM_198182_intron_3_0_chr2_9961437_f	0 NM_198182
## 8842	NM_198182_intron_4_0_chr2_9962532_f	0 NM_198182
## 8843	NM_198182_intron_10_0_chr2_9992147_f	0 NM_198182
## 8844	NM_198182_intron_11_0_chr2_9993245_f	0 NM_198182
## 8845	NM_134421_intron_0_0_chr2_10303943_f	0 NM_134421
## 8846	NM_182500_intron_0_0_chr2_11133592_f	0 NM_182500
## 8847	NM_182500_intron_1_0_chr2_11140550_f	0 NM_182500
## 8848	NM_182500_intron_2_0_chr2_11144143_f	0 NM_182500
## 8849	NM_001039362_intron_9_0_chr2_10775072_f	0 NM_001039362
## 8850	NM_001039362_intron_10_0_chr2_10777723_f	0 NM_001039362
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## 8853	NM_001261392_intron_2_0_chr2_10673558_r	0 NM_001261392
## 8854	NM_001349205_intron_0_0_chr2_11748741_f	0 NM_001349205
## 8855	NM_012344_intron_2_0_chr2_11658723_r	0 NM_012344
## 8856	NM_012344_intron_1_0_chr2_11660134_r	0 NM_012344
## 8857	NM_012344_intron_0_0_chr2_11662241_r	0 NM_012344
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## 8861	NR_110197_intron_2_0_chr2_12106952_f	0 NR_110197
## 8862	NR_110196_intron_1_0_chr2_12007844_f	0 NR_110196
## 8863	NR_110196_intron_2_0_chr2_12166856_f	0 NR_110196
## 8864	NR_110196_intron_3_0_chr2_12308785_f	0 NR_110196
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## 8866	NM_001349200_intron_11_0_chr2_11788457_f	0 NM_001349200
## 8867	NM_001349200_intron_12_0_chr2_11791786_f	0 NM_001349200
## 8868	NR_146080_intron_17_0_chr2_11819751_f	0 NR_146080
## 8869	NM_001349207_intron_0_0_chr2_11677729_f	0 NM_001349207

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## 8872	NM_001261427_intron_1_0_chr2_11741429_f	0	NM_001261427
## 8873	NR_038434_intron_4_0_chr2_12968034_r	0	NR_038434
## 8874	NR_038434_intron_3_0_chr2_12981119_r	0	NR_038434
## 8875	NR_038434_intron_2_0_chr2_13001742_r	0	NR_038434
## 8876	NR_038434_intron_1_0_chr2_13002609_r	0	NR_038434
## 8877	NR_038434_intron_0_0_chr2_13003952_r	0	NR_038434
## 8878	NR_103814_intron_2_0_chr2_14232065_r	0	NR_103814
## 8879	NR_103814_intron_1_0_chr2_14235951_r	0	NR_103814
## 8880	NR_103814_intron_0_0_chr2_14317104_r	0	NR_103814
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## 8886	NM_001366804_intron_3_0_chr2_17650011_f	0	NM_001366804
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## 8889	NR_135287_intron_1_0_chr2_18995365_r	0	NR_135287
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## 8892	NM_001352920_intron_0_0_chr2_20327379_r	0	NM_001352920
## 8893	NM_001282752_intron_1_0_chr2_20312424_r	0	NM_001282752
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## 8899	NM_052920_intron_4_0_chr2_23642851_f	0	NM_052920
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## 8901	NM_052920_intron_6_0_chr2_23691877_f	0	NM_052920
## 8902	NM_052920_intron_7_0_chr2_23693529_f	0	NM_052920
## 8903	NM_052920_intron_8_0_chr2_23695822_f	0	NM_052920
## 8904	NM_052920_intron_9_0_chr2_23696134_f	0	NM_052920
## 8905	NM_052920_intron_10_0_chr2_23696514_f	0	NM_052920
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## 8907	NM_052920_intron_12_0_chr2_23703864_f	0	NM_052920
## 8908	NM_001377130_intron_13_0_chr2_24822631_r	0	NM_001377130
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## 8910	NM_001362955_intron_0_0_chr2_24492189_f	0	NM_001362955
## 8911	NM_001362955_intron_1_0_chr2_24564014_f	0	NM_001362955
## 8912	NM_001320613_intron_14_0_chr2_24826130_r	0	NM_001320613
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## 8914	NM_001362950_intron_0_0_chr2_24491603_f	0	NM_001362950
## 8915	NM_001377132_intron_0_0_chr2_24919185_r	0	NM_001377132
## 8916	NM_147223_intron_0_0_chr2_24491603_f	0	NM_147223
## 8917	NM_001369346_intron_0_0_chr2_25806338_r	0	NM_001369346
## 8918	NM_001351391_intron_16_0_chr2_25385211_r	0	NM_001351391
## 8919	NM_001351391_intron_15_0_chr2_25386113_r	0	NM_001351391
## 8920	NM_001351388_intron_16_0_chr2_25379324_r	0	NM_001351388
## 8921	NM_001320936_intron_17_0_chr2_25387152_r	0	NM_001320936
## 8922	NM_001320935_intron_3_0_chr2_25580827_r	0	NM_001320935
## 8923	NM_001256308_intron_0_0_chr2_25639095_r	0	NM_001256308

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## 8927	NM_001351394_intron_15_0_chr2_25379324_r	0	NM_001351394
## 8928	NM_033147_intron_16_0_chr2_25383890_r	0	NM_033147
## 8929	NR_147180_intron_17_0_chr2_25383890_r	0	NR_147180
## 8930	NM_001321975_intron_5_0_chr2_26314520_r	0	NM_001321975
## 8931	NM_001321975_intron_4_0_chr2_26314807_r	0	NM_001321975
## 8932	NM_001321975_intron_3_0_chr2_26315768_r	0	NM_001321975
## 8933	NM_001321975_intron_2_0_chr2_26316449_r	0	NM_001321975
## 8934	NM_001321975_intron_0_0_chr2_26317563_r	0	NM_001321975
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## 8939	NM_001287489_intron_13_0_chr2_26481010_r	0	NM_001287489
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## 8943	NM_001287489_intron_9_0_chr2_26489296_r	0	NM_001287489
## 8944	NM_001287489_intron_8_0_chr2_26489741_r	0	NM_001287489
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## 8946	NM_001287489_intron_6_0_chr2_26501809_r	0	NM_001287489
## 8947	NM_001287489_intron_5_0_chr2_26502427_r	0	NM_001287489
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## 8949	NM_001287489_intron_3_0_chr2_26516600_r	0	NM_001287489
## 8950	NM_001287489_intron_2_0_chr2_26519110_r	0	NM_001287489
## 8951	NM_001287489_intron_1_0_chr2_26527921_r	0	NM_001287489
## 8952	NM_001287489_intron_0_0_chr2_26537775_r	0	NM_001287489
## 8953	NM_001321971_intron_4_0_chr2_26314624_r	0	NM_001321971
## 8954	NM_001321971_intron_3_0_chr2_26315741_r	0	NM_001321971
## 8955	NM_001321971_intron_0_0_chr2_26317563_r	0	NM_001321971
## 8956	NM_001253723_intron_0_0_chr2_26848360_f	0	NM_001253723
## 8957	NM_001253723_intron_1_0_chr2_26898761_f	0	NM_001253723
## 8958	NM_001253723_intron_2_0_chr2_26925046_f	0	NM_001253723
## 8959	NM_001253723_intron_3_0_chr2_26927433_f	0	NM_001253723
## 8960	NM_001253723_intron_4_0_chr2_26928324_f	0	NM_001253723
## 8961	NM_001253723_intron_5_0_chr2_26931685_f	0	NM_001253723
## 8962	NM_001253723_intron_6_0_chr2_26933334_f	0	NM_001253723
## 8963	NM_001253723_intron_7_0_chr2_26934735_f	0	NM_001253723
## 8964	NM_001253723_intron_8_0_chr2_26940173_f	0	NM_001253723
## 8965	NM_001253723_intron_9_0_chr2_26942093_f	0	NM_001253723
## 8966	NM_001253723_intron_10_0_chr2_26942751_f	0	NM_001253723
## 8967	NM_001253723_intron_11_0_chr2_26944825_f	0	NM_001253723
## 8968	NM_001330484_intron_0_0_chr2_27133655_r	0	NM_001330484
## 8969	NR_135916_intron_11_0_chr2_26308680_r	0	NR_135916
## 8970	NR_135916_intron_2_0_chr2_26314624_r	0	NR_135916
## 8971	NM_004802_intron_28_0_chr2_26458221_r	0	NM_004802
## 8972	NM_004802_intron_27_0_chr2_26460206_r	0	NM_004802
## 8973	NM_004802_intron_0_0_chr2_26477750_r	0	NM_004802
## 8974	NM_001253724_intron_0_0_chr2_26848498_f	0	NM_001253724
## 8975	NR_149018_intron_4_0_chr2_26984966_r	0	NR_149018
## 8976	NR_149018_intron_3_0_chr2_26986557_r	0	NR_149018
## 8977	NR_149018_intron_2_0_chr2_26986771_r	0	NR_149018

## 8978	NR_149018_intron_1_0_chr2_26995555_r	0	NR_149018
## 8979	NR_149018_intron_0_0_chr2_26996921_r	0	NR_149018
## 8980	NM_001029881_intron_5_0_chr2_26581394_r	0	NM_001029881
## 8981	NM_001029881_intron_4_0_chr2_26582914_r	0	NM_001029881
## 8982	NM_001029881_intron_3_0_chr2_26583899_r	0	NM_001029881
## 8983	NM_001029881_intron_2_0_chr2_26595318_r	0	NM_001029881
## 8984	NM_001029881_intron_1_0_chr2_26629507_r	0	NM_001029881
## 8985	NM_001029881_intron_0_0_chr2_26640568_r	0	NM_001029881
## 8986	NM_020134_intron_0_0_chr2_26848255_f	0	NM_020134
## 8987	NR_120504_intron_1_0_chr2_28150241_r	0	NR_120504
## 8988	NR_120504_intron_0_0_chr2_28151270_r	0	NR_120504
## 8989	NM_001282731_intron_1_0_chr2_27661444_r	0	NM_001282731
## 8990	NM_001287580_intron_1_0_chr2_27858572_r	0	NM_001287580
## 8991	NM_001287580_intron_0_0_chr2_27870891_r	0	NM_001287580
## 8992	NM_001287528_intron_0_0_chr2_29097948_f	0	NM_001287528
## 8993	NM_182756_intron_0_0_chr2_28810948_f	0	NM_182756
## 8994	NM_182756_intron_1_0_chr2_28814687_f	0	NM_182756
## 8995	NM_182756_intron_2_0_chr2_28816250_f	0	NM_182756
## 8996	NM_182756_intron_3_0_chr2_28819107_f	0	NM_182756
## 8997	NM_182756_intron_4_0_chr2_28822411_f	0	NM_182756
## 8998	NM_182756_intron_5_0_chr2_28829320_f	0	NM_182756
## 8999	NM_182756_intron_6_0_chr2_28840470_f	0	NM_182756
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## 9001	NM_001170585_intron_8_0_chr2_28532195_f	0	NM_001170585
## 9002	NM_001142634_intron_0_0_chr2_28810948_f	0	NM_001142634
## 9003	NM_001145122_intron_19_0_chr2_31176643_r	0	NM_001145122
## 9004	NM_001145122_intron_18_0_chr2_31177143_r	0	NM_001145122
## 9005	NM_001145122_intron_11_0_chr2_31189479_r	0	NM_001145122
## 9006	NM_001145122_intron_10_0_chr2_31191408_r	0	NM_001145122
## 9007	NM_001145122_intron_3_0_chr2_31201999_r	0	NM_001145122
## 9008	NM_001145122_intron_0_0_chr2_31205500_r	0	NM_001145122
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## 9010	NM_001253827_intron_0_0_chr2_31125254_r	0	NM_001253827
## 9011	NM_182551_intron_0_0_chr2_30447405_f	0	NM_182551
## 9012	NM_001304446_intron_0_0_chr2_30447405_f	0	NM_001304446
## 9013	NM_001304445_intron_1_0_chr2_30459723_f	0	NM_001304445
## 9014	NM_001304445_intron_2_0_chr2_30476636_f	0	NM_001304445
## 9015	NM_001321270_intron_4_0_chr2_31200626_r	0	NM_001321270
## 9016	NM_001321270_intron_0_0_chr2_31226652_r	0	NM_001321270
## 9017	NM_001329095_intron_1_0_chr2_30993008_r	0	NM_001329095
## 9018	NM_001329095_intron_0_0_chr2_31079067_r	0	NM_001329095
## 9019	NM_001253826_intron_2_0_chr2_30966303_r	0	NM_001253826
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## 9022	NM_144575_intron_19_0_chr2_30731400_r	0	NM_144575
## 9023	NM_144575_intron_18_0_chr2_30732567_r	0	NM_144575
## 9024	NM_144575_intron_17_0_chr2_30734525_r	0	NM_144575
## 9025	NM_144575_intron_16_0_chr2_30736572_r	0	NM_144575
## 9026	NM_144575_intron_15_0_chr2_30738294_r	0	NM_144575
## 9027	NM_144575_intron_14_0_chr2_30738458_r	0	NM_144575
## 9028	NM_144575_intron_13_0_chr2_30741965_r	0	NM_144575
## 9029	NM_144575_intron_12_0_chr2_30742360_r	0	NM_144575
## 9030	NM_144575_intron_11_0_chr2_30743583_r	0	NM_144575
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## 9035	NM_144575_intron_5_0_chr2_30763157_r	0	NM_144575
## 9036	NM_144575_intron_4_0_chr2_30764307_r	0	NM_144575
## 9037	NM_144575_intron_3_0_chr2_30770450_r	0	NM_144575
## 9038	NM_144575_intron_2_0_chr2_30776046_r	0	NM_144575
## 9039	NM_144575_intron_1_0_chr2_30777640_r	0	NM_144575
## 9040	NM_144575_intron_0_0_chr2_30787358_r	0	NM_144575
## 9041	NM_001371915_intron_1_0_chr2_31943384_r	0	NM_001371915
## 9042	NM_001371915_intron_0_0_chr2_32010265_r	0	NM_001371915
## 9043	NM_001302504_intron_2_0_chr2_32241126_r	0	NM_001302504
## 9044	NM_001371913_intron_0_0_chr2_32010265_r	0	NM_001371913
## 9045	NM_001371914_intron_0_0_chr2_32010265_r	0	NM_001371914
## 9046	NM_001371918_intron_2_0_chr2_31950718_r	0	NM_001371918
## 9047	NM_001371918_intron_1_0_chr2_31956599_r	0	NM_001371918
## 9048	NM_001371920_intron_1_0_chr2_31892135_r	0	NM_001371920
## 9049	NM_001371921_intron_1_0_chr2_31932135_r	0	NM_001371921
## 9050	NR_163995_intron_6_0_chr2_31868493_r	0	NR_163995
## 9051	NR_163995_intron_2_0_chr2_31932128_r	0	NR_163995
## 9052	NR_163995_intron_1_0_chr2_31943384_r	0	NR_163995
## 9053	NR_163995_intron_0_0_chr2_31968088_r	0	NR_163995
## 9054	NR_027098_intron_0_0_chr2_32825511_f	0	NR_027098
## 9055	NR_027098_intron_1_0_chr2_32841234_f	0	NR_027098
## 9056	NR_027098_intron_2_0_chr2_32898643_f	0	NR_027098
## 9057	NR_027098_intron_3_0_chr2_32902124_f	0	NR_027098
## 9058	NR_027098_intron_4_0_chr2_32926690_f	0	NR_027098
## 9059	NR_027099_intron_0_0_chr2_32825511_f	0	NR_027099
## 9060	NR_027099_intron_1_0_chr2_32836735_f	0	NR_027099
## 9061	NR_027099_intron_2_0_chr2_32837406_f	0	NR_027099
## 9062	NR_027099_intron_3_0_chr2_32840930_f	0	NR_027099
## 9063	NR_027099_intron_4_0_chr2_32841234_f	0	NR_027099
## 9064	NR_027099_intron_5_0_chr2_32882827_f	0	NR_027099
## 9065	NR_027099_intron_6_0_chr2_32883051_f	0	NR_027099
## 9066	NR_027099_intron_7_0_chr2_32896980_f	0	NR_027099
## 9067	NR_027099_intron_9_0_chr2_32902124_f	0	NR_027099
## 9068	NR_126403_intron_0_0_chr2_33706954_f	0	NR_126403
## 9069	NR_126403_intron_1_0_chr2_33855754_f	0	NR_126403
## 9070	NR_126403_intron_2_0_chr2_33926969_f	0	NR_126403
## 9071	NR_126403_intron_3_0_chr2_33944554_f	0	NR_126403
## 9072	NR_126403_intron_4_0_chr2_34286747_f	0	NR_126403
## 9073	NM_001371859_intron_0_0_chr2_37084571_f	0	NM_001371859
## 9074	NM_001371859_intron_1_0_chr2_37085393_f	0	NM_001371859
## 9075	NM_001371858_intron_0_0_chr2_37084587_f	0	NM_001371858
## 9076	NM_001371856_intron_4_0_chr2_37092037_f	0	NM_001371856
## 9077	NM_001371860_intron_3_0_chr2_37090727_f	0	NM_001371860
## 9078	NM_001371861_intron_2_0_chr2_37089864_f	0	NM_001371861
## 9079	NR_163987_intron_4_0_chr2_37094196_f	0	NR_163987
## 9080	NR_163987_intron_5_0_chr2_37094761_f	0	NR_163987
## 9081	NM_001371862_intron_5_0_chr2_37092256_f	0	NM_001371862
## 9082	NM_001170793_intron_0_0_chr2_37950596_f	0	NM_001170793
## 9083	NM_001170792_intron_0_0_chr2_37928937_f	0	NM_001170792
## 9084	NM_001322212_intron_9_0_chr2_38004217_f	0	NM_001322212
## 9085	NR_102712_intron_2_0_chr2_37950538_r	0	NR_102712

## 9086	NR_102712_intron_1_0_chr2_37963156_r	0	NR_102712
## 9087	NR_102712_intron_0_0_chr2_38029921_r	0	NR_102712
## 9088	NR_027252_intron_1_0_chr2_38131615_f	0	NR_027252
## 9089	NM_001322211_intron_0_0_chr2_37925707_f	0	NM_001322211
## 9090	NM_144713_intron_0_0_chr2_37950596_f	0	NM_144713
## 9091	NM_144713_intron_1_0_chr2_37952202_f	0	NM_144713
## 9092	NR_144521_intron_9_0_chr2_39168708_r	0	NR_144521
## 9093	NR_144521_intron_5_0_chr2_39190503_r	0	NR_144521
## 9094	NR_144521_intron_4_0_chr2_39197061_r	0	NR_144521
## 9095	NR_144521_intron_1_0_chr2_39225961_r	0	NR_144521
## 9096	NR_144521_intron_0_0_chr2_39229589_r	0	NR_144521
## 9097	NM_001346911_intron_7_0_chr2_39178760_r	0	NM_001346911
## 9098	NM_001346911_intron_3_0_chr2_39190503_r	0	NM_001346911
## 9099	NM_001167959_intron_0_0_chr2_39665641_f	0	NM_001167959
## 9100	NM_001367623_intron_0_0_chr2_38889987_f	0	NM_001367623
## 9101	NM_001367623_intron_1_0_chr2_38895850_f	0	NM_001367623
## 9102	NM_001367623_intron_2_0_chr2_38919473_f	0	NM_001367623
## 9103	NM_001367623_intron_3_0_chr2_38921424_f	0	NM_001367623
## 9104	NM_001367623_intron_4_0_chr2_38929072_f	0	NM_001367623
## 9105	NM_001367623_intron_5_0_chr2_38929831_f	0	NM_001367623
## 9106	NM_001367623_intron_6_0_chr2_38931252_f	0	NM_001367623
## 9107	NM_001367623_intron_7_0_chr2_38935835_f	0	NM_001367623
## 9108	NM_001367623_intron_8_0_chr2_38937560_f	0	NM_001367623
## 9109	NM_001367623_intron_9_0_chr2_38944031_f	0	NM_001367623
## 9110	NM_001367623_intron_10_0_chr2_38951122_f	0	NM_001367623
## 9111	NM_001367623_intron_11_0_chr2_38953246_f	0	NM_001367623
## 9112	NM_001367623_intron_12_0_chr2_38954457_f	0	NM_001367623
## 9113	NM_001367623_intron_13_0_chr2_38957048_f	0	NM_001367623
## 9114	NM_001367623_intron_14_0_chr2_38958199_f	0	NM_001367623
## 9115	NM_001367623_intron_15_0_chr2_38960649_f	0	NM_001367623
## 9116	NM_001367623_intron_16_0_chr2_38966146_f	0	NM_001367623
## 9117	NM_001367623_intron_17_0_chr2_38971945_f	0	NM_001367623
## 9118	NM_001382394_intron_0_0_chr2_39067754_r	0	NM_001382394
## 9119	NM_001145451_intron_16_0_chr2_38966146_f	0	NM_001145451
## 9120	NM_001351486_intron_3_0_chr2_40174843_r	0	NM_001351486
## 9121	NM_001351486_intron_2_0_chr2_40175282_r	0	NM_001351486
## 9122	NM_001351485_intron_2_0_chr2_40175282_r	0	NM_001351485
## 9123	NM_001112801_intron_3_0_chr2_40170350_r	0	NM_001112801
## 9124	NM_001112802_intron_0_0_chr2_40430305_r	0	NM_001112802
## 9125	NM_001351491_intron_2_0_chr2_40174843_r	0	NM_001351491
## 9126	NM_021097_intron_5_0_chr2_40170350_r	0	NM_021097
## 9127	NM_021097_intron_4_0_chr2_40174721_r	0	NM_021097
## 9128	NM_001351492_intron_0_0_chr2_40430302_r	0	NM_001351492
## 9129	NR_038441_intron_0_0_chr2_39917660_f	0	NR_038441
## 9130	NR_038441_intron_1_0_chr2_39922890_f	0	NR_038441
## 9131	NM_001282756_intron_0_0_chr2_42568227_f	0	NM_001282756
## 9132	NM_001330444_intron_7_0_chr2_42659863_f	0	NM_001330444
## 9133	NM_172344_intron_0_0_chr2_42444580_r	0	NM_172344
## 9134	NM_001282755_intron_0_0_chr2_42495007_f	0	NM_001282755
## 9135	NM_001282755_intron_1_0_chr2_42495255_f	0	NM_001282755
## 9136	NM_133329_intron_0_0_chr2_42444580_r	0	NM_133329
## 9137	NR_073394_intron_24_0_chr2_43428232_r	0	NR_073394
## 9138	NR_073394_intron_8_0_chr2_43577235_r	0	NR_073394
## 9139	NM_001345924_intron_17_0_chr2_43551923_r	0	NM_001345924

## 9140	NM_001348912_intron_11_0_chr2_43805247_f	0	NM_001348912
## 9141	NM_001348912_intron_12_0_chr2_43810525_f	0	NM_001348912
## 9142	NR_144316_intron_28_0_chr2_43320541_r	0	NR_144316
## 9143	NM_172069_intron_0_0_chr2_43637380_f	0	NM_172069
## 9144	NM_172069_intron_1_0_chr2_43644797_f	0	NM_172069
## 9145	NM_172069_intron_2_0_chr2_43678926_f	0	NM_172069
## 9146	NM_172069_intron_3_0_chr2_43692664_f	0	NM_172069
## 9147	NM_172069_intron_4_0_chr2_43694515_f	0	NM_172069
## 9148	NM_172069_intron_5_0_chr2_43695225_f	0	NM_172069
## 9149	NM_172069_intron_6_0_chr2_43697357_f	0	NM_172069
## 9150	NM_172069_intron_7_0_chr2_43700609_f	0	NM_172069
## 9151	NM_172069_intron_8_0_chr2_43704057_f	0	NM_172069
## 9152	NM_172069_intron_9_0_chr2_43706417_f	0	NM_172069
## 9153	NM_172069_intron_10_0_chr2_43707546_f	0	NM_172069
## 9154	NM_172069_intron_11_0_chr2_43710127_f	0	NM_172069
## 9155	NM_172069_intron_12_0_chr2_43710331_f	0	NM_172069
## 9156	NM_172069_intron_13_0_chr2_43710576_f	0	NM_172069
## 9157	NM_172069_intron_14_0_chr2_43712384_f	0	NM_172069
## 9158	NM_172069_intron_15_0_chr2_43720750_f	0	NM_172069
## 9159	NM_172069_intron_16_0_chr2_43726452_f	0	NM_172069
## 9160	NM_172069_intron_17_0_chr2_43729746_f	0	NM_172069
## 9161	NM_172069_intron_18_0_chr2_43731603_f	0	NM_172069
## 9162	NM_172069_intron_19_0_chr2_43738521_f	0	NM_172069
## 9163	NM_172069_intron_20_0_chr2_43741044_f	0	NM_172069
## 9164	NM_172069_intron_21_0_chr2_43742919_f	0	NM_172069
## 9165	NM_172069_intron_22_0_chr2_43743990_f	0	NM_172069
## 9166	NM_172069_intron_23_0_chr2_43745964_f	0	NM_172069
## 9167	NM_172069_intron_24_0_chr2_43753761_f	0	NM_172069
## 9168	NM_172069_intron_25_0_chr2_43757265_f	0	NM_172069
## 9169	NM_172069_intron_26_0_chr2_43759030_f	0	NM_172069
## 9170	NM_172069_intron_27_0_chr2_43762391_f	0	NM_172069
## 9171	NM_172069_intron_28_0_chr2_43764366_f	0	NM_172069
## 9172	NM_177969_intron_0_0_chr2_44169275_f	0	NM_177969
## 9173	NM_001033557_intron_4_0_chr2_44218538_f	0	NM_001033557
## 9174	NM_000341_intron_0_0_chr2_44275966_f	0	NM_000341
## 9175	NM_000341_intron_1_0_chr2_44280896_f	0	NM_000341
## 9176	NM_000341_intron_2_0_chr2_44281542_f	0	NM_000341
## 9177	NM_000341_intron_3_0_chr2_44286158_f	0	NM_000341
## 9178	NM_000341_intron_4_0_chr2_44300091_f	0	NM_000341
## 9179	NM_000341_intron_5_0_chr2_44301128_f	0	NM_000341
## 9180	NM_000341_intron_6_0_chr2_44304339_f	0	NM_000341
## 9181	NM_000341_intron_7_0_chr2_44312754_f	0	NM_000341
## 9182	NM_000341_intron_8_0_chr2_44313952_f	0	NM_000341
## 9183	NR_033831_intron_4_0_chr2_45174588_r	0	NR_033831
## 9184	NR_033831_intron_3_0_chr2_45175214_r	0	NR_033831
## 9185	NR_033831_intron_2_0_chr2_45189250_r	0	NR_033831
## 9186	NR_033831_intron_1_0_chr2_45191085_r	0	NR_033831
## 9187	NR_033831_intron_0_0_chr2_45192286_r	0	NR_033831
## 9188	NM_001171511_intron_0_0_chr2_46907970_r	0	NM_001171511
## 9189	NM_001371281_intron_0_0_chr2_46536704_r	0	NM_001371281
## 9190	NM_001258281_intron_0_0_chr2_47403176_f	0	NM_001258281
## 9191	NR_110208_intron_3_0_chr2_47192818_r	0	NR_110208
## 9192	NR_110208_intron_2_0_chr2_47199544_r	0	NR_110208
## 9193	NR_110208_intron_0_0_chr2_47333027_r	0	NR_110208

## 9194	NR_110207_intron_1_0_chr2_47215260_r	0	NR_110207
## 9195	NR_110207_intron_0_0_chr2_47221324_r	0	NR_110207
## 9196	NM_025133_intron_0_0_chr2_47839770_r	0	NM_025133
## 9197	NM_001374325_intron_0_0_chr2_47839770_r	0	NM_001374325
## 9198	NM_001375447_intron_0_0_chr2_48314968_f	0	NM_001375447
## 9199	NM_006872_intron_0_0_chr2_48617896_f	0	NM_006872
## 9200	NM_006872_intron_1_0_chr2_48620953_f	0	NM_006872
## 9201	NM_006872_intron_4_0_chr2_48645118_f	0	NM_006872
## 9202	NM_006872_intron_5_0_chr2_48647043_f	0	NM_006872
## 9203	NM_006872_intron_6_0_chr2_48669983_f	0	NM_006872
## 9204	NM_006872_intron_7_0_chr2_48671681_f	0	NM_006872
## 9205	NM_001375781_intron_3_0_chr2_48362692_f	0	NM_001375781
## 9206	NM_001198594_intron_1_0_chr2_48591856_f	0	NM_001198594
## 9207	NM_001198594_intron_3_0_chr2_48621291_f	0	NM_001198594
## 9208	NM_001198593_intron_0_0_chr2_48529989_f	0	NM_001198593
## 9209	NM_001198593_intron_9_0_chr2_48671681_f	0	NM_001198593
## 9210	NM_001375452_intron_0_0_chr2_48315979_f	0	NM_001375452
## 9211	NM_001375451_intron_0_0_chr2_48315090_f	0	NM_001375451
## 9212	NM_001375448_intron_0_0_chr2_48315090_f	0	NM_001375448
## 9213	NM_000145_intron_8_0_chr2_48963967_r	0	NM_000145
## 9214	NM_000145_intron_7_0_chr2_48968884_r	0	NM_000145
## 9215	NM_000145_intron_6_0_chr2_48982987_r	0	NM_000145
## 9216	NM_000145_intron_5_0_chr2_48983167_r	0	NM_000145
## 9217	NM_000145_intron_4_0_chr2_48989055_r	0	NM_000145
## 9218	NM_000145_intron_3_0_chr2_48990638_r	0	NM_000145
## 9219	NM_000145_intron_2_0_chr2_49017564_r	0	NM_000145
## 9220	NM_000145_intron_1_0_chr2_49020161_r	0	NM_000145
## 9221	NM_000145_intron_0_0_chr2_49068291_r	0	NM_000145
## 9222	NM_001375443_intron_0_0_chr2_48314502_f	0	NM_001375443
## 9223	NM_001193487_intron_0_0_chr2_48617896_f	0	NM_001193487
## 9224	NM_181446_intron_4_0_chr2_48983167_r	0	NM_181446
## 9225	NM_001320157_intron_0_0_chr2_49943792_r	0	NM_001320157
## 9226	NM_001330090_intron_4_0_chr2_50919271_r	0	NM_001330090
## 9227	NM_001330090_intron_3_0_chr2_50920436_r	0	NM_001330090
## 9228	NM_001330081_intron_4_0_chr2_50920009_r	0	NM_001330081
## 9229	NM_001320590_intron_2_0_chr2_54138749_f	0	NM_001320590
## 9230	NM_001320588_intron_0_0_chr2_54123411_f	0	NM_001320588
## 9231	NM_001201965_intron_0_0_chr2_53750942_r	0	NM_001201965
## 9232	NM_001164165_intron_0_0_chr2_53765586_r	0	NM_001164165
## 9233	NM_001320587_intron_1_0_chr2_53973811_f	0	NM_001320587
## 9234	NR_148543_intron_1_0_chr2_55181745_r	0	NR_148543
## 9235	NR_148538_intron_0_0_chr2_55212807_r	0	NR_148538
## 9236	NM_001353785_intron_1_0_chr2_55209832_r	0	NM_001353785
## 9237	NM_001353785_intron_0_0_chr2_55218601_r	0	NM_001353785
## 9238	NM_001353786_intron_1_0_chr2_55218601_r	0	NM_001353786
## 9239	NM_001353786_intron_0_0_chr2_55229473_r	0	NM_001353786
## 9240	NM_001321859_intron_1_0_chr2_55027486_r	0	NM_001321859
## 9241	NM_001321859_intron_0_0_chr2_55028221_r	0	NM_001321859
## 9242	NM_001321904_intron_1_0_chr2_55028221_r	0	NM_001321904
## 9243	NM_001321904_intron_0_0_chr2_55080640_r	0	NM_001321904
## 9244	NM_001353784_intron_5_0_chr2_55206377_r	0	NM_001353784
## 9245	NM_001353784_intron_0_0_chr2_55218601_r	0	NM_001353784
## 9246	NR_148541_intron_2_0_chr2_55206377_r	0	NR_148541
## 9247	NM_152385_intron_2_0_chr2_55217999_r	0	NM_152385

## 9248	NM_152385_intron_0_0_chr2_55228205_r	0	NM_152385
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## 9250	NR_148539_intron_0_0_chr2_55181745_r	0	NR_148539
## 9251	NR_148540_intron_1_0_chr2_55218601_r	0	NR_148540
## 9252	NM_001039753_intron_0_0_chr2_54725259_f	0	NM_001039753
## 9253	NM_001039753_intron_1_0_chr2_54813392_f	0	NM_001039753
## 9254	NM_001039753_intron_2_0_chr2_54816886_f	0	NM_001039753
## 9255	NM_001039753_intron_3_0_chr2_54820463_f	0	NM_001039753
## 9256	NM_001039753_intron_4_0_chr2_54827752_f	0	NM_001039753
## 9257	NM_001039753_intron_5_0_chr2_54829478_f	0	NM_001039753
## 9258	NM_001039753_intron_6_0_chr2_54844249_f	0	NM_001039753
## 9259	NM_001039753_intron_7_0_chr2_54847624_f	0	NM_001039753
## 9260	NM_001039753_intron_8_0_chr2_54850219_f	0	NM_001039753
## 9261	NM_001039753_intron_9_0_chr2_54853856_f	0	NM_001039753
## 9262	NM_001039753_intron_10_0_chr2_54859702_f	0	NM_001039753
## 9263	NM_001039753_intron_11_0_chr2_54863890_f	0	NM_001039753
## 9264	NM_001039753_intron_12_0_chr2_54866885_f	0	NM_001039753
## 9265	NM_001039753_intron_13_0_chr2_54869368_f	0	NM_001039753
## 9266	NM_001039753_intron_15_0_chr2_54879641_f	0	NM_001039753
## 9267	NM_001039753_intron_16_0_chr2_54891155_f	0	NM_001039753
## 9268	NM_001039753_intron_19_0_chr2_54895401_f	0	NM_001039753
## 9269	NM_001039753_intron_20_0_chr2_54899783_f	0	NM_001039753
## 9270	NM_001039753_intron_23_0_chr2_54911043_f	0	NM_001039753
## 9271	NM_001039753_intron_24_0_chr2_54916936_f	0	NM_001039753
## 9272	NM_001039753_intron_26_0_chr2_54928752_f	0	NM_001039753
## 9273	NM_001039753_intron_27_0_chr2_54948961_f	0	NM_001039753
## 9274	NM_001039753_intron_28_0_chr2_54950780_f	0	NM_001039753
## 9275	NM_001039753_intron_30_0_chr2_54954157_f	0	NM_001039753
## 9276	NM_001039753_intron_31_0_chr2_54957999_f	0	NM_001039753
## 9277	NM_001039753_intron_32_0_chr2_54959262_f	0	NM_001039753
## 9278	NM_001039753_intron_36_0_chr2_54964734_f	0	NM_001039753
## 9279	NM_001039753_intron_39_0_chr2_54968769_f	0	NM_001039753
## 9280	NR_148542_intron_0_0_chr2_55177782_r	0	NR_148542
## 9281	NM_001348516_intron_1_0_chr2_56193441_f	0	NM_001348516
## 9282	NR_126406_intron_1_0_chr2_55963883_r	0	NR_126406
## 9283	NR_126406_intron_0_0_chr2_56013712_r	0	NR_126406
## 9284	NM_001080433_intron_2_0_chr2_56342956_f	0	NM_001080433
## 9285	NM_001080433_intron_3_0_chr2_56372479_f	0	NM_001080433
## 9286	NM_001080433_intron_4_0_chr2_56375936_f	0	NM_001080433
## 9287	NM_001348514_intron_2_0_chr2_56342956_f	0	NM_001348514
## 9288	NM_001348513_intron_3_0_chr2_56375936_f	0	NM_001348513
## 9289	NM_001348513_intron_4_0_chr2_56379849_f	0	NM_001348513
## 9290	NM_001288838_intron_0_0_chr2_57907840_f	0	NM_001288838
## 9291	NM_001288838_intron_1_0_chr2_58025771_f	0	NM_001288838
## 9292	NM_001288838_intron_2_0_chr2_58033554_f	0	NM_001288838
## 9293	NM_001288837_intron_1_0_chr2_58025771_f	0	NM_001288837
## 9294	NM_001288837_intron_2_0_chr2_58026862_f	0	NM_001288837
## 9295	NM_001130481_intron_0_0_chr2_58046734_f	0	NM_001130481
## 9296	NM_001130482_intron_0_0_chr2_58046822_f	0	NM_001130482
## 9297	NR_110219_intron_0_0_chr2_59217775_f	0	NR_110219
## 9298	NR_110219_intron_1_0_chr2_59255263_f	0	NR_110219
## 9299	NM_032506_intron_0_0_chr2_61066459_f	0	NM_032506
## 9300	NM_032506_intron_20_0_chr2_61134277_f	0	NM_032506
## 9301	NM_001322123_intron_0_0_chr2_61011906_r	0	NM_001322123

## 9302	NM_001322127_intron_5_0_chr2_60965104_r	0	NM_001322127
## 9303	NM_001321782_intron_0_0_chr2_61888836_f	0	NM_001321782
## 9304	NM_001321781_intron_0_0_chr2_61888843_f	0	NM_001321781
## 9305	NM_001371765_intron_0_0_chr2_61888585_f	0	NM_001371765
## 9306	NR_122106_intron_7_0_chr2_63174833_r	0	NR_122106
## 9307	NR_122106_intron_0_0_chr2_63437555_r	0	NR_122106
## 9308	NR_027069_intron_2_0_chr2_63045444_r	0	NR_027069
## 9309	NR_027069_intron_1_0_chr2_63046142_r	0	NR_027069
## 9310	NR_027069_intron_0_0_chr2_63046648_r	0	NR_027069
## 9311	NR_033389_intron_0_0_chr2_63046651_r	0	NR_033389
## 9312	NR_147011_intron_0_0_chr2_64486431_f	0	NR_147011
## 9313	NR_147011_intron_1_0_chr2_64488843_f	0	NR_147011
## 9314	NR_110156_intron_0_0_chr2_66574166_f	0	NR_110156
## 9315	NR_110156_intron_1_0_chr2_66665818_f	0	NR_110156
## 9316	NR_110156_intron_2_0_chr2_66675231_f	0	NR_110156
## 9317	NR_110156_intron_3_0_chr2_66675822_f	0	NR_110156
## 9318	NR_110156_intron_4_0_chr2_66691724_f	0	NR_110156
## 9319	NR_110568_intron_0_0_chr2_67213496_f	0	NR_110568
## 9320	NR_110568_intron_1_0_chr2_67229496_f	0	NR_110568
## 9321	NR_110568_intron_2_0_chr2_67243362_f	0	NR_110568
## 9322	NM_018153_intron_11_0_chr2_69124644_f	0	NM_018153
## 9323	NM_001364821_intron_0_0_chr2_68735540_f	0	NM_001364821
## 9324	NM_053034_intron_13_0_chr2_69170290_f	0	NM_053034
## 9325	NM_014911_intron_20_0_chr2_69475964_r	0	NM_014911
## 9326	NR_033872_intron_9_0_chr2_69963501_r	0	NR_033872
## 9327	NR_033872_intron_8_0_chr2_69964428_r	0	NR_033872
## 9328	NR_033872_intron_6_0_chr2_69996889_r	0	NR_033872
## 9329	NR_033872_intron_3_0_chr2_70059681_r	0	NR_033872
## 9330	NM_001320698_intron_2_0_chr2_69720872_f	0	NM_001320698
## 9331	NM_001371575_intron_18_0_chr2_69476985_r	0	NM_001371575
## 9332	NM_001371577_intron_13_0_chr2_69461706_r	0	NM_001371577
## 9333	NM_001308159_intron_0_0_chr2_70514913_r	0	NM_001308159
## 9334	NM_001004311_intron_3_0_chr2_70777383_r	0	NM_001004311
## 9335	NM_001004311_intron_2_0_chr2_70777672_r	0	NM_001004311
## 9336	NM_001004311_intron_1_0_chr2_70785640_r	0	NM_001004311
## 9337	NM_001004311_intron_0_0_chr2_70787802_r	0	NM_001004311
## 9338	NM_012476_intron_0_0_chr2_70900869_f	0	NM_012476
## 9339	NM_012476_intron_1_0_chr2_70921286_f	0	NM_012476
## 9340	NM_001330407_intron_13_0_chr2_72945100_r	0	NM_001330407
## 9341	NM_001330407_intron_0_0_chr2_73058597_r	0	NM_001330407
## 9342	NM_001330406_intron_0_0_chr2_73058597_r	0	NM_001330406
## 9343	NM_001330403_intron_10_0_chr2_72961249_r	0	NM_001330403
## 9344	NM_001371743_intron_8_0_chr2_72945100_r	0	NM_001371743
## 9345	NM_001371742_intron_9_0_chr2_72945100_r	0	NM_001371742
## 9346	NM_001371741_intron_9_0_chr2_72968534_r	0	NM_001371741
## 9347	NM_001371740_intron_10_0_chr2_72961249_r	0	NM_001371740
## 9348	NM_001371739_intron_0_0_chr2_73040932_r	0	NM_001371739
## 9349	NM_001371738_intron_1_0_chr2_73040930_r	0	NM_001371738
## 9350	NM_001080474_intron_0_0_chr2_73784407_f	0	NM_001080474
## 9351	NM_001080474_intron_1_0_chr2_73814227_f	0	NM_001080474
## 9352	NR_003683_intron_0_0_chr2_73645155_f	0	NR_003683
## 9353	NR_003683_intron_5_0_chr2_73674906_f	0	NR_003683
## 9354	NM_001366022_intron_0_0_chr2_74002802_f	0	NM_001366022
## 9355	NM_133478_intron_0_0_chr2_74342535_r	0	NM_133478

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## 9357	NM_138804_intron_3_0_chr2_74581848_r	0	NM_138804
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## 9359	NM_138804_intron_1_0_chr2_74615150_r	0	NM_138804
## 9360	NM_138804_intron_0_0_chr2_74640328_r	0	NM_138804
## 9361	NM_001281296_intron_0_0_chr2_74640328_r	0	NM_001281296
## 9362	NM_015727_intron_2_0_chr2_75051448_r	0	NM_015727
## 9363	NM_015727_intron_1_0_chr2_75053756_r	0	NM_015727
## 9364	NM_015727_intron_0_0_chr2_75120769_r	0	NM_015727
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## 9366	NM_001282924_intron_2_0_chr2_76748917_r	0	NM_001282924
## 9367	NM_001282924_intron_1_0_chr2_77519865_r	0	NM_001282924
## 9368	NM_001282924_intron_0_0_chr2_77521749_r	0	NM_001282924
## 9369	NR_146416_intron_0_0_chr2_76748917_r	0	NR_146416
## 9370	NM_001134745_intron_0_0_chr2_77521819_r	0	NM_001134745
## 9371	NM_001330370_intron_0_0_chr2_77519865_r	0	NM_001330370
## 9372	NR_110288_intron_2_0_chr2_77743823_r	0	NR_110288
## 9373	NR_110288_intron_1_0_chr2_77839891_r	0	NR_110288
## 9374	NR_110288_intron_0_0_chr2_77875063_r	0	NR_110288
## 9375	NR_110287_intron_0_0_chr2_78088792_f	0	NR_110287
## 9376	NR_110287_intron_1_0_chr2_78093667_f	0	NR_110287
## 9377	NR_110287_intron_2_0_chr2_78094777_f	0	NR_110287
## 9378	NR_110287_intron_3_0_chr2_78107252_f	0	NR_110287
## 9379	NR_110287_intron_4_0_chr2_78112131_f	0	NR_110287
## 9380	NM_001320810_intron_0_0_chr2_80305324_f	0	NM_001320810
## 9381	NM_001282599_intron_0_0_chr2_80313655_f	0	NM_001282599
## 9382	NM_001370_intron_0_0_chr2_84516584_f	0	NM_001370
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## 9386	NM_001370_intron_4_0_chr2_84544501_f	0	NM_001370
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## 9389	NM_001370_intron_7_0_chr2_84548418_f	0	NM_001370
## 9390	NM_001370_intron_8_0_chr2_84550058_f	0	NM_001370
## 9391	NM_001370_intron_9_0_chr2_84553035_f	0	NM_001370
## 9392	NM_001370_intron_10_0_chr2_84557936_f	0	NM_001370
## 9393	NM_001370_intron_11_0_chr2_84573588_f	0	NM_001370
## 9394	NM_001370_intron_12_0_chr2_84577409_f	0	NM_001370
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## 9396	NM_001370_intron_15_0_chr2_84588955_f	0	NM_001370
## 9397	NM_001370_intron_16_0_chr2_84594086_f	0	NM_001370
## 9398	NM_001370_intron_17_0_chr2_84595790_f	0	NM_001370
## 9399	NM_001370_intron_18_0_chr2_84604552_f	0	NM_001370
## 9400	NM_001370_intron_19_0_chr2_84605593_f	0	NM_001370
## 9401	NM_001370_intron_21_0_chr2_84611855_f	0	NM_001370
## 9402	NM_001370_intron_22_0_chr2_84616983_f	0	NM_001370
## 9403	NM_001370_intron_23_0_chr2_84619905_f	0	NM_001370
## 9404	NM_001370_intron_24_0_chr2_84621356_f	0	NM_001370
## 9405	NM_001370_intron_25_0_chr2_84621552_f	0	NM_001370
## 9406	NM_001370_intron_26_0_chr2_84624391_f	0	NM_001370
## 9407	NM_001370_intron_27_0_chr2_84624621_f	0	NM_001370
## 9408	NM_001370_intron_28_0_chr2_84625064_f	0	NM_001370
## 9409	NM_001370_intron_29_0_chr2_84634642_f	0	NM_001370

## 9410	NM_001370_intron_30_0_chr2_84637378_f	0	NM_001370
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## 9412	NM_001370_intron_32_0_chr2_84642055_f	0	NM_001370
## 9413	NM_001370_intron_33_0_chr2_84653875_f	0	NM_001370
## 9414	NM_001370_intron_34_0_chr2_84654783_f	0	NM_001370
## 9415	NM_001370_intron_35_0_chr2_84658475_f	0	NM_001370
## 9416	NM_001370_intron_36_0_chr2_84659170_f	0	NM_001370
## 9417	NM_001370_intron_37_0_chr2_84669511_f	0	NM_001370
## 9418	NM_001370_intron_38_0_chr2_84670476_f	0	NM_001370
## 9419	NM_001370_intron_39_0_chr2_84672485_f	0	NM_001370
## 9420	NM_001370_intron_40_0_chr2_84677137_f	0	NM_001370
## 9421	NM_001370_intron_41_0_chr2_84681529_f	0	NM_001370
## 9422	NM_001370_intron_42_0_chr2_84685473_f	0	NM_001370
## 9423	NM_001370_intron_43_0_chr2_84686558_f	0	NM_001370
## 9424	NM_001370_intron_44_0_chr2_84688594_f	0	NM_001370
## 9425	NM_001370_intron_46_0_chr2_84697728_f	0	NM_001370
## 9426	NM_001370_intron_47_0_chr2_84699735_f	0	NM_001370
## 9427	NM_001370_intron_48_0_chr2_84701340_f	0	NM_001370
## 9428	NM_001370_intron_49_0_chr2_84703563_f	0	NM_001370
## 9429	NM_001370_intron_50_0_chr2_84704303_f	0	NM_001370
## 9430	NM_001370_intron_51_0_chr2_84705748_f	0	NM_001370
## 9431	NM_001370_intron_52_0_chr2_84707020_f	0	NM_001370
## 9432	NM_001370_intron_53_0_chr2_84707717_f	0	NM_001370
## 9433	NM_001370_intron_55_0_chr2_84710413_f	0	NM_001370
## 9434	NM_001370_intron_58_0_chr2_84718385_f	0	NM_001370
## 9435	NM_001370_intron_59_0_chr2_84722805_f	0	NM_001370
## 9436	NM_001370_intron_61_0_chr2_84733580_f	0	NM_001370
## 9437	NM_001370_intron_62_0_chr2_84745250_f	0	NM_001370
## 9438	NM_001370_intron_63_0_chr2_84762946_f	0	NM_001370
## 9439	NM_001370_intron_64_0_chr2_84781654_f	0	NM_001370
## 9440	NM_001370_intron_65_0_chr2_84784811_f	0	NM_001370
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## 9442	NM_001370_intron_67_0_chr2_84787303_f	0	NM_001370
## 9443	NM_001370_intron_68_0_chr2_84796426_f	0	NM_001370
## 9444	NM_001370_intron_69_0_chr2_84797659_f	0	NM_001370
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## 9446	NM_001370_intron_71_0_chr2_84808543_f	0	NM_001370
## 9447	NM_001370_intron_72_0_chr2_84812527_f	0	NM_001370
## 9448	NM_001370_intron_73_0_chr2_84813131_f	0	NM_001370
## 9449	NM_001370_intron_74_0_chr2_84814123_f	0	NM_001370
## 9450	NM_001370_intron_75_0_chr2_84816084_f	0	NM_001370
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## 9453	NM_001354229_intron_0_0_chr2_85875546_r	0	NM_001354229
## 9454	NM_001354238_intron_0_0_chr2_85863486_r	0	NM_001354238
## 9455	NM_031283_intron_0_0_chr2_85133934_f	0	NM_031283
## 9456	NM_031283_intron_1_0_chr2_85134080_f	0	NM_031283
## 9457	NM_031283_intron_3_0_chr2_85283579_f	0	NM_031283
## 9458	NM_031283_intron_4_0_chr2_85302617_f	0	NM_031283
## 9459	NM_031283_intron_7_0_chr2_85305404_f	0	NM_031283
## 9460	NM_001206841_intron_2_0_chr2_85322759_r	0	NM_001206841
## 9461	NM_001354223_intron_2_0_chr2_85863486_r	0	NM_001354223
## 9462	NM_001354223_intron_1_0_chr2_85868059_r	0	NM_001354223
## 9463	NM_001368095_intron_2_0_chr2_85322800_r	0	NM_001368095

## 9464	NM_001354224_intron_2_0_chr2_85853100_r	0	NM_001354224
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## 9466	NM_001042437_intron_0_0_chr2_85863486_r	0	NM_001042437
## 9467	NM_001354247_intron_1_0_chr2_85848382_r	0	NM_001354247
## 9468	NM_001354233_intron_2_0_chr2_85851704_r	0	NM_001354233
## 9469	NM_001354234_intron_0_0_chr2_85863486_r	0	NM_001354234
## 9470	NM_022912_intron_5_0_chr2_86217111_r	0	NM_022912
## 9471	NM_022912_intron_4_0_chr2_86232803_r	0	NM_022912
## 9472	NM_022912_intron_3_0_chr2_86252071_r	0	NM_022912
## 9473	NM_022912_intron_2_0_chr2_86254815_r	0	NM_022912
## 9474	NM_022912_intron_1_0_chr2_86264042_r	0	NM_022912
## 9475	NM_022912_intron_0_0_chr2_86282243_r	0	NM_022912
## 9476	NM_001193517_intron_2_0_chr2_86510430_r	0	NM_001193517
## 9477	NM_001164732_intron_2_0_chr2_86232803_r	0	NM_001164732
## 9478	NM_001164731_intron_0_0_chr2_86264042_r	0	NM_001164731
## 9479	NM_001198954_intron_2_0_chr2_86542313_r	0	NM_001198954
## 9480	NM_001198954_intron_0_0_chr2_86688326_r	0	NM_001198954
## 9481	NM_001164730_intron_0_0_chr2_86282243_r	0	NM_001164730
## 9482	NM_001371280_intron_4_0_chr2_86217111_r	0	NM_001371280
## 9483	NM_001371279_intron_7_0_chr2_86217111_r	0	NM_001371279
## 9484	NM_001371279_intron_6_0_chr2_86220122_r	0	NM_001371279
## 9485	NM_001371279_intron_5_0_chr2_86227399_r	0	NM_001371279
## 9486	NM_001024457_intron_0_0_chr2_87818624_r	0	NM_001024457
## 9487	NM_001313915_intron_0_0_chr2_88613854_r	0	NM_001313915
## 9488	NM_144707_intron_0_0_chr2_95274830_f	0	NM_144707
## 9489	NM_144707_intron_1_0_chr2_95275511_f	0	NM_144707
## 9490	NM_144707_intron_2_0_chr2_95276133_f	0	NM_144707
## 9491	NM_144707_intron_3_0_chr2_95276348_f	0	NM_144707
## 9492	NM_144707_intron_4_0_chr2_95276658_f	0	NM_144707
## 9493	NM_144707_intron_5_0_chr2_95277062_f	0	NM_144707
## 9494	NM_144707_intron_6_0_chr2_95277567_f	0	NM_144707
## 9495	NM_144707_intron_7_0_chr2_95278005_f	0	NM_144707
## 9496	NM_144707_intron_9_0_chr2_95279145_f	0	NM_144707
## 9497	NM_144707_intron_13_0_chr2_95282227_f	0	NM_144707
## 9498	NM_144707_intron_22_0_chr2_95289007_f	0	NM_144707
## 9499	NM_001321070_intron_1_0_chr2_95275511_f	0	NM_001321070
## 9500	NM_001321070_intron_6_0_chr2_95277497_f	0	NM_001321070
## 9501	NR_003366_intron_22_0_chr2_94761033_r	0	NR_003366
## 9502	NR_003366_intron_21_0_chr2_94761166_r	0	NR_003366
## 9503	NR_003366_intron_20_0_chr2_94790251_r	0	NR_003366
## 9504	NR_003366_intron_19_0_chr2_94791144_r	0	NR_003366
## 9505	NR_003366_intron_18_0_chr2_94792359_r	0	NR_003366
## 9506	NR_003366_intron_17_0_chr2_94796019_r	0	NR_003366
## 9507	NR_003366_intron_16_0_chr2_94798142_r	0	NR_003366
## 9508	NR_003366_intron_15_0_chr2_94799014_r	0	NR_003366
## 9509	NR_003366_intron_14_0_chr2_94806471_r	0	NR_003366
## 9510	NR_003366_intron_13_0_chr2_94808584_r	0	NR_003366
## 9511	NR_003366_intron_12_0_chr2_94813541_r	0	NR_003366
## 9512	NR_003366_intron_11_0_chr2_94816006_r	0	NR_003366
## 9513	NR_003366_intron_10_0_chr2_94817354_r	0	NR_003366
## 9514	NR_003366_intron_9_0_chr2_94818925_r	0	NR_003366
## 9515	NR_003366_intron_8_0_chr2_94823075_r	0	NR_003366
## 9516	NR_003366_intron_7_0_chr2_94829079_r	0	NR_003366
## 9517	NR_003366_intron_6_0_chr2_94829199_r	0	NR_003366

## 9518	NR_003366_intron_5_0_chr2_94832089_r	0	NR_003366
## 9519	NR_003366_intron_4_0_chr2_94845436_r	0	NR_003366
## 9520	NR_003366_intron_3_0_chr2_94848155_r	0	NR_003366
## 9521	NR_003366_intron_2_0_chr2_94849308_r	0	NR_003366
## 9522	NR_003366_intron_1_0_chr2_94853376_r	0	NR_003366
## 9523	NR_003366_intron_0_0_chr2_94853653_r	0	NR_003366
## 9524	NM_001165977_intron_22_0_chr2_95289007_f	0	NM_001165977
## 9525	NR_037597_intron_8_0_chr2_94870698_r	0	NR_037597
## 9526	NR_037597_intron_7_0_chr2_94873553_r	0	NR_037597
## 9527	NR_037597_intron_6_0_chr2_94881439_r	0	NR_037597
## 9528	NR_037597_intron_5_0_chr2_94887097_r	0	NR_037597
## 9529	NR_037597_intron_4_0_chr2_94892779_r	0	NR_037597
## 9530	NR_037597_intron_3_0_chr2_94930174_r	0	NR_037597
## 9531	NR_037597_intron_2_0_chr2_94930861_r	0	NR_037597
## 9532	NR_037597_intron_1_0_chr2_94932992_r	0	NR_037597
## 9533	NR_037597_intron_0_0_chr2_94935375_r	0	NR_037597
## 9534	NM_022438_intron_1_0_chr2_95048127_f	0	NM_022438
## 9535	NM_022439_intron_0_0_chr2_95025886_f	0	NM_022439
## 9536	NM_022440_intron_0_0_chr2_95025886_f	0	NM_022440
## 9537	NM_001281712_intron_0_0_chr2_96335849_f	0	NM_001281712
## 9538	NM_001349260_intron_13_0_chr2_96605497_r	0	NM_001349260
## 9539	NM_001322354_intron_2_0_chr2_96713140_r	0	NM_001322354
## 9540	NM_001322354_intron_0_0_chr2_96738068_r	0	NM_001322354
## 9541	NR_047658_intron_0_0_chr2_96637186_r	0	NR_047658
## 9542	NM_001349262_intron_2_0_chr2_96613620_r	0	NM_001349262
## 9543	NR_146102_intron_14_0_chr2_96605538_r	0	NR_146102
## 9544	NM_001345864_intron_0_0_chr2_98149642_f	0	NM_001345864
## 9545	NM_001345864_intron_1_0_chr2_98162977_f	0	NM_001345864
## 9546	NM_001345864_intron_2_0_chr2_98181213_f	0	NM_001345864
## 9547	NM_001345864_intron_3_0_chr2_98188130_f	0	NM_001345864
## 9548	NM_001345864_intron_4_0_chr2_98193037_f	0	NM_001345864
## 9549	NM_001345864_intron_5_0_chr2_98194493_f	0	NM_001345864
## 9550	NM_001345864_intron_6_0_chr2_98212029_f	0	NM_001345864
## 9551	NM_001345864_intron_7_0_chr2_98218029_f	0	NM_001345864
## 9552	NM_001345864_intron_8_0_chr2_98228333_f	0	NM_001345864
## 9553	NM_001345864_intron_9_0_chr2_98230208_f	0	NM_001345864
## 9554	NM_001345864_intron_10_0_chr2_98234768_f	0	NM_001345864
## 9555	NM_001345864_intron_11_0_chr2_98236478_f	0	NM_001345864
## 9556	NM_001345864_intron_12_0_chr2_98236731_f	0	NM_001345864
## 9557	NM_001345864_intron_13_0_chr2_98250437_f	0	NM_001345864
## 9558	NM_001345864_intron_14_0_chr2_98256175_f	0	NM_001345864
## 9559	NM_001345864_intron_15_0_chr2_98270884_f	0	NM_001345864
## 9560	NM_001345864_intron_16_0_chr2_98290623_f	0	NM_001345864
## 9561	NM_001345864_intron_17_0_chr2_98298032_f	0	NM_001345864
## 9562	NM_001345864_intron_18_0_chr2_98300217_f	0	NM_001345864
## 9563	NM_001345864_intron_19_0_chr2_98303803_f	0	NM_001345864
## 9564	NM_001345864_intron_20_0_chr2_98312033_f	0	NM_001345864
## 9565	NR_144297_intron_0_0_chr2_98087364_f	0	NR_144297
## 9566	NR_144297_intron_1_0_chr2_98093289_f	0	NR_144297
## 9567	NR_144297_intron_2_0_chr2_98115747_f	0	NR_144297
## 9568	NR_144297_intron_3_0_chr2_98119764_f	0	NR_144297
## 9569	NR_144297_intron_4_0_chr2_98121459_f	0	NR_144297
## 9570	NR_144297_intron_5_0_chr2_98128409_f	0	NR_144297
## 9571	NR_144297_intron_6_0_chr2_98133940_f	0	NR_144297

## 9572	NR_144297_intron_7_0_chr2_98162977_f	0	NR_144297
## 9573	NR_144297_intron_8_0_chr2_98179318_f	0	NR_144297
## 9574	NR_144297_intron_9_0_chr2_98181213_f	0	NR_144297
## 9575	NR_144296_intron_2_0_chr2_98115747_f	0	NR_144296
## 9576	NR_144296_intron_11_0_chr2_98212029_f	0	NR_144296
## 9577	NR_144296_intron_12_0_chr2_98216976_f	0	NR_144296
## 9578	NR_144296_intron_20_0_chr2_98256175_f	0	NR_144296
## 9579	NR_144296_intron_21_0_chr2_98269492_f	0	NR_144296
## 9580	NR_144298_intron_4_0_chr2_98121459_f	0	NR_144298
## 9581	NR_146001_intron_15_0_chr2_99018641_r	0	NR_146001
## 9582	NM_001349013_intron_8_0_chr2_99071875_r	0	NM_001349013
## 9583	NM_001349013_intron_3_0_chr2_99109547_r	0	NM_001349013
## 9584	NM_001349013_intron_0_0_chr2_99127177_r	0	NM_001349013
## 9585	NM_001349012_intron_1_0_chr2_99110916_r	0	NM_001349012
## 9586	NM_001349012_intron_0_0_chr2_99127177_r	0	NM_001349012
## 9587	NM_001349014_intron_0_0_chr2_99118687_r	0	NM_001349014
## 9588	NM_207362_intron_4_0_chr2_98827170_r	0	NM_207362
## 9589	NM_207362_intron_2_0_chr2_98832998_r	0	NM_207362
## 9590	NM_207362_intron_1_0_chr2_98838288_r	0	NM_207362
## 9591	NM_207362_intron_0_0_chr2_98846811_r	0	NM_207362
## 9592	NM_025244_intron_1_0_chr2_99118687_r	0	NM_025244
## 9593	NM_002518_intron_0_0_chr2_100820415_f	0	NM_002518
## 9594	NM_002518_intron_1_0_chr2_100904787_f	0	NM_002518
## 9595	NM_002518_intron_2_0_chr2_100925295_f	0	NM_002518
## 9596	NM_002518_intron_3_0_chr2_100933002_f	0	NM_002518
## 9597	NM_002518_intron_4_0_chr2_100937843_f	0	NM_002518
## 9598	NM_002518_intron_5_0_chr2_100948356_f	0	NM_002518
## 9599	NM_002518_intron_7_0_chr2_100964177_f	0	NM_002518
## 9600	NM_002518_intron_8_0_chr2_100964944_f	0	NM_002518
## 9601	NM_002518_intron_9_0_chr2_100965767_f	0	NM_002518
## 9602	NM_002518_intron_10_0_chr2_100968429_f	0	NM_002518
## 9603	NM_002518_intron_11_0_chr2_100971075_f	0	NM_002518
## 9604	NM_002518_intron_12_0_chr2_100974945_f	0	NM_002518
## 9605	NM_002518_intron_13_0_chr2_100975568_f	0	NM_002518
## 9606	NM_002518_intron_15_0_chr2_100982378_f	0	NM_002518
## 9607	NM_002518_intron_16_0_chr2_100988277_f	0	NM_002518
## 9608	NM_002518_intron_17_0_chr2_100990447_f	0	NM_002518
## 9609	NM_002518_intron_18_0_chr2_100990873_f	0	NM_002518
## 9610	NM_002518_intron_19_0_chr2_100993528_f	0	NM_002518
## 9611	NM_001011552_intron_0_0_chr2_102474016_f	0	NM_001011552
## 9612	NM_001011552_intron_1_0_chr2_102479303_f	0	NM_001011552
## 9613	NM_001011552_intron_2_0_chr2_102503708_f	0	NM_001011552
## 9614	NM_001011552_intron_3_0_chr2_102505472_f	0	NM_001011552
## 9615	NM_001011552_intron_4_0_chr2_102508282_f	0	NM_001011552
## 9616	NM_001011552_intron_5_0_chr2_102508934_f	0	NM_001011552
## 9617	NM_001011552_intron_6_0_chr2_102512274_f	0	NM_001011552
## 9618	NM_001011552_intron_7_0_chr2_102514252_f	0	NM_001011552
## 9619	NM_001011552_intron_8_0_chr2_102519956_f	0	NM_001011552
## 9620	NM_001011552_intron_9_0_chr2_102525156_f	0	NM_001011552
## 9621	NM_001011552_intron_10_0_chr2_102526347_f	0	NM_001011552
## 9622	NM_001320978_intron_0_0_chr2_102070534_f	0	NM_001320978
## 9623	NM_003048_intron_0_0_chr2_102620138_f	0	NM_003048
## 9624	NM_003048_intron_1_0_chr2_102658028_f	0	NM_003048
## 9625	NM_003048_intron_2_0_chr2_102665351_f	0	NM_003048

## 9626	NM_003048_intron_3_0_chr2_102683479_f	0	NM_003048
## 9627	NM_003048_intron_4_0_chr2_102684337_f	0	NM_003048
## 9628	NM_003048_intron_5_0_chr2_102694504_f	0	NM_003048
## 9629	NM_003048_intron_6_0_chr2_102695114_f	0	NM_003048
## 9630	NM_003048_intron_7_0_chr2_102701232_f	0	NM_003048
## 9631	NM_003048_intron_8_0_chr2_102702503_f	0	NM_003048
## 9632	NM_003048_intron_9_0_chr2_102704676_f	0	NM_003048
## 9633	NM_003048_intron_10_0_chr2_102705937_f	0	NM_003048
## 9634	NM_001351448_intron_0_0_chr2_102187083_f	0	NM_001351448
## 9635	NM_001351448_intron_1_0_chr2_102187926_f	0	NM_001351448
## 9636	NM_001351448_intron_2_0_chr2_102201716_f	0	NM_001351448
## 9637	NM_001351448_intron_3_0_chr2_102219083_f	0	NM_001351448
## 9638	NM_001351448_intron_4_0_chr2_102220018_f	0	NM_001351448
## 9639	NM_001351448_intron_5_0_chr2_102226042_f	0	NM_001351448
## 9640	NM_001351448_intron_6_0_chr2_102233125_f	0	NM_001351448
## 9641	NM_001351448_intron_7_0_chr2_102235278_f	0	NM_001351448
## 9642	NM_001351450_intron_0_0_chr2_102187087_f	0	NM_001351450
## 9643	NM_001351450_intron_1_0_chr2_102187926_f	0	NM_001351450
## 9644	NM_001351450_intron_2_0_chr2_102189311_f	0	NM_001351450
## 9645	NM_001351450_intron_3_0_chr2_102201716_f	0	NM_001351450
## 9646	NM_001351450_intron_4_0_chr2_102212175_f	0	NM_001351450
## 9647	NM_001351449_intron_1_0_chr2_102188133_f	0	NM_001351449
## 9648	NM_001351447_intron_2_0_chr2_102201716_f	0	NM_001351447
## 9649	NM_001351446_intron_0_0_chr2_102187343_f	0	NM_001351446
## 9650	NM_001351446_intron_2_0_chr2_102189311_f	0	NM_001351446
## 9651	NM_001351446_intron_3_0_chr2_102192121_f	0	NM_001351446
## 9652	NM_001288706_intron_9_0_chr2_102174731_f	0	NM_001288706
## 9653	NM_001371424_intron_1_0_chr2_102362719_f	0	NM_001371424
## 9654	NR_135562_intron_2_0_chr2_102873581_r	0	NR_135562
## 9655	NR_135562_intron_1_0_chr2_102891435_r	0	NR_135562
## 9656	NR_135562_intron_0_0_chr2_102894778_r	0	NR_135562
## 9657	NR_015399_intron_0_0_chr2_104434524_f	0	NR_015399
## 9658	NR_015399_intron_1_0_chr2_104506304_f	0	NR_015399
## 9659	NR_015399_intron_2_0_chr2_104507407_f	0	NR_015399
## 9660	NM_001318894_intron_0_0_chr2_105386541_r	0	NM_001318894
## 9661	NM_001318898_intron_2_0_chr2_105367740_r	0	NM_001318898
## 9662	NM_001318899_intron_3_0_chr2_105373734_r	0	NM_001318899
## 9663	NM_001318899_intron_2_0_chr2_105378118_r	0	NM_001318899
## 9664	NR_110603_intron_1_0_chr2_104936766_r	0	NR_110603
## 9665	NR_110603_intron_0_0_chr2_104945078_r	0	NR_110603
## 9666	NM_001318897_intron_0_0_chr2_105386541_r	0	NM_001318897
## 9667	NM_001328646_intron_10_0_chr2_105250413_r	0	NM_001328646
## 9668	NM_001374399_intron_0_0_chr2_105396698_r	0	NM_001374399
## 9669	NM_201555_intron_2_0_chr2_105386541_r	0	NM_201555
## 9670	NM_201555_intron_1_0_chr2_105390228_r	0	NM_201555
## 9671	NM_032528_intron_0_0_chr2_106844035_r	0	NM_032528
## 9672	NM_001142351_intron_0_0_chr2_106844035_r	0	NM_001142351
## 9673	NR_136313_intron_0_0_chr2_106834147_r	0	NR_136313
## 9674	NM_001142352_intron_4_0_chr2_106813225_r	0	NM_001142352
## 9675	NM_001322362_intron_0_0_chr2_106844035_r	0	NM_001322362
## 9676	NM_001144013_intron_21_0_chr2_106405230_r	0	NM_001144013
## 9677	NM_001144013_intron_20_0_chr2_106413286_r	0	NM_001144013
## 9678	NM_001144013_intron_19_0_chr2_106415990_r	0	NM_001144013
## 9679	NM_001144013_intron_16_0_chr2_106429782_r	0	NM_001144013

## 9680	NM_001144013_intron_14_0_chr2_106433286_r	0	NM_001144013
## 9681	NM_001144013_intron_13_0_chr2_106434375_r	0	NM_001144013
## 9682	NM_001144013_intron_11_0_chr2_106435203_r	0	NM_001144013
## 9683	NM_001144013_intron_10_0_chr2_106436247_r	0	NM_001144013
## 9684	NM_001144013_intron_8_0_chr2_106436855_r	0	NM_001144013
## 9685	NM_001144013_intron_5_0_chr2_106447614_r	0	NM_001144013
## 9686	NM_001144013_intron_1_0_chr2_106457679_r	0	NM_001144013
## 9687	NM_001144013_intron_0_0_chr2_106459333_r	0	NM_001144013
## 9688	NR_165308_intron_4_0_chr2_106145476_r	0	NR_165308
## 9689	NR_049853_intron_2_0_chr2_107149679_r	0	NR_049853
## 9690	NR_049853_intron_1_0_chr2_107149741_r	0	NR_049853
## 9691	NR_049853_intron_0_0_chr2_107313587_r	0	NR_049853
## 9692	NM_182588_intron_0_0_chr2_107827086_f	0	NM_182588
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## 9694	NM_182588_intron_2_0_chr2_107838369_f	0	NM_182588
## 9695	NM_182588_intron_5_0_chr2_107843731_f	0	NM_182588
## 9696	NM_182588_intron_8_0_chr2_107856970_f	0	NM_182588
## 9697	NM_182588_intron_10_0_chr2_107859555_f	0	NM_182588
## 9698	NM_182588_intron_11_0_chr2_107859846_f	0	NM_182588
## 9699	NM_182588_intron_13_0_chr2_107861332_f	0	NM_182588
## 9700	NM_182588_intron_14_0_chr2_107861741_f	0	NM_182588
## 9701	NM_182588_intron_15_0_chr2_107862862_f	0	NM_182588
## 9702	NM_182588_intron_16_0_chr2_107863033_f	0	NM_182588
## 9703	NM_182588_intron_20_0_chr2_107880108_f	0	NM_182588
## 9704	NM_182588_intron_21_0_chr2_107882874_f	0	NM_182588
## 9705	NM_022336_intron_10_0_chr2_108897230_r	0	NM_022336
## 9706	NM_022336_intron_9_0_chr2_108906369_r	0	NM_022336
## 9707	NM_022336_intron_8_0_chr2_108908020_r	0	NM_022336
## 9708	NM_022336_intron_7_0_chr2_108910533_r	0	NM_022336
## 9709	NM_022336_intron_6_0_chr2_108910851_r	0	NM_022336
## 9710	NM_022336_intron_5_0_chr2_108911073_r	0	NM_022336
## 9711	NM_022336_intron_4_0_chr2_108912765_r	0	NM_022336
## 9712	NM_022336_intron_3_0_chr2_108923454_r	0	NM_022336
## 9713	NM_022336_intron_2_0_chr2_108929380_r	0	NM_022336
## 9714	NM_022336_intron_1_0_chr2_108930243_r	0	NM_022336
## 9715	NM_022336_intron_0_0_chr2_108931033_r	0	NM_022336
## 9716	NM_001193485_intron_0_0_chr2_108655257_f	0	NM_001193485
## 9717	NR_135290_intron_1_0_chr2_108507622_r	0	NR_135290
## 9718	NR_147238_intron_12_0_chr2_108856971_f	0	NR_147238
## 9719	NR_130121_intron_2_0_chr2_108788967_f	0	NR_130121
## 9720	NM_001351561_intron_8_0_chr2_108816106_f	0	NM_001351561
## 9721	NM_001351565_intron_0_0_chr2_108786805_f	0	NM_001351565
## 9722	NM_001351557_intron_10_0_chr2_108856971_f	0	NM_001351557
## 9723	NM_001351557_intron_11_0_chr2_108882792_f	0	NM_001351557
## 9724	NM_001351548_intron_0_0_chr2_108786805_f	0	NM_001351548
## 9725	NM_001193482_intron_0_0_chr2_108607256_f	0	NM_001193482
## 9726	NM_001371498_intron_0_0_chr2_108570801_f	0	NM_001371498
## 9727	NM_001371497_intron_0_0_chr2_108580396_f	0	NM_001371497
## 9728	NM_001371496_intron_0_0_chr2_108533809_f	0	NM_001371496
## 9729	NM_001371495_intron_8_0_chr2_108680771_f	0	NM_001371495
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## 9731	NM_001321508_intron_4_0_chr2_109546238_r	0	NM_001321508
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## 9733	NM_001321507_intron_6_0_chr2_109546238_r	0	NM_001321507

## 9734	NM_001321507_intron_5_0_chr2_109553220_r	0 NM_001321507
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## 9737	NM_001321511_intron_0_0_chr2_109567977_r	0 NM_001321511
## 9738	NM_001321509_intron_1_0_chr2_109585839_r	0 NM_001321509
## 9739	NM_178584_intron_0_0_chr2_109585839_r	0 NM_178584
## 9740	NM_001321513_intron_0_0_chr2_109593120_r	0 NM_001321513
## 9741	NM_001321515_intron_0_0_chr2_109585839_r	0 NM_001321515
## 9742	NM_001321514_intron_0_0_chr2_109593120_r	0 NM_001321514
## 9743	NM_001384364_intron_0_0_chr2_109795077_f	0 NM_001384364
## 9744	NM_001384363_intron_0_0_chr2_109760772_f	0 NM_001384363
## 9745	NM_001321498_intron_10_0_chr2_109544325_r	0 NM_001321498
## 9746	NM_001321498_intron_9_0_chr2_109545543_r	0 NM_001321498
## 9747	NM_001384362_intron_0_0_chr2_109760514_f	0 NM_001384362
## 9748	NM_001123363_intron_0_0_chr2_109792990_f	0 NM_001123363
## 9749	NM_001142807_intron_0_0_chr2_110732775_f	0 NM_001142807
## 9750	NM_001142807_intron_1_0_chr2_110768465_f	0 NM_001142807
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## 9753	NM_001142807_intron_4_0_chr2_110794175_f	0 NM_001142807
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## 9774	NR_136165_intron_0_0_chr2_111344238_r	0 NR_136165
## 9775	NR_136164_intron_3_0_chr2_111197195_r	0 NR_136164
## 9776	NR_136163_intron_5_0_chr2_111197195_r	0 NR_136163
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## 9785	NM_001350494_intron_9_0_chr2_112724127_f	0 NM_001350494
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## 9799	NM_001354428_intron_3_0_chr2_113634233_f	0 NM_001354428
## 9800	NM_001354426_intron_2_0_chr2_113632945_f	0 NM_001354426
## 9801	NM_001277140_intron_0_0_chr2_113890779_f	0 NM_001277140
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## 9803	NM_001354417_intron_8_0_chr2_113642109_f	0 NM_001354417
## 9804	NR_148879_intron_4_0_chr2_113635131_f	0 NR_148879
## 9805	NM_001321333_intron_0_0_chr2_118088543_f	0 NM_001321333
## 9806	NM_001321333_intron_1_0_chr2_118091624_f	0 NM_001321333
## 9807	NM_001321332_intron_0_0_chr2_118088668_f	0 NM_001321332
## 9808	NM_001321329_intron_0_0_chr2_118088667_f	0 NM_001321329
## 9809	NM_001321330_intron_0_0_chr2_118088542_f	0 NM_001321330
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## 9814	NM_001330307_intron_1_0_chr2_120019269_f	0 NM_001330307
## 9815	NM_001184937_intron_22_0_chr2_120167508_f	0 NM_001184937
## 9816	NR_135920_intron_16_0_chr2_120101692_f	0 NR_135920
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## 9818	NM_001374354_intron_1_0_chr2_120797469_f	0 NM_001374354
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## 9827	NM_001136037_intron_1_0_chr2_127657563_r	0 NM_001136037
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## 9846	NR_167888_intron_4_0_chr2_131688304_f	0	NR_167888
## 9847	NR_167888_intron_5_0_chr2_131722649_f	0	NR_167888
## 9848	NR_167888_intron_6_0_chr2_131733953_f	0	NR_167888
## 9849	NR_167888_intron_7_0_chr2_131750831_f	0	NR_167888
## 9850	NR_167888_intron_8_0_chr2_131751586_f	0	NR_167888
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## 9853	NR_033885_intron_2_0_chr2_131597222_f	0	NR_033885
## 9854	NR_033885_intron_3_0_chr2_131600112_f	0	NR_033885
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## 9863	NR_146484_intron_2_0_chr2_131994988_r	0	NR_146484
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## 9865	NR_146484_intron_0_0_chr2_132037492_r	0	NR_146484
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## 9868	NR_167889_intron_7_0_chr2_131751586_f	0	NR_167889
## 9869	NR_167889_intron_8_0_chr2_131758538_f	0	NR_167889
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## 9873	NM_001321234_intron_0_0_chr2_132669920_r	0	NM_001321234
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## 9885	NM_025052_intron_6_0_chr2_134983826_r	0	NM_025052
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## 9889	NM_025052_intron_2_0_chr2_135000016_r	0	NM_025052
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## 9891	NM_025052_intron_0_0_chr2_135021831_r	0	NM_025052
## 9892	NM_001307983_intron_0_0_chr2_134838740_f	0	NM_001307983
## 9893	NM_001307983_intron_1_0_chr2_134844472_f	0	NM_001307983
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## 9898	NM_001307983_intron_6_0_chr2_134871061_f	0	NM_001307983
## 9899	NM_001307983_intron_7_0_chr2_134872642_f	0	NM_001307983
## 9900	NM_001307983_intron_8_0_chr2_134898440_f	0	NM_001307983
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## 9909	NM_001018047_intron_6_0_chr2_134981407_r	0	NM_001018047
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## 9912	NM_138326_intron_2_0_chr2_134859358_f	0	NM_138326
## 9913	NM_138326_intron_3_0_chr2_134862019_f	0	NM_138326
## 9914	NM_002299_intron_12_0_chr2_135794776_r	0	NM_002299
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## 9917	NM_002299_intron_9_0_chr2_135804129_r	0	NM_002299
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## 9926	NM_002299_intron_0_0_chr2_135833191_r	0	NM_002299
## 9927	NM_001282798_intron_0_0_chr2_135586507_f	0	NM_001282798
## 9928	NM_001282800_intron_1_0_chr2_135602709_f	0	NM_001282800
## 9929	NM_001378107_intron_16_0_chr2_135650004_f	0	NM_001378107
## 9930	NR_120402_intron_1_0_chr2_137879852_r	0	NR_120402
## 9931	NR_120402_intron_0_0_chr2_137926409_r	0	NR_120402
## 9932	NM_007226_intron_0_0_chr2_138671666_r	0	NM_007226
## 9933	NM_001354358_intron_0_0_chr2_144235738_r	0	NM_001354358
## 9934	NM_001376316_intron_6_0_chr2_143970763_r	0	NM_001376316
## 9935	NM_001376330_intron_0_0_chr2_144235738_r	0	NM_001376330
## 9936	NM_001376318_intron_0_0_chr2_144235738_r	0	NM_001376318
## 9937	NM_001376320_intron_0_0_chr2_144235738_r	0	NM_001376320
## 9938	NM_001284234_intron_1_0_chr2_144145740_r	0	NM_001284234
## 9939	NM_001284238_intron_4_0_chr2_144177241_r	0	NM_001284238
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## 9942	NR_164803_intron_5_0_chr2_144136319_r	0	NR_164803
## 9943	NR_148872_intron_6_0_chr2_143957340_r	0	NR_148872
## 9944	NR_148872_intron_0_0_chr2_144235738_r	0	NR_148872
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## 9947	NM_001354356_intron_1_0_chr2_144235738_r	0	NM_001354356
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## 9953	NM_001376319_intron_0_0_chr2_144237340_r	0	NM_001376319
## 9954	NM_001376332_intron_5_0_chr2_143952844_r	0	NM_001376332
## 9955	NM_001376309_intron_1_0_chr2_144235738_r	0	NM_001376309
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## 9958	NM_001376321_intron_0_0_chr2_144230323_r	0	NM_001376321
## 9959	NM_001354351_intron_7_0_chr2_144145740_r	0	NM_001354351
## 9960	NM_001354351_intron_1_0_chr2_144317589_r	0	NM_001354351
## 9961	NM_001376311_intron_1_0_chr2_144211580_r	0	NM_001376311
## 9962	NM_001376311_intron_0_0_chr2_144297889_r	0	NM_001376311
## 9963	NM_001376313_intron_0_0_chr2_144211580_r	0	NM_001376313
## 9964	NR_164800_intron_3_0_chr2_144142056_r	0	NR_164800
## 9965	NM_001354354_intron_0_0_chr2_144237340_r	0	NM_001354354
## 9966	NM_001164629_intron_1_0_chr2_144211598_r	0	NM_001164629
## 9967	NR_164809_intron_8_0_chr2_143952844_r	0	NR_164809
## 9968	NR_164809_intron_1_0_chr2_144208805_r	0	NR_164809
## 9969	NM_001354353_intron_7_0_chr2_143952074_r	0	NM_001354353
## 9970	NM_001354353_intron_1_0_chr2_144235738_r	0	NM_001354353
## 9971	NM_001354353_intron_0_0_chr2_144329235_r	0	NM_001354353
## 9972	NM_001354350_intron_7_0_chr2_144011815_r	0	NM_001354350
## 9973	NM_001354350_intron_6_0_chr2_144128045_r	0	NM_001354350
## 9974	NM_001354350_intron_5_0_chr2_144128323_r	0	NM_001354350
## 9975	NM_001376329_intron_7_0_chr2_144011815_r	0	NM_001376329
## 9976	NR_164807_intron_6_0_chr2_143970763_r	0	NR_164807
## 9977	NR_164808_intron_8_0_chr2_143957340_r	0	NR_164808
## 9978	NR_164808_intron_7_0_chr2_143968202_r	0	NR_164808
## 9979	NR_164808_intron_6_0_chr2_143970763_r	0	NR_164808
## 9980	NR_164808_intron_5_0_chr2_144128045_r	0	NR_164808
## 9981	NR_164806_intron_0_0_chr2_144248698_r	0	NR_164806
## 9982	NM_001190881_intron_0_0_chr2_147958867_r	0	NM_001190881
## 9983	NM_001374270_intron_0_0_chr2_147982082_r	0	NM_001374270
## 9984	NM_001317006_intron_0_0_chr2_149038802_f	0	NM_001317006
## 9985	NM_001317005_intron_0_0_chr2_149038802_f	0	NM_001317005
## 9986	NM_001317005_intron_1_0_chr2_149119164_f	0	NM_001317005
## 9987	NM_001317004_intron_0_0_chr2_149077597_f	0	NM_001317004
## 9988	NM_177964_intron_1_0_chr2_149130954_f	0	NM_177964
## 9989	NM_001317002_intron_0_0_chr2_149118266_f	0	NM_001317002
## 9990	NM_001195685_intron_0_0_chr2_149330203_f	0	NM_001195685
## 9991	NM_001195685_intron_2_0_chr2_149449148_f	0	NM_001195685
## 9992	NR_110240_intron_0_0_chr2_149587851_f	0	NR_110240
## 9993	NR_110240_intron_1_0_chr2_149743760_f	0	NR_110240
## 9994	NR_145421_intron_3_0_chr2_149767910_r	0	NR_145421
## 9995	NR_145421_intron_2_0_chr2_149769407_r	0	NR_145421
## 9996	NR_145421_intron_1_0_chr2_149804221_r	0	NR_145421
## 9997	NR_145421_intron_0_0_chr2_149858604_r	0	NR_145421
## 9998	NM_194317_intron_0_0_chr2_149330723_f	0	NM_194317
## 9999	NM_005168_intron_3_0_chr2_150471762_r	0	NM_005168
## 10000	NM_001320722_intron_0_0_chr2_151971705_r	0	NM_001320722
## 10001	NM_001330118_intron_0_0_chr2_151971705_r	0	NM_001330118
## 10002	NM_001330117_intron_2_0_chr2_151883371_r	0	NM_001330117
## 10003	NM_001330117_intron_1_0_chr2_151970427_r	0	NM_001330117

## 10004	NM_001330115_intron_0_0_chr2_151883371_r	0 NM_001330115
## 10005	NM_198557_intron_0_0_chr2_151255744_r	0 NM_198557
## 10006	NM_001164507_intron_175_0_chr2_151492495_r	0 NM_001164507
## 10007	NM_001164507_intron_174_0_chr2_151493446_r	0 NM_001164507
## 10008	NM_001164507_intron_173_0_chr2_151493868_r	0 NM_001164507
## 10009	NM_001164507_intron_172_0_chr2_151494254_r	0 NM_001164507
## 10010	NM_001164507_intron_171_0_chr2_151496369_r	0 NM_001164507
## 10011	NM_001164507_intron_170_0_chr2_151497034_r	0 NM_001164507
## 10012	NM_001164507_intron_169_0_chr2_151497719_r	0 NM_001164507
## 10013	NM_001164507_intron_168_0_chr2_151498353_r	0 NM_001164507
## 10014	NM_001164507_intron_167_0_chr2_151499391_r	0 NM_001164507
## 10015	NM_001164507_intron_166_0_chr2_151501484_r	0 NM_001164507
## 10016	NM_001164507_intron_165_0_chr2_151502886_r	0 NM_001164507
## 10017	NM_001164507_intron_157_0_chr2_151514429_r	0 NM_001164507
## 10018	NM_001164507_intron_156_0_chr2_151514929_r	0 NM_001164507
## 10019	NM_001164507_intron_142_0_chr2_151531897_r	0 NM_001164507
## 10020	NM_001164507_intron_141_0_chr2_151534320_r	0 NM_001164507
## 10021	NM_001164507_intron_123_0_chr2_151555045_r	0 NM_001164507
## 10022	NM_001164507_intron_122_0_chr2_151560700_r	0 NM_001164507
## 10023	NM_001164507_intron_121_0_chr2_151561109_r	0 NM_001164507
## 10024	NM_001164507_intron_120_0_chr2_151561313_r	0 NM_001164507
## 10025	NM_001164507_intron_119_0_chr2_151562215_r	0 NM_001164507
## 10026	NM_001164507_intron_118_0_chr2_151562809_r	0 NM_001164507
## 10027	NM_001164507_intron_117_0_chr2_151563720_r	0 NM_001164507
## 10028	NM_001164507_intron_116_0_chr2_151563931_r	0 NM_001164507
## 10029	NM_001164507_intron_115_0_chr2_151565149_r	0 NM_001164507
## 10030	NM_001164507_intron_113_0_chr2_151565821_r	0 NM_001164507
## 10031	NM_001164507_intron_111_0_chr2_151568179_r	0 NM_001164507
## 10032	NM_001164507_intron_110_0_chr2_151568418_r	0 NM_001164507
## 10033	NM_001164507_intron_109_0_chr2_151568717_r	0 NM_001164507
## 10034	NM_001164507_intron_108_0_chr2_151569373_r	0 NM_001164507
## 10035	NM_001164507_intron_107_0_chr2_151570393_r	0 NM_001164507
## 10036	NM_001164507_intron_106_0_chr2_151570602_r	0 NM_001164507
## 10037	NM_001164507_intron_105_0_chr2_151575800_r	0 NM_001164507
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## 10046	NM_001164507_intron_96_0_chr2_151587578_r	0 NM_001164507
## 10047	NM_001164507_intron_95_0_chr2_151590201_r	0 NM_001164507
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## 10049	NM_001164507_intron_93_0_chr2_151592139_r	0 NM_001164507
## 10050	NM_001164507_intron_92_0_chr2_151593220_r	0 NM_001164507
## 10051	NM_001164507_intron_91_0_chr2_151594319_r	0 NM_001164507
## 10052	NM_001164507_intron_90_0_chr2_151596168_r	0 NM_001164507
## 10053	NM_001164507_intron_89_0_chr2_151597063_r	0 NM_001164507
## 10054	NM_001164507_intron_88_0_chr2_151598131_r	0 NM_001164507
## 10055	NM_001164507_intron_87_0_chr2_151600754_r	0 NM_001164507
## 10056	NM_001164507_intron_86_0_chr2_151602009_r	0 NM_001164507
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## 10062	NM_001164507_intron_79_0_chr2_151610121_r	0	NM_001164507
## 10063	NM_001164507_intron_78_0_chr2_151610624_r	0	NM_001164507
## 10064	NM_001164507_intron_77_0_chr2_151610867_r	0	NM_001164507
## 10065	NM_001164507_intron_76_0_chr2_151612390_r	0	NM_001164507
## 10066	NM_001164507_intron_75_0_chr2_151614588_r	0	NM_001164507
## 10067	NM_001164507_intron_74_0_chr2_151616110_r	0	NM_001164507
## 10068	NM_001164507_intron_73_0_chr2_151617469_r	0	NM_001164507
## 10069	NM_001164507_intron_72_0_chr2_151618479_r	0	NM_001164507
## 10070	NM_001164507_intron_71_0_chr2_151619763_r	0	NM_001164507
## 10071	NM_001164507_intron_70_0_chr2_151621027_r	0	NM_001164507
## 10072	NM_001164507_intron_69_0_chr2_151625639_r	0	NM_001164507
## 10073	NM_001164507_intron_68_0_chr2_151627206_r	0	NM_001164507
## 10074	NM_001164507_intron_67_0_chr2_151627835_r	0	NM_001164507
## 10075	NM_001164507_intron_66_0_chr2_151629647_r	0	NM_001164507
## 10076	NM_001164507_intron_65_0_chr2_151630820_r	0	NM_001164507
## 10077	NM_001164507_intron_64_0_chr2_151631347_r	0	NM_001164507
## 10078	NM_001164507_intron_63_0_chr2_151633966_r	0	NM_001164507
## 10079	NM_001164507_intron_62_0_chr2_151636335_r	0	NM_001164507
## 10080	NM_001164507_intron_61_0_chr2_151639385_r	0	NM_001164507
## 10081	NM_001164507_intron_60_0_chr2_151640061_r	0	NM_001164507
## 10082	NM_001164507_intron_59_0_chr2_151640667_r	0	NM_001164507
## 10083	NM_001164507_intron_58_0_chr2_151642682_r	0	NM_001164507
## 10084	NM_001164507_intron_57_0_chr2_151642870_r	0	NM_001164507
## 10085	NM_001164507_intron_56_0_chr2_151643354_r	0	NM_001164507
## 10086	NM_001164507_intron_55_0_chr2_151644130_r	0	NM_001164507
## 10087	NM_001164507_intron_54_0_chr2_151644576_r	0	NM_001164507
## 10088	NM_001164507_intron_53_0_chr2_151646235_r	0	NM_001164507
## 10089	NM_001164507_intron_52_0_chr2_151650380_r	0	NM_001164507
## 10090	NM_001164507_intron_51_0_chr2_151650886_r	0	NM_001164507
## 10091	NM_001164507_intron_50_0_chr2_151654100_r	0	NM_001164507
## 10092	NM_001164507_intron_49_0_chr2_151655375_r	0	NM_001164507
## 10093	NM_001164507_intron_48_0_chr2_151656024_r	0	NM_001164507
## 10094	NM_001164507_intron_47_0_chr2_151656465_r	0	NM_001164507
## 10095	NM_001164507_intron_46_0_chr2_151658091_r	0	NM_001164507
## 10096	NM_001164507_intron_45_0_chr2_151659170_r	0	NM_001164507
## 10097	NM_001164507_intron_44_0_chr2_151662342_r	0	NM_001164507
## 10098	NM_001164507_intron_43_0_chr2_151663860_r	0	NM_001164507
## 10099	NM_001164507_intron_42_0_chr2_151664609_r	0	NM_001164507
## 10100	NM_001164507_intron_41_0_chr2_151664864_r	0	NM_001164507
## 10101	NM_001164507_intron_40_0_chr2_151665540_r	0	NM_001164507
## 10102	NM_001164507_intron_39_0_chr2_151666402_r	0	NM_001164507
## 10103	NM_001164507_intron_38_0_chr2_151667912_r	0	NM_001164507
## 10104	NM_001164507_intron_37_0_chr2_151669132_r	0	NM_001164507
## 10105	NM_001164507_intron_36_0_chr2_151671230_r	0	NM_001164507
## 10106	NM_001164507_intron_35_0_chr2_151672681_r	0	NM_001164507
## 10107	NM_001164507_intron_34_0_chr2_151674585_r	0	NM_001164507
## 10108	NM_001164507_intron_33_0_chr2_151675392_r	0	NM_001164507
## 10109	NM_001164507_intron_32_0_chr2_151677772_r	0	NM_001164507
## 10110	NM_001164507_intron_31_0_chr2_151678188_r	0	NM_001164507
## 10111	NM_001164507_intron_30_0_chr2_151679829_r	0	NM_001164507

## 10112	NM_001164507_intron_29_0_chr2_151680023_r	0	NM_001164507
## 10113	NM_001164507_intron_28_0_chr2_151680829_r	0	NM_001164507
## 10114	NM_001164507_intron_27_0_chr2_151682770_r	0	NM_001164507
## 10115	NM_001164507_intron_26_0_chr2_151684976_r	0	NM_001164507
## 10116	NM_001164507_intron_25_0_chr2_151687533_r	0	NM_001164507
## 10117	NM_001164507_intron_24_0_chr2_151687734_r	0	NM_001164507
## 10118	NM_001164507_intron_23_0_chr2_151688397_r	0	NM_001164507
## 10119	NM_001164507_intron_22_0_chr2_151690826_r	0	NM_001164507
## 10120	NM_001164507_intron_21_0_chr2_151691969_r	0	NM_001164507
## 10121	NM_001164507_intron_20_0_chr2_151692167_r	0	NM_001164507
## 10122	NM_001164507_intron_19_0_chr2_151692363_r	0	NM_001164507
## 10123	NM_001164507_intron_18_0_chr2_151694437_r	0	NM_001164507
## 10124	NM_001164507_intron_17_0_chr2_151694630_r	0	NM_001164507
## 10125	NM_001164507_intron_16_0_chr2_151695683_r	0	NM_001164507
## 10126	NM_001164507_intron_15_0_chr2_151696736_r	0	NM_001164507
## 10127	NM_001164507_intron_14_0_chr2_151697253_r	0	NM_001164507
## 10128	NM_001164507_intron_13_0_chr2_151697458_r	0	NM_001164507
## 10129	NM_001164507_intron_12_0_chr2_151697649_r	0	NM_001164507
## 10130	NM_001164507_intron_11_0_chr2_151706998_r	0	NM_001164507
## 10131	NM_001164507_intron_10_0_chr2_151709764_r	0	NM_001164507
## 10132	NM_001164507_intron_9_0_chr2_151710539_r	0	NM_001164507
## 10133	NM_001164507_intron_8_0_chr2_151717521_r	0	NM_001164507
## 10134	NM_001164507_intron_7_0_chr2_151723487_r	0	NM_001164507
## 10135	NM_001164507_intron_6_0_chr2_151724365_r	0	NM_001164507
## 10136	NM_001164507_intron_5_0_chr2_151724962_r	0	NM_001164507
## 10137	NM_001164507_intron_4_0_chr2_151725561_r	0	NM_001164507
## 10138	NM_001164507_intron_3_0_chr2_151727907_r	0	NM_001164507
## 10139	NM_001164507_intron_2_0_chr2_151729657_r	0	NM_001164507
## 10140	NM_001164507_intron_1_0_chr2_151733186_r	0	NM_001164507
## 10141	NM_001164507_intron_0_0_chr2_151733796_r	0	NM_001164507
## 10142	NM_001271208_intron_142_0_chr2_151533547_r	0	NM_001271208
## 10143	NM_004543_intron_138_0_chr2_151496369_r	0	NM_004543
## 10144	NM_004543_intron_76_0_chr2_151576355_r	0	NM_004543
## 10145	NM_004543_intron_61_0_chr2_151630820_r	0	NM_004543
## 10146	NM_001164508_intron_141_0_chr2_151533547_r	0	NM_001164508
## 10147	NM_001260508_intron_0_0_chr2_154699478_f	0	NM_001260508
## 10148	NM_002239_intron_0_0_chr2_154699478_f	0	NM_002239
## 10149	NM_002239_intron_1_0_chr2_154709820_f	0	NM_002239
## 10150	NM_001135098_intron_0_0_chr2_157995260_f	0	NM_001135098
## 10151	NM_001135098_intron_1_0_chr2_158015887_f	0	NM_001135098
## 10152	NM_001135098_intron_2_0_chr2_158102126_f	0	NM_001135098
## 10153	NM_001135098_intron_3_0_chr2_158106217_f	0	NM_001135098
## 10154	NM_001135098_intron_4_0_chr2_158115260_f	0	NM_001135098
## 10155	NM_001135098_intron_7_0_chr2_158123896_f	0	NM_001135098
## 10156	NM_001347664_intron_0_0_chr2_157826647_r	0	NM_001347664
## 10157	NM_001347663_intron_0_0_chr2_157818560_r	0	NM_001347663
## 10158	NR_038850_intron_0_0_chr2_158166724_f	0	NR_038850
## 10159	NR_038850_intron_1_0_chr2_158176696_f	0	NR_038850
## 10160	NR_038850_intron_2_0_chr2_158178113_f	0	NR_038850
## 10161	NR_038850_intron_3_0_chr2_158207618_f	0	NR_038850
## 10162	NM_001105_intron_0_0_chr2_157818560_r	0	NM_001105
## 10163	NM_001347667_intron_0_0_chr2_157826647_r	0	NM_001347667
## 10164	NM_001347666_intron_1_0_chr2_157818560_r	0	NM_001347666
## 10165	NM_001347666_intron_0_0_chr2_157860180_r	0	NM_001347666

## 10166	NM_001347665_intron_0_0_chr2_157819490_r	0	NM_001347665
## 10167	NM_145259_intron_7_0_chr2_157534044_r	0	NM_145259
## 10168	NM_145259_intron_6_0_chr2_157538704_r	0	NM_145259
## 10169	NM_145259_intron_5_0_chr2_157541215_r	0	NM_145259
## 10170	NM_145259_intron_4_0_chr2_157542863_r	0	NM_145259
## 10171	NM_145259_intron_3_0_chr2_157544613_r	0	NM_145259
## 10172	NM_145259_intron_2_0_chr2_157550393_r	0	NM_145259
## 10173	NM_145259_intron_1_0_chr2_157556333_r	0	NM_145259
## 10174	NM_145259_intron_0_0_chr2_157587418_r	0	NM_145259
## 10175	NM_001111033_intron_1_0_chr2_157544613_r	0	NM_001111033
## 10176	NM_001111032_intron_1_0_chr2_157550393_r	0	NM_001111032
## 10177	NM_001111031_intron_0_0_chr2_157587418_r	0	NM_001111031
## 10178	NM_001145909_intron_25_0_chr2_159228902_f	0	NM_001145909
## 10179	NM_001128213_intron_0_0_chr2_159283094_r	0	NM_001128213
## 10180	NM_001377220_intron_0_0_chr2_158457219_f	0	NM_001377220
## 10181	NM_001377220_intron_1_0_chr2_158500082_f	0	NM_001377220
## 10182	NM_001350062_intron_4_0_chr2_159136299_f	0	NM_001350062
## 10183	NM_001330276_intron_2_0_chr2_159256376_r	0	NM_001330276
## 10184	NM_001330278_intron_0_0_chr2_159283094_r	0	NM_001330278
## 10185	NM_152528_intron_0_0_chr2_159283094_r	0	NM_152528
## 10186	NR_135242_intron_2_0_chr2_158661751_r	0	NR_135242
## 10187	NR_135242_intron_1_0_chr2_158666082_r	0	NR_135242
## 10188	NR_135242_intron_0_0_chr2_158679390_r	0	NR_135242
## 10189	NM_001377221_intron_0_0_chr2_158458308_f	0	NM_001377221
## 10190	NM_001377221_intron_1_0_chr2_158477916_f	0	NM_001377221
## 10191	NM_001377225_intron_0_0_chr2_158457219_f	0	NM_001377225
## 10192	NM_001350063_intron_3_0_chr2_159097835_f	0	NM_001350063
## 10193	NM_001350065_intron_1_0_chr2_159001190_f	0	NM_001350065
## 10194	NM_001350065_intron_2_0_chr2_159043445_f	0	NM_001350065
## 10195	NM_001282388_intron_12_0_chr2_160101835_r	0	NM_001282388
## 10196	NM_001282388_intron_11_0_chr2_160107846_r	0	NM_001282388
## 10197	NM_001282388_intron_10_0_chr2_160112200_r	0	NM_001282388
## 10198	NM_001282388_intron_9_0_chr2_160123889_r	0	NM_001282388
## 10199	NM_001282388_intron_8_0_chr2_160126602_r	0	NM_001282388
## 10200	NM_001282388_intron_7_0_chr2_160137852_r	0	NM_001282388
## 10201	NM_001282388_intron_6_0_chr2_160138200_r	0	NM_001282388
## 10202	NM_001282388_intron_5_0_chr2_160142072_r	0	NM_001282388
## 10203	NM_001282388_intron_4_0_chr2_160169308_r	0	NM_001282388
## 10204	NM_001282388_intron_3_0_chr2_160172731_r	0	NM_001282388
## 10205	NM_001282388_intron_2_0_chr2_160174140_r	0	NM_001282388
## 10206	NM_001282388_intron_1_0_chr2_160195616_r	0	NM_001282388
## 10207	NM_001282388_intron_0_0_chr2_160196421_r	0	NM_001282388
## 10208	NM_001195641_intron_28_0_chr2_159941993_r	0	NM_001195641
## 10209	NM_001195641_intron_27_0_chr2_159942160_r	0	NM_001195641
## 10210	NM_001195641_intron_26_0_chr2_159945083_r	0	NM_001195641
## 10211	NM_001195641_intron_25_0_chr2_159946918_r	0	NM_001195641
## 10212	NM_001195641_intron_24_0_chr2_159947560_r	0	NM_001195641
## 10213	NM_001195641_intron_20_0_chr2_159955829_r	0	NM_001195641
## 10214	NM_001282390_intron_1_0_chr2_160195616_r	0	NM_001282390
## 10215	NM_001282354_intron_0_0_chr2_160195616_r	0	NM_001282354
## 10216	NM_001282353_intron_2_0_chr2_160196421_r	0	NM_001282353
## 10217	NM_001282353_intron_1_0_chr2_160199259_r	0	NM_001282353
## 10218	NM_001282353_intron_0_0_chr2_160200079_r	0	NM_001282353
## 10219	NM_001282355_intron_9_0_chr2_160112200_r	0	NM_001282355

## 10220	NM_001354441_intron_0_0_chr2_161624567_f	0	NM_001354441
## 10221	NM_001354441_intron_1_0_chr2_161708830_f	0	NM_001354441
## 10222	NM_001354441_intron_2_0_chr2_161771055_f	0	NM_001354441
## 10223	NM_001354441_intron_3_0_chr2_161804596_f	0	NM_001354441
## 10224	NM_001354441_intron_4_0_chr2_161839928_f	0	NM_001354441
## 10225	NM_001354441_intron_5_0_chr2_161855131_f	0	NM_001354441
## 10226	NM_001354441_intron_6_0_chr2_161863063_f	0	NM_001354441
## 10227	NM_001354441_intron_7_0_chr2_161872385_f	0	NM_001354441
## 10228	NM_001354441_intron_8_0_chr2_161874006_f	0	NM_001354441
## 10229	NM_001354441_intron_9_0_chr2_161879289_f	0	NM_001354441
## 10230	NM_001354441_intron_10_0_chr2_161882445_f	0	NM_001354441
## 10231	NM_001354441_intron_11_0_chr2_161894826_f	0	NM_001354441
## 10232	NM_001354441_intron_12_0_chr2_161901012_f	0	NM_001354441
## 10233	NM_001354441_intron_13_0_chr2_161904179_f	0	NM_001354441
## 10234	NM_001354441_intron_14_0_chr2_161904910_f	0	NM_001354441
## 10235	NM_001354441_intron_15_0_chr2_161905888_f	0	NM_001354441
## 10236	NM_001354441_intron_16_0_chr2_161942898_f	0	NM_001354441
## 10237	NM_001354441_intron_17_0_chr2_161947728_f	0	NM_001354441
## 10238	NM_001354441_intron_18_0_chr2_161949262_f	0	NM_001354441
## 10239	NM_001354441_intron_19_0_chr2_161950849_f	0	NM_001354441
## 10240	NM_001354441_intron_20_0_chr2_161957241_f	0	NM_001354441
## 10241	NM_001354441_intron_21_0_chr2_161958556_f	0	NM_001354441
## 10242	NM_001354441_intron_22_0_chr2_161964309_f	0	NM_001354441
## 10243	NM_001354441_intron_25_0_chr2_161976877_f	0	NM_001354441
## 10244	NM_001354441_intron_26_0_chr2_161977761_f	0	NM_001354441
## 10245	NM_001354445_intron_7_0_chr2_161872385_f	0	NM_001354445
## 10246	NM_001354445_intron_24_0_chr2_161976877_f	0	NM_001354445
## 10247	NM_001354447_intron_1_0_chr2_161708830_f	0	NM_001354447
## 10248	NM_001354447_intron_2_0_chr2_161710752_f	0	NM_001354447
## 10249	NM_001354444_intron_0_0_chr2_161624567_f	0	NM_001354444
## 10250	NM_001354444_intron_5_0_chr2_161863063_f	0	NM_001354444
## 10251	NR_110255_intron_0_0_chr2_162114533_f	0	NR_110255
## 10252	NR_110255_intron_1_0_chr2_162161902_f	0	NR_110255
## 10253	NR_110255_intron_2_0_chr2_162163092_f	0	NR_110255
## 10254	NM_001354442_intron_25_0_chr2_161976877_f	0	NM_001354442
## 10255	NM_001354455_intron_4_0_chr2_161855131_f	0	NM_001354455
## 10256	NM_001354455_intron_5_0_chr2_161860720_f	0	NM_001354455
## 10257	NM_001354453_intron_1_0_chr2_161771055_f	0	NM_001354453
## 10258	NM_001379606_intron_13_0_chr2_162018851_r	0	NM_001379606
## 10259	NM_001379605_intron_1_0_chr2_162047499_r	0	NM_001379605
## 10260	NM_001354460_intron_0_0_chr2_161624567_f	0	NM_001354460
## 10261	NR_166822_intron_10_0_chr2_162024940_r	0	NR_166822
## 10262	NR_166822_intron_9_0_chr2_162032266_r	0	NR_166822
## 10263	NR_166822_intron_6_0_chr2_162038423_r	0	NR_166822
## 10264	NR_166823_intron_4_0_chr2_162045613_r	0	NR_166823
## 10265	NR_166823_intron_3_0_chr2_162046806_r	0	NR_166823
## 10266	NR_166823_intron_0_0_chr2_162073487_r	0	NR_166823
## 10267	NR_166825_intron_4_0_chr2_162039022_r	0	NR_166825
## 10268	NR_166824_intron_7_0_chr2_162035323_r	0	NR_166824
## 10269	NR_110258_intron_0_0_chr2_162768989_f	0	NR_110258
## 10270	NR_110258_intron_1_0_chr2_162771992_f	0	NR_110258
## 10271	NR_110258_intron_2_0_chr2_162784737_f	0	NR_110258
## 10272	NR_110258_intron_3_0_chr2_162785161_f	0	NR_110258
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## 10276	NM_004490_intron_1_0_chr2_164547817_r	0	NM_004490
## 10277	NM_004490_intron_0_0_chr2_164619820_r	0	NM_004490
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## 10279	NM_001365671_intron_14_0_chr2_164658512_r	0	NM_001365671
## 10280	NM_001365671_intron_13_0_chr2_164665902_r	0	NM_001365671
## 10281	NM_001278458_intron_2_0_chr2_164743876_r	0	NM_001278458
## 10282	NM_001278458_intron_1_0_chr2_164800555_r	0	NM_001278458
## 10283	NM_001040143_intron_0_0_chr2_165239641_f	0	NM_001040143
## 10284	NM_001040143_intron_1_0_chr2_165245449_f	0	NM_001040143
## 10285	NM_001040143_intron_2_0_chr2_165296091_f	0	NM_001040143
## 10286	NM_001040143_intron_4_0_chr2_165307938_f	0	NM_001040143
## 10287	NM_001040143_intron_5_0_chr2_165308795_f	0	NM_001040143
## 10288	NM_001040143_intron_6_0_chr2_165309257_f	0	NM_001040143
## 10289	NM_001040143_intron_7_0_chr2_165310596_f	0	NM_001040143
## 10290	NM_001040142_intron_0_0_chr2_165239641_f	0	NM_001040142
## 10291	NM_001040142_intron_4_0_chr2_165308795_f	0	NM_001040142
## 10292	NM_001040142_intron_5_0_chr2_165309444_f	0	NM_001040142
## 10293	NM_001365675_intron_0_0_chr2_164841247_r	0	NM_001365675
## 10294	NM_001371247_intron_0_0_chr2_165241115_f	0	NM_001371247
## 10295	NM_001353958_intron_26_0_chr2_165992423_r	0	NM_001353958
## 10296	NM_001353958_intron_25_0_chr2_165994417_r	0	NM_001353958
## 10297	NM_001353958_intron_24_0_chr2_165996118_r	0	NM_001353958
## 10298	NM_001353958_intron_23_0_chr2_165998176_r	0	NM_001353958
## 10299	NM_001353958_intron_22_0_chr2_165999777_r	0	NM_001353958
## 10300	NM_001353958_intron_21_0_chr2_166002754_r	0	NM_001353958
## 10301	NM_001353958_intron_20_0_chr2_166009842_r	0	NM_001353958
## 10302	NM_001353958_intron_19_0_chr2_166012283_r	0	NM_001353958
## 10303	NM_001353958_intron_18_0_chr2_166013899_r	0	NM_001353958
## 10304	NM_001353958_intron_17_0_chr2_166015728_r	0	NM_001353958
## 10305	NM_001353958_intron_16_0_chr2_166036531_r	0	NM_001353958
## 10306	NM_001353958_intron_15_0_chr2_166038133_r	0	NM_001353958
## 10307	NM_001353958_intron_14_0_chr2_166039597_r	0	NM_001353958
## 10308	NM_001353958_intron_13_0_chr2_166041470_r	0	NM_001353958
## 10309	NM_001353958_intron_12_0_chr2_166042425_r	0	NM_001353958
## 10310	NM_001353958_intron_11_0_chr2_166044050_r	0	NM_001353958
## 10311	NM_001353958_intron_10_0_chr2_166045328_r	0	NM_001353958
## 10312	NM_001353958_intron_9_0_chr2_166046977_r	0	NM_001353958
## 10313	NM_001353958_intron_8_0_chr2_166047769_r	0	NM_001353958
## 10314	NM_001353958_intron_7_0_chr2_166048950_r	0	NM_001353958
## 10315	NM_001353958_intron_6_0_chr2_166051989_r	0	NM_001353958
## 10316	NM_001353958_intron_5_0_chr2_166052944_r	0	NM_001353958
## 10317	NM_001353958_intron_4_0_chr2_166054767_r	0	NM_001353958
## 10318	NM_001353958_intron_3_0_chr2_166056499_r	0	NM_001353958
## 10319	NM_001353958_intron_2_0_chr2_166058689_r	0	NM_001353958
## 10320	NM_001353958_intron_1_0_chr2_166073671_r	0	NM_001353958
## 10321	NM_001353958_intron_0_0_chr2_166077802_r	0	NM_001353958
## 10322	NM_001353960_intron_10_0_chr2_166045325_r	0	NM_001353960
## 10323	NM_001353960_intron_0_0_chr2_166077802_r	0	NM_001353960
## 10324	NM_006920_intron_13_0_chr2_166042425_r	0	NM_006920
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## 10327	NM_002976_intron_24_0_chr2_166406647_r	0	NM_002976

## 10328	NM_002976_intron_23_0_chr2_166409936_r	0	NM_002976
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## 10331	NM_002976_intron_20_0_chr2_166413122_r	0	NM_002976
## 10332	NM_002976_intron_19_0_chr2_166416986_r	0	NM_002976
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## 10334	NM_002976_intron_17_0_chr2_166423433_r	0	NM_002976
## 10335	NM_002976_intron_16_0_chr2_166427943_r	0	NM_002976
## 10336	NM_002976_intron_15_0_chr2_166429275_r	0	NM_002976
## 10337	NM_002976_intron_14_0_chr2_166432753_r	0	NM_002976
## 10338	NM_002976_intron_13_0_chr2_166441753_r	0	NM_002976
## 10339	NM_002976_intron_12_0_chr2_166443677_r	0	NM_002976
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## 10345	NM_002976_intron_6_0_chr2_166465988_r	0	NM_002976
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## 10348	NM_002976_intron_3_0_chr2_166473889_r	0	NM_002976
## 10349	NM_002976_intron_2_0_chr2_166474345_r	0	NM_002976
## 10350	NM_002976_intron_1_0_chr2_166477711_r	0	NM_002976
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## 10352	NM_001353957_intron_0_0_chr2_166073671_r	0	NM_001353957
## 10353	NM_001353949_intron_0_0_chr2_166073671_r	0	NM_001353949
## 10354	NR_038983_intron_0_0_chr2_165934077_f	0	NR_038983
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## 10356	NR_038983_intron_2_0_chr2_165947342_f	0	NR_038983
## 10357	NR_038983_intron_3_0_chr2_165947926_f	0	NR_038983
## 10358	NR_038984_intron_0_0_chr2_165934077_f	0	NR_038984
## 10359	NR_110260_intron_0_0_chr2_166081679_f	0	NR_110260
## 10360	NR_110260_intron_1_0_chr2_166092664_f	0	NR_110260
## 10361	NR_110260_intron_2_0_chr2_166171559_f	0	NR_110260
## 10362	NR_110260_intron_3_0_chr2_166199819_f	0	NR_110260
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## 10365	NR_110260_intron_6_0_chr2_166251913_f	0	NR_110260
## 10366	NR_110260_intron_7_0_chr2_166277248_f	0	NR_110260
## 10367	NR_110260_intron_8_0_chr2_166294728_f	0	NR_110260
## 10368	NR_110260_intron_9_0_chr2_166296130_f	0	NR_110260
## 10369	NR_110260_intron_10_0_chr2_166298842_f	0	NR_110260
## 10370	NM_001202435_intron_12_0_chr2_166042425_r	0	NM_001202435
## 10371	NM_001353961_intron_14_0_chr2_166039597_r	0	NM_001353961
## 10372	NR_045628_intron_14_0_chr2_166432753_r	0	NR_045628
## 10373	NR_045628_intron_13_0_chr2_166436441_r	0	NR_045628
## 10374	NR_148667_intron_22_0_chr2_166002754_r	0	NR_148667
## 10375	NR_148667_intron_21_0_chr2_166007294_r	0	NR_148667
## 10376	NR_148667_intron_1_0_chr2_166073671_r	0	NR_148667
## 10377	NM_152381_intron_0_0_chr2_166888558_f	0	NM_152381
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## 10379	NM_152381_intron_7_0_chr2_167241911_f	0	NM_152381
## 10380	NM_152381_intron_8_0_chr2_167251948_f	0	NM_152381
## 10381	NM_001199144_intron_0_0_chr2_167187532_f	0	NM_001199144

## 10382	NM_001199143_intron_2_0_chr2_167136063_f	0	NM_001199143
## 10383	NM_001199143_intron_3_0_chr2_167184641_f	0	NM_001199143
## 10384	NR_131227_intron_3_0_chr2_167815232_r	0	NR_131227
## 10385	NR_131227_intron_2_0_chr2_167862851_r	0	NR_131227
## 10386	NR_131227_intron_1_0_chr2_167869981_r	0	NR_131227
## 10387	NR_131227_intron_0_0_chr2_167900783_r	0	NR_131227
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## 10389	NM_001256126_intron_9_0_chr2_168766346_f	0	NM_001256126
## 10390	NR_144936_intron_2_0_chr2_169697532_f	0	NR_144936
## 10391	NM_001289763_intron_0_0_chr2_169067268_f	0	NM_001289763
## 10392	NM_001142271_intron_0_0_chr2_169081153_f	0	NM_001142271
## 10393	NM_001142270_intron_0_0_chr2_169072686_f	0	NM_001142270
## 10394	NM_001142270_intron_1_0_chr2_169074467_f	0	NM_001142270
## 10395	NM_003742_intron_26_0_chr2_168923823_r	0	NM_003742
## 10396	NM_003742_intron_25_0_chr2_168924804_r	0	NM_003742
## 10397	NM_003742_intron_24_0_chr2_168927363_r	0	NM_003742
## 10398	NM_003742_intron_23_0_chr2_168930863_r	0	NM_003742
## 10399	NM_003742_intron_22_0_chr2_168932534_r	0	NM_003742
## 10400	NM_003742_intron_21_0_chr2_168935426_r	0	NM_003742
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## 10402	NM_003742_intron_18_0_chr2_168944962_r	0	NM_003742
## 10403	NM_003742_intron_17_0_chr2_168958129_r	0	NM_003742
## 10404	NM_003742_intron_16_0_chr2_168964309_r	0	NM_003742
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## 10409	NM_003742_intron_11_0_chr2_168973841_r	0	NM_003742
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## 10844	NM_133379_intron_44_0_chr2_178752040_r	0	NM_133379
## 10845	NM_001316745_intron_3_0_chr2_178961484_r	0	NM_001316745
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## 10848	NM_173648_intron_16_0_chr2_178856398_r	0	NM_173648
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## 10864	NR_148054_intron_4_0_chr2_179446771_r	0	NR_148054
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## 10866	NM_001352816_intron_2_0_chr2_179518639_r	0	NM_001352816
## 10867	NM_001376033_intron_16_0_chr2_179945716_r	0	NM_001376033

## 10868	NM_001352808_intron_1_0_chr2_179770673_r	0	NM_001352808
## 10869	NM_001352808_intron_0_0_chr2_179821423_r	0	NM_001352808
## 10870	NM_001352815_intron_1_0_chr2_179544970_r	0	NM_001352815
## 10871	NM_001352815_intron_0_0_chr2_179720095_r	0	NM_001352815
## 10872	NR_104234_intron_11_0_chr2_179442178_r	0	NR_104234
## 10873	NR_104234_intron_6_0_chr2_179483435_r	0	NR_104234
## 10874	NR_104234_intron_5_0_chr2_179514247_r	0	NR_104234
## 10875	NR_104234_intron_4_0_chr2_179518639_r	0	NR_104234
## 10876	NR_104234_intron_3_0_chr2_179534789_r	0	NR_104234
## 10877	NR_104234_intron_2_0_chr2_179544970_r	0	NR_104234
## 10878	NR_104234_intron_1_0_chr2_179576268_r	0	NR_104234
## 10879	NR_104234_intron_0_0_chr2_179584068_r	0	NR_104234
## 10880	NM_001352813_intron_0_0_chr2_179544970_r	0	NM_001352813
## 10881	NM_001352810_intron_6_0_chr2_179446771_r	0	NM_001352810
## 10882	NM_001352810_intron_5_0_chr2_179465984_r	0	NM_001352810
## 10883	NM_001352809_intron_3_0_chr2_179544970_r	0	NM_001352809
## 10884	NM_001352809_intron_2_0_chr2_179745851_r	0	NM_001352809
## 10885	NM_001376032_intron_1_0_chr2_179986771_r	0	NM_001376032
## 10886	NM_001376030_intron_0_0_chr2_179993455_r	0	NM_001376030
## 10887	NR_104320_intron_0_0_chr2_180692442_f	0	NR_104320
## 10888	NR_104320_intron_1_0_chr2_180724691_f	0	NR_104320
## 10889	NR_104320_intron_2_0_chr2_180827508_f	0	NR_104320
## 10890	NM_182678_intron_0_0_chr2_180980547_f	0	NM_182678
## 10891	NR_130784_intron_1_0_chr2_181226536_f	0	NR_130784
## 10892	NR_130784_intron_2_0_chr2_181262978_f	0	NR_130784
## 10893	NR_130784_intron_3_0_chr2_181362919_f	0	NR_130784
## 10894	NR_104322_intron_1_0_chr2_180724691_f	0	NR_104322
## 10895	NR_104322_intron_2_0_chr2_180725292_f	0	NR_104322
## 10896	NR_104322_intron_3_0_chr2_180824071_f	0	NR_104322
## 10897	NR_104322_intron_4_0_chr2_180827508_f	0	NR_104322
## 10898	NR_104322_intron_5_0_chr2_180899719_f	0	NR_104322
## 10899	NR_104321_intron_1_0_chr2_180724691_f	0	NR_104321
## 10900	NR_104325_intron_2_0_chr2_180725292_f	0	NR_104325
## 10901	NR_104323_intron_1_0_chr2_180724691_f	0	NR_104323
## 10902	NM_001363871_intron_0_0_chr2_182264415_r	0	NM_001363871
## 10903	NR_048567_intron_1_0_chr2_181975265_f	0	NR_048567
## 10904	NR_048566_intron_0_0_chr2_181986192_f	0	NR_048566
## 10905	NR_048566_intron_1_0_chr2_181987900_f	0	NR_048566
## 10906	NR_048566_intron_4_0_chr2_182117469_f	0	NR_048566
## 10907	NM_001258314_intron_0_0_chr2_182240293_r	0	NM_001258314
## 10908	NM_001261424_intron_0_0_chr2_181986192_f	0	NM_001261424
## 10909	NM_001261424_intron_4_0_chr2_182117302_f	0	NM_001261424
## 10910	NM_205842_intron_1_0_chr2_183023917_r	0	NM_205842
## 10911	NM_205842_intron_0_0_chr2_183024996_r	0	NM_205842
## 10912	NR_110215_intron_2_0_chr2_185720721_r	0	NR_110215
## 10913	NR_110215_intron_1_0_chr2_185729438_r	0	NR_110215
## 10914	NR_110215_intron_0_0_chr2_185736133_r	0	NR_110215
## 10915	NR_110216_intron_0_0_chr2_185736138_r	0	NR_110216
## 10916	NR_110214_intron_0_0_chr2_185736138_r	0	NR_110214
## 10917	NR_110217_intron_0_0_chr2_185729438_r	0	NR_110217
## 10918	NM_001375935_intron_0_0_chr2_188292220_f	0	NM_001375935
## 10919	NM_001375935_intron_7_0_chr2_188570121_f	0	NM_001375935
## 10920	NM_001375935_intron_8_0_chr2_188582566_f	0	NM_001375935
## 10921	NM_001375935_intron_10_0_chr2_188587950_f	0	NM_001375935

## 10922	NM_001375935_intron_11_0_chr2_188589751_f	0	NM_001375935
## 10923	NM_001375936_intron_0_0_chr2_188292612_f	0	NM_001375936
## 10924	NM_001375950_intron_5_0_chr2_188529196_f	0	NM_001375950
## 10925	NM_001375950_intron_9_0_chr2_188587950_f	0	NM_001375950
## 10926	NM_001375947_intron_0_0_chr2_188293113_f	0	NM_001375947
## 10927	NR_164744_intron_7_0_chr2_188569356_f	0	NR_164744
## 10928	NR_164744_intron_8_0_chr2_188569644_f	0	NR_164744
## 10929	NR_164744_intron_10_0_chr2_188582414_f	0	NR_164744
## 10930	NR_164745_intron_0_0_chr2_188293113_f	0	NR_164745
## 10931	NR_164745_intron_5_0_chr2_188529196_f	0	NR_164745
## 10932	NM_001375937_intron_0_0_chr2_188292167_f	0	NM_001375937
## 10933	NM_001375934_intron_1_0_chr2_188383890_f	0	NM_001375934
## 10934	NM_001375934_intron_2_0_chr2_188466569_f	0	NM_001375934
## 10935	NR_126396_intron_1_0_chr2_188035712_r	0	NR_126396
## 10936	NR_126396_intron_0_0_chr2_188165909_r	0	NR_126396
## 10937	NM_001375951_intron_3_0_chr2_188483493_f	0	NM_001375951
## 10938	NM_001375951_intron_4_0_chr2_188499670_f	0	NM_001375951
## 10939	NM_001375945_intron_0_0_chr2_188292220_f	0	NM_001375945
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## 10943	NM_001375928_intron_0_0_chr2_188292167_f	0	NM_001375928
## 10944	NM_001375926_intron_0_0_chr2_188293181_f	0	NM_001375926
## 10945	NM_001375926_intron_1_0_chr2_188294394_f	0	NM_001375926
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## 10947	NM_000393_intron_18_0_chr2_189068271_r	0	NM_000393
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## 10949	NM_000393_intron_2_0_chr2_189100140_r	0	NM_000393
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## 10952	NM_001042521_intron_0_0_chr2_190137850_f	0	NM_001042521
## 10953	NM_001042521_intron_1_0_chr2_190164061_f	0	NM_001042521
## 10954	NM_001042520_intron_0_0_chr2_190150449_f	0	NM_001042520
## 10955	NM_001375992_intron_6_0_chr2_190497720_f	0	NM_001375992
## 10956	NM_001375992_intron_7_0_chr2_190499857_f	0	NM_001375992
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## 10958	NM_001375989_intron_0_0_chr2_190407751_f	0	NM_001375989
## 10959	NM_001375986_intron_0_0_chr2_190409060_f	0	NM_001375986
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## 10961	NM_001243835_intron_0_0_chr2_191148205_r	0	NM_001243835
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## 10963	NM_001384891_intron_2_0_chr2_191009144_r	0	NM_001384891
## 10964	NM_001330238_intron_22_0_chr2_191400836_f	0	NM_001330238
## 10965	NM_001161819_intron_0_0_chr2_191245612_f	0	NM_001161819
## 10966	NM_001384889_intron_22_0_chr2_190974921_r	0	NM_001384889
## 10967	NM_001384886_intron_21_0_chr2_190975912_r	0	NM_001384886
## 10968	NM_001384887_intron_9_0_chr2_190989675_r	0	NM_001384887
## 10969	NM_001384882_intron_12_0_chr2_190986942_r	0	NM_001384882
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## 10980	NM_016192_intron_1_0_chr2_192184484_r	0	NM_016192
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## 10985	NR_110222_intron_2_0_chr2_194374263_f	0	NR_110222
## 10986	NR_110222_intron_3_0_chr2_194377338_f	0	NR_110222
## 10987	NR_110222_intron_4_0_chr2_194416419_f	0	NR_110222
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## 11006	NM_018897_intron_45_0_chr2_195845166_r	0	NM_018897
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## 11022	NM_018897_intron_29_0_chr2_195891805_r	0	NM_018897
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## 11026	NM_018897_intron_25_0_chr2_195906787_r	0	NM_018897
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## 11063	NM_001321099_intron_0_0_chr2_196922187_r	0	NM_001321099
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## 11076	NR_046837_intron_3_0_chr2_197296400_r	0	NR_046837
## 11077	NR_046837_intron_2_0_chr2_197296573_r	0	NR_046837
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## 11079	NR_046837_intron_0_0_chr2_197301414_r	0	NR_046837
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## 11081	NM_001204094_intron_0_0_chr2_197516356_f	0	NM_001204094
## 11082	NR_110267_intron_1_0_chr2_198301817_r	0	NR_110267
## 11083	NR_110267_intron_0_0_chr2_198374618_r	0	NR_110267

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## 11086	NR_110270_intron_0_0_chr2_199608128_f	0	NR_110270
## 11087	NR_110270_intron_1_0_chr2_199624597_f	0	NR_110270
## 11088	NR_110270_intron_2_0_chr2_199629147_f	0	NR_110270
## 11089	NR_110270_intron_3_0_chr2_199630100_f	0	NR_110270
## 11090	NR_110270_intron_4_0_chr2_199631896_f	0	NR_110270
## 11091	NR_110270_intron_5_0_chr2_199647857_f	0	NR_110270
## 11092	NM_015265_intron_0_0_chr2_199460533_r	0	NM_015265
## 11093	NM_015535_intron_0_0_chr2_200306161_f	0	NM_015535
## 11094	NM_001282735_intron_0_0_chr2_200306293_f	0	NM_001282735
## 11095	NM_032974_intron_8_0_chr2_201209563_f	0	NM_032974
## 11096	NM_001321624_intron_0_0_chr2_201024040_r	0	NM_001321624
## 11097	NR_110275_intron_2_0_chr2_200780790_r	0	NR_110275
## 11098	NR_110275_intron_1_0_chr2_200791526_r	0	NR_110275
## 11099	NR_110275_intron_0_0_chr2_200797576_r	0	NR_110275
## 11100	NM_001321626_intron_1_0_chr2_201024040_r	0	NM_001321626
## 11101	NM_001321626_intron_0_0_chr2_201061425_r	0	NM_001321626
## 11102	NM_001282744_intron_0_0_chr2_200309091_f	0	NM_001282744
## 11103	NM_001282743_intron_1_0_chr2_200329481_f	0	NM_001282743
## 11104	NM_001160033_intron_6_0_chr2_200573978_f	0	NM_001160033
## 11105	NM_001321622_intron_1_0_chr2_201045594_r	0	NM_001321622
## 11106	NM_001321621_intron_0_0_chr2_201024040_r	0	NM_001321621
## 11107	NM_152525_intron_13_0_chr2_201487903_r	0	NM_152525
## 11108	NM_152525_intron_12_0_chr2_201495970_r	0	NM_152525
## 11109	NM_152525_intron_11_0_chr2_201536321_r	0	NM_152525
## 11110	NM_152525_intron_10_0_chr2_201537480_r	0	NM_152525
## 11111	NM_152525_intron_9_0_chr2_201545622_r	0	NM_152525
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## 1	chr1:201283904-201293942_str+		
## 2	chr1:201294045-201313166_str+		
## 3	chr1:201313560-201316553_str+		
## 4	chr1:201316697-201317572_str+		
## 5	chr1:201317779-201318618_str+		
## 6	chr1:201318795-201319816_str+		
## 7	chr1:201319878-201320267_str+		
## 8	chr1:201320381-201321978_str+		
## 9	chr1:201322133-201323013_str+		
## 10	chr1:201323189-201324428_str+		
## 11	chr1:201324581-201324941_str+		
## 12	chr1:201325127-201325754_str+		
## 13	chr1:201325838-201328762_str+		
## 14	chr1:201328868-201330074_str+		
## 15	chr1:67093604-67095235_str-		
## 16	chr1:67095421-67096252_str-		
## 17	chr1:67096321-67115352_str-		
## 18	chr1:67131227-67134930_str-		
## 19	chr1:201318795-201320267_str+		
## 20	chr1:67093604-67096252_str-		
## 21	chr1:67096321-67103238_str-		
## 22	chr1:67103382-67111577_str-		
## 23	chr1:67111644-67115352_str-		
## 24	chr1:67111644-67113614_str-		
## 25	chr1:67113756-67115352_str-		

26 chr1:8656441-8792404_str-
27 chr1:8792588-8817160_str-
28 chr1:33516570-33519465_str-
29 chr1:33519677-33519812_str-
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35 chr1:33533229-33533796_str-
36 chr1:33533907-33537022_str-
37 chr1:33537095-33537436_str-
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40 chr1:33541309-33542720_str-
41 chr1:33542896-33546037_str-
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43 chr1:33550350-33557734_str-
44 chr1:33557922-33559300_str-
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48 chr1:33571726-33572506_str-
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59 chr1:33614620-33616906_str-
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62 chr1:33622271-33623370_str-
63 chr1:33623466-33624519_str-
64 chr1:33624643-33625051_str-
65 chr1:33625254-33626486_str-
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68 chr1:33635330-33636360_str-
69 chr1:33636554-33646648_str-
70 chr1:33646835-33652323_str-
71 chr1:33652461-33657946_str-
72 chr1:33658137-33662890_str-
73 chr1:33663092-33692930_str-
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75 chr1:33698944-33700517_str-
76 chr1:33700673-33709089_str-
77 chr1:33709258-33714587_str-
78 chr1:33714775-33716286_str-
79 chr1:33716501-33724197_str-

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## 80      chr1:33724313-33724516_str-
## 81      chr1:33724704-33725349_str-
## 82      chr1:33725536-33726547_str-
## 83      chr1:33726685-33739140_str-
## 84      chr1:33739334-33743280_str-
## 85      chr1:33743606-33772569_str-
## 86      chr1:33772751-33788600_str-
## 87      chr1:33788712-33792423_str-
## 88      chr1:33792526-33810743_str-
## 89      chr1:33810864-33819713_str-
## 90      chr1:33819837-33820469_str-
## 91      chr1:33820556-33825697_str-
## 92      chr1:33825774-33846884_str-
## 93      chr1:33846996-33918094_str-
## 94      chr1:33918301-33935760_str-
## 95      chr1:33935954-34032594_str-
## 96      chr1:34032706-34088977_str-
## 97      chr1:34089193-34164911_str-
## 98      chr1:33550350-33567593_str-
## 99      chr1:33567766-33569374_str-
## 100     chr1:33605470-33605863_str-
## 101     chr1:33605988-33611041_str-
## 102     chr1:34089193-34165747_str-
## 103     chr1:75339630-75396583_str-
## 104     chr1:75396621-75541435_str-
## 105     chr1:75541516-75611040_str-
## 106     chr1:83952387-83956891_str-
## 107     chr1:83956915-83998931_str-
## 108     chr1:75300685-75311615_str-
## 109     chr1:75311705-75339582_str-
## 110     chr1:83951976-83998931_str-
## 111     chr1:75396621-75398355_str-
## 112     chr1:75398421-75541435_str-
## 113     chr1:92263732-92266419_str-
## 114     chr1:75206719-75211468_str-
## 115     chr1:75339630-75615853_str-
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## 117     chr1:192937420-192948103_str-
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## 119     chr1:209663061-209724030_str-
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## 121     chr1:209686285-209704917_str+
## 122     chr1:209686285-209704895_str+
## 123     chr1:243305123-243307787_str+
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## 126     chr1:7467901-7640400_str+
## 127     chr1:7640553-7661726_str+
## 128     chr1:7661866-7663353_str+
## 129     chr1:7665199-7670911_str+
## 130     chr1:7671037-7677599_str+
## 131     chr1:7677733-7732448_str+
## 132     chr1:7752533-7755638_str+
## 133     chr1:7755668-7766459_str+

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## 135      chr1:2098555-2135262_str+
## 136      chr1:2156092-2169494_str+
## 137      chr1:1034703-1035277_str+
## 138      chr1:1050837-1051242_str+
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## 140      chr1:2146305-2148872_str+
## 141      chr1:7747781-7749771_str+
## 142      chr1:7749791-7751199_str+
## 143      chr1:7751392-7752465_str+
## 144      chr1:6349866-6360570_str-
## 145      chr1:6349866-6385494_str-
## 146      chr1:2074275-2135262_str+
## 147      chr1:1051815-1051993_str+
## 148      chr1:1052016-1053461_str+
## 149      chr1:1053493-1053753_str+
## 150      chr1:2175313-2181832_str+
## 151      chr1:2181914-2184583_str+
## 152      chr1:14599223-14960684_str+
## 153      chr1:14599063-14960719_str+
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## 159      chr1:11514526-11515369_str+
## 160      chr1:11515503-11516001_str+
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## 166      chr1:11524055-11525176_str+
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## 168      chr1:11526835-11529556_str+
## 169      chr1:11529686-11529787_str+
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## 171      chr1:11531033-11531565_str+
## 172      chr1:11531710-11534381_str+
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## 174      chr1:11535124-11535478_str+
## 175      chr1:11535644-11536324_str+
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## 177      chr1:15094385-15094815_str+
## 178      chr1:15094933-15101543_str+
## 179      chr1:15101774-15103359_str+
## 180      chr1:15103460-15104023_str+
## 181      chr1:15104189-15112427_str+
## 182      chr1:15112541-15114471_str+
## 183      chr1:23059167-23066060_str+
## 184      chr1:23066071-23068539_str+
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## 186      chr1:21111383-21167961_str-
## 187      chr1:21050994-21111323_str-

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## 191 chr1:19922404-19922617_str-
## 192 chr1:19922755-19923520_str-
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## 208 chr1:37723372-37727102_str-
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## 211 chr1:37735390-37752876_str-
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## 235 chr1:48230705-48231545_str+
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## 238 chr1:48232502-48233655_str+
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## 242 chr1:48239537-48242457_str+
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## 290 chr1:65918835-66247460_str+
## 291 chr1:65792630-65913245_str+
## 292 chr1:63774508-64009305_str+
## 293 chr1:64009376-64049691_str+
## 294 chr1:64049978-64050686_str+
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## 299 chr1:64159192-64177428_str+
## 300 chr1:65913356-66247460_str+
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## 303 chr1:64886341-65066628_str-
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## 306 chr1:68071873-68098643_str+
## 307 chr1:68098836-68099729_str+
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## 311 chr1:68121241-68138297_str+
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## 317 chr1:74439622-74463441_str+
## 318 chr1:74463550-74489189_str+
## 319 chr1:74489248-74492097_str+
## 320 chr1:74492266-74540234_str+
## 321 chr1:74540313-74543906_str+
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## 333 chr1:81952142-81952987_str+
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## 338 chr1:76074884-76309506_str+
## 339 chr1:76309612-76313805_str+
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## 382 chr1:144641793-144917170_str+
## 383 chr1:144917306-144917865_str+
## 384 chr1:146486774-146505331_str+
## 385 chr1:146505412-146506762_str+
## 386 chr1:146506889-146516253_str+
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## 388 chr1:146524849-146525419_str+
## 389 chr1:146525448-146526749_str+
## 390 chr1:146526780-146527690_str+
## 391 chr1:146527758-146533285_str+
## 392 chr1:146533384-146537098_str+
## 393 chr1:146537420-146547369_str+
## 394 chr1:146547568-146557344_str+
## 395 chr1:146557468-146573833_str+
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## 398 chr1:146595171-146617029_str+
## 399 chr1:146617147-146622443_str+
## 400 chr1:146622666-146631009_str+
## 401 chr1:146631076-146641461_str+
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## 408 chr1:146683339-146690959_str+
## 409 chr1:146691102-146692830_str+
## 410 chr1:146693143-146725131_str+
## 411 chr1:146725271-146728838_str+
## 412 chr1:146728957-146729217_str+
## 413 chr1:146729426-146732033_str+
## 414 chr1:146732170-146735795_str+
## 415 chr1:146735972-146738335_str+
## 416 chr1:146738462-146742105_str+
## 417 chr1:146742238-146742704_str+
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## 420 chr1:146743545-146743882_str+
## 421 chr1:146744031-146746610_str+
## 422 chr1:146746849-146752534_str+
## 423 chr1:146752702-146755290_str+
## 424 chr1:146755469-146757608_str+
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## 426 chr1:146762055-146773531_str+
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## 428 chr1:146776736-146779242_str+
## 429 chr1:146779404-146781631_str+
## 430 chr1:146781782-146794083_str+
## 431 chr1:146794694-146806431_str+
## 432 chr1:146806639-146806858_str+
## 433 chr1:146807040-146807801_str+
## 434 chr1:146807920-146811203_str+
## 435 chr1:146811362-146811470_str+
## 436 chr1:146811642-146814358_str+
## 437 chr1:146814556-146819490_str+
## 438 chr1:146819589-146821022_str+
## 439 chr1:148808737-148863250_str+
## 440 chr1:149024684-149027401_str+
## 441 chr1:149030278-149032000_str+
## 442 chr1:148889529-148889784_str+
## 443 chr1:149021153-149027401_str+
## 444 chr1:149030278-149031173_str+
## 445 chr1:149031224-149031944_str+
## 446 chr1:148991973-148992255_str+
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## 453 chr1:154012370-154018933_str-
## 454 chr1:154019069-154022126_str-
## 455 chr1:154022343-154023122_str-
## 456 chr1:154023297-154025542_str-
## 457 chr1:154025716-154027506_str-

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## 462 chr1:154054407-154054770_str-
## 463 chr1:154054832-154056815_str-
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## 467 chr1:154060641-154060942_str-
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## 469 chr1:154061674-154070273_str-
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## 476 chr1:154118808-154126323_str-
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715 chr1:240813728-240814716_str-
716 chr1:240814777-240816317_str-
717 chr1:240816415-240827098_str-
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725 chr1:240868668-240868766_str-
726 chr1:240870119-240930717_str-
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## 732 chr1:240180180-240188207_str+
## 733 chr1:240188262-240206799_str+
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## 736 chr1:240258032-240294822_str+
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## 739 chr1:240329468-240330603_str+
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## 741 chr1:240333946-240334109_str+
## 742 chr1:240334229-240355816_str+
## 743 chr1:240355908-240392511_str+
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## 853      chr1:2502409-2503945_str+
## 854      chr1:2641895-2644264_str-
## 855      chr1:2644478-2645293_str-
## 856      chr1:2645563-2783609_str-
## 857      chr1:2783775-2785819_str-
## 858      chr1:2786023-2787481_str-
## 859      chr1:2787706-2789503_str-
## 860      chr1:2790346-2800044_str-
## 861      chr1:3652641-3682333_str+
## 862      chr1:3729448-3731463_str+
## 863      chr1:3729448-3730927_str+
## 864      chr1:3729448-3732747_str+
## 865      chr1:4774558-4777401_str+
## 866      chr1:6154898-6155599_str-
## 867      chr1:6155717-6159336_str-
## 868      chr1:6159515-6168150_str-
## 869      chr1:6168277-6179945_str-
## 870      chr1:5905783-5927649_str-
## 871      chr1:5969259-5992244_str-
## 872      chr1:5875100-5875954_str-
## 873      chr1:5876078-5876386_str-
## 874      chr1:5876523-5877093_str-
## 875      chr1:5877298-5879346_str-
## 876      chr1:5879632-5880114_str-
## 877      chr1:6807088-6825092_str+
## 878      chr1:7669855-7670911_str+
## 879      chr1:7680215-7732448_str+
## 880      chr1:9151835-9182007_str-
## 881      chr1:9069594-9072049_str-
## 882      chr1:9041937-9069504_str-
## 883      chr1:10272306-10273014_str+
## 884      chr1:10273031-10275428_str+
## 885      chr1:10278128-10279097_str+
## 886      chr1:10279138-10282322_str+
## 887      chr1:10211738-10232250_str+
## 888      chr1:9981170-9981256_str+
## 889      chr1:9943025-9972018_str+

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## 890 chr1:10693912-10705492_str-
## 891 chr1:10705544-10760701_str-
## 892 chr1:10760857-10796564_str-
## 893 chr1:12338305-12341780_str+
## 894 chr1:13369640-13370649_str-
## 895 chr1:13371227-13371614_str-
## 896 chr1:13476099-13512963_str-
## 897 chr1:14349378-14350869_str-
## 898 chr1:14351025-14390686_str-
## 899 chr1:14390751-14391459_str-
## 900 chr1:14391578-14419494_str-
## 901 chr1:13705645-13715541_str+
## 902 chr1:15272529-15289399_str+
## 903 chr1:15289666-15296684_str+
## 904 chr1:15296793-15301205_str+
## 905 chr1:15301441-15308613_str+
## 906 chr1:15308736-15313057_str+
## 907 chr1:15313187-15316378_str+
## 908 chr1:15316467-15317824_str+
## 909 chr1:15317928-15324452_str+
## 910 chr1:15324559-15327059_str+
## 911 chr1:15327142-15328277_str+
## 912 chr1:15328429-15329346_str+
## 913 chr1:15329541-15341736_str+
## 914 chr1:15341893-15345083_str+
## 915 chr1:15345523-15349042_str+
## 916 chr1:15349149-15352877_str+
## 917 chr1:15352984-15358110_str+
## 918 chr1:15358283-15360478_str+
## 919 chr1:15360703-15362642_str+
## 920 chr1:15362726-15365827_str+
## 921 chr1:15365933-15367463_str+
## 922 chr1:15367622-15369370_str+
## 923 chr1:15369502-15374502_str+
## 924 chr1:15374631-15375603_str+
## 925 chr1:15375730-15380701_str+
## 926 chr1:15380796-15381231_str+
## 927 chr1:15381451-15382028_str+
## 928 chr1:15382193-15397297_str+
## 929 chr1:14930044-14960684_str+
## 930 chr1:15152784-15214895_str+
## 931 chr1:14929755-14929874_str+
## 932 chr1:14924750-14960684_str+
## 933 chr1:15456793-15457086_str+
## 934 chr1:15457174-15461561_str+
## 935 chr1:15461658-15462733_str+
## 936 chr1:15466144-15467386_str+
## 937 chr1:15467538-15471990_str+
## 938 chr1:15329683-15343776_str-
## 939 chr1:15329680-15343776_str-
## 940 chr1:15215243-15219326_str+
## 941 chr1:16647314-16647463_str+
## 942 chr1:16649041-16649174_str+
## 943 chr1:16649251-16649379_str+

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## 944 chr1:17632466-17634548_str+
## 945 chr1:17623175-17627330_str+
## 946 chr1:17607977-17613058_str+
## 947 chr1:17613174-17616094_str+
## 948 chr1:17603591-17607799_str+
## 949 chr1:18108198-18227898_str+
## 950 chr1:18228010-18291866_str+
## 951 chr1:18291987-18334892_str+
## 952 chr1:18362230-18365223_str+
## 953 chr1:18631688-18634303_str+
## 954 chr1:18634538-18635111_str+
## 955 chr1:18635240-18636237_str+
## 956 chr1:18636371-18691754_str+
## 957 chr1:18691953-18700653_str+
## 958 chr1:18700818-18703094_str+
## 959 chr1:18703296-18735632_str+
## 960 chr1:18735878-18744814_str+
## 961 chr1:19268701-19269272_str-
## 962 chr1:19270935-19273861_str-
## 963 chr1:19419750-19448834_str-
## 964 chr1:19787117-19793432_str-
## 965 chr1:19793648-19799174_str-
## 966 chr1:19268701-19270451_str-
## 967 chr1:19339617-19342752_str-
## 968 chr1:20291088-20310576_str+
## 969 chr1:20310740-20312836_str+
## 970 chr1:20312988-20314378_str+
## 971 chr1:20314592-20317530_str+
## 972 chr1:20317675-20318590_str+
## 973 chr1:20318721-20319382_str+
## 974 chr1:20319506-20323356_str+
## 975 chr1:20323532-20327890_str+
## 976 chr1:20328000-20330180_str+
## 977 chr1:20330382-20330869_str+
## 978 chr1:20330983-20332766_str+
## 979 chr1:20332951-20336303_str+
## 980 chr1:20336486-20337646_str+
## 981 chr1:20337836-20342432_str+
## 982 chr1:20342609-20343079_str+
## 983 chr1:20343393-20345456_str+
## 984 chr1:20345593-20348245_str+
## 985 chr1:20348358-20350156_str+
## 986 chr1:20350230-20350857_str+
## 987 chr1:20350926-20352055_str+
## 988 chr1:20352172-20353757_str+
## 989 chr1:20164157-20172794_str-
## 990 chr1:20172891-20175007_str-
## 991 chr1:20175145-20177324_str-
## 992 chr1:20177439-20186360_str-
## 993 chr1:20686126-20687388_str-
## 994 chr1:20687944-20690188_str-
## 995 chr1:20690335-20698379_str-
## 996 chr1:20698488-20704447_str-
## 997 chr1:20704899-20709639_str-

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## 998      chr1:20709828-20713454_str-
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## 1002     chr1:20172897-20175007_str-
## 1003     chr1:20312988-20314322_str+
## 1004     chr1:21602913-21603658_str-
## 1005     chr1:21603912-21606066_str-
## 1006     chr1:21665317-21669254_str-
## 1007     chr1:21602913-21603835_str-
## 1008     chr1:21649796-21669254_str-
## 1009     chr1:21649796-21651779_str-
## 1010     chr1:21665317-21667598_str-
## 1011     chr1:21667823-21668511_str-
## 1012     chr1:21598040-21598400_str-
## 1013     chr1:22895580-22896411_str+
## 1014     chr1:22913564-22913658_str+
## 1015     chr1:22893046-22905987_str+
## 1016     chr1:23429930-23431035_str-
## 1017     chr1:23437044-23437130_str-
## 1018     chr1:23442635-23452697_str-
## 1019     chr1:23456194-23484005_str-
## 1020     chr1:23318697-23321528_str-
## 1021     chr1:23195001-23217291_str-
## 1022     chr1:24391679-24391924_str-
## 1023     chr1:24392067-24401319_str-
## 1024     chr1:24502463-24531218_str+
## 1025     chr1:24503150-24531218_str+
## 1026     chr1:24964668-24964836_str-
## 1027     chr1:24507728-24514314_str+
## 1028     chr1:24401456-24414911_str-
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## 1034     chr1:25307816-25328898_str+
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## 1036     chr1:25303459-25317000_str+
## 1037     chr1:25290791-25300950_str+
## 1038     chr1:25782700-25783844_str+
## 1039     chr1:25686536-25740070_str+
## 1040     chr1:25740171-25746668_str+
## 1041     chr1:25758781-25763874_str+
## 1042     chr1:25686536-25771657_str+
## 1043     chr1:26331618-26336095_str-
## 1044     chr1:26336370-26336606_str-
## 1045     chr1:26336732-26336841_str-
## 1046     chr1:26336980-26337253_str-
## 1047     chr1:26337379-26337538_str-
## 1048     chr1:26337674-26338012_str-
## 1049     chr1:26338047-26338351_str-
## 1050     chr1:26338477-26339290_str-
## 1051     chr1:26339429-26342754_str-

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## 1052 chr1:26342883-26343047_str-
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## 1063 chr1:29058645-29058811_str+
## 1064 chr1:29058852-29060422_str+
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## 1067 chr1:28859303-28862742_str+
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## 1069 chr1:29193574-29193852_str-
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## 1072 chr1:29220921-29221075_str-
## 1073 chr1:29221200-29223140_str-
## 1074 chr1:29216685-29220834_str-
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## 1076 chr1:29068768-29069166_str+
## 1077 chr1:29068783-29070364_str+
## 1078 chr1:29068768-29097807_str+
## 1079 chr1:30014509-30015244_str-
## 1080 chr1:30015295-30016720_str-
## 1081 chr1:30016921-30025025_str-
## 1082 chr1:30025183-30029290_str-
## 1083 chr1:30029490-30036772_str-
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## 1102 chr1:32895644-32895910_str-
## 1103 chr1:32634072-32650402_str-
## 1104 chr1:32627865-32633645_str-
## 1105 chr1:33165566-33176408_str-

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1181 chr1:42473303-42480461_str+
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1198 chr1:43388489-43389759_str-
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1204 chr1:43185356-43186707_str+
1205 chr1:43186859-43197553_str+
1206 chr1:43197692-43198481_str+
1207 chr1:43198646-43199390_str+
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1209 chr1:43206932-43209743_str+
1210 chr1:43209916-43215255_str+
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1213 chr1:43221465-43222105_str+

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## 1214 chr1:43222295-43222824_str+
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## 1221 chr1:43234638-43243227_str+
## 1222 chr1:43243359-43253977_str+
## 1223 chr1:43894477-43920404_str+
## 1224 chr1:43899263-43930132_str+
## 1225 chr1:43736380-43894383_str+
## 1226 chr1:43814933-43894383_str+
## 1227 chr1:43899727-43920494_str+
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## 1229 chr1:43838311-43930132_str+
## 1230 chr1:43736425-43814891_str+
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## 1277 chr1:51112569-51118666_str+
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## 1279 chr1:51145760-51147467_str+
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## 1281 chr1:51750195-51752503_str+
## 1282 chr1:51752725-51760690_str+
## 1283 chr1:51714079-51740143_str+
## 1284 chr1:51740211-51745536_str+
## 1285 chr1:51617221-51669434_str+
## 1286 chr1:52034051-52041537_str-
## 1287 chr1:52033928-52041537_str-
## 1288 chr1:51756358-51756781_str+
## 1289 chr1:51756815-51760690_str+
## 1290 chr1:53218495-53220570_str-
## 1291 chr1:53062308-53063370_str+
## 1292 chr1:53063559-53066812_str+
## 1293 chr1:53066867-53069801_str+
## 1294 chr1:53070167-53071535_str+
## 1295 chr1:53075971-53077190_str+
## 1296 chr1:53077346-53077685_str+
## 1297 chr1:53077800-53078365_str+
## 1298 chr1:53079022-53080728_str+
## 1299 chr1:53080876-53081981_str+
## 1300 chr1:53062308-53066812_str+
## 1301 chr1:52988136-52993258_str+
## 1302 chr1:52927465-52948009_str+
## 1303 chr1:52941853-52950755_str+
## 1304 chr1:53062308-53069801_str+
## 1305 chr1:54133294-54136630_str-
## 1306 chr1:54136808-54139753_str-
## 1307 chr1:54140106-54141098_str-
## 1308 chr1:54141433-54144466_str-
## 1309 chr1:54144813-54152844_str-
## 1310 chr1:54153006-54153096_str-
## 1311 chr1:53506776-53509120_str-
## 1312 chr1:53509287-53509849_str-
## 1313 chr1:53510027-53514625_str-
## 1314 chr1:53514781-53520634_str-
## 1315 chr1:53520766-53524777_str-
## 1316 chr1:53524887-53529791_str-
## 1317 chr1:53529952-53594108_str-
## 1318 chr1:53594990-53600101_str-
## 1319 chr1:53600278-53737806_str-
## 1320 chr1:53738106-53739105_str-
## 1321 chr1:54251860-54258069_str-

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1333 chr1:55154280-55154371_str-
1334 chr1:54785644-54785983_str-
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1338 chr1:55056189-55057331_str+
1339 chr1:55057514-55058036_str+
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1426 chr1:60954370-60954485_str-
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1428 chr1:60963804-60970548_str-
1429 chr1:62238381-62247472_str-

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## 1434 chr1:62487412-62488934_str-
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## 1440 chr1:63161565-63162547_str-
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## 1442 chr1:63164355-63170152_str-
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## 1447 chr1:63304746-63315949_str-
## 1448 chr1:63316087-63317058_str-
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## 1452 chr1:64210839-64214815_str+
## 1453 chr1:64214932-64215437_str+
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## 1457 chr1:64241733-64244130_str+
## 1458 chr1:64957017-64966881_str-
## 1459 chr1:64214932-64220859_str+
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## 1462 chr1:64260694-64267024_str+
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## 1472 chr1:66533672-66534246_str+
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## 1474 chr1:66660524-66667530_str+
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## 1476 chr1:66679752-66681869_str+
## 1477 chr1:66682369-66689148_str+
## 1478 chr1:66690316-66719294_str+
## 1479 chr1:66690316-66695434_str+
## 1480 chr1:66533937-66534246_str+
## 1481 chr1:66690316-66694439_str+
## 1482 chr1:66694504-66719294_str+
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## 1484 chr1:66633094-66634080_str+
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## 1507 chr1:69568820-69678381_str+
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## 1522 chr1:70028371-70036121_str+
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## 1559 chr1:74615296-74621396_str+
## 1560 chr1:74570439-74571099_str-
## 1561 chr1:74573491-74576895_str-
## 1562 chr1:74576936-74589631_str-
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## 1568 chr1:74631928-74636280_str-
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## 1576 chr1:75797229-75803731_str+
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## 1599 chr1:78342640-78368537_str+
## 1600 chr1:78368727-78369283_str+
## 1601 chr1:77780192-77783238_str+
## 1602 chr1:77779967-77783243_str+
## 1603 chr1:77980322-78005080_str+
## 1604 chr1:77779967-77783238_str+
## 1605 chr1:77979619-77992754_str+
## 1606 chr1:77992866-78013051_str+
## 1607 chr1:78045094-78080675_str+
## 1608 chr1:78493541-78497874_str+
## 1609 chr1:78497944-78536406_str+
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## 1611 chr1:80535942-80540589_str+
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## 1614 chr1:81514706-81514835_str-
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## 1617 chr1:81984711-81990391_str+
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## 1619 chr1:81987029-81987869_str+
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## 1621 chr1:81801068-81811843_str+
## 1622 chr1:81811923-81836885_str+
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## 1630 chr1:82991980-82996715_str+
## 1631 chr1:82996776-82997473_str+
## 1632 chr1:82997589-83076141_str+
## 1633 chr1:83076224-83086212_str+
## 1634 chr1:83086314-83093801_str+
## 1635 chr1:83093983-83096865_str+
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## 1653 chr1:84553124-84555910_str+
## 1654 chr1:84398689-84401901_str+
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## 1660 chr1:85358847-85496166_str-
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## 1679 chr1:86642768-86643865_str+
## 1680 chr1:86644089-86645977_str+
## 1681 chr1:86646154-86647163_str+
## 1682 chr1:86647222-86647317_str+
## 1683 chr1:86647417-86647780_str+
## 1684 chr1:86648003-86648305_str+
## 1685 chr1:86648575-86649134_str+
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## 1696 chr1:90789487-90851483_str-
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## 1699 chr1:90837765-90851483_str-

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## 1719 chr1:91899697-91905826_str-
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## 3012 chr1:201688413-201817227_str-
## 3013 chr1:201817301-201828951_str-
## 3014 chr1:202214237-202225423_str+
## 3015 chr1:202235993-202297508_str+
## 3016 chr1:203127928-203128278_str+
## 3017 chr1:203128432-203128785_str+
## 3018 chr1:203129182-203165261_str+
## 3019 chr1:203127928-203128785_str+
## 3020 chr1:203129182-203165056_str+
## 3021 chr1:203026629-203038610_str+
## 3022 chr1:203039242-203043397_str+
## 3023 chr1:203044095-203044379_str+
## 3024 chr1:203044453-203044696_str+
## 3025 chr1:203045987-203046248_str+
## 3026 chr1:203046382-203048227_str+
## 3027 chr1:203048310-203048583_str+
## 3028 chr1:203048714-203048918_str+
## 3029 chr1:203048980-203049676_str+
## 3030 chr1:203049767-203051769_str+
## 3031 chr1:203051877-203053753_str+
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## 3033 chr1:203056155-203056375_str+
## 3034 chr1:203056508-203056784_str+
## 3035 chr1:203056950-203059178_str+
## 3036 chr1:203059271-203059770_str+
## 3037 chr1:203061032-203061652_str+
## 3038 chr1:203061678-203063828_str+
## 3039 chr1:203075757-203076341_str+
## 3040 chr1:203129257-203165261_str+
## 3041 chr1:202925207-202928481_str-
## 3042 chr1:202603118-202604455_str-
## 3043 chr1:202604621-202605595_str-
## 3044 chr1:202605789-202643278_str-
## 3045 chr1:202463097-202488533_str+
## 3046 chr1:202569197-202575002_str+
## 3047 chr1:202575182-202580474_str+
## 3048 chr1:202605789-202710258_str-
## 3049 chr1:204261448-204264942_str-

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## 3053 chr1:203795794-203802569_str+
## 3054 chr1:203795794-203802957_str+
## 3055 chr1:203795794-203802652_str+
## 3056 chr1:203801628-203802293_str+
## 3057 chr1:203802326-203802957_str+
## 3058 chr1:203795775-203802569_str+
## 3059 chr1:204828782-204920632_str+
## 3060 chr1:204920740-204944226_str+
## 3061 chr1:204944406-204950557_str+
## 3062 chr1:204950574-204952011_str+
## 3063 chr1:204952116-204954188_str+
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## 3065 chr1:204954951-204957656_str+
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## 3067 chr1:204968360-204968798_str+
## 3068 chr1:204968982-204970616_str+
## 3069 chr1:204970747-204973276_str+
## 3070 chr1:204973419-204974179_str+
## 3071 chr1:204974290-204974657_str+
## 3072 chr1:204974823-204975271_str+
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## 3077 chr1:204977725-204978968_str+
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## 3082 chr1:204987540-204988633_str+
## 3083 chr1:204988806-204991292_str+
## 3084 chr1:204991306-204997170_str+
## 3085 chr1:204997406-205001170_str+
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## 3089 chr1:205012866-205016308_str+
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## 3100 chr1:205420574-205421990_str-
## 3101 chr1:205230169-205240732_str+
## 3102 chr1:205240920-205241505_str+
## 3103 chr1:204991306-205009557_str+

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3116 chr1:205932812-205932945_str-
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## 3262 chr1:222928570-222942807_str+
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## 3316 chr1:224029871-224031240_str+
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3438 chr1:236737214-236739302_str+
3439 chr1:236739532-236742896_str+
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3442 chr1:236747775-236749124_str+
3443 chr1:236749264-236751470_str+
3444 chr1:236751652-236753947_str+
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3446 chr1:236755198-236757486_str+
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3462 chr1:237042569-237270497_str+
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3472 chr1:237417123-237423092_str+
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3474 chr1:237441483-237445401_str+
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3476 chr1:237454574-237456600_str+
3477 chr1:237456735-237469092_str+
3478 chr1:237469187-237491806_str+
3479 chr1:237496752-237500711_str+
3480 chr1:237500903-237503289_str+
3481 chr1:237503505-237506710_str+

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## 3491 chr1:237591853-237593476_str+
## 3492 chr1:237593636-237595498_str+
## 3493 chr1:237595657-237602025_str+
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## 3499 chr1:237625804-237627807_str+
## 3500 chr1:237628080-237631427_str+
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## 3519 chr1:237717368-237718462_str+
## 3520 chr1:237723262-237726273_str+
## 3521 chr1:237726308-237727087_str+
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## 3525 chr1:237742349-237756288_str+
## 3526 chr1:237756387-237757697_str+
## 3527 chr1:237757776-237759776_str+
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## 3529 chr1:237770887-237772012_str+
## 3530 chr1:237772100-237773520_str+
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## 3532 chr1:239629539-239632224_str+
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## 3534 chr1:239545753-239632224_str+
## 3535 chr1:239678288-239826853_str+

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## 3557 chr1:241770690-241771661_str+
## 3558 chr1:241771697-241772792_str+
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## 3572 chr1:243917526-243978410_str+
## 3573 chr1:243978519-244003383_str+
## 3574 chr1:244003500-244005058_str+
## 3575 chr1:244005158-244010021_str+
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## 3580 chr1:244041555-244043423_str+
## 3581 chr1:244043549-244045228_str+
## 3582 chr1:244045291-244046892_str+
## 3583 chr1:244051444-244053788_str+
## 3584 chr1:244461494-244463908_str+
## 3585 chr1:244479784-244490447_str+
## 3586 chr1:244499079-244518592_str+
## 3587 chr1:244583939-244588482_str+
## 3588 chr1:244842058-244842199_str+
## 3589 chr1:244411427-244415981_str-

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## 3593 chr1:245929937-245988394_str-
## 3594 chr1:246355094-246355424_str-
## 3595 chr1:247038424-247038810_str-
## 3596 chr1:246967792-246979840_str-
## 3597 chr1:246980004-246988121_str-
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## 3600 chr1:247374143-247374657_str+
## 3601 chr1:247332364-247365230_str+
## 3602 chr1:247365283-247374007_str+
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## 3608 chr1:247734425-247735484_str-
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## 3613 chr1:35481-35721_str-
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## 3615 chr1:12721-13221_str+
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## 3618 chr1:205995-206237_str-
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## 3621 chr1:628223-628919_str-
## 3622 chr1:735613-738834_str-
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## 3624 chr1:756141-758967_str-
## 3625 chr1:818202-818723_str+
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## 3627 chr1:875155-876746_str-
## 3628 chr1:827849-829003_str+
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## 3630 chr1:971006-971113_str+
## 3631 chr1:976269-976499_str-
## 3632 chr1:976624-978881_str-
## 3633 chr1:980657-981137_str-
## 3634 chr1:981173-982065_str-
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## 3636 chr1:981173-981970_str-
## 3637 chr1:976558-978881_str-
## 3638 chr1:973010-973500_str+
## 3639 chr1:981047-982065_str-
## 3640 chr1:922509-922672_str-
## 3641 chr1:922735-923013_str-
## 3642 chr1:923143-923275_str-
## 3643 chr1:923461-925518_str-

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## 3657      chr1:1243552-1243954_str-
## 3658      chr1:1244105-1244191_str-
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## 3679      chr1:1358547-1363517_str-
## 3680      chr1:1388743-1388950_str-
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## 3682      chr1:1321093-1323181_str-
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## 3684      chr1:1535797-1539684_str-
## 3685      chr1:1539790-1540290_str-
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## 3688      chr1:1454500-1455460_str+
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## 3691      chr1:1516088-1517167_str+
## 3692      chr1:1599616-1600657_str+
## 3693      chr1:1600706-1606873_str+
## 3694      chr1:1632913-1633188_str+
## 3695      chr1:1634328-1634451_str+
## 3696      chr1:1700072-1700347_str+
## 3697      chr1:1701487-1701608_str+

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## 3703      chr1:1759243-1759734_str-
## 3704      chr1:1759902-1761952_str-
## 3705      chr1:1757310-1758365_str-
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## 3707      chr1:1891383-1892028_str+
## 3708      chr1:1915307-1915685_str+
## 3709      chr1:1915735-1916441_str+
## 3710      chr1:1891383-1891900_str+
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## 3712      chr1:1918934-1919045_str-
## 3713      chr1:1919088-1919182_str-
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## 3719      chr1:2193910-2194688_str-
## 3720      chr1:2104895-2135262_str+
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## 3723      chr1:2203630-2206305_str-
## 3724      chr1:2206424-2206515_str-
## 3725      chr1:2206667-2207556_str-
## 3726      chr1:2187206-2189713_str-
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## 3737      chr1:2552703-2553626_str-
## 3738      chr1:2553814-2554101_str-
## 3739      chr1:2554296-2554724_str-
## 3740      chr1:2556696-2556977_str-
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## 3744      chr1:2586591-2587091_str+
## 3745      chr1:2587792-2588336_str+
## 3746      chr1:2588453-2588957_str+
## 3747      chr1:2588453-2588530_str+
## 3748      chr1:2588453-2588954_str+
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## 3751      chr1:2560714-2562865_str+

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## 3752 chr1:3064055-3064212_str-
## 3753 chr1:3454811-3463066_str+
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## 3756 chr1:3467337-3468880_str+
## 3757 chr1:3469593-3473078_str+
## 3758 chr1:3473230-3473393_str+
## 3759 chr1:3473522-3474708_str+
## 3760 chr1:3474782-3475970_str+
## 3761 chr1:3476062-3477875_str+
## 3762 chr1:3478026-3478424_str+
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## 3764 chr1:3479590-3479812_str+
## 3765 chr1:3479913-3480448_str+
## 3766 chr1:3690944-3707549_str+
## 3767 chr1:3737854-3740233_str-
## 3768 chr1:3698151-3707549_str+
## 3769 chr1:3772841-3775299_str+
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## 3771 chr1:3756890-3761281_str+
## 3772 chr1:3761430-3762620_str+
## 3773 chr1:3762712-3763108_str+
## 3774 chr1:3763474-3763706_str+
## 3775 chr1:3763836-3766535_str+
## 3776 chr1:3766612-3767233_str+
## 3777 chr1:3767445-3769783_str+
## 3778 chr1:3769887-3771401_str+
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## 3786 chr1:3858844-3865762_str+
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## 3802 chr1:4572592-4582277_str+
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## 3804 chr1:4583178-4583339_str+
## 3805 chr1:6046183-6051511_str+

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## 3806      chr1:6034794-6040517_str+
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## 3839      chr1:6577070-6578653_str+
## 3840      chr1:6571215-6574631_str+
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## 3854      chr1:7829951-7830006_str+
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## 3857      chr1:8015692-8026158_str-
## 3858      chr1:8208873-8210487_str+
## 3859      chr1:8210595-8214625_str+

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## 3860      chr1:8214678-8215079_str+
## 3861      chr1:8318186-8325818_str+
## 3862      chr1:8326042-8330209_str+
## 3863      chr1:8330936-8335437_str+
## 3864      chr1:8335614-8337816_str+
## 3865      chr1:8337992-8339493_str+
## 3866      chr1:8339698-8343747_str+
## 3867      chr1:8335590-8337816_str+
## 3868      chr1:8318186-8324306_str+
## 3869      chr1:8324726-8325298_str+
## 3870      chr1:8325390-8325818_str+
## 3871      chr1:8324726-8325818_str+
## 3872      chr1:8424701-8428482_str+
## 3873      chr1:8428588-8429827_str+
## 3874      chr1:8429972-8434633_str+
## 3875      chr1:8868057-8870825_str-
## 3876      chr1:8870883-8871891_str-
## 3877      chr1:8945965-8957137_str+
## 3878      chr1:8957285-8958910_str+
## 3879      chr1:8959002-8962587_str+
## 3880      chr1:8962656-8967659_str+
## 3881      chr1:8945965-8949263_str+
## 3882      chr1:8949442-8957137_str+
## 3883      chr1:8970981-8974347_str+
## 3884      chr1:8945965-8958910_str+
## 3885      chr1:9004879-9007310_str-
## 3886      chr1:9007385-9010143_str-
## 3887      chr1:9010244-9013525_str-
## 3888      chr1:9013635-9014681_str-
## 3889      chr1:9014868-9015117_str-
## 3890      chr1:9015242-9018223_str-
## 3891      chr1:9018375-9019209_str-
## 3892      chr1:9019333-9022918_str-
## 3893      chr1:9023078-9024976_str-
## 3894      chr1:9025074-9026295_str-
## 3895      chr1:9427381-9428842_str-
## 3896      chr1:9427381-9428922_str-
## 3897      chr1:9672719-9680712_str-
## 3898      chr1:9950648-9951231_str-
## 3899      chr1:9951297-9952339_str-
## 3900      chr1:9952469-9955821_str-
## 3901      chr1:9955915-9960714_str-
## 3902      chr1:9936627-9942681_str-
## 3903      chr1:9997331-10004093_str+
## 3904      chr1:10004307-10007570_str+
## 3905      chr1:10230997-10232250_str+
## 3906      chr1:10399330-10399629_str+
## 3907      chr1:10440413-10451377_str+
## 3908      chr1:10431401-10440347_str+
## 3909      chr1:10450322-10451377_str+
## 3910      chr1:10434690-10451377_str+
## 3911      chr1:10948844-10949624_str-
## 3912      chr1:10966482-10969970_str-
## 3913      chr1:10970089-10976156_str-

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## 3914 chr1:10976256-10982012_str-
## 3915 chr1:11100084-11101801_str+
## 3916 chr1:11027648-11030176_str-
## 3917 chr1:11030250-11030748_str-
## 3918 chr1:11030882-11034828_str-
## 3919 chr1:11034906-11037693_str-
## 3920 chr1:11037811-11042875_str-
## 3921 chr1:11043022-11043339_str-
## 3922 chr1:11043535-11045408_str-
## 3923 chr1:11045539-11046556_str-
## 3924 chr1:11046733-11046891_str-
## 3925 chr1:11047119-11047203_str-
## 3926 chr1:11044953-11045408_str-
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## 3928 chr1:11144886-11145153_str+
## 3929 chr1:11145279-11149270_str+
## 3930 chr1:11189955-11192270_str+
## 3931 chr1:11192370-11193580_str+
## 3932 chr1:11193774-11194461_str+
## 3933 chr1:11194659-11194854_str+
## 3934 chr1:11610113-11611843_str+
## 3935 chr1:11611978-11612790_str+
## 3936 chr1:11654952-11655940_str+
## 3937 chr1:11654952-11655670_str+
## 3938 chr1:11654581-11655806_str+
## 3939 chr1:11658364-11658533_str+
## 3940 chr1:11648828-11649087_str-
## 3941 chr1:11649225-11649779_str-
## 3942 chr1:11650074-11650466_str-
## 3943 chr1:11650834-11654319_str-
## 3944 chr1:11691853-11706249_str+
## 3945 chr1:11706709-11709275_str+
## 3946 chr1:11709465-11711851_str+
## 3947 chr1:11711965-11712340_str+
## 3948 chr1:11712429-11715119_str+
## 3949 chr1:11715208-11719584_str+
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## 3951 chr1:11764470-11765857_str+
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## 3953 chr1:11767264-11768077_str+
## 3954 chr1:11768275-11768973_str+
## 3955 chr1:11769127-11771524_str+
## 3956 chr1:11771636-11772082_str+
## 3957 chr1:11772259-11775435_str+
## 3958 chr1:11775610-11776464_str+
## 3959 chr1:11776638-11778660_str+
## 3960 chr1:11778816-11778926_str+
## 3961 chr1:11779080-11779802_str+
## 3962 chr1:11780010-11782189_str+
## 3963 chr1:11782333-11784174_str+
## 3964 chr1:11784593-11785148_str+
## 3965 chr1:11785289-11787388_str+
## 3966 chr1:11787493-11787873_str+
## 3967 chr1:11788047-11788149_str+

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## 3968 chr1:11788378-11788652_str+
## 3969 chr1:11788746-11789270_str+
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## 3971 chr1:11778807-11779123_str-
## 3972 chr1:11826224-11827115_str+
## 3973 chr1:11846014-11847113_str-
## 3974 chr1:11847439-11847562_str-
## 3975 chr1:11807190-11816615_str+
## 3976 chr1:11857671-11858214_str-
## 3977 chr1:11858469-11858702_str-
## 3978 chr1:12063661-12097101_str+
## 3979 chr1:12135613-12138232_str+
## 3980 chr1:12644714-12651123_str+
## 3981 chr1:12651339-12661791_str+
## 3982 chr1:12661854-12665961_str+
## 3983 chr1:12746541-12755700_str+
## 3984 chr1:12755813-12759310_str+
## 3985 chr1:12759487-12760770_str+
## 3986 chr1:12822939-12823036_str-
## 3987 chr1:12716344-12720883_str+
## 3988 chr1:12720946-12725222_str+
## 3989 chr1:12716344-12719475_str+
## 3990 chr1:12719691-12720883_str+
## 3991 chr1:12791474-12793203_str+
## 3992 chr1:12793514-12793915_str+
## 3993 chr1:12794493-12795438_str+
## 3994 chr1:12794969-12795438_str+
## 3995 chr1:12775154-12775543_str+
## 3996 chr1:12776118-12777011_str+
## 3997 chr1:12825503-12827249_str-
## 3998 chr1:12827830-12828497_str-
## 3999 chr1:12828805-12831356_str-
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## 4001 chr1:12939236-12940984_str-
## 4002 chr1:12941565-12942232_str-
## 4003 chr1:12942540-12947517_str-
## 4004 chr1:12848470-12848681_str-
## 4005 chr1:12880105-12881854_str-
## 4006 chr1:12882435-12883102_str-
## 4007 chr1:12883410-12886147_str-
## 4008 chr1:12857147-12858985_str+
## 4009 chr1:12859296-12859693_str+
## 4010 chr1:12860271-12861221_str+
## 4011 chr1:12893474-12894586_str-
## 4012 chr1:12895164-12895561_str-
## 4013 chr1:12895872-12898216_str-
## 4014 chr1:12916687-12917668_str+
## 4015 chr1:12917979-12918362_str+
## 4016 chr1:12918937-12919852_str+
## 4017 chr1:13095762-13096713_str-
## 4018 chr1:13097288-13097685_str-
## 4019 chr1:13097996-13099640_str-
## 4020 chr1:13050369-13052118_str-
## 4021 chr1:13052699-13053367_str-

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## 4022 chr1:13053675-13056414_str-
## 4023 chr1:13073986-13074659_str+
## 4024 chr1:13075240-13076991_str+
## 4025 chr1:13060930-13061144_str+
## 4026 chr1:13127146-13128793_str+
## 4027 chr1:13129104-13129501_str+
## 4028 chr1:13130076-13131027_str+
## 4029 chr1:13116581-13116793_str-
## 4030 chr1:13149798-13151549_str-
## 4031 chr1:13152130-13152803_str-
## 4032 chr1:13175573-13176241_str+
## 4033 chr1:13176822-13178571_str+
## 4034 chr1:13223905-13224855_str-
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## 4037 chr1:13170380-13175265_str+
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## 4045 chr1:13283422-13283805_str-
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## 4048 chr1:13306241-13306638_str+
## 4049 chr1:13307216-13308329_str+
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## 4051 chr1:13344616-13345028_str-
## 4052 chr1:13345339-13347057_str-
## 4053 chr1:13315658-13318392_str+
## 4054 chr1:13318700-13319372_str+
## 4055 chr1:13319953-13321703_str+
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## 4057 chr1:13390919-13391944_str+
## 4058 chr1:13410544-13416351_str+
## 4059 chr1:13416641-13418122_str+
## 4060 chr1:13418700-13420697_str+
## 4061 chr1:13585639-13607173_str+
## 4062 chr1:13585714-13607173_str+
## 4063 chr1:14946173-14960684_str+
## 4064 chr1:15117807-15118327_str-
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## 4066 chr1:15124373-15152291_str-
## 4067 chr1:15164461-15171181_str-
## 4068 chr1:15171315-15171611_str-
## 4069 chr1:15168777-15171181_str-
## 4070 chr1:15438504-15440300_str+
## 4071 chr1:15440391-15440493_str+
## 4072 chr1:15443555-15444606_str+
## 4073 chr1:15444751-15445597_str+
## 4074 chr1:15507907-15518250_str-
## 4075 chr1:15476165-15476457_str+

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## 4076 chr1:15476545-15481098_str+
## 4077 chr1:15481195-15482265_str+
## 4078 chr1:15482393-15483264_str+
## 4079 chr1:15483400-15485901_str+
## 4080 chr1:15487437-15491295_str+
## 4081 chr1:15518395-15524583_str-
## 4082 chr1:15566410-15567099_str+
## 4083 chr1:15740222-15749430_str-
## 4084 chr1:15836906-15848108_str-
## 4085 chr1:15758848-15764496_str+
## 4086 chr1:15765233-15767376_str+
## 4087 chr1:15767563-15768528_str+
## 4088 chr1:15768630-15770409_str+
## 4089 chr1:15770578-15774618_str+
## 4090 chr1:15742647-15742835_str+
## 4091 chr1:15742907-15743020_str+
## 4092 chr1:15743194-15744160_str+
## 4093 chr1:15744580-15746867_str+
## 4094 chr1:15747054-15747546_str+
## 4095 chr1:15765233-15770409_str+
## 4096 chr1:15756732-15758174_str+
## 4097 chr1:15758329-15764493_str+
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## 4100 chr1:16059604-16059869_str-
## 4101 chr1:16060051-16062099_str-
## 4102 chr1:16062192-16062499_str-
## 4103 chr1:16062534-16063521_str-
## 4104 chr1:16063636-16073421_str-
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## 4106 chr1:16023928-16024763_str+
## 4107 chr1:16024891-16026108_str+
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## 4111 chr1:16027435-16027821_str+
## 4112 chr1:16027905-16028018_str+
## 4113 chr1:16028119-16028761_str+
## 4114 chr1:16028845-16029126_str+
## 4115 chr1:16029299-16029731_str+
## 4116 chr1:16029800-16029965_str+
## 4117 chr1:16030075-16030461_str+
## 4118 chr1:16030674-16031710_str+
## 4119 chr1:16031843-16032203_str+
## 4120 chr1:16032291-16032446_str+
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## 4125 chr1:16049702-16049815_str+
## 4126 chr1:16049916-16050516_str+
## 4127 chr1:16050600-16050875_str+
## 4128 chr1:16051048-16051478_str+
## 4129 chr1:16051547-16051710_str+

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## 4130 chr1:16051820-16052198_str+
## 4131 chr1:16052411-16053639_str+
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## 4133 chr1:16055523-16055678_str+
## 4134 chr1:16055758-16056422_str+
## 4135 chr1:16056508-16056869_str+
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## 4137 chr1:16044592-16045558_str+
## 4138 chr1:16045686-16046535_str+
## 4139 chr1:16046663-16047905_str+
## 4140 chr1:16048044-16048343_str+
## 4141 chr1:16048420-16048504_str+
## 4142 chr1:16048582-16049120_str+
## 4143 chr1:16055523-16055675_str+
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## 4156 chr1:16207777-16207944_str-
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## 4165 chr1:16400892-16403727_str-
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## 4169 chr1:16409203-16409601_str-
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## 4173 chr1:16425731-16427864_str-
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## 4179 chr1:16491316-16491981_str-
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## 4204 chr1:16759035-16759066_str-
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## 4206 chr1:16759399-16759476_str-
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## 4233 chr1:17195601-17196300_str+
## 4234 chr1:17372361-17373056_str+
## 4235 chr1:17373233-17375427_str+
## 4236 chr1:17375499-17379920_str+
## 4237 chr1:17379987-17381047_str+

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4289 chr1:20398787-20399480_str-
4290 chr1:20399549-20400935_str-
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## 4292 chr1:20405694-20406187_str-
## 4293 chr1:20406269-20428584_str-
## 4294 chr1:20643118-20645585_str-
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## 4296 chr1:20721995-20722756_str-
## 4297 chr1:20722915-20723626_str-
## 4298 chr1:20723734-20724083_str-
## 4299 chr1:20724251-20724396_str-
## 4300 chr1:20724635-20725920_str-
## 4301 chr1:20726066-20727001_str-
## 4302 chr1:20727075-20727523_str-
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## 4304 chr1:20728086-20732181_str-
## 4305 chr1:20779911-20786253_str-
## 4306 chr1:20727603-20732181_str-
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## 4308 chr1:21294210-21298027_str+
## 4309 chr1:21445219-21468688_str+
## 4310 chr1:21474951-21478069_str+
## 4311 chr1:21445219-21465135_str+
## 4312 chr1:21445219-21470632_str+
## 4313 chr1:21509111-21553978_str+
## 4314 chr1:21509076-21553978_str+
## 4315 chr1:21509517-21560626_str+
## 4316 chr1:21560745-21563110_str+
## 4317 chr1:21551428-21553978_str+
## 4318 chr1:21812536-21814398_str+
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## 4320 chr1:22003088-22005447_str+
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## 4326 chr1:21977082-21978369_str+
## 4327 chr1:21978454-21980824_str+
## 4328 chr1:21980921-21981038_str+
## 4329 chr1:21981172-21983694_str+
## 4330 chr1:21983830-21984189_str+
## 4331 chr1:21984331-21986531_str+
## 4332 chr1:21986683-21989262_str+
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## 4334 chr1:22024966-22025964_str-
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## 4336 chr1:22121353-22121445_str-
## 4337 chr1:22121576-22129616_str-
## 4338 chr1:22129851-22142846_str-
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## 4340 chr1:22452946-22489880_str+
## 4341 chr1:22563729-22569289_str+
## 4342 chr1:22569353-22576217_str+
## 4343 chr1:22576880-22586480_str+
## 4344 chr1:22586635-22588871_str+
## 4345 chr1:22589206-22593326_str+

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## 4348 chr1:22595323-22596106_str+
## 4349 chr1:22596173-22597312_str+
## 4350 chr1:22597476-22597676_str+
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## 4355 chr1:22601088-22601300_str+
## 4356 chr1:22601473-22601627_str+
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## 4358 chr1:22955426-22958685_str-
## 4359 chr1:22958920-22959942_str-
## 4360 chr1:22960099-22963107_str-
## 4361 chr1:22963216-22965290_str-
## 4362 chr1:22965425-22972305_str-
## 4363 chr1:22972431-22972772_str-
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## 4365 chr1:23014045-23015772_str-
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## 4367 chr1:23394031-23397543_str-
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## 4369 chr1:23527070-23527405_str+
## 4370 chr1:23627537-23628507_str+
## 4371 chr1:23628597-23629481_str+
## 4372 chr1:23629557-23639680_str+
## 4373 chr1:23639795-23640389_str+
## 4374 chr1:23639795-23640328_str+
## 4375 chr1:23639795-23640246_str+
## 4376 chr1:23629557-23639115_str+
## 4377 chr1:23639251-23639680_str+
## 4378 chr1:23639795-23640361_str+
## 4379 chr1:23627537-23627781_str+
## 4380 chr1:23627998-23628507_str+
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## 4383 chr1:24057627-24058924_str-
## 4384 chr1:24058979-24061060_str-
## 4385 chr1:24061082-24061273_str-
## 4386 chr1:24061309-24061946_str-
## 4387 chr1:24062109-24063126_str-
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## 4389 chr1:24063530-24064072_str-
## 4390 chr1:24064159-24065891_str-
## 4391 chr1:24066001-24067021_str-
## 4392 chr1:24067088-24067970_str-
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## 4394 chr1:24068367-24071117_str-
## 4395 chr1:24071253-24071969_str-
## 4396 chr1:24072013-24074160_str-
## 4397 chr1:24074269-24075319_str-
## 4398 chr1:24075475-24076159_str-
## 4399 chr1:24076273-24080016_str-

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## 4454 chr1:24444184-24445185_str+
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## 4456 chr1:24456273-24464026_str+
## 4457 chr1:24453504-24454054_str+
## 4458 chr1:24419640-24440090_str+
## 4459 chr1:24419640-24433104_str+
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## 4461 chr1:24413774-24419291_str+
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## 4501 chr1:26057650-26058390_str-
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## 4503 chr1:26061334-26066268_str-
## 4504 chr1:26066440-26067336_str-
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## 4506 chr1:26029286-26029600_str+
## 4507 chr1:26029707-26030476_str+

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## 4579 chr1:28643763-28648193_str+
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## 4609 chr1:31501539-31503015_str+
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## 4611 chr1:31504300-31505478_str+
## 4612 chr1:31505587-31506240_str+
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## 4732 chr1:32205963-32206154_str+
## 4733 chr1:32362846-32363595_str+
## 4734 chr1:32465105-32470584_str+
## 4735 chr1:32471615-32480891_str+
## 4736 chr1:32481069-32485101_str+
## 4737 chr1:32553540-32595054_str+
## 4738 chr1:32696044-32702608_str-
## 4739 chr1:32651432-32651914_str+
## 4740 chr1:32817599-32825313_str+
## 4741 chr1:32886515-32888878_str+
## 4742 chr1:32889276-32893524_str+
## 4743 chr1:32893629-32893765_str+
## 4744 chr1:32867842-32868190_str-
## 4745 chr1:32868388-32868882_str-
## 4746 chr1:32868993-32872394_str-
## 4747 chr1:32863752-32864766_str-
## 4748 chr1:32868997-32870653_str-
## 4749 chr1:32864299-32864664_str-
## 4750 chr1:33082354-33083063_str+
## 4751 chr1:33083142-33083954_str+
## 4752 chr1:33092222-33093245_str+
## 4753 chr1:33081294-33081388_str+
## 4754 chr1:33082354-33083018_str+
## 4755 chr1:33081508-33083954_str+
## 4756 chr1:33096869-33098007_str+
## 4757 chr1:33081294-33081391_str+
## 4758 chr1:33096880-33098067_str+
## 4759 chr1:33081508-33081601_str+
## 4760 chr1:33081812-33082178_str+
## 4761 chr1:33081508-33092050_str+
## 4762 chr1:33082354-33083111_str+
## 4763 chr1:33101902-33117902_str+
## 4764 chr1:33082354-33092050_str+
## 4765 chr1:33307453-33312052_str-
## 4766 chr1:33312189-33312501_str-
## 4767 chr1:33312590-33312807_str-
## 4768 chr1:33312890-33321076_str-
## 4769 chr1:33350447-33358861_str+
## 4770 chr1:33359074-33363066_str+
## 4771 chr1:33375593-33392682_str-
## 4772 chr1:33488651-33491025_str+
## 4773 chr1:33491702-33493190_str+
## 4774 chr1:33489191-33491025_str+
## 4775 chr1:33869049-33869203_str+
## 4776 chr1:33869337-33870872_str+
## 4777 chr1:33871008-33875466_str+

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## 4779 chr1:33878350-33882163_str+
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## 4781 chr1:33884814-33885086_str+
## 4782 chr1:33860890-33862865_str+
## 4783 chr1:33864177-33864263_str+
## 4784 chr1:34755195-34757307_str+
## 4785 chr1:34855982-34859652_str-
## 4786 chr1:34855982-34856556_str-
## 4787 chr1:34856739-34858840_str-
## 4788 chr1:34782442-34784738_str+
## 4789 chr1:34781778-34784738_str+
## 4790 chr1:34759788-34760933_str+
## 4791 chr1:34977402-34977931_str-
## 4792 chr1:34978084-34978678_str-
## 4793 chr1:34905434-34907355_str-
## 4794 chr1:34907437-34929451_str-
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## 4796 chr1:35110447-35111829_str+
## 4797 chr1:35059925-35078994_str+
## 4798 chr1:35079219-35093914_str+
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## 4801 chr1:35557883-35559107_str+
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## 4803 chr1:35573604-35573927_str+
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## 4805 chr1:35716326-35716501_str-
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## 4808 chr1:36085288-36085836_str+
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## 4818 chr1:37690438-37692030_str-
## 4819 chr1:37690438-37691459_str-
## 4820 chr1:37691581-37692030_str-
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## 4822 chr1:38047614-38102417_str+
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## 4827 chr1:38211822-38212098_str-
## 4828 chr1:38212451-38214717_str-
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## 4830 chr1:38476255-38476387_str+
## 4831 chr1:38873090-38873595_str-

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## 4832 chr1:38876193-38881432_str-
## 4833 chr1:38873909-38874778_str-
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## 4836 chr1:38866999-38881432_str-
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## 4853 chr1:39522482-39523007_str+
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## 4876 chr1:40508889-40514515_str+
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## 4882 chr1:40824258-40831084_str+
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## 4885 chr1:41020778-41020864_str-

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## 4906 chr1:42784122-42784683_str-
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## 4922 chr1:43301129-43304934_str+
## 4923 chr1:43270085-43270586_str+
## 4924 chr1:43283368-43285444_str-
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## 4928 chr1:43526145-43528657_str+
## 4929 chr1:43528756-43538198_str+
## 4930 chr1:43569778-43575910_str+
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## 4933 chr1:43583093-43588731_str+
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## 4935 chr1:43598913-43602071_str+
## 4936 chr1:43602097-43603416_str+
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## 4967 chr1:44130756-44133238_str+
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## 4993 chr1:45623412-45623557_str-

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## 5155 chr1:51321825-51330437_str-

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## 5163 chr1:51563738-51566306_str-
## 5164 chr1:51566541-51567174_str-
## 5165 chr1:51567332-51567752_str-
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## 5167 chr1:51569750-51573954_str-
## 5168 chr1:51574055-51582824_str-
## 5169 chr1:51582920-51583450_str-
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## 5171 chr1:51933442-51937294_str-
## 5172 chr1:51937412-51976890_str-
## 5173 chr1:51977117-51990552_str-
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## 5175 chr1:52051849-52052407_str+
## 5176 chr1:52385949-52388457_str-
## 5177 chr1:52643002-52659401_str+
## 5178 chr1:52659580-52667399_str+
## 5179 chr1:52866567-52867539_str+
## 5180 chr1:52854630-52860731_str+
## 5181 chr1:52897484-52904646_str-
## 5182 chr1:52914095-52921483_str-
## 5183 chr1:53088246-53088877_str-
## 5184 chr1:53088979-53089800_str-
## 5185 chr1:53089934-53090612_str-
## 5186 chr1:53090806-53092554_str-
## 5187 chr1:53092787-53093461_str-
## 5188 chr1:53093560-53103346_str-
## 5189 chr1:53103568-53105732_str-
## 5190 chr1:53105774-53134350_str-
## 5191 chr1:53134429-53142315_str-
## 5192 chr1:53108634-53114758_str-
## 5193 chr1:53114973-53134350_str-
## 5194 chr1:53105774-53114758_str-
## 5195 chr1:53090778-53092554_str-
## 5196 chr1:53090983-53092554_str-
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## 5198 chr1:53271346-53280587_str-
## 5199 chr1:53439048-53439775_str-
## 5200 chr1:53460030-53461473_str+
## 5201 chr1:53461645-53464637_str+
## 5202 chr1:53464847-53466595_str+
## 5203 chr1:53828053-53832490_str-
## 5204 chr1:53894355-53904666_str+
## 5205 chr1:53904809-53906095_str+
## 5206 chr1:53906294-53909931_str+
## 5207 chr1:53894547-53909931_str+
## 5208 chr1:53940097-53946237_str-
## 5209 chr1:53930116-53939985_str-

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## 5214 chr1:53930137-53939985_str-
## 5215 chr1:53904809-53909931_str+
## 5216 chr1:53894355-53894439_str+
## 5217 chr1:53894438-53904666_str+
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## 5219 chr1:54010410-54012143_str-
## 5220 chr1:54012249-54017376_str-
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## 5222 chr1:54012280-54014236_str-
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## 5225 chr1:54096844-54111052_str+
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## 5246 chr1:54841702-54841801_str+
## 5247 chr1:54817122-54841801_str+
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## 5252 chr1:55007272-55008214_str+
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## 5254 chr1:55916144-55921365_str-
## 5255 chr1:55921411-55944916_str-
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## 5259 chr1:56415609-56415782_str+
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## 5261 chr1:56643624-56645218_str-
## 5262 chr1:56645481-56674381_str+
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## 5291 chr1:59133330-59146676_str-
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## 5293 chr1:59774124-59788619_str+
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## 5407 chr1:84165013-84173329_str+
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## 6447 chr1:152786307-152787278_str+
## 6448 chr1:152908589-152909779_str+
## 6449 chr1:152878446-152884403_str+
## 6450 chr1:152843011-152843500_str+
## 6451 chr1:153056754-153057471_str-

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## 6452 chr1:152984125-152985212_str+
## 6453 chr1:153040365-153041078_str-
## 6454 chr1:153070858-153071565_str-
## 6455 chr1:153031247-153032327_str+
## 6456 chr1:153001793-153003002_str+
## 6457 chr1:152984125-152985198_str+
## 6458 chr1:153040365-153041072_str-
## 6459 chr1:153001793-153002603_str+
## 6460 chr1:153002686-153003002_str+
## 6461 chr1:152970694-152971871_str+
## 6462 chr1:153140728-153141427_str-
## 6463 chr1:153174645-153176113_str+
## 6464 chr1:153176640-153190079_str+
## 6465 chr1:153217619-153218125_str+
## 6466 chr1:153112752-153113474_str-
## 6467 chr1:153203531-153204687_str+
## 6468 chr1:153150131-153150852_str-
## 6469 chr1:153093770-153094484_str-
## 6470 chr1:153112752-153119353_str-
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## 6472 chr1:153340579-153341627_str-
## 6473 chr1:153341779-153343090_str-
## 6474 chr1:153343208-153345169_str-
## 6475 chr1:153345382-153346102_str-
## 6476 chr1:153346191-153347884_str-
## 6477 chr1:153347978-153348528_str-
## 6478 chr1:153259733-153260927_str+
## 6479 chr1:153298134-153299113_str-
## 6480 chr1:153299231-153302409_str-
## 6481 chr1:153302607-153303857_str-
## 6482 chr1:153304009-153304947_str-
## 6483 chr1:153305065-153307066_str-
## 6484 chr1:153307267-153310611_str-
## 6485 chr1:153310706-153312643_str-
## 6486 chr1:153390557-153422518_str-
## 6487 chr1:153457970-153458873_str-
## 6488 chr1:153459030-153460608_str-
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## 6490 chr1:153418223-153419145_str+
## 6491 chr1:153545909-153548421_str+
## 6492 chr1:153549115-153551243_str+
## 6493 chr1:153541471-153541585_str-
## 6494 chr1:153548490-153549181_str-
## 6495 chr1:153563853-153565506_str-
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## 6497 chr1:153563536-153563734_str-
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## 6502 chr1:153607718-153607999_str-
## 6503 chr1:153626533-153626951_str-
## 6504 chr1:153680700-153681180_str+
## 6505 chr1:153683824-153684964_str+

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## 6509 chr1:153795723-153796205_str+
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## 6513 chr1:153963703-153968084_str-
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## 6559 chr1:155034560-155034653_str+

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7313 chr1:201411533-201413032_str-
7314 chr1:201413121-201414518_str-
7315 chr1:201414649-201415213_str-

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## 7316 chr1:201415254-201417779_str-
## 7317 chr1:201417812-201421673_str-
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## 7319 chr1:201382326-201382653_str-
## 7320 chr1:201382739-201383074_str-
## 7321 chr1:201383211-201383317_str-
## 7322 chr1:201383389-201384792_str-
## 7323 chr1:201384835-201385701_str-
## 7324 chr1:201385805-201386335_str-
## 7325 chr1:201387178-201389160_str-
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## 7368 chr1:203084728-203085491_str-
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## 7724 chr1:229259120-229270976_str-
## 7725 chr1:229342513-229342912_str-
## 7726 chr1:229431642-229431721_str-
## 7727 chr1:229431902-229431994_str-
## 7728 chr1:229432185-229432270_str-
## 7729 chr1:229432431-229432556_str-
## 7730 chr1:229432880-229432987_str-
## 7731 chr1:229433127-229434004_str-
## 7732 chr1:229508679-229510124_str+
## 7733 chr1:229510240-229513978_str+
## 7734 chr1:229875721-229885540_str-
## 7735 chr1:229885174-229885540_str-
## 7736 chr1:229885818-229891966_str-
## 7737 chr1:229885174-229891966_str-
## 7738 chr1:229885174-229893887_str-
## 7739 chr1:230592840-230595362_str-
## 7740 chr1:230710853-230745515_str-
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## 7742 chr1:230762786-230767541_str+
## 7743 chr1:230767709-230769180_str+
## 7744 chr1:230769263-230772014_str+
## 7745 chr1:230772099-230774554_str+
## 7746 chr1:230774631-230778973_str+
## 7747 chr1:230779133-230780179_str+

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## 7752 chr1:230790189-230791864_str+
## 7753 chr1:230791928-230792426_str+
## 7754 chr1:230792494-230792850_str+
## 7755 chr1:230792928-230795163_str+
## 7756 chr1:230795279-230798162_str+
## 7757 chr1:230798220-230801570_str+
## 7758 chr1:230747709-230755337_str+
## 7759 chr1:230755406-230759512_str+
## 7760 chr1:230759630-230762653_str+
## 7761 chr1:230772099-230778973_str+
## 7762 chr1:230875155-230875306_str+
## 7763 chr1:230875565-230878792_str+
## 7764 chr1:230868402-230868812_str-
## 7765 chr1:230868915-230869482_str-
## 7766 chr1:230855718-230855878_str-
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## 7768 chr1:230999801-231000138_str+
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## 7770 chr1:231186173-231187517_str-
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## 7772 chr1:231702024-231720848_str+
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## 7774 chr1:231702024-231720947_str+
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## 7781 chr1:232718888-232722120_str+
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## 7783 chr1:232730781-232735701_str-
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## 7793 chr1:234656233-234660134_str+
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## 7795 chr1:234629747-234632948_str+
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## 7797 chr1:235065613-235067706_str-
## 7798 chr1:235067943-235068296_str-
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7854 chr1:247157207-247159006_str-
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## 7856 chr1:247526746-247528357_str-
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## 7894 chr2:50053590-50054955_str-
## 7895 chr2:50055044-50091323_str-
## 7896 chr2:50091494-50236789_str-
## 7897 chr2:50236970-50465442_str-
## 7898 chr2:50465561-50472298_str-
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## 7901 chr2:50497714-50506495_str-
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## 7903 chr2:50528651-50531227_str-
## 7904 chr2:50531430-50538253_str-
## 7905 chr2:50538636-50552587_str-
## 7906 chr2:50553025-50620022_str-
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## 7914 chr2:50506617-50531227_str-
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## 7947 chr2:75526199-75560680_str-
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## 7957 chr2:209653432-209678572_str+
## 7958 chr2:209680827-209700277_str+
## 7959 chr2:209700338-209705580_str+
## 7960 chr2:209705727-209709914_str+
## 7961 chr2:209579438-209580036_str+
## 7962 chr2:209680827-209692637_str+
## 7963 chr2:209692726-209696917_str+

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## 7971 chr2:209661678-209678572_str+
## 7972 chr2:209696748-209696917_str+
## 7973 chr2:209697051-209700280_str+
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## 7976 chr2:209680827-209696917_str+
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## 7995 chr2:1809167-1839149_str-
## 7996 chr2:1839370-1840760_str-
## 7997 chr2:1840843-1851641_str-
## 7998 chr2:1851703-1886539_str-
## 7999 chr2:1886607-1887488_str-
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## 8003 chr2:1903294-1910240_str-
## 8004 chr2:1910347-1912020_str-
## 8005 chr2:1912110-1917205_str-
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## 8017 chr2:2284503-2330967_str-

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## 8023 chr2:1083655-1098196_str+
## 8024 chr2:1098252-1098353_str+
## 8025 chr2:1098410-1137622_str+
## 8026 chr2:1137665-1137768_str+
## 8027 chr2:1137809-1165548_str+
## 8028 chr2:1165635-1173092_str+
## 8029 chr2:1173183-1209103_str+
## 8030 chr2:1209230-1237888_str+
## 8031 chr2:1238017-1239738_str+
## 8032 chr2:1239776-1247327_str+
## 8033 chr2:1247443-1259370_str+
## 8034 chr2:1259441-1267365_str+
## 8035 chr2:1267571-1308494_str+
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## 8044 chr2:11580832-11585161_str+
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## 8062 chr2:27258934-27275177_str-
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## 8068 chr2:29223528-29225461_str-
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## 8071 chr2:29227672-29228884_str-

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## 8094 chr2:36775067-36787129_str+
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## 8608 chr2:215026938-215031821_str-
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## 8611 chr2:213490090-213862485_str+

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## 8756 chr2:234272-243503_str-
## 8757 chr2:219001-224868_str-
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## 8766 chr2:1484854-1493802_str+
## 8767 chr2:1494039-1495989_str+
## 8768 chr2:1496197-1496595_str+
## 8769 chr2:1496765-1503948_str+
## 8770 chr2:1484854-1487821_str+
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## 8772 chr2:1496765-1516883_str+
## 8773 chr2:1413550-1414408_str+

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## 8788      chr2:3778884-3785059_str+
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## 8827      chr2:8818793-8825743_str-

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## 9456 chr2:85134079-85134323_str+
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## 9458 chr2:85302616-85303895_str+
## 9459 chr2:85305403-85306206_str+
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## 9461 chr2:85863485-85867845_str-
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## 9465 chr2:85064679-85064783_str-
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## 9475 chr2:86282242-86337479_str-

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## 11111 chr2:201545621-201547505_str-
## [ reached 'max' / getOption("max.print") -- omitted 70489 rows ]
```

```
ss_coords_ucsc <- get_SS_from_EEJ(read_from_file = FALSE, df=ucsc_df)
ucsc_nas_common <- find_overlaps_jointSS(ss_coords_ucsc, nas_common, ucsc_df)
ucsc_nas_common <- add_refseqs(fasta, ucsc_nas_common)
ucsc_nas_common <- add_altseqs(ucsc_nas_common)

ucsc_nas_common$refseq_id <- apply(strsplit(ucsc_nas_common$name, "_"), function(parts) {
  paste(parts[1], parts[2], sep = "_")
})

write.table(ucsc_nas_common, file=file.path(fd, "ucsc_nas_common.txt"), sep='\t')
ucsc_nas_common
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##	seqnames	start	end	width	strand
## 3640	1	922509	922672	162	-
## 5377	1	74733531	74736542	3010	+
## 7579	1	212238976	212284979	46002	-
## 7838	1	244969979	244970812	832	-
## 7845	1	246566789	246591512	24722	+
## 12342	2	63842599	63856306	13706	+
## 16256	3	125331238	125338822	7583	-
## 18358	3	125498194	125520032	21837	-
## 21880	4	78922494	78923857	1362	-
## 21882	4	78922983	78923857	873	-
## 24055	5	127551878	127553797	1918	+
## 24478	5	160009190	160010500	1309	+
## 35068	7	156675863	156676419	555	+
## 35074	7	156675863	156676295	431	+
## 45335	10	3170206	3172182	1975	-
## 50402	11	64225869	64226062	192	-
## 50532	11	74851203	74852034	830	-
## 53542	11	126269415	126271437	2021	+
## 57100	12	57623913	57624003	89	+
## 57359	12	93378693	93394609	15915	+
## 64479	15	74788577	74790817	2239	+
## 62235	15	76883876	76904614	20737	-
## 64823	15	89400372	89410555	10182	+

## 68749	17	46923632	46929520	5887	+
## 69200	17	81651685	81663059	11373	-
## 69201	17	81653364	81663059	9694	-
## 71841	18	3262784	3272884	10099	+
## 71788	18	57695532	57697618	2085	-
## 74495	19	9380139	9380589	449	+
## 76328	19	50802614	50803553	938	-
## 81463	22	45164758	45168168	3409	+
## 80546	22	50060152	50061538	1385	-
## 44378	X	153347655	153347754	98	+
## 4583	1	28736809	28737047	237	+
## 4816	1	37583933	37590706	6772	-
## 1281	1	51750195	51752503	2307	+
## 5231	1	54610555	54611606	1050	-
## 5336	1	65420740	65421328	587	+
## 1860	1	99850618	99851035	416	+
## 13088	2	113969603	113970629	1025	+
## 13557	2	165863065	165870797	7731	-
## 10555	2	172469380	172472774	3393	+
## 14500	2	241315982	241320205	4222	+
## 15542	3	47916541	47918719	2177	-
## 17867	3	52291111	52291745	633	+
## 15974	3	105715313	105720047	4733	-
## 18513	3	134486556	134488019	1462	+
## 18515	3	134486052	134488019	1966	+
## 18892	3	183635782	183643480	7697	+
## 18933	3	184177611	184178851	1239	+
## 23527	5	62372551	62373687	1135	+
## 25756	5	140561722	140562100	377	-
## 25755	5	140561728	140562100	371	-
## 31395	7	21884410	21892425	8014	+
## 33362	7	44122195	44122282	86	-
## 35067	7	156658570	156675696	17125	+
## 35067.1	7	156658570	156675696	17125	+
## 35068.1	7	156675863	156676419	555	+
## 35731	8	17935317	17935589	271	+
## 37261	8	23289925	23290052	126	+
## 38463	9	72360784	72364696	3911	-
## 40838	9	122875368	122877471	2102	-
## 47392	10	1546864	1548081	1216	+
## 45337	10	3148063	3148168	104	-
## 48180	10	73125243	73130703	5459	+
## 46842	10	98157573	98159217	1643	+
## 46826	10	98422513	98423603	1089	-
## 48700	10	100990663	100990869	205	+
## 48700.1	10	100990663	100990869	205	+
## 51226	11	1228765	1229170	404	+
## 49331	11	11332831	11372515	39683	-
## 52470	11	66348070	66363269	15198	+
## 53490	11	125102302	125102734	431	-
## 55985	12	6319108	6326428	7319	+
## 55990	12	6319673	6326428	6754	+
## 56025	12	6872986	6873215	228	-
## 56135	12	8941940	8943801	1860	-

##	57395	12	96255550	96259731	4180	+
##	57552	12	106967401	106971105	3703	+
##	57719	12	120688434	120694091	5656	+
##	58966	13	24541003	24541327	323	-
##	58258	13	24879295	24879737	441	+
##	60208	14	73496679	73498155	1475	-
##	61786	14	103712968	103715424	2455	-
##	63977	15	43797356	43797920	563	-
##	63974	15	43799137	43799310	172	-
##	62231	15	76793391	76795280	1888	-
##	66208	16	724509	725078	568	-
##	66247	16	1748721	1752534	3812	+
##	67470	16	67187138	67187225	86	-
##	67790	16	84180344	84180868	523	-
##	67858	16	87773589	87777868	4278	-
##	69309	17	4789677	4789759	81	+
##	70742	17	43013373	43013476	102	+
##	70743	17	43013379	43013476	96	+
##	70941	17	48841887	48846034	4146	+
##	69055	17	73092116	73092495	378	-
##	71398	17	75246796	75262282	15485	-
##	71406	17	76000967	76001412	444	+
##	74259	19	3607409	3611200	3790	+
##	74259.1	19	3607409	3611200	3790	+
##	75090	19	27798176	27805605	7428	+
##	75091	19	27793650	27805605	11954	+
##	75092	19	27794122	27805605	11482	+
##	75191	19	35166428	35169566	3137	+
##	75376	19	36384455	36405580	21124	-
##	75828	19	43988558	43990024	1465	+
##	76340	19	50798947	50799294	346	-
##	77041	19	57841796	57844256	2459	+
##	77041.1	19	57841796	57844256	2459	+
##	79749	21	33263270	33264934	1663	+
##				name	score	refseq_id
##	3640		NR_168405_intron_3_0_chr1_922510_r	0		NR_168405
##	5377		NR_027962_intron_0_0_chr1_74733532_f	0		NR_027962
##	7579		NR_125984_intron_0_0_chr1_212238977_r	0		NR_125984
##	7838		NR_111907_intron_0_0_chr1_244969980_r	0		NR_111907
##	7845		NM_001139459_intron_0_0_chr1_246566790_f	0		NM_001139459
##	12342		NM_001377525_intron_1_0_chr2_63842600_f	0		NM_001377525
##	16256		NM_001348427_intron_1_0_chr3_125331239_r	0		NM_001348427
##	18358		NR_073435_intron_0_0_chr3_125498195_r	0		NR_073435
##	21880		NR_146465_intron_4_0_chr4_78922495_r	0		NR_146465
##	21882		NR_146464_intron_4_0_chr4_78922984_r	0		NR_146464
##	24055		NM_001286808_intron_8_0_chr5_127551879_f	0		NM_001286808
##	24478		NM_001282500_intron_0_0_chr5_160009191_f	0		NM_001282500
##	35068		NM_001184997_intron_7_0_chr7_156675864_f	0		NM_001184997
##	35074		NM_001308273_intron_7_0_chr7_156675864_f	0		NM_001308273
##	45335		NM_001347730_intron_0_0_chr10_3170207_r	0		NM_001347730
##	50402		NM_001160390_intron_0_0_chr11_64225870_r	0		NM_001160390
##	50532		NM_001378169_intron_8_0_chr11_74851204_r	0		NM_001378169
##	53542		NR_037648_intron_0_0_chr11_126269416_f	0		NR_037648
##	57100		NR_166678_intron_7_0_chr12_57623914_f	0		NR_166678

## 57359	NM_001301024_intron_0_0_chr12_93378694_f	0 NM_001301024
## 64479	NM_001354988_intron_0_0_chr15_74788578_f	0 NM_001354988
## 62235	NM_001353009_intron_1_0_chr15_76883877_r	0 NM_001353009
## 64823	NR_160724_intron_0_0_chr15_89400373_f	0 NR_160724
## 68749	NM_001363851_intron_0_0_chr17_46923633_f	0 NM_001363851
## 69200	NR_158591_intron_0_0_chr17_81651686_r	0 NR_158591
## 69201	NM_001365724_intron_0_0_chr17_81653365_r	0 NM_001365724
## 71841	NM_001144945_intron_0_0_chr18_3262785_f	0 NM_001144945
## 71788	NM_005603_intron_7_0_chr18_57695533_r	0 NM_005603
## 74495	NM_001202425_intron_7_0_chr19_9380140_f	0 NM_001202425
## 76328	NM_001290149_intron_1_0_chr19_50802615_r	0 NM_001290149
## 81463	NM_153645_intron_0_0_chr22_45164759_f	0 NM_153645
## 80546	NM_001376478_intron_11_0_chr22_50060153_r	0 NM_001376478
## 44378	NM_001080485_intron_3_0_chrX_153347656_f	0 NM_001080485
## 4583	NM_001173128_intron_0_0_chr1_28736810_f	0 NM_001173128
## 4816	NM_001323624_intron_3_0_chr1_37583934_r	0 NM_001323624
## 1281	NM_001350208_intron_7_0_chr1_51750196_f	0 NM_001350208
## 5231	NM_176782_intron_5_0_chr1_54610556_r	0 NM_176782
## 5336	NM_001198681_intron_0_0_chr1_65420741_f	0 NM_001198681
## 1860	NM_000644_intron_0_0_chr1_99850619_f	0 NM_000644
## 13088	NR_148507_intron_0_0_chr2_113969604_f	0 NR_148507
## 13557	NR_045375_intron_0_0_chr2_165863066_r	0 NR_045375
## 10555	NM_001316306_intron_3_0_chr2_172469381_f	0 NM_001316306
## 14500	NM_001349291_intron_0_0_chr2_241315983_f	0 NM_001349291
## 15542	NM_001384778_intron_5_0_chr3_47916542_r	0 NM_001384778
## 17867	NR_026699_intron_2_0_chr3_52291112_f	0 NR_026699
## 15974	NR_135809_intron_9_0_chr3_105715314_r	0 NR_135809
## 18513	NM_025180_intron_0_0_chr3_134486557_f	0 NM_025180
## 18515	NM_001353122_intron_0_0_chr3_134486053_f	0 NM_001353122
## 18892	NM_001349419_intron_0_0_chr3_183635783_f	0 NM_001349419
## 18933	NM_001311198_intron_2_0_chr3_184177612_f	0 NM_001311198
## 23527	NM_001098511_intron_16_0_chr5_62372552_f	0 NM_001098511
## 25756	NM_133172_intron_5_0_chr5_140561723_r	0 NM_133172
## 25755	NM_006051_intron_5_0_chr5_140561729_r	0 NM_006051
## 31395	NM_001277115_intron_75_0_chr7_21884411_f	0 NM_001277115
## 33362	NM_001256879_intron_1_0_chr7_44122196_r	0 NM_001256879
## 35067	NM_001184997_intron_6_0_chr7_156658571_f	0 NM_001184997
## 35067.1	NM_001184997_intron_6_0_chr7_156658571_f	0 NM_001184997
## 35068.1	NM_001184997_intron_7_0_chr7_156675864_f	0 NM_001184997
## 35731	NM_001352653_intron_3_0_chr8_17935318_f	0 NM_001352653
## 37261	NM_001301650_intron_3_0_chr8_23289926_f	0 NM_001301650
## 38463	NM_006007_intron_0_0_chr9_72360785_r	0 NM_006007
## 40838	NM_001354486_intron_8_0_chr9_122875369_r	0 NM_001354486
## 47392	NR_152792_intron_0_0_chr10_1546865_f	0 NR_152792
## 45337	NM_001242307_intron_16_0_chr10_3148064_r	0 NM_001242307
## 48180	NM_001283014_intron_5_0_chr10_73125244_f	0 NM_001283014
## 46842	NM_001351010_intron_2_0_chr10_98157574_f	0 NM_001351010
## 46826	NM_001322481_intron_13_0_chr10_98422514_r	0 NM_001322481
## 48700	NR_160739_intron_2_0_chr10_100990664_f	0 NR_160739
## 48700.1	NR_160739_intron_2_0_chr10_100990664_f	0 NR_160739
## 51226	NM_002458_intron_7_0_chr11_1228766_f	0 NM_002458
## 49331	NM_001363464_intron_5_0_chr11_11332832_r	0 NM_001363464
## 52470	NR_135761_intron_0_0_chr11_66348071_f	0 NR_135761
## 53490	NM_001258247_intron_1_0_chr11_125102303_r	0 NM_001258247

##	55985	NM_001144856_intron_12_0_chr12_6319109_f	0	NM_001144856
##	55990	NR_169278_intron_13_0_chr12_6319674_f	0	NR_169278
##	56025	NM_001146316_intron_0_0_chr12_6872987_r	0	NM_001146316
##	56135	NM_001207024_intron_3_0_chr12_8941941_r	0	NM_001207024
##	57395	NM_001303511_intron_0_0_chr12_96255551_f	0	NM_001303511
##	57552	NM_001319666_intron_3_0_chr12_106967402_f	0	NM_001319666
##	57719	NM_001303627_intron_0_0_chr12_120688435_f	0	NM_001303627
##	58966	NR_158454_intron_0_0_chr13_24541004_r	0	NR_158454
##	58258	NM_001184993_intron_34_0_chr13_24879296_f	0	NM_001184993
##	60208	NM_001220484_intron_13_0_chr14_73496680_r	0	NM_001220484
##	61786	NM_001100119_intron_0_0_chr14_103712969_r	0	NM_001100119
##	63977	NM_001258031_intron_4_0_chr15_43797357_r	0	NM_001258031
##	63974	NM_001258032_intron_1_0_chr15_43799138_r	0	NM_001258032
##	62231	NM_001145923_intron_6_0_chr15_76793392_r	0	NM_001145923
##	66208	NM_001378033_intron_3_0_chr16_724510_r	0	NM_001378033
##	66247	NM_001040439_intron_7_0_chr16_1748722_f	0	NM_001040439
##	67470	NM_178516_intron_4_0_chr16_67187139_r	0	NM_178516
##	67790	NM_001243160_intron_8_0_chr16_84180345_r	0	NM_001243160
##	67858	NR_120309_intron_1_0_chr16_87773590_r	0	NR_120309
##	69309	NM_001014985_intron_2_0_chr17_4789678_f	0	NM_001014985
##	70742	NM_001330230_intron_3_0_chr17_43013374_f	0	NM_001330230
##	70743	NM_005533_intron_3_0_chr17_43013380_f	0	NM_005533
##	70941	NM_001261391_intron_1_0_chr17_48841888_f	0	NM_001261391
##	69055	NM_001352691_intron_0_0_chr17_73092117_r	0	NM_001352691
##	71398	NM_001172704_intron_0_0_chr17_75246797_r	0	NM_001172704
##	71406	NM_001258_intron_0_0_chr17_76000968_f	0	NM_001258
##	74259	NR_038865_intron_0_0_chr19_3607410_f	0	NR_038865
##	74259.1	NR_038865_intron_0_0_chr19_3607410_f	0	NR_038865
##	75090	NR_110688_intron_1_0_chr19_27798177_f	0	NR_110688
##	75091	NR_110691_intron_0_0_chr19_27793651_f	0	NR_110691
##	75092	NR_110690_intron_0_0_chr19_27794123_f	0	NR_110690
##	75191	NM_001320912_intron_7_0_chr19_35166429_f	0	NM_001320912
##	75376	NM_001321918_intron_3_0_chr19_36384456_r	0	NM_001321918
##	75828	NM_001260488_intron_1_0_chr19_43988559_f	0	NM_001260488
##	76340	NM_001290151_intron_2_0_chr19_50798948_r	0	NM_001290151
##	77041	NM_001204818_intron_2_0_chr19_57841797_f	0	NM_001204818
##	77041.1	NM_001204818_intron_2_0_chr19_57841797_f	0	NM_001204818
##	79749	NM_001385055_intron_8_0_chr21_33263271_f	0	NM_001385055
##		eej_id ss ss_start ss_end snp_id		
##	3640	chr1:922509-922672_str-	5 922666 922674	1:922671_C/T
##	5377	chr1:74733531-74736542_str+	5 74733529 74733537	1:74733530_G/A
##	7579	chr1:212238976-212284979_str-	5 212284973 212284981	1:212284975_G/T
##	7838	chr1:244969979-244970812_str-	5 244970806 244970814	1:244970812_A/C
##	7845	chr1:246566789-246591512_str+	5 246566787 246566795	1:246566788_G/C
##	12342	chr2:63842599-63856306_str+	5 63842597 63842605	2:63842598_G/A
##	16256	chr3:125331238-125338822_str-	5 125338816 125338824	3:125338817_T/C
##	18358	chr3:125498194-125520032_str-	5 125520026 125520034	3:125520031_C/T
##	21880	chr4:78922494-78923857_str-	5 78923851 78923859	4:78923853_C/A
##	21882	chr4:78922983-78923857_str-	5 78923851 78923859	4:78923853_C/A
##	24055	chr5:127551878-127553797_str+	5 127551876 127551884	5:127551877_G/A
##	24478	chr5:160009190-160010500_str+	5 160009188 160009196	5:160009192_T/C
##	35068	chr7:156675863-156676419_str+	5 156675861 156675869	7:156675865_T/C
##	35074	chr7:156675863-156676295_str+	5 156675861 156675869	7:156675865_T/C
##	45335	chr10:3170206-3172182_str-	5 3172176 3172184	10:3172177_A/G

## 50402	chr11:64225869-64226062_str-	5	64226056	64226064	11:64226062_G/C
## 50532	chr11:74851203-74852034_str-	5	74852028	74852036	11:74852032_G/A
## 53542	chr11:126269415-126271437_str+	5	126269413	126269421	11:126269418_T/A
## 57100	chr12:57623913-57624003_str+	5	57623911	57623919	12:57623918_T/G
## 57359	chr12:93378693-93394609_str+	5	93378691	93378699	12:93378693_C/T
## 64479	chr15:74788577-74790817_str+	5	74788575	74788583	15:74788575_C/T
## 62235	chr15:76883876-76904614_str-	5	76904608	76904616	15:76904612_G/A
## 64823	chr15:89400372-89410555_str+	5	89400370	89400378	15:89400370_G/T
## 68749	chr17:46923632-46929520_str+	5	46923630	46923638	17:46923631_G/A
## 69200	chr17:81651685-81663059_str-	5	81663053	81663061	17:81663061_C/T
## 69201	chr17:81653364-81663059_str-	5	81663053	81663061	17:81663061_C/T
## 71841	chr18:3262784-3272884_str+	5	3262782	3262790	18:3262786_C/T
## 71788	chr18:57695532-57697618_str-	5	57697612	57697620	18:57697620_A/G
## 74495	chr19:9380139-9380589_str+	5	9380137	9380145	19:9380138_C/T
## 76328	chr19:50802614-50803553_str-	5	50803547	50803555	19:50803549_T/C
## 81463	chr22:45164758-45168168_str+	5	45164756	45164764	22:45164760_T/C
## 80546	chr22:50060152-50061538_str-	5	50061532	50061540	22:50061535_T/C
## 44378	chrX:153347655-153347754_str+	5	153347653	153347661	X:153347654_C/T
## 4583	chr1:28736809-28737047_str+	3	28737027	28737049	1:28737047_A/C
## 4816	chr1:37583933-37590706_str-	3	37583931	37583953	1:37583951_C/G
## 1281	chr1:51750195-51752503_str+	3	51752483	51752505	1:51752485_A/G
## 5231	chr1:54610555-54611606_str-	3	54610553	54610575	1:54610565_C/A
## 5336	chr1:65420740-65421328_str+	3	65421308	65421330	1:65421330_A/C
## 1860	chr1:99850618-99851035_str+	3	99851015	99851037	1:99851033_A/G
## 13088	chr2:113969603-113970629_str+	3	113970609	113970631	2:113970631_G/A
## 13557	chr2:165863065-165870797_str-	3	165863063	165863085	2:165863084_A/G
## 10555	chr2:172469380-172472774_str+	3	172472754	172472776	2:172472767_C/T
## 14500	chr2:241315982-241320205_str+	3	241320185	241320207	2:241320199_G/A
## 15542	chr3:47916541-47918719_str-	3	47916539	47916561	3:47916547_G/T
## 17867	chr3:52291111-52291745_str+	3	52291725	52291747	3:52291743_A/G
## 15974	chr3:105715313-105720047_str-	3	105715311	105715333	3:105715322_T/A
## 18513	chr3:134486556-134488019_str+	3	134487999	134488021	3:134488003_G/A
## 18515	chr3:134486052-134488019_str+	3	134487999	134488021	3:134488003_G/A
## 18892	chr3:183635782-183643480_str+	3	183643460	183643482	3:183643468_T/C
## 18933	chr3:184177611-184178851_str+	3	184178831	184178853	3:184178853_T/C
## 23527	chr5:62372551-62373687_str+	3	62373667	62373689	5:62373676_T/C
## 25756	chr5:140561722-140562100_str-	3	140561720	140561742	5:140561733_A/G
## 25755	chr5:140561728-140562100_str-	3	140561726	140561748	5:140561733_A/G
## 31395	chr7:21884410-21892425_str+	3	21892405	21892427	7:21892426_C/T
## 33362	chr7:44122195-44122282_str-	3	44122193	44122215	7:44122210_A/G
## 35067	chr7:156658570-156675696_str+	3	156675676	156675698	7:156675683_G/C
## 35067.1	chr7:156658570-156675696_str+	3	156675676	156675698	7:156675684_C/A
## 35068.1	chr7:156675863-156676419_str+	3	156676399	156676421	7:156676402_C/T
## 35731	chr8:17935317-17935589_str+	3	17935569	17935591	8:17935575_A/G
## 37261	chr8:23289925-23290052_str+	3	23290032	23290054	8:23290051_G/A
## 38463	chr9:72360784-72364696_str-	3	72360782	72360804	9:72360795_T/C
## 40838	chr9:122875368-122877471_str-	3	122875366	122875388	9:122875369_T/C
## 47392	chr10:1546864-1548081_str+	3	1548061	1548083	10:1548061_T/C
## 45337	chr10:3148063-3148168_str-	3	3148061	3148083	10:3148073_A/G
## 48180	chr10:73125243-73130703_str+	3	73130683	73130705	10:73130691_T/A
## 46842	chr10:98157573-98159217_str+	3	98159197	98159219	10:98159219_A/G
## 46826	chr10:98422513-98423603_str-	3	98422511	98422533	10:98422528_T/C
## 48700	chr10:100990663-100990869_str+	3	100990849	100990871	10:100990864_C/T
## 48700.1	chr10:100990663-100990869_str+	3	100990849	100990871	10:100990866_T/C

##	51226	chr11:1228765-1229170_str+	3	1229150	1229172	11:1229154_A/G
##	49331	chr11:11332831-11372515_str-	3	11332829	11332851	11:11332846_A/G
##	52470	chr11:66348070-66363269_str+	3	66363249	66363271	11:66363265_A/G
##	53490	chr11:125102302-125102734_str-	3	125102300	125102322	11:125102312_A/G
##	55985	chr12:6319108-6326428_str+	3	6326408	6326430	12:6326409_C/T
##	55990	chr12:6319673-6326428_str+	3	6326408	6326430	12:6326409_C/T
##	56025	chr12:6872986-6873215_str-	3	6872984	6873006	12:6872998_C/T
##	56135	chr12:8941940-8943801_str-	3	8941938	8941960	12:8941952_A/G
##	57395	chr12:96255550-96259731_str+	3	96259711	96259733	12:96259723_C/T
##	57552	chr12:106967401-106971105_str+	3	106971085	106971107	12:106971095_C/T
##	57719	chr12:120688434-120694091_str+	3	120694071	120694093	12:120694088_C/T
##	58966	chr13:24541003-24541327_str-	3	24541001	24541023	13:24541019_C/G
##	58258	chr13:24879295-24879737_str+	3	24879717	24879739	13:24879728_A/G
##	60208	chr14:73496679-73498155_str-	3	73496677	73496699	14:73496679_T/C
##	61786	chr14:103712968-103715424_str-	3	103712966	103712988	14:103712977_T/C
##	63977	chr15:43797356-43797920_str-	3	43797354	43797376	15:43797367_A/G
##	63974	chr15:43799137-43799310_str-	3	43799135	43799157	15:43799153_A/T
##	62231	chr15:76793391-76795280_str-	3	76793389	76793411	15:76793399_C/A
##	66208	chr16:724509-725078_str-	3	724507	724529	16:724520_C/T
##	66247	chr16:1748721-1752534_str+	3	1752514	1752536	16:1752517_A/G
##	67470	chr16:67187138-67187225_str-	3	67187136	67187158	16:67187147_A/G
##	67790	chr16:84180344-84180868_str-	3	84180342	84180364	16:84180359_G/A
##	67858	chr16:87773589-87777868_str-	3	87773587	87773609	16:87773589_C/T
##	69309	chr17:4789677-4789759_str+	3	4789739	4789761	17:4789759_G/A
##	70742	chr17:43013373-43013476_str+	3	43013456	43013478	17:43013476_A/G
##	70743	chr17:43013379-43013476_str+	3	43013456	43013478	17:43013476_A/G
##	70941	chr17:48841887-48846034_str+	3	48846014	48846036	17:48846022_G/A
##	69055	chr17:73092116-73092495_str-	3	73092114	73092136	17:73092126_A/G
##	71398	chr17:75246796-75262282_str-	3	75246794	75246816	17:75246814_A/G
##	71406	chr17:76000967-76001412_str+	3	76001392	76001414	17:76001393_G/A
##	74259	chr19:3607409-3611200_str+	3	3611180	3611202	19:3611188_C/T
##	74259.1	chr19:3607409-3611200_str+	3	3611180	3611202	19:3611192_C/A
##	75090	chr19:27798176-27805605_str+	3	27805585	27805607	19:27805597_A/G
##	75091	chr19:27793650-27805605_str+	3	27805585	27805607	19:27805597_A/G
##	75092	chr19:27794122-27805605_str+	3	27805585	27805607	19:27805597_A/G
##	75191	chr19:35166428-35169566_str+	3	35169546	35169568	19:35169547_T/C
##	75376	chr19:36384455-36405580_str-	3	36384453	36384475	19:36384460_A/C
##	75828	chr19:43988558-43990024_str+	3	43990004	43990026	19:43990004_T/C
##	76340	chr19:50798947-50799294_str-	3	50798945	50798967	19:50798945_T/A
##	77041	chr19:57841796-57844256_str+	3	57844236	57844258	19:57844252_A/G
##	77041.1	chr19:57841796-57844256_str+	3	57844236	57844258	19:57844254_A/G
##	79749	chr21:33263270-33264934_str+	3	33264914	33264936	21:33264916_A/G
##		snp_pos snp_ref snp_alt snp_pos_in_ss				refseq
##	3640	922671	C	T	5	CAGGCAAGG
##	5377	74733530	G	A	1	GGGGTGGTC
##	7579	212284975	G	T	2	AGGGTGCGT
##	7838	244970812	A	C	6	GATGCAAGG
##	7845	246566788	G	C	1	CGGGTGAGG
##	12342	63842598	G	A	1	CGGGTGGGT
##	16256	125338817	T	C	1	AAGGTGAAA
##	18358	125520031	C	T	5	ACGGTGAGG
##	21880	78923853	C	A	2	CAGGTAGGT
##	21882	78923853	C	A	2	CAGGTAGGT
##	24055	127551877	G	A	1	CGGGCATGT

##	24478	160009192	T	C	4	GAGGTTGTG
##	35068	156675865	T	C	4	CAGGTAGGT
##	35074	156675865	T	C	4	CAGGTAGGT
##	45335	3172177	A	G	1	AAGGTAATA
##	50402	64226062	G	C	6	ACCGTGTGA
##	50532	74852032	G	A	4	TCTGCGAGT
##	53542	126269418	T	A	5	GGGGTTAGC
##	57100	57623918	T	G	7	AAGGTAATG
##	57359	93378693	C	T	2	CGCGTAAGT
##	64479	74788575	C	T	0	CTGGTAACA
##	62235	76904612	G	A	4	CAGGCGCGT
##	64823	89400370	G	T	0	GAGGTAAGA
##	68749	46923631	G	A	1	AGGGCACGT
##	69200	81663061	C	T	8	GAAGTAAGA
##	69201	81663061	C	T	8	GAAGTAAGA
##	71841	3262786	C	T	4	CATGCCGGT
##	71788	57697620	A	G	8	TGGGTAAGT
##	74495	9380138	C	T	1	ACGGTAAGA
##	76328	50803549	T	C	2	AAAGTAAGT
##	81463	45164760	T	C	4	GAGGTAGGG
##	80546	50061535	T	C	3	CAAGCATGG
##	44378	153347654	C	T	1	GCGGCCAGT
##	4583	28737047	A	C	20	GCCTCCGCCTGCTCCCGCAGACG
##	4816	37583951	C	G	20	TGGGGTGCTTTCTTATTTAGAAA
##	1281	51752485	A	G	2	TTATTGACTGTCTACCCTAGAGT
##	5231	54610565	C	A	12	GGCGATTTGGGGCCCCACAGTGA
##	5336	65421330	A	C	22	TTTTCTCTGTTTATGGACAGAGA
##	1860	99851033	A	G	18	AAAGATTTCAAATCCTCTAGAAG
##	13088	113970631	G	A	22	TCTTCTCCCTTTGTTGACAGATG
##	13557	165863084	A	G	21	GTCTGAACTGTCTATTACCAGCAC
##	10555	172472767	C	T	13	CGTCCCGTGCATGCGTACAGGCC
##	14500	241320199	G	A	14	TTTCCCTTTTCTCTGTAGAGGCT
##	15542	47916547	G	T	8	TGACATTATATCATCCACAGAAA
##	17867	52291743	A	G	18	GATACCCTCATTGTCTTGAGAGG
##	15974	105715322	T	A	11	TATTTTGTGATACTAACTAGAAT
##	18513	134488003	G	A	4	CTTTGTGTCCTCTAAACCAGGGG
##	18515	134488003	G	A	4	CTTTGTGTCCTCTAAACCAGGGG
##	18892	183643468	T	C	8	CTATTCTTTCTTTATTTTAGGTG
##	18933	184178853	T	C	22	AGGCCCTATGCACTCTTTCCCT
##	23527	62373676	T	C	9	TACCTCTTATGTATTTATAGGGT
##	25756	140561733	A	G	13	CTAACCAGCTTCTACCCCAGCCC
##	25755	140561733	A	G	7	CTGCCTCTAACCAGCTTCTACCC
##	31395	21892426	C	T	21	CTTTTCCTTTGTGGTTCAAGACT
##	33362	44122210	A	G	17	TGTTCTCCTTCTTTTCCCAGTAT
##	35067	156675683	G	C	7	CGCCCCCGCCTCCTCCTCAGTTC
##	35067.1	156675684	C	A	8	CGCCCCCGCCTCCTCCTCAGTTC
##	35068.1	156676402	C	T	3	TCCCGTCTGTGTGCCGAGGCT
##	35731	17935575	A	G	6	GTTCTTAACTTGTTTCGCAGAGA
##	37261	23290051	G	A	19	GTGCCCCGGGTGCTGCGCAGGCA
##	38463	72360795	T	C	13	TTTCGTTTCATCTATAGCAGAAA
##	40838	122875369	T	C	3	TGTTTGTCTATCTTACATAAGTG
##	47392	1548061	T	C	0	TGCTGTGGTCTGTACACAGACA
##	45337	3148073	A	G	12	CTGTGTTTCTTTGGTTTCAGGGT
##	48180	73130691	T	A	8	TTCTTCCTTATGTCTTTCAGATC

## 46842	98159219	A	G	22	AGGTTATTCATTTTTGGCAGGAA
## 46826	98422528	T	C	17	ACCTTAACTCAGACCTTCACCTA
## 48700	100990864	C	T	15	GTGTTGTTGGGATGGCGTAGGAT
## 48700.1	100990866	T	C	17	GTGTTGTTGGGATGGCGTAGGAT
## 51226	1229154	A	G	4	CCCCACCTCCTTTTGGCGAGCCC
## 49331	11332846	A	G	17	GCTTCTGCGTCCCTGTGCAGGAC
## 52470	66363265	A	G	16	TGGTGATTCTTCCCCACAGCAC
## 53490	125102312	A	G	12	GGGAGTGTGTTGCACTGGAGCAC
## 55985	6326409	C	T	1	ACGAAAGTGTCTGTCCCAGGCC
## 55990	6326409	C	T	1	ACGAAAGTGTCTGTCCCAGGCC
## 56025	6872998	C	T	14	TTCTCCCAGCTCCCTTCCAGGTC
## 56135	8941952	A	G	14	TCTTTTTTTTCCCCCTACAGGAT
## 57395	96259723	C	T	12	CTGTTTGCTTTACTTCCCAGACA
## 57552	106971095	C	T	10	ATGATATTTTCTCTCATTAGGTT
## 57719	120694088	C	T	17	TCTTTGTCTTTTGTCTCAGCCT
## 58966	24541019	C	G	18	AGTGGACACTCTCCCGGCAGGCC
## 58258	24879728	A	G	11	TAACACATTTTATTTTTCAGGTA
## 60208	73496679	T	C	2	AAGCCCTTCTTATCTTTCAGAGA
## 61786	103712977	T	C	11	AGGAGGTCGTCACTAAACAGACT
## 63977	43797367	A	G	13	TGCCCCTTTCCACCCTTAGGCA
## 63974	43799153	A	T	18	TCTCTCACACACACTCCCAGATC
## 62231	76793399	C	A	10	TACTGCCTTGTTGTTTCCAGTGA
## 66208	724520	C	T	13	ACCCAGCCCGCCGCCTCCAGGAG
## 66247	1752517	A	G	3	AGGAGGATCACCTGCGCCTAGGA
## 67470	67187147	A	G	11	ACCAGGCCACCTATCTCCAGGCA
## 67790	84180359	G	A	17	CCTTCCTTCTCGGGCCCCAGTTC
## 67858	87773589	C	T	2	CTTCCCTATCTTTGCATCAGGTA
## 69309	4789759	G	A	20	TCAAATCGTCTCGCCCGCAGGTT
## 70742	43013476	A	G	20	CCCTTGCTGTCTCCCCCTAGATG
## 70743	43013476	A	G	20	CCCTTGCTGTCTCCCCCTAGATG
## 70941	48846022	G	A	8	TCTCCCCAGTGTTCTTTCAGTGT
## 69055	73092126	A	G	12	CATTTCTAACTAATTCCCAGGTT
## 71398	75246814	A	G	20	CTTCTTTGTGTGTGTGCAAGATA
## 71406	76001393	G	A	1	CGGTGCCTTCTGTTTCCCAGGCA
## 74259	3611188	C	T	8	GGTTCACGACCTTGACAGAGA
## 74259.1	3611192	C	A	12	GGTTCACGACCTTGACAGAGA
## 75090	27805597	A	G	12	CTGCATTTGTGCACCTCCAGGTC
## 75091	27805597	A	G	12	CTGCATTTGTGCACCTCCAGGTC
## 75092	27805597	A	G	12	CTGCATTTGTGCACCTCCAGGTC
## 75191	35169547	T	C	1	ATCATTTCTTTCACCCACAGGTG
## 75376	36384460	A	C	7	ATTCCCAATACCTATTGCAGATG
## 75828	43990004	T	C	0	TGATTTGTTCCCCAAATCAGATT
## 76340	50798945	T	A	0	CCCTGACAGCATCCCTCCAGACA
## 77041	57844252	A	G	16	CATGCCTGTAATCCCAACACTTT
## 77041.1	57844254	A	G	18	CATGCCTGTAATCCCAACACTTT
## 79749	33264916	A	G	2	CCAGGAAGCGGAGGTTGCAGTGA
##		altseq			
## 3640		CAGACAAGG			
## 5377		GAGGTGGTC			
## 7579		AGGCTGAGT			
## 7838		GAGGCAAGG			
## 7845		CCGGTGAGG			
## 12342		CAGGTGGGT			
## 16256		AAGGTGAGA			

```

## 18358      ACGATGAGG
## 21880      CAGGTATGT
## 21882      CAGGTATGT
## 24055      CAGGCATGT
## 24478      GAGGCTGTG
## 35068      CAGGCAGGT
## 35074      CAGGCAGGT
## 45335      AAGGTAACA
## 50402      ACGGTGTGA
## 50532      TCTGTGAGT
## 53542      GGGGTAAGC
## 57100      AAGGTAAGG
## 57359      CGTGTAAGT
## 64479      TTGGTAACA
## 62235      CAGGTGCGT
## 64823      TAGGTAAGA
## 68749      AAGGCACGT
## 69200      AAAGTAAGA
## 69201      AAAGTAAGA
## 71841      CATGTCGGT
## 71788      CGGGTAAGT
## 74495      ATGGTAAGA
## 76328      AAAGTAGGT
## 81463      GAGGCAGGG
## 80546      CAAGCGTGG
## 44378      GTGGCCAGT
## 4583       GCCTCCGCCTGCTCCCGCAGCCG
## 4816       TGCGGTGCTTTCTTATTTAGAAA
## 1281       TTGTTGACTGTCTACCCTAGAGT
## 5231       GGCGATTTGGTGCCCCACAGTGA
## 5336       TTTTCTCTGTTTATGGACAGAGC
## 1860       AAAGATTTCAAATCCTCTGGAAG
## 13088      TCTTCTCCCTTTGTTGACAGATA
## 13557      GCCTGAACTGTCATTACCAGCAC
## 10555      CGTCCCGTGCATGTGTACAGGCC
## 14500      TTTCCCTTTTCTCTATAGAGGCT
## 15542      TGACATTATATCATACACAGAAA
## 17867      GATACCCTCATTGTCTTGGGAGG
## 15974      TATTTTGTGATTCTAACTAGAAT
## 18513      CTTTATGTCCTCTAAACCAGGGG
## 18515      CTTTATGTCCTCTAAACCAGGGG
## 18892      CTATTCTTCCTTTATTTTAGGTG
## 18933      AGGCCCTATGCACTCTTTCCCC
## 23527      TACCTCTTACGTATTTATAGGGT
## 25756      CTAACCAGCCTCTACCCAGCCC
## 25755      CTGCCTCTAACCAGCCTCTACCC
## 31395      CTTTCCCTTTGTGGTTCAAGATT
## 33362      TGTTCCCTTCTTTTCCAGTAT
## 35067      CGCCCCCCTCCTCCTCAGTTC
## 35067.1    CGCCCCGACTCCTCCTCAGTTC
## 35068.1    TCCTGTCTGTGTGCCGAGGCT
## 35731      GTTCTTGACTTGTTTCGAGAGA
## 37261      GTGCCCCGGGTGCTGCGCAAGCA
## 38463      TTTCGTTTCGTCTATAGCAGAAA

```

```

## 40838   TGTTTGTCTATCTTACATAGGTG
## 47392   CGCTGTGGTCTGTACACAGACA
## 45337   CTGTGTTTTCTTGGTTCAGGGT
## 48180   TTCTTCCTAATGTCTTTCAGATC
## 46842   AGGTTATTCATTTTTGGCAGGAG
## 46826   ACCTTGACTCAGACCTTCACCTA
## 48700   GTGTTGTTGGGATGGGTAGGAT
## 48700.1 GTGTTGTTGGGATGGCGCAGGAT
## 51226   CCCC GCCTCCTTTTGGCGAGCCC
## 49331   GCTTCCGCGTCCCTGTGCAGGAC
## 52470   TGGTGATTCTTCCCCGCAGCAC
## 53490   GGGAGTGTGTCGCACTGGAGCAC
## 55985   ATGAAAGTGTCTGTCCCAGGCC
## 55990   ATGAAAGTGTCTGTCCCAGGCC
## 56025   TTCTCCCAACTCCCTTCCAGGTC
## 56135   TCTTTTTTCTCCCCCTACAGGAT
## 57395   CTGTTTGCTTTATTTCCCAGACA
## 57552   ATGATATTTTTTCTCATTAGGTT
## 57719   TCTTTGTCTTTTGTCTTAGCCT
## 58966   AGTGCACACTCTCCCGGCAGGCC
## 58258   TAACACATTTTGTTCAGGTA
## 60208   AAGCCCTTCTTATCTTTCAGGGA
## 61786   AGGAGGTCGTCGCTAAACAGACT
## 63977   TGCCCACTTCCCACCCTTAGGCA
## 63974   TCTCACACACACACTCCCAGATC
## 62231   TACTGCCTTGTTTTTCCAGTGA
## 66208   ACCCAGCCCACCGCTCCAGGAG
## 66247   AGGGGGATCACCTGCGCCTAGGA
## 67470   ACCAGGCCACCCATCTCCAGGCA
## 67790   CCTTCTTTCTCGGGCCCCAGTTC
## 67858   CTTCCCTATCTTTGCATCAGATA
## 69309   TCAAATCGTCTCGCCCGCAGATT
## 70742   CCCTTGCTGTCTCCCCCTAGGTG
## 70743   CCCTTGCTGTCTCCCCCTAGGTG
## 70941   TCTCCCCAATGTTCTTTCAGTGT
## 69055   CATTTCTAACCAATTCCAGGTT
## 71398   CTCCTTTGTTGTGTTGCAAGATA
## 71406   CAGTGCCTTCTGTTTCCAGGCA
## 74259   GGTTCCCATGACCTTGACAGAGA
## 74259.1 GGTTCCACGACATTGACAGAGA
## 75090   CTGCATTTGTGCGCCTCCAGGTC
## 75091   CTGCATTTGTGCGCCTCCAGGTC
## 75092   CTGCATTTGTGCGCCTCCAGGTC
## 75191   ACCATTTCTTTCACCCACAGGTG
## 75376   ATCCCAATACCTATGGCAGATG
## 75828   CGATTTGTTCCCCAAATCAGATT
## 76340   CCCTGACAGCATCCCTCCAGACT
## 77041   CATGCCTGTAATCCCAGCACTTT
## 77041.1 CATGCCTGTAATCCCAACGCTTT
## 79749   CCGGGAAGCGGAGGTTGCAGTGA

```

```

ucsc_nas_common_5ss_plus <- ucsc_nas_common[(ucsc_nas_common$ss == 5 & ucsc_nas_common$strand == '+'),]
ucsc_nas_common_5ss_minus <- ucsc_nas_common[(ucsc_nas_common$ss == 5 & ucsc_nas_common$strand == '-'),]
ucsc_nas_common_3ss_plus <- ucsc_nas_common[(ucsc_nas_common$ss == 3 & ucsc_nas_common$strand == '+'),]

```

```

ucsc_nas_common_3ss_minus <- ucsc_nas_common[(ucsc_nas_common$ss == 3 & ucsc_nas_common$strand == '-'),]

ucsc_combined <- rbind(
  data.frame(snp_pos_in_ss = ucsc_nas_common_5ss_plus$snp_pos_in_ss, group = "5SS +"),
  data.frame(snp_pos_in_ss = ucsc_nas_common_5ss_minus$snp_pos_in_ss, group = "5SS -"),
  data.frame(snp_pos_in_ss = ucsc_nas_common_3ss_plus$snp_pos_in_ss, group = "3SS +"),
  data.frame(snp_pos_in_ss = ucsc_nas_common_3ss_minus$snp_pos_in_ss, group = "3SS -")
)

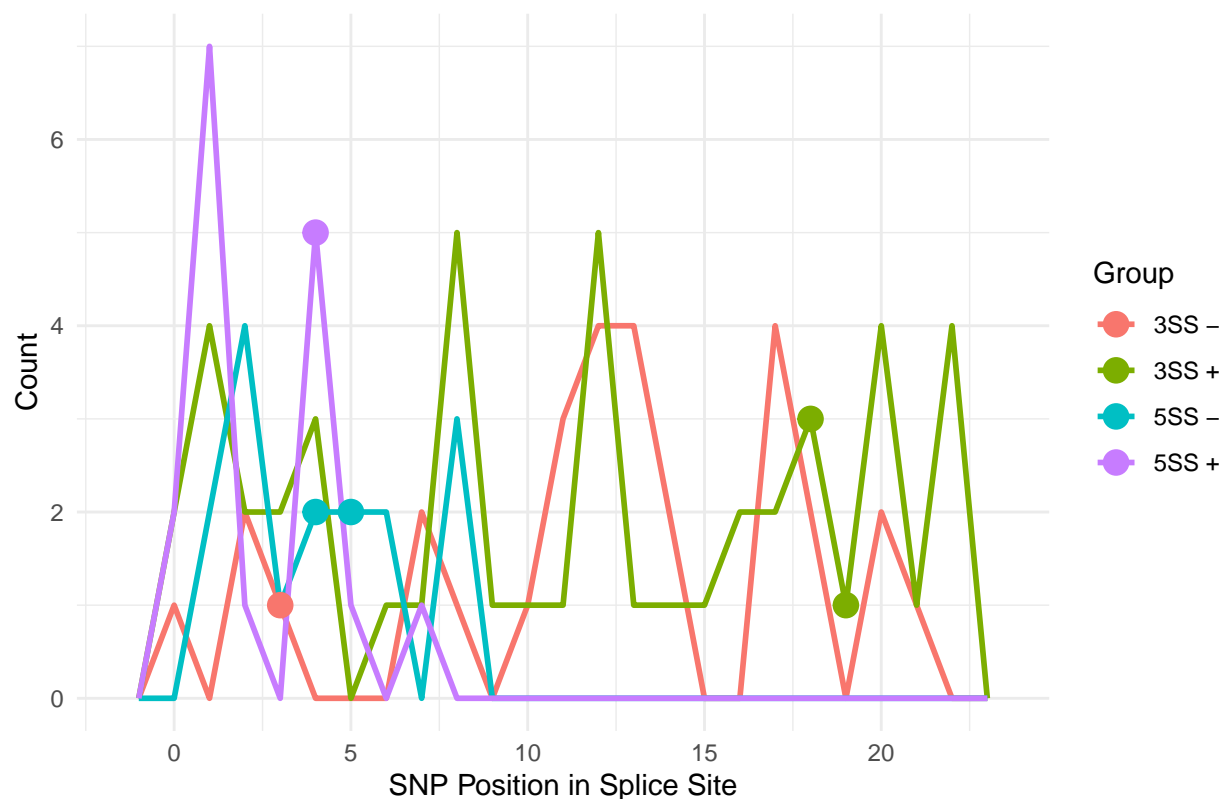
ucsc_counts <- ucsc_combined %>%
  group_by(group, snp_pos_in_ss) %>%
  summarise(count = n(), .groups = "drop")

ucsc_dinucleotide_counts <- ucsc_counts %>%
  filter(
    (group == "5SS +" & (snp_pos_in_ss == 3 | snp_pos_in_ss == 4)) | # GU for 5SS +
    (group == "5SS -" & (snp_pos_in_ss == 4 | snp_pos_in_ss == 5)) | # GU for 5SS -
    (group == "3SS +" & (snp_pos_in_ss == 18 | snp_pos_in_ss == 19)) | # AG for 3SS +
    (group == "3SS -" & (snp_pos_in_ss == 3 | snp_pos_in_ss == 4)) # AG for 3SS -
  )

ggplot(ucsc_combined, aes(x = snp_pos_in_ss, color = group)) +
  geom_freqpoly(binwidth = 1, linewidth = 1) + # Main frequency lines
  geom_point(
    data = ucsc_dinucleotide_counts,
    aes(x = snp_pos_in_ss, y = count, color = group),
    size = 4, shape = 19
  ) +
  labs(
    title = "Frequency Plot of SNP Positions with Splice Site Dinucleotides",
    x = "SNP Position in Splice Site",
    y = "Count",
    color = "Group"
  ) +
  theme_minimal()

```

Frequency Plot of SNP Positions with Splice Site Dinucleotides



Save SNVs which are in dinucleotides in SSs unique to UCSC source.

Load list of expressed genes (leg):

```
leg <- readTxt(file.path(fd, "RUNX1-RUNX1T1 project, list of expressed genes"))
head(leg)
```

##	gene_id	seqnames	start	end	strand	width	gene_symbol
## 1	ENSG000000000419	chr20	50934867	50958555	-	23689	DPM1
## 2	ENSG000000000457	chr1	169849631	169894267	-	44637	SCYL3
## 3	ENSG000000000460	chr1	169662007	169854080	+	192074	C1orf112
## 4	ENSG000000000938	chr1	27612064	27635277	-	23214	FGR
## 5	ENSG000000001036	chr6	143494811	143511690	-	16880	FUCA2
## 6	ENSG000000001084	chr6	53497341	53616970	-	119630	GCLC
##							gene_name previous_symbol
## 1	dolichyl-phosphate mannosyltransferase subunit 1, catalytic						
## 2	SCY1 like pseudokinase 3						
## 3	chromosome 1 open reading frame 112						
## 4	FGR proto-oncogene, Src family tyrosine kinase						SRC2
## 5	alpha-L-fucosidase 2						
## 6	glutamate-cysteine ligase catalytic subunit						GLCLC, GLCL
##							synonyms uniprot_id refseq_id ncbi_gene_id hgnc_id
## 1	MPDS, CDGIE	060762	NM_003859	8813			HGNC:3005
## 2	PACE-1, PACE1	Q8IZE3	NM_181093	57147			HGNC:19285
## 3	FLJ10706	Q9NSG2	NM_018186	55732			HGNC:25565
## 4	c-fgr, p55c-fgr	P09769	NM_005248	2268			HGNC:3697

```
## 5 MGC1314, dJ20N2.5      Q9BTY2 NM_032020      2519 HGNC:4008
## 6                      GCS      P48506      2729 HGNC:4311
```

Annotate and save the dataframe:

```
ucsc_nas_common_dinucl <- rbind(
  ucsc_nas_common[ucsc_nas_common$ss == "5" &
    ucsc_nas_common$strand == "+" &
    (ucsc_nas_common$snp_pos_in_ss %in% c("3", "4")),],
  ucsc_nas_common[ucsc_nas_common$ss == "5" &
    ucsc_nas_common$strand == "-" &
    (ucsc_nas_common$snp_pos_in_ss %in% c("4", "5")),],
  ucsc_nas_common[ucsc_nas_common$ss == "3" &
    ucsc_nas_common$strand == "+" &
    (ucsc_nas_common$snp_pos_in_ss %in% c("18", "19")),],
  ucsc_nas_common[ucsc_nas_common$ss == "3" &
    ucsc_nas_common$strand == "-" &
    (ucsc_nas_common$snp_pos_in_ss %in% c("3", "4")),])

leg_dinucl <- leg[match(ucsc_nas_common_dinucl$refseq_id, leg$refseq_id),]
ucsc_nas_common_dinucl$gene_symbol <- leg_dinucl$gene_symbol
ucsc_nas_common_dinucl$gene_name <- leg_dinucl$gene_name

write.table(ucsc_nas_common_dinucl, file=file.path(fd, "ucsc_nas_common_dinucleotides.txt"), sep='\t')
ucsc_nas_common_dinucl
```

```
##      seqnames      start      end width strand
## 24478      5 160009190 160010500  1309      +
## 35068      7 156675863 156676419   555      +
## 35074      7 156675863 156676295   431      +
## 71841     18  3262784   3272884 10099      +
## 81463     22 45164758 45168168  3409      +
## 3640      1   922509   922672   162      -
## 18358      3 125498194 125520032 21837      -
## 50532     11 74851203 74852034   830      -
## 62235     15 76883876 76904614 20737      -
## 1860      1 99850618 99851035   416      +
## 17867      3 52291111 52291745   633      +
## 37261      8 23289925 23290052   126      +
## 77041.1    19 57841796 57844256  2459      +
## 40838      9 122875368 122877471  2102      -
##                                     name score  refseq_id
## 24478 NM_001282500_intron_0_0_chr5_160009191_f      0 NM_001282500
## 35068 NM_001184997_intron_7_0_chr7_156675864_f      0 NM_001184997
## 35074 NM_001308273_intron_7_0_chr7_156675864_f      0 NM_001308273
## 71841 NM_001144945_intron_0_0_chr18_3262785_f      0 NM_001144945
## 81463 NM_153645_intron_0_0_chr22_45164759_f      0 NM_153645
## 3640  NR_168405_intron_3_0_chr1_922510_r      0 NR_168405
## 18358 NR_073435_intron_0_0_chr3_125498195_r      0 NR_073435
## 50532 NM_001378169_intron_8_0_chr11_74851204_r      0 NM_001378169
## 62235 NM_001353009_intron_1_0_chr15_76883877_r      0 NM_001353009
## 1860  NM_000644_intron_0_0_chr1_99850619_f      0 NM_000644
## 17867 NR_026699_intron_2_0_chr3_52291112_f      0 NR_026699
```

##	37261	NM_001301650_intron_3_0_chr8_23289926_f	0	NM_001301650		
##	77041.1	NM_001204818_intron_2_0_chr19_57841797_f	0	NM_001204818		
##	40838	NM_001354486_intron_8_0_chr9_122875369_r	0	NM_001354486		
##		eej_id ss ss_start ss_end snp_id				
##	24478	chr5:160009190-160010500_str+	5	160009188 160009196 5:160009192_T/C		
##	35068	chr7:156675863-156676419_str+	5	156675861 156675869 7:156675865_T/C		
##	35074	chr7:156675863-156676295_str+	5	156675861 156675869 7:156675865_T/C		
##	71841	chr18:3262784-3272884_str+	5	3262782 3262790 18:3262786_C/T		
##	81463	chr22:45164758-45168168_str+	5	45164756 45164764 22:45164760_T/C		
##	3640	chr1:922509-922672_str-	5	922666 922674 1:922671_C/T		
##	18358	chr3:125498194-125520032_str-	5	125520026 125520034 3:125520031_C/T		
##	50532	chr11:74851203-74852034_str-	5	74852028 74852036 11:74852032_G/A		
##	62235	chr15:76883876-76904614_str-	5	76904608 76904616 15:76904612_G/A		
##	1860	chr1:99850618-99851035_str+	3	99851015 99851037 1:99851033_A/G		
##	17867	chr3:52291111-52291745_str+	3	52291725 52291747 3:52291743_A/G		
##	37261	chr8:23289925-23290052_str+	3	23290032 23290054 8:23290051_G/A		
##	77041.1	chr19:57841796-57844256_str+	3	57844236 57844258 19:57844254_A/G		
##	40838	chr9:122875368-122877471_str-	3	122875366 122875388 9:122875369_T/C		
##		snp_pos snp_ref snp_alt snp_pos_in_ss refseq				
##	24478	160009192	T	C	4	GAGGTTGTG
##	35068	156675865	T	C	4	CAGGTAGGT
##	35074	156675865	T	C	4	CAGGTAGGT
##	71841	3262786	C	T	4	CATGCCGGT
##	81463	45164760	T	C	4	GAGGTAGGG
##	3640	922671	C	T	5	CAGGCAAGG
##	18358	125520031	C	T	5	ACGGTGAGG
##	50532	74852032	G	A	4	TCTGCGAGT
##	62235	76904612	G	A	4	CAGGCGCGT
##	1860	99851033	A	G	18	AAAGATTTCAAATCCTCTAGAAG
##	17867	52291743	A	G	18	GATACCCTCATTGTCTTGAGAGG
##	37261	23290051	G	A	19	GTGCCCCGGGTGCTGCGCAGGCA
##	77041.1	57844254	A	G	18	CATGCCTGTAATCCCAACACTTT
##	40838	122875369	T	C	3	TGTTTGTCTATCTTACATAAGTG
##		altseq gene_symbol gene_name				
##	24478	GAGGCTGTG	<NA>	<NA>		
##	35068	CAGGCAGGT	<NA>	<NA>		
##	35074	CAGGCAGGT	<NA>	<NA>		
##	71841	CATGTCGGT	<NA>	<NA>		
##	81463	GAGGCAGGG	<NA>	<NA>		
##	3640	CAGACAAGG	<NA>	<NA>		
##	18358	ACGATGAGG	<NA>	<NA>		
##	50532	TCTGTGAGT	<NA>	<NA>		
##	62235	CAGGTGCGT	<NA>	<NA>		
##	1860	AAAGATTTCAAATCCTCTGGAAG	<NA>	<NA>		
##	17867	GATACCCTCATTGTCTTGGGAGG	<NA>	<NA>		
##	37261	GTGCCCCGGGTGCTGCGCAAGCA	<NA>	<NA>		
##	77041.1	CATGCCTGTAATCCCAACGCTTT	<NA>	<NA>		
##	40838	TGTTTGTCTATCTTACATAGGTG	<NA>	<NA>		