

```
library(dplyr)
```

```
##  
## Adjuntando el paquete: 'dplyr'  
  
## The following objects are masked from 'package:stats':  
##  
##     filter, lag  
  
## The following objects are masked from 'package:base':  
##  
##     intersect, setdiff, setequal, union
```

```
library(ggplot2)
```

```
## Warning: package 'ggplot2' was built under R version 4.4.3
```

```
library(stringr)
```

```
#Este es para leer el archivo
```

```
# xenopus <- read.delim(file.choose("xenopus.txt"), header = TRUE, sep = "\t");  
xenopus <- read.delim("C:/Users/Usuario/Documents/Alumnointerno/data/ncbi_dataset.tsv", header = TRUE, sep = "\t")
```

```
#Este es para agruparlos en los tipos de genes
```

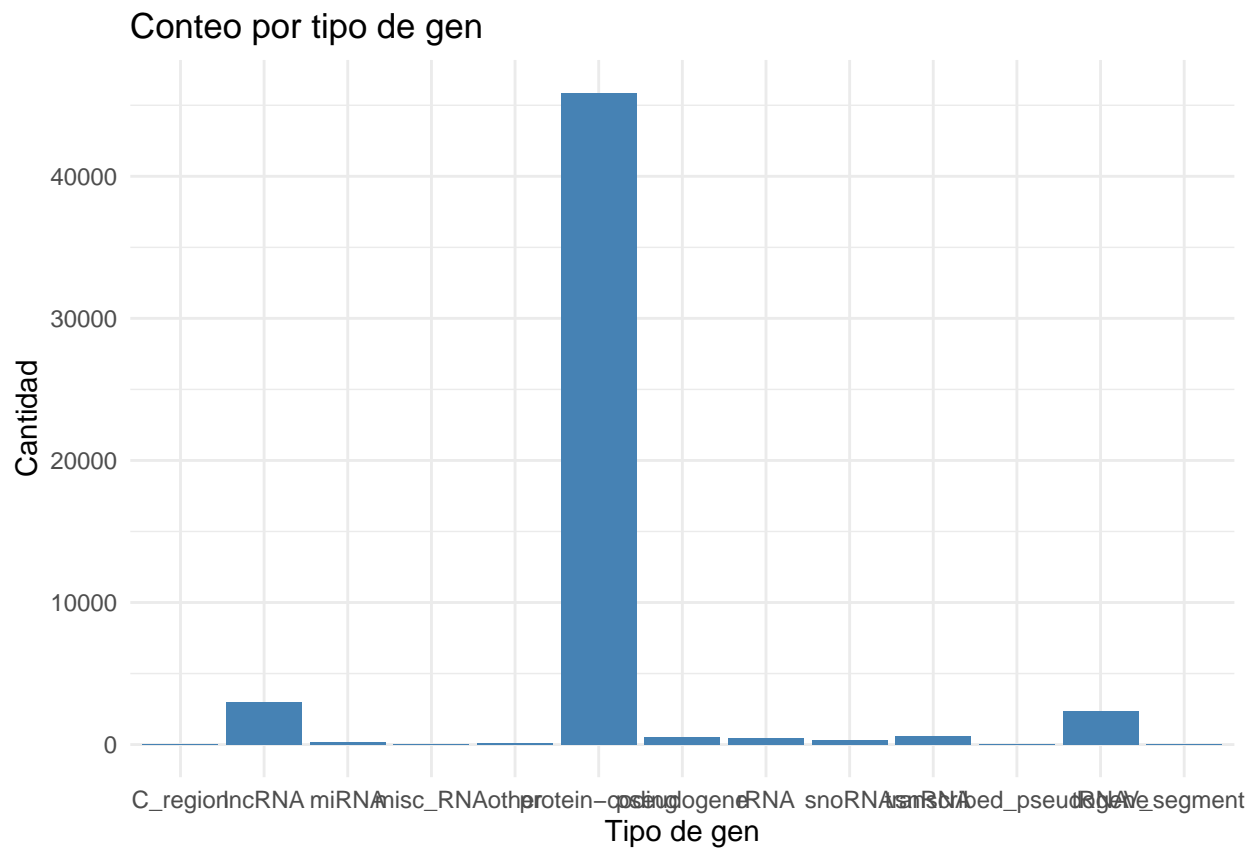
```
conteos <- xenopus %>%  
  group_by(Gene.Type) %>%  
  summarise(Conteo = n())  
conteos
```

```
## # A tibble: 13 x 2  
##   Gene.Type      Conteo  
##   <chr>         <int>  
## 1 C_region         7  
## 2 V_segment        65  
## 3 lncRNA       2966  
## 4 miRNA         187  
## 5 misc_RNA        65  
## 6 other         115  
## 7 protein-coding 45893  
## 8 pseudogene      550  
## 9 rRNA           463  
## 10 snRNA          614  
## 11 snoRNA         342  
## 12 tRNA          2366  
## 13 transcribed_pseudogene 21
```

```
# xenopus = xenopus %>% filter(Gene.Type == "protein-coding")
```

#En este caso el código de abajo es para realizar un histograma sobre los tipos de genes que hay

```
ggplot(conteos, aes(x = Gene.Type, y = Conteo)) +
  geom_col(fill = "steelblue") +
  theme_minimal() +
  labs(title = "Conteo por tipo de gen",
       x = "Tipo de gen",
       y = "Cantidad")
```



#Esto es para ver las proteínas que se encuentran en el archivo

```
filas_con_proteina <- xenopus %>%
  filter(if_any(everything(), ~ str_detect(., regex("protein", ignore_case = TRUE))))
```

#Esto coge las filas con esas proteínas y las organiza

```
filas_con_proteina %>%
  count(Gene.Type, sort = TRUE)
```

```
##           Gene.Type      n
## 1      protein-coding 45893
## 2          misc_RNA     12
```

```
## 3 transcribed_pseudogene      9
## 4                lncRNA        7
## 5                pseudogene     1
```

#Esto es para que me diga las organizaciones que ha hecho

```
filas_con_proteina %>%
  summarise(across(everything(), ~ n_distinct(.)))
```

```
##   Accession Begin   End Chromosome Orientation  Name Symbol Gene.ID Gene.Type
## 1         61 21850 21848         12          2 18764  21850   21850         5
##   Transcripts.accession Transcript.name Protein.accession Protein.name
## 1              45903           42884           45094           35655
##   Protein.length Locus.tag
## 1             3125         1
```

#Esto es para que agrupe según el nombre de la proteína

```
xenopus %>%
  group_by(Protein.name)%>%
  summarise(Conteosa = n())
```

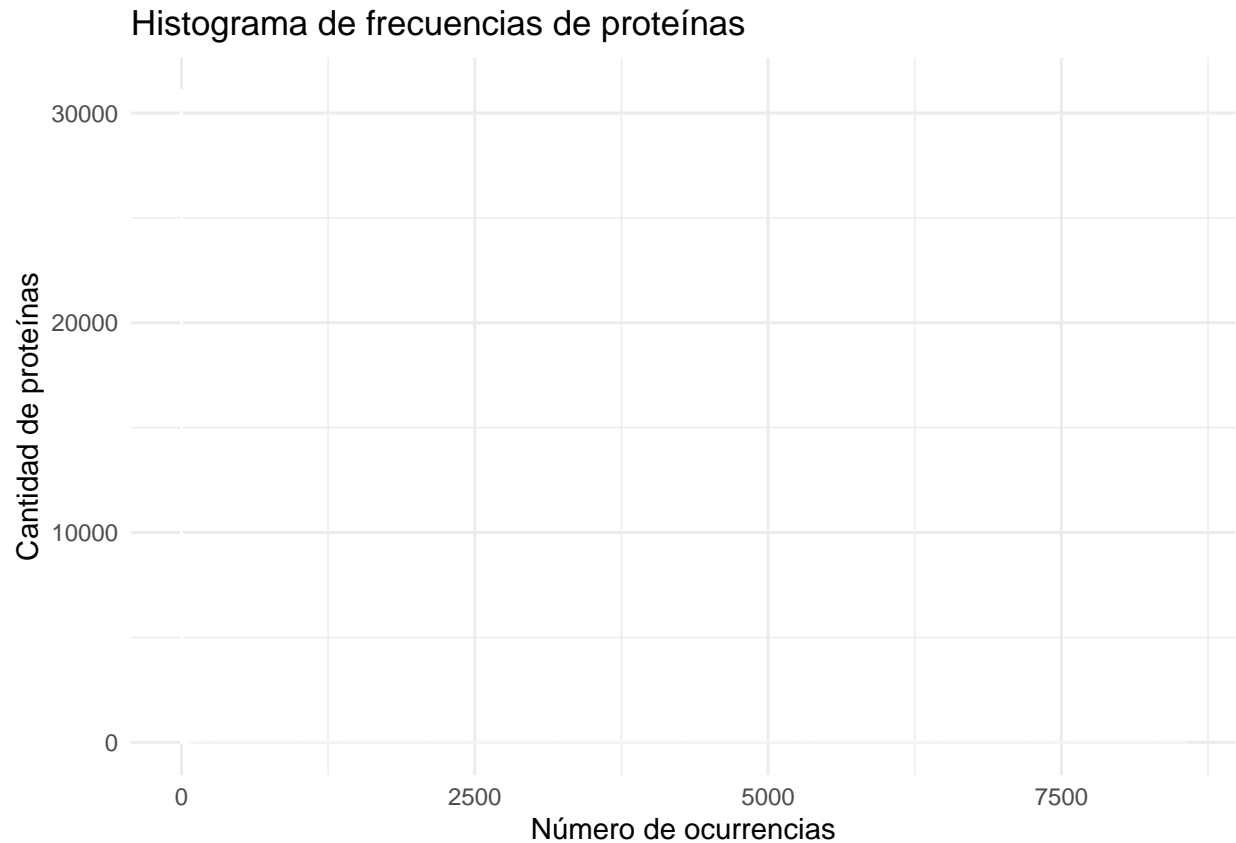
```
## # A tibble: 35,655 x 2
##   Protein.name                               Conteosa
##   <chr>                                <int>
## 1 ""                                8555
## 2 "(E2-independent) E3 ubiquitin-conjugating enzyme FATS"      1
## 3 "(E3-independent) E2 ubiquitin-conjugating enzyme isoform X1"  1
## 4 "(E3-independent) E2 ubiquitin-conjugating enzyme isoform X2"  1
## 5 "(E3-independent) E2 ubiquitin-conjugating enzyme isoform X3"  1
## 6 "1"                                1
## 7 "1 isoform X1"          1
## 8 "1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase"      2
## 9 "1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial"  1
## 10 "1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial isoform X~ 1
## # i 35,645 more rows
```

#Esto va a contabilizar los nombres de la proteína

```
frecuencias <- xenopus %>%
  group_by(Protein.name) %>%
  summarise(Conteosa = n())
```

#Esto es para hacer el histograma

```
ggplot(frecuencias, aes(x = Conteosa)) +
  geom_histogram(binwidth = 1, fill = "steelblue", color = "white") +
  theme_minimal() +
  labs(title = "Histograma de frecuencias de proteínas",
       x = "Número de ocurrencias",
       y = "Cantidad de proteínas")
```



```
#top10 <- frecuencias %>%
# arrange(desc(Conteosa)) %>%
# slice_head(n = 10)

#ggplot(top10, aes(x = reorder(Protein.name, Conteosa), y = Conteosa)) +
# geom_col(fill = "darkorange") +
# coord_flip() +
# theme_minimal() +
# labs(title = "Top 10 proteínas más frecuentes",
#       x = "Proteína",
#       y = "Frecuencia")
```

Seleccionar las 10 proteínas más frecuentes

```
# top_10_proteinas <- head(Conteosa, 10)
# head(frecuencias)
top_10_proteinas <- frecuencias %>%
  slice_max(Conteosa, n=3)
top_10_proteinas
```

```
## # A tibble: 3 x 2
##   Protein.name
```

```
Conteosa
```

```
##      <chr>                                <int>
## 1 ""                                     8555
## 2 "vomeronasal type-2 receptor 26"       118
## 3 "vomeronasal type-2 receptor 26-like"  111
```

Crear el histograma

```
top10 = xenopus %>%
  filter(Protein.name %in% top_10_proteinas$Protein.name)
top10
```

##	Accession	Begin	End	Chromosome	Orientation
## 1	NC_006839.1	1	68	MT	plus
## 2	NC_006839.1	69	1011	MT	plus
## 3	NC_006839.1	1012	1081	MT	plus
## 4	NC_006839.1	1082	2716	MT	plus
## 5	NC_006839.1	2717	2791	MT	plus
## 6	NC_006839.1	3760	3830	MT	plus
## 7	NC_006839.1	3830	3900	MT	minus
## 8	NC_006839.1	3900	3968	MT	plus
## 9	NC_006839.1	5005	5073	MT	plus
## 10	NC_006839.1	5077	5145	MT	minus
## 11	NC_006839.1	5147	5219	MT	minus
## 12	NC_006839.1	5258	5323	MT	minus
## 13	NC_006839.1	5324	5393	MT	minus
## 14	NC_006839.1	6954	7024	MT	minus
## 15	NC_006839.1	7040	7108	MT	plus
## 16	NC_006839.1	7799	7872	MT	plus
## 17	NC_006839.1	9499	9568	MT	plus
## 18	NC_006839.1	9912	9980	MT	plus
## 19	NC_006839.1	11649	11717	MT	plus
## 20	NC_006839.1	11718	11785	MT	plus
## 21	NC_006839.1	11786	11858	MT	plus
## 22	NC_006839.1	14187	14255	MT	minus
## 23	NC_006839.1	15400	15470	MT	plus
## 24	NC_006839.1	15500	15566	MT	plus
## 25	NC_030677.2	100440	112187	1	plus
## 26	NC_030677.2	349923	350599	1	plus
## 27	NC_030677.2	407006	408553	1	plus
## 28	NC_030677.2	407006	408553	1	plus
## 29	NC_030677.2	414749	416335	1	plus
## 30	NC_030677.2	518671	538136	1	plus
## 31	NC_030677.2	731993	732127	1	plus
## 32	NC_030677.2	734281	734356	1	plus
## 33	NC_030677.2	734842	734912	1	plus
## 34	NC_030677.2	834571	879573	1	plus
## 35	NC_030677.2	966989	976633	1	minus
## 36	NC_030677.2	979210	979872	1	minus
## 37	NC_030677.2	1036271	1038472	1	minus
## 38	NC_030677.2	1227193	1227726	1	minus
## 39	NC_030677.2	1327277	1342202	1	minus

## 40	NC_030677.2	1450861	1451800	1	minus
## 41	NC_030677.2	1540753	1555096	1	minus
## 42	NC_030677.2	1560143	1576617	1	minus
## 43	NC_030677.2	1636302	1661918	1	minus
## 44	NC_030677.2	1662245	1684975	1	minus
## 45	NC_030677.2	1699112	1699645	1	minus
## 46	NC_030677.2	1715648	1737756	1	minus
## 47	NC_030677.2	1790073	1796990	1	minus
## 48	NC_030677.2	1804385	1831984	1	minus
## 49	NC_030677.2	1851225	1852097	1	minus
## 50	NC_030677.2	1906883	1928191	1	minus
## 51	NC_030677.2	1928337	1928876	1	minus
## 52	NC_030677.2	1975908	1977888	1	plus
## 53	NC_030677.2	1983497	2006729	1	minus
## 54	NC_030677.2	2053098	2064514	1	minus
## 55	NC_030677.2	2101897	2106315	1	minus
## 56	NC_030677.2	2330096	2337618	1	minus
## 57	NC_030677.2	2353782	2354279	1	minus
## 58	NC_030677.2	2377329	2386283	1	minus
## 59	NC_030677.2	2431893	2432519	1	plus
## 60	NC_030677.2	2471867	2493700	1	plus
## 61	NC_030677.2	2568568	2581424	1	minus
## 62	NC_030677.2	2584832	2601591	1	minus
## 63	NC_030677.2	2603687	2616367	1	minus
## 64	NC_030677.2	2619303	2650924	1	minus
## 65	NC_030677.2	2742537	2754050	1	minus
## 66	NC_030677.2	2769131	2769670	1	plus
## 67	NC_030677.2	2975105	2989459	1	minus
## 68	NC_030677.2	2992227	3009469	1	minus
## 69	NC_030677.2	3116381	3116914	1	minus
## 70	NC_030677.2	3142186	3142725	1	minus
## 71	NC_030677.2	3303981	3320172	1	minus
## 72	NC_030677.2	3339155	3354798	1	minus
## 73	NC_030677.2	3389548	3406414	1	minus
## 74	NC_030677.2	3594713	3595345	1	minus
## 75	NC_030677.2	3617312	3618154	1	plus
## 76	NC_030677.2	3706698	3707330	1	minus
## 77	NC_030677.2	3760793	3761443	1	minus
## 78	NC_030677.2	4127782	4133238	1	minus
## 79	NC_030677.2	4127782	4133238	1	minus
## 80	NC_030677.2	4127782	4133238	1	minus
## 81	NC_030677.2	4169427	4171211	1	plus
## 82	NC_030677.2	4533105	4552243	1	minus
## 83	NC_030677.2	4553772	4554909	1	plus
## 84	NC_030677.2	4663156	4663860	1	minus
## 85	NC_030677.2	4716467	4716979	1	plus
## 86	NC_030677.2	4723606	4726891	1	minus
## 87	NC_030677.2	4776201	4776698	1	plus
## 88	NC_030677.2	4801874	4809245	1	plus
## 89	NC_030677.2	4846994	4856996	1	plus
## 90	NC_030677.2	4858490	4858656	1	plus
## 91	NC_030677.2	5071599	5072303	1	minus
## 92	NC_030677.2	5190096	5198875	1	plus
## 93	NC_030677.2	5206806	5207510	1	minus

## 94	NC_030677.2	5311409	5311906	1	minus
## 95	NC_030677.2	5348756	5349268	1	minus
## 96	NC_030677.2	5396770	5397282	1	minus
## 97	NC_030677.2	5520159	5520284	1	minus
## 98	NC_030677.2	5523164	5523318	1	plus
## 99	NC_030677.2	5530587	5530712	1	minus
## 100	NC_030677.2	5537223	5537333	1	minus
## 101	NC_030677.2	5538562	5538716	1	plus
## 102	NC_030677.2	5542447	5542604	1	plus
## 103	NC_030677.2	5547794	5547951	1	plus
## 104	NC_030677.2	5555549	5555674	1	minus
## 105	NC_030677.2	5556183	5556308	1	minus
## 106	NC_030677.2	5566057	5585208	1	plus
## 107	NC_030677.2	5768675	5768771	1	minus
## 108	NC_030677.2	5803876	5839829	1	plus
## 109	NC_030677.2	5849792	5867492	1	plus
## 110	NC_030677.2	5875800	5890302	1	plus
## 111	NC_030677.2	5938775	5939272	1	plus
## 112	NC_030677.2	5980730	5993425	1	minus
## 113	NC_030677.2	6060146	6061051	1	plus
## 114	NC_030677.2	6083767	6089488	1	plus
## 115	NC_030677.2	6112031	6121230	1	plus
## 116	NC_030677.2	6141783	6142709	1	plus
## 117	NC_030677.2	6153300	6166509	1	plus
## 118	NC_030677.2	6190409	6191376	1	plus
## 119	NC_030677.2	6213982	6214898	1	minus
## 120	NC_030677.2	6235866	6236405	1	minus
## 121	NC_030677.2	6243162	6268831	1	plus
## 122	NC_030677.2	6317151	6318077	1	plus
## 123	NC_030677.2	6449647	6475785	1	plus
## 124	NC_030677.2	6570547	6601938	1	minus
## 125	NC_030677.2	6652547	6682196	1	plus
## 126	NC_030677.2	7046046	7049174	1	plus
## 127	NC_030677.2	7084499	7085349	1	minus
## 128	NC_030677.2	7190234	7191067	1	plus
## 129	NC_030677.2	7196413	7224789	1	plus
## 130	NC_030677.2	7254815	7255640	1	plus
## 131	NC_030677.2	7305790	7317053	1	plus
## 132	NC_030677.2	7331925	7354330	1	plus
## 133	NC_030677.2	7388341	7389174	1	plus
## 134	NC_030677.2	7427172	7431812	1	plus
## 135	NC_030677.2	7474150	7474686	1	plus
## 136	NC_030677.2	7588600	7589136	1	minus
## 137	NC_030677.2	7607167	7607703	1	minus
## 138	NC_030677.2	7627434	7642365	1	minus
## 139	NC_030677.2	7667699	7679036	1	minus
## 140	NC_030677.2	7979404	7979564	1	minus
## 141	NC_030677.2	9393847	9411170	1	plus
## 142	NC_030677.2	9468157	9468892	1	minus
## 143	NC_030677.2	9468157	9468892	1	minus
## 144	NC_030677.2	9484888	9485529	1	plus
## 145	NC_030677.2	9531691	9532272	1	minus
## 146	NC_030677.2	9531691	9532272	1	minus
## 147	NC_030677.2	9602355	9603199	1	minus

## 148	NC_030677.2	9602355	9603199	1	minus
## 149	NC_030677.2	9622076	9622682	1	minus
## 150	NC_030677.2	9622076	9622682	1	minus
## 151	NC_030677.2	9624413	9625208	1	minus
## 152	NC_030677.2	9624413	9625208	1	minus
## 153	NC_030677.2	9633521	9634196	1	minus
## 154	NC_030677.2	9633521	9634196	1	minus
## 155	NC_030677.2	9646708	9647518	1	minus
## 156	NC_030677.2	9646708	9647518	1	minus
## 157	NC_030677.2	9664969	9665540	1	minus
## 158	NC_030677.2	9664969	9665540	1	minus
## 159	NC_030677.2	9704981	9718432	1	plus
## 160	NC_030677.2	9704981	9718432	1	plus
## 161	NC_030677.2	9754036	9754858	1	minus
## 162	NC_030677.2	9754036	9754858	1	minus
## 163	NC_030677.2	9758136	9758696	1	minus
## 164	NC_030677.2	9758136	9758696	1	minus
## 165	NC_030677.2	9761633	9762687	1	minus
## 166	NC_030677.2	9761633	9762687	1	minus
## 167	NC_030677.2	9767217	9767982	1	minus
## 168	NC_030677.2	9767217	9767982	1	minus
## 169	NC_030677.2	9890146	9927164	1	minus
## 170	NC_030677.2	10005342	10006427	1	minus
## 171	NC_030677.2	10978878	10983004	1	plus
## 172	NC_030677.2	10978878	10983004	1	plus
## 173	NC_030677.2	10978878	10983004	1	plus
## 174	NC_030677.2	10978878	10983004	1	plus
## 175	NC_030677.2	10978878	10983004	1	plus
## 176	NC_030677.2	10978878	10983004	1	plus
## 177	NC_030677.2	11695865	11696415	1	plus
## 178	NC_030677.2	11697262	11697708	1	plus
## 179	NC_030677.2	11698022	11698806	1	plus
## 180	NC_030677.2	11905863	11987482	1	plus
## 181	NC_030677.2	12251652	12258356	1	plus
## 182	NC_030677.2	12265444	12265526	1	minus
## 183	NC_030677.2	12512417	12513480	1	plus
## 184	NC_030677.2	13365296	13369679	1	minus
## 185	NC_030677.2	13955994	13962071	1	minus
## 186	NC_030677.2	14222816	14222915	1	plus
## 187	NC_030677.2	14309260	14346228	1	plus
## 188	NC_030677.2	14351328	14355641	1	minus
## 189	NC_030677.2	15919238	15919843	1	minus
## 190	NC_030677.2	16403066	16404882	1	minus
## 191	NC_030677.2	16405737	16406354	1	minus
## 192	NC_030677.2	16406826	16408971	1	minus
## 193	NC_030677.2	16409504	16410097	1	minus
## 194	NC_030677.2	16410604	16412634	1	minus
## 195	NC_030677.2	16425454	16429488	1	minus
## 196	NC_030677.2	16554764	16555962	1	minus
## 197	NC_030677.2	16587642	16588504	1	minus
## 198	NC_030677.2	16596143	16597391	1	plus
## 199	NC_030677.2	16611315	16612460	1	minus
## 200	NC_030677.2	16611315	16612460	1	minus
## 201	NC_030677.2	16614126	16618645	1	minus

## 202	NC_030677.2	16623990	16624394	1	minus
## 203	NC_030677.2	16646877	16648130	1	plus
## 204	NC_030677.2	16654421	16655619	1	minus
## 205	NC_030677.2	16666733	16667357	1	minus
## 206	NC_030677.2	16667885	16669709	1	minus
## 207	NC_030677.2	16670567	16671158	1	minus
## 208	NC_030677.2	16671566	16674389	1	minus
## 209	NC_030677.2	16675384	16677527	1	minus
## 210	NC_030677.2	16682629	16685401	1	minus
## 211	NC_030677.2	16717418	16719551	1	minus
## 212	NC_030677.2	16723693	16725863	1	minus
## 213	NC_030677.2	16727834	16729757	1	minus
## 214	NC_030677.2	16732062	16736532	1	minus
## 215	NC_030677.2	16735850	16736428	1	minus
## 216	NC_030677.2	17431047	17431682	1	plus
## 217	NC_030677.2	17460572	17479138	1	plus
## 218	NC_030677.2	17481077	17496809	1	plus
## 219	NC_030677.2	17516856	17525643	1	plus
## 220	NC_030677.2	17533347	17547205	1	plus
## 221	NC_030677.2	17569664	17574433	1	plus
## 222	NC_030677.2	17614993	17617339	1	plus
## 223	NC_030677.2	17631636	17642423	1	plus
## 224	NC_030677.2	17669123	17669785	1	plus
## 225	NC_030677.2	17801947	17802087	1	plus
## 226	NC_030677.2	17807282	17807421	1	plus
## 227	NC_030677.2	18049728	18066924	1	minus
## 228	NC_030677.2	18701430	18726249	1	plus
## 229	NC_030677.2	19043765	19046161	1	plus
## 230	NC_030677.2	20800393	20800583	1	minus
## 231	NC_030677.2	21038209	21093990	1	plus
## 232	NC_030677.2	21056611	21057409	1	minus
## 233	NC_030677.2	21470285	21481382	1	plus
## 234	NC_030677.2	22162967	22168140	1	minus
## 235	NC_030677.2	22485904	22491445	1	minus
## 236	NC_030677.2	22491761	22494807	1	minus
## 237	NC_030677.2	22839040	22853006	1	minus
## 238	NC_030677.2	23851226	24034037	1	plus
## 239	NC_030677.2	24054741	24057345	1	minus
## 240	NC_030677.2	24057385	24072931	1	minus
## 241	NC_030677.2	25522203	25525194	1	minus
## 242	NC_030677.2	25667014	25718855	1	minus
## 243	NC_030677.2	26216173	26222533	1	plus
## 244	NC_030677.2	26464950	26469262	1	plus
## 245	NC_030677.2	26530356	26531364	1	minus
## 246	NC_030677.2	26566819	26568495	1	minus
## 247	NC_030677.2	26683939	26694419	1	plus
## 248	NC_030677.2	27969623	27996286	1	minus
## 249	NC_030677.2	27969623	27996286	1	minus
## 250	NC_030677.2	27987013	27996593	1	plus
## 251	NC_030677.2	28015313	28097380	1	minus
## 252	NC_030677.2	28015313	28097380	1	minus
## 253	NC_030677.2	28015313	28097380	1	minus
## 254	NC_030677.2	28015313	28097380	1	minus
## 255	NC_030677.2	28015313	28097380	1	minus

## 256	NC_030677.2	28015313	28097380	1	minus
## 257	NC_030677.2	28015313	28097380	1	minus
## 258	NC_030677.2	28015313	28097380	1	minus
## 259	NC_030677.2	28015313	28097380	1	minus
## 260	NC_030677.2	28015313	28097380	1	minus
## 261	NC_030677.2	28015313	28097380	1	minus
## 262	NC_030677.2	28015313	28097380	1	minus
## 263	NC_030677.2	28953829	28955296	1	minus
## 264	NC_030677.2	29787498	29787606	1	plus
## 265	NC_030677.2	30426935	30427037	1	plus
## 266	NC_030677.2	31718392	31720511	1	minus
## 267	NC_030677.2	31796867	31800138	1	plus
## 268	NC_030677.2	31835152	31838338	1	minus
## 269	NC_030677.2	33259055	33277048	1	minus
## 270	NC_030677.2	33307397	33326055	1	plus
## 271	NC_030677.2	33435855	33436768	1	minus
## 272	NC_030677.2	34532973	34535124	1	minus
## 273	NC_030677.2	35560943	35606048	1	minus
## 274	NC_030677.2	35671073	35674522	1	minus
## 275	NC_030677.2	35724488	35725796	1	plus
## 276	NC_030677.2	35787114	35792576	1	plus
## 277	NC_030677.2	35891841	35899449	1	plus
## 278	NC_030677.2	35899710	35902521	1	minus
## 279	NC_030677.2	35929822	35931546	1	minus
## 280	NC_030677.2	35987406	35989568	1	minus
## 281	NC_030677.2	36078476	36080628	1	plus
## 282	NC_030677.2	36080765	36081127	1	plus
## 283	NC_030677.2	36084909	36085790	1	plus
## 284	NC_030677.2	36085972	36086911	1	plus
## 285	NC_030677.2	36087216	36088100	1	plus
## 286	NC_030677.2	36107312	36108263	1	minus
## 287	NC_030677.2	36220237	36221869	1	minus
## 288	NC_030677.2	36318860	36325933	1	minus
## 289	NC_030677.2	37252305	37277465	1	plus
## 290	NC_030677.2	37449711	37450482	1	plus
## 291	NC_030677.2	39174432	39175905	1	minus
## 292	NC_030677.2	39336796	39339673	1	plus
## 293	NC_030677.2	39337750	39337875	1	plus
## 294	NC_030677.2	39338453	39338572	1	plus
## 295	NC_030677.2	39385479	39386464	1	minus
## 296	NC_030677.2	40137942	40144355	1	minus
## 297	NC_030677.2	40265956	40267952	1	minus
## 298	NC_030677.2	41561172	41561244	1	minus
## 299	NC_030677.2	42466021	42468772	1	minus
## 300	NC_030677.2	43536511	43541850	1	minus
## 301	NC_030677.2	43542467	43679744	1	plus
## 302	NC_030677.2	43975599	44013198	1	minus
## 303	NC_030677.2	44636604	44637518	1	minus
## 304	NC_030677.2	45572906	45586631	1	plus
## 305	NC_030677.2	46568870	46571921	1	plus
## 306	NC_030677.2	47337764	47338994	1	plus
## 307	NC_030677.2	47391409	47392637	1	plus
## 308	NC_030677.2	48262232	48296054	1	plus
## 309	NC_030677.2	48666931	48685103	1	plus

## 310	NC_030677.2	48793313	48796031	1	minus
## 311	NC_030677.2	48793313	48796031	1	minus
## 312	NC_030677.2	48793313	48796031	1	minus
## 313	NC_030677.2	49224487	49249493	1	plus
## 314	NC_030677.2	49224487	49249493	1	plus
## 315	NC_030677.2	49321001	49331147	1	plus
## 316	NC_030677.2	49847054	49859288	1	minus
## 317	NC_030677.2	49943995	49950892	1	minus
## 318	NC_030677.2	50366965	50383348	1	plus
## 319	NC_030677.2	50366965	50383348	1	plus
## 320	NC_030677.2	51385619	51410294	1	plus
## 321	NC_030677.2	51474323	51491094	1	minus
## 322	NC_030677.2	52567558	52575187	1	plus
## 323	NC_030677.2	53321631	53400970	1	minus
## 324	NC_030677.2	53455695	53522002	1	minus
## 325	NC_030677.2	54375499	54376323	1	plus
## 326	NC_030677.2	54489338	54490207	1	minus
## 327	NC_030677.2	55025456	55087948	1	minus
## 328	NC_030677.2	55179394	55225894	1	plus
## 329	NC_030677.2	55973620	55974708	1	minus
## 330	NC_030677.2	56210489	56212253	1	plus
## 331	NC_030677.2	56217051	56219719	1	plus
## 332	NC_030677.2	56234836	56243204	1	plus
## 333	NC_030677.2	56234836	56243204	1	plus
## 334	NC_030677.2	56234836	56243204	1	plus
## 335	NC_030677.2	56234836	56243204	1	plus
## 336	NC_030677.2	56234836	56243204	1	plus
## 337	NC_030677.2	56234836	56243204	1	plus
## 338	NC_030677.2	56263288	56264734	1	plus
## 339	NC_030677.2	56269109	56274488	1	minus
## 340	NC_030677.2	56300619	56303023	1	plus
## 341	NC_030677.2	56399143	56407509	1	plus
## 342	NC_030677.2	56399143	56407509	1	plus
## 343	NC_030677.2	56399143	56407509	1	plus
## 344	NC_030677.2	56399143	56407509	1	plus
## 345	NC_030677.2	56399143	56407509	1	plus
## 346	NC_030677.2	56429287	56430181	1	plus
## 347	NC_030677.2	56469669	56552484	1	plus
## 348	NC_030677.2	56469669	56552484	1	plus
## 349	NC_030677.2	56469669	56552484	1	plus
## 350	NC_030677.2	56469669	56552484	1	plus
## 351	NC_030677.2	56469669	56552484	1	plus
## 352	NC_030677.2	56557566	56557635	1	minus
## 353	NC_030677.2	56558838	56558909	1	minus
## 354	NC_030677.2	56561697	56561766	1	minus
## 355	NC_030677.2	56732186	56733754	1	minus
## 356	NC_030677.2	56733820	56734757	1	minus
## 357	NC_030677.2	56938232	56990659	1	minus
## 358	NC_030677.2	57077849	57081456	1	minus
## 359	NC_030677.2	57424094	57424487	1	minus
## 360	NC_030677.2	59023822	59026430	1	minus
## 361	NC_030677.2	60388639	60391332	1	plus
## 362	NC_030677.2	61209627	61249800	1	minus
## 363	NC_030677.2	61778422	61872134	1	plus

## 364	NC_030677.2	63040303	63100965	1	minus
## 365	NC_030677.2	63857531	63861543	1	minus
## 366	NC_030677.2	65045888	65047013	1	plus
## 367	NC_030677.2	65298081	65304875	1	minus
## 368	NC_030677.2	66033058	66042679	1	minus
## 369	NC_030677.2	66258036	66312048	1	plus
## 370	NC_030677.2	66351763	66398746	1	minus
## 371	NC_030677.2	66368577	66372710	1	minus
## 372	NC_030677.2	66413977	66435982	1	minus
## 373	NC_030677.2	66413977	66435982	1	minus
## 374	NC_030677.2	66413977	66435982	1	minus
## 375	NC_030677.2	66442591	66492574	1	plus
## 376	NC_030677.2	66442591	66492574	1	plus
## 377	NC_030677.2	66461880	66471029	1	minus
## 378	NC_030677.2	66904635	66921280	1	minus
## 379	NC_030677.2	67121536	67127999	1	minus
## 380	NC_030677.2	67199315	67200770	1	minus
## 381	NC_030677.2	67218161	67220276	1	minus
## 382	NC_030677.2	67657543	67657700	1	plus
## 383	NC_030677.2	67790214	67790286	1	minus
## 384	NC_030677.2	67803585	67803657	1	plus
## 385	NC_030677.2	67806218	67806290	1	plus
## 386	NC_030677.2	67807724	67807796	1	plus
## 387	NC_030677.2	67961918	67983928	1	minus
## 388	NC_030677.2	68336416	68339349	1	plus
## 389	NC_030677.2	68984460	68988823	1	minus
## 390	NC_030677.2	68985925	68985987	1	minus
## 391	NC_030677.2	68986224	68986292	1	minus
## 392	NC_030677.2	69143695	69147023	1	minus
## 393	NC_030677.2	70401692	70405654	1	plus
## 394	NC_030677.2	70402638	70402711	1	plus
## 395	NC_030677.2	70404768	70404890	1	plus
## 396	NC_030677.2	70843579	70845857	1	minus
## 397	NC_030677.2	70845737	70854516	1	plus
## 398	NC_030677.2	71605229	71625852	1	minus
## 399	NC_030677.2	72441390	72495921	1	minus
## 400	NC_030677.2	73034472	73035202	1	plus
## 401	NC_030677.2	74850820	74855242	1	plus
## 402	NC_030677.2	74906373	74906503	1	plus
## 403	NC_030677.2	78366629	78390418	1	plus
## 404	NC_030677.2	78366629	78390418	1	plus
## 405	NC_030677.2	78903455	78908852	1	plus
## 406	NC_030677.2	78991919	79047637	1	minus
## 407	NC_030677.2	79166538	79205491	1	minus
## 408	NC_030677.2	81245866	81257998	1	plus
## 409	NC_030677.2	81245866	81257998	1	plus
## 410	NC_030677.2	81543644	81544970	1	plus
## 411	NC_030677.2	81564317	81566534	1	minus
## 412	NC_030677.2	81785385	81787172	1	minus
## 413	NC_030677.2	81785385	81787172	1	minus
## 414	NC_030677.2	81823673	81825507	1	minus
## 415	NC_030677.2	81823673	81825507	1	minus
## 416	NC_030677.2	82304775	82319093	1	minus
## 417	NC_030677.2	82304775	82319093	1	minus

## 418	NC_030677.2	82325484	82329876	1	minus
## 419	NC_030677.2	83828479	83964278	1	minus
## 420	NC_030677.2	84603849	84861526	1	minus
## 421	NC_030677.2	84603849	84861526	1	minus
## 422	NC_030677.2	85163497	85167206	1	plus
## 423	NC_030677.2	85336529	85339626	1	minus
## 424	NC_030677.2	85336529	85339626	1	minus
## 425	NC_030677.2	85497554	85508931	1	plus
## 426	NC_030677.2	85497554	85508931	1	plus
## 427	NC_030677.2	87329682	87332603	1	minus
## 428	NC_030677.2	87683350	87684789	1	minus
## 429	NC_030677.2	87753952	87769870	1	plus
## 430	NC_030677.2	87809117	87838594	1	minus
## 431	NC_030677.2	87809117	87838594	1	minus
## 432	NC_030677.2	87814318	87816345	1	plus
## 433	NC_030677.2	88220412	88223727	1	plus
## 434	NC_030677.2	88798554	88801757	1	minus
## 435	NC_030677.2	89683118	89683936	1	minus
## 436	NC_030677.2	89912750	89912897	1	minus
## 437	NC_030677.2	91027843	91339710	1	plus
## 438	NC_030677.2	91267484	91270765	1	plus
## 439	NC_030677.2	91703202	91711309	1	plus
## 440	NC_030677.2	91718488	91719940	1	plus
## 441	NC_030677.2	93801634	93808635	1	plus
## 442	NC_030677.2	94098195	94121340	1	minus
## 443	NC_030677.2	94098195	94121340	1	minus
## 444	NC_030677.2	94098195	94121340	1	minus
## 445	NC_030677.2	94098195	94121340	1	minus
## 446	NC_030677.2	94098195	94121340	1	minus
## 447	NC_030677.2	94128752	94135369	1	minus
## 448	NC_030677.2	94139718	94149618	1	minus
## 449	NC_030677.2	94139718	94149618	1	minus
## 450	NC_030677.2	94139718	94149618	1	minus
## 451	NC_030677.2	94139718	94149618	1	minus
## 452	NC_030677.2	94139718	94149618	1	minus
## 453	NC_030677.2	94139718	94149618	1	minus
## 454	NC_030677.2	94139718	94149618	1	minus
## 455	NC_030677.2	94139718	94149618	1	minus
## 456	NC_030677.2	94139718	94149618	1	minus
## 457	NC_030677.2	94139718	94149618	1	minus
## 458	NC_030677.2	94139718	94149618	1	minus
## 459	NC_030677.2	94418486	94420637	1	minus
## 460	NC_030677.2	95457436	95494967	1	plus
## 461	NC_030677.2	95472193	95480496	1	minus
## 462	NC_030677.2	95472193	95480496	1	minus
## 463	NC_030677.2	97552557	97562965	1	plus
## 464	NC_030677.2	98082761	98160607	1	minus
## 465	NC_030677.2	98319092	98345896	1	plus
## 466	NC_030677.2	98372522	98372666	1	plus
## 467	NC_030677.2	99142140	99143404	1	minus
## 468	NC_030677.2	100224119	100231648	1	plus
## 469	NC_030677.2	100558172	100558243	1	plus
## 470	NC_030677.2	100792888	100792994	1	minus
## 471	NC_030677.2	101069621	101070171	1	plus

## 472	NC_030677.2	101069621	101070171	1	plus
## 473	NC_030677.2	101077946	101078178	1	plus
## 474	NC_030677.2	101079952	101080184	1	plus
## 475	NC_030677.2	101090819	101091518	1	plus
## 476	NC_030677.2	101090819	101091518	1	plus
## 477	NC_030677.2	101103256	101104003	1	plus
## 478	NC_030677.2	101103256	101104003	1	plus
## 479	NC_030677.2	101112198	101112875	1	plus
## 480	NC_030677.2	101112198	101112875	1	plus
## 481	NC_030677.2	101264864	101267079	1	minus
## 482	NC_030677.2	101278756	101280698	1	minus
## 483	NC_030677.2	101301268	101301352	1	plus
## 484	NC_030677.2	101413979	101441696	1	minus
## 485	NC_030677.2	101413979	101441696	1	minus
## 486	NC_030677.2	101413979	101441696	1	minus
## 487	NC_030677.2	101413979	101441696	1	minus
## 488	NC_030677.2	101713984	101721716	1	plus
## 489	NC_030677.2	102968333	102982861	1	plus
## 490	NC_030677.2	104454705	104460006	1	minus
## 491	NC_030677.2	104485233	104497020	1	minus
## 492	NC_030677.2	104559861	104579357	1	plus
## 493	NC_030677.2	104559861	104579357	1	plus
## 494	NC_030677.2	105231479	105233906	1	minus
## 495	NC_030677.2	105385577	105385648	1	plus
## 496	NC_030677.2	105385933	105386004	1	minus
## 497	NC_030677.2	105695520	105705327	1	minus
## 498	NC_030677.2	107851563	107853260	1	plus
## 499	NC_030677.2	108553867	108724527	1	minus
## 500	NC_030677.2	108570456	108722276	1	plus
## 501	NC_030677.2	109639052	109643825	1	plus
## 502	NC_030677.2	109677530	109690938	1	plus
## 503	NC_030677.2	109677530	109690938	1	plus
## 504	NC_030677.2	112419034	112421823	1	plus
## 505	NC_030677.2	112771881	112793514	1	plus
## 506	NC_030677.2	112960993	112968125	1	minus
## 507	NC_030677.2	112960993	112968125	1	minus
## 508	NC_030677.2	112997457	113003505	1	plus
## 509	NC_030677.2	113074779	113126994	1	plus
## 510	NC_030677.2	113179866	113182836	1	plus
## 511	NC_030677.2	114192439	114255380	1	plus
## 512	NC_030677.2	114192439	114255380	1	plus
## 513	NC_030677.2	114192439	114255380	1	plus
## 514	NC_030677.2	114217286	114217359	1	plus
## 515	NC_030677.2	114351861	114418104	1	minus
## 516	NC_030677.2	114351861	114418104	1	minus
## 517	NC_030677.2	114719661	114841594	1	minus
## 518	NC_030677.2	114844796	114849495	1	minus
## 519	NC_030677.2	118030988	118031725	1	minus
## 520	NC_030677.2	119006750	119007980	1	minus
## 521	NC_030677.2	119906570	119970330	1	plus
## 522	NC_030677.2	119997826	120013585	1	plus
## 523	NC_030677.2	120351506	120354981	1	plus
## 524	NC_030677.2	121144826	121144913	1	minus
## 525	NC_030677.2	122591182	122592477	1	plus

## 526	NC_030677.2	123332428	123560740	1	minus
## 527	NC_030677.2	124117685	124192517	1	plus
## 528	NC_030677.2	124211157	124230751	1	plus
## 529	NC_030677.2	124316104	124316175	1	minus
## 530	NC_030677.2	124369726	124373101	1	minus
## 531	NC_030677.2	127269360	127269450	1	minus
## 532	NC_030677.2	127727817	127890424	1	plus
## 533	NC_030677.2	127932447	127935153	1	minus
## 534	NC_030677.2	128114979	128118994	1	plus
## 535	NC_030677.2	128126431	128126537	1	minus
## 536	NC_030677.2	128126526	128126641	1	plus
## 537	NC_030677.2	128748948	128753083	1	plus
## 538	NC_030677.2	128755580	128755669	1	plus
## 539	NC_030677.2	129406089	129411417	1	minus
## 540	NC_030677.2	129711749	129772757	1	plus
## 541	NC_030677.2	130015130	130015217	1	minus
## 542	NC_030677.2	132538344	132543666	1	plus
## 543	NC_030677.2	133012625	133017343	1	minus
## 544	NC_030677.2	134076492	134078676	1	minus
## 545	NC_030677.2	134239482	134239589	1	minus
## 546	NC_030677.2	134362516	134370001	1	plus
## 547	NC_030677.2	135663440	135663527	1	plus
## 548	NC_030677.2	135663664	135663759	1	plus
## 549	NC_030677.2	135664277	135664343	1	plus
## 550	NC_030677.2	135813286	135893523	1	minus
## 551	NC_030677.2	136462878	136475991	1	minus
## 552	NC_030677.2	136999718	137017863	1	minus
## 553	NC_030677.2	137087775	137089960	1	plus
## 554	NC_030677.2	138597809	138601982	1	plus
## 555	NC_030677.2	138597809	138601982	1	plus
## 556	NC_030677.2	139256992	139261945	1	minus
## 557	NC_030677.2	139777334	139777414	1	minus
## 558	NC_030677.2	140175925	140175997	1	plus
## 559	NC_030677.2	140305883	140330086	1	plus
## 560	NC_030677.2	140305883	140330086	1	plus
## 561	NC_030677.2	140305883	140330086	1	plus
## 562	NC_030677.2	140305883	140330086	1	plus
## 563	NC_030677.2	140305883	140330086	1	plus
## 564	NC_030677.2	140305883	140330086	1	plus
## 565	NC_030677.2	140521501	140529183	1	minus
## 566	NC_030677.2	140521501	140529183	1	minus
## 567	NC_030677.2	140547037	140548086	1	minus
## 568	NC_030677.2	140553901	140563446	1	minus
## 569	NC_030677.2	140553901	140563446	1	minus
## 570	NC_030677.2	140605500	140606447	1	minus
## 571	NC_030677.2	140679323	140680510	1	minus
## 572	NC_030677.2	140710350	140710989	1	minus
## 573	NC_030677.2	140710350	140710989	1	minus
## 574	NC_030677.2	140715179	140715671	1	minus
## 575	NC_030677.2	140715179	140715671	1	minus
## 576	NC_030677.2	140724316	140735303	1	minus
## 577	NC_030677.2	140724316	140735303	1	minus
## 578	NC_030677.2	140742563	140743050	1	minus
## 579	NC_030677.2	140742563	140743050	1	minus

## 580	NC_030677.2	140755539	140756020	1	minus
## 581	NC_030677.2	140755539	140756020	1	minus
## 582	NC_030677.2	140812045	140812564	1	minus
## 583	NC_030677.2	140812045	140812564	1	minus
## 584	NC_030677.2	140817042	140817527	1	minus
## 585	NC_030677.2	140817042	140817527	1	minus
## 586	NC_030677.2	140821773	140822234	1	minus
## 587	NC_030677.2	140821773	140822234	1	minus
## 588	NC_030677.2	140917115	140917652	1	minus
## 589	NC_030677.2	140917115	140917652	1	minus
## 590	NC_030677.2	140919836	140920336	1	minus
## 591	NC_030677.2	140919836	140920336	1	minus
## 592	NC_030677.2	140950165	140955507	1	minus
## 593	NC_030677.2	140950165	140955507	1	minus
## 594	NC_030677.2	140961702	140962227	1	minus
## 595	NC_030677.2	140961702	140962227	1	minus
## 596	NC_030677.2	140970253	140975918	1	minus
## 597	NC_030677.2	140970253	140975918	1	minus
## 598	NC_030677.2	140983735	140984307	1	minus
## 599	NC_030677.2	140983735	140984307	1	minus
## 600	NC_030677.2	141007992	141013572	1	minus
## 601	NC_030677.2	141007992	141013572	1	minus
## 602	NC_030677.2	141083445	141084621	1	minus
## 603	NC_030677.2	141083445	141084621	1	minus
## 604	NC_030677.2	141160594	141162106	1	minus
## 605	NC_030677.2	141160594	141162106	1	minus
## 606	NC_030677.2	141165189	141167206	1	minus
## 607	NC_030677.2	141165189	141167206	1	minus
## 608	NC_030677.2	141176323	141178012	1	minus
## 609	NC_030677.2	141176323	141178012	1	minus
## 610	NC_030677.2	141180967	141181446	1	minus
## 611	NC_030677.2	141180967	141181446	1	minus
## 612	NC_030677.2	141212000	141212431	1	minus
## 613	NC_030677.2	141212000	141212431	1	minus
## 614	NC_030677.2	141214734	141215177	1	minus
## 615	NC_030677.2	141214734	141215177	1	minus
## 616	NC_030677.2	141217894	141218342	1	minus
## 617	NC_030677.2	141217894	141218342	1	minus
## 618	NC_030677.2	141608962	141610014	1	minus
## 619	NC_030677.2	141608962	141610014	1	minus
## 620	NC_030677.2	141645770	141646524	1	minus
## 621	NC_030677.2	141645770	141646524	1	minus
## 622	NC_030677.2	141732256	141733673	1	minus
## 623	NC_030677.2	141762943	141763738	1	minus
## 624	NC_030677.2	141762943	141763738	1	minus
## 625	NC_030677.2	141766935	141768951	1	minus
## 626	NC_030677.2	141766935	141768951	1	minus
## 627	NC_030677.2	141830388	141830876	1	plus
## 628	NC_030677.2	141830388	141830876	1	plus
## 629	NC_030677.2	141834504	141834983	1	plus
## 630	NC_030677.2	141834504	141834983	1	plus
## 631	NC_030677.2	142773280	142773352	1	plus
## 632	NC_030677.2	142825772	142825843	1	plus
## 633	NC_030677.2	142825971	142826042	1	minus

## 634	NC_030677.2	142826419	142826490	1	plus
## 635	NC_030677.2	142852126	142855715	1	plus
## 636	NC_030677.2	142852126	142855715	1	plus
## 637	NC_030677.2	142852126	142855715	1	plus
## 638	NC_030677.2	142852126	142855715	1	plus
## 639	NC_030677.2	142854621	142854764	1	plus
## 640	NC_030677.2	142995002	142996629	1	minus
## 641	NC_030677.2	143329549	143330950	1	minus
## 642	NC_030677.2	143632907	143649266	1	plus
## 643	NC_030677.2	143866043	143918837	1	minus
## 644	NC_030677.2	143866043	143918837	1	minus
## 645	NC_030677.2	145684357	145757839	1	minus
## 646	NC_030677.2	145889600	145890799	1	plus
## 647	NC_030677.2	145965148	146013480	1	minus
## 648	NC_030677.2	145965148	146013480	1	minus
## 649	NC_030677.2	146063760	146079675	1	plus
## 650	NC_030677.2	146604756	146611157	1	minus
## 651	NC_030677.2	146604756	146611157	1	minus
## 652	NC_030677.2	147029380	147029575	1	minus
## 653	NC_030677.2	147440038	147442624	1	minus
## 654	NC_030677.2	147516377	147618055	1	plus
## 655	NC_030677.2	147688454	147690243	1	plus
## 656	NC_030677.2	147873851	147876071	1	minus
## 657	NC_030677.2	148613342	148620478	1	minus
## 658	NC_030677.2	148984921	149005570	1	plus
## 659	NC_030677.2	148984921	149005570	1	plus
## 660	NC_030677.2	149125518	149130391	1	plus
## 661	NC_030677.2	150101079	150403852	1	minus
## 662	NC_030677.2	150261101	150261208	1	minus
## 663	NC_030677.2	151016683	151017358	1	plus
## 664	NC_030677.2	151457769	151501157	1	plus
## 665	NC_030677.2	151629508	151629611	1	plus
## 666	NC_030677.2	151632356	151632496	1	minus
## 667	NC_030677.2	151638162	151638302	1	minus
## 668	NC_030677.2	152195780	152234059	1	plus
## 669	NC_030677.2	152985121	152991675	1	minus
## 670	NC_030677.2	153221517	153222284	1	plus
## 671	NC_030677.2	153221517	153222284	1	plus
## 672	NC_030677.2	153225019	153226004	1	plus
## 673	NC_030677.2	153225019	153226004	1	plus
## 674	NC_030677.2	153232148	153232678	1	plus
## 675	NC_030677.2	153232148	153232678	1	plus
## 676	NC_030677.2	153237899	153238410	1	plus
## 677	NC_030677.2	153237899	153238410	1	plus
## 678	NC_030677.2	153242581	153243212	1	plus
## 679	NC_030677.2	153242581	153243212	1	plus
## 680	NC_030677.2	153244682	153245157	1	plus
## 681	NC_030677.2	153244682	153245157	1	plus
## 682	NC_030677.2	153253105	153253909	1	plus
## 683	NC_030677.2	153253105	153253909	1	plus
## 684	NC_030677.2	153258953	153259583	1	plus
## 685	NC_030677.2	153258953	153259583	1	plus
## 686	NC_030677.2	153272964	153273441	1	plus
## 687	NC_030677.2	153284841	153285332	1	plus

## 688	NC_030677.2	153284841	153285332	1	plus
## 689	NC_030677.2	153296043	153296609	1	plus
## 690	NC_030677.2	153296043	153296609	1	plus
## 691	NC_030677.2	153299665	153300333	1	plus
## 692	NC_030677.2	153299665	153300333	1	plus
## 693	NC_030677.2	153309339	153310193	1	plus
## 694	NC_030677.2	153309339	153310193	1	plus
## 695	NC_030677.2	153316975	153317577	1	plus
## 696	NC_030677.2	153316975	153317577	1	plus
## 697	NC_030677.2	153339660	153342064	1	plus
## 698	NC_030677.2	153346813	153347415	1	plus
## 699	NC_030677.2	153346813	153347415	1	plus
## 700	NC_030677.2	153351539	153352224	1	plus
## 701	NC_030677.2	153351539	153352224	1	plus
## 702	NC_030677.2	153865912	153865987	1	minus
## 703	NC_030677.2	153868044	153868146	1	minus
## 704	NC_030677.2	153873917	153873989	1	minus
## 705	NC_030677.2	153874762	153874832	1	minus
## 706	NC_030677.2	153917067	153943960	1	minus
## 707	NC_030677.2	153917067	153943960	1	minus
## 708	NC_030677.2	153917067	153943960	1	minus
## 709	NC_030677.2	153917067	153943960	1	minus
## 710	NC_030677.2	154459419	154463672	1	minus
## 711	NC_030677.2	154459419	154463672	1	minus
## 712	NC_030677.2	154626744	154636280	1	minus
## 713	NC_030677.2	155381508	155381639	1	plus
## 714	NC_030677.2	155532814	155533694	1	minus
## 715	NC_030677.2	156565403	156565530	1	minus
## 716	NC_030677.2	156567452	156567579	1	minus
## 717	NC_030677.2	157581333	157588184	1	plus
## 718	NC_030677.2	157769667	157778366	1	minus
## 719	NC_030677.2	158830974	158911684	1	minus
## 720	NC_030677.2	160115740	160115811	1	minus
## 721	NC_030677.2	160116657	160116728	1	plus
## 722	NC_030677.2	160118097	160119907	1	minus
## 723	NC_030677.2	160124203	160124275	1	plus
## 724	NC_030677.2	160124671	160124742	1	plus
## 725	NC_030677.2	160470158	160470251	1	plus
## 726	NC_030677.2	161082437	161083021	1	minus
## 727	NC_030677.2	161880192	161882966	1	plus
## 728	NC_030677.2	162070659	162076103	1	plus
## 729	NC_030677.2	162160072	162175405	1	plus
## 730	NC_030677.2	162160072	162175405	1	plus
## 731	NC_030677.2	162160072	162175405	1	plus
## 732	NC_030677.2	162160072	162175405	1	plus
## 733	NC_030677.2	162160072	162175405	1	plus
## 734	NC_030677.2	162212827	162214246	1	minus
## 735	NC_030677.2	162491638	162558664	1	plus
## 736	NC_030677.2	162691024	162721802	1	plus
## 737	NC_030677.2	162691024	162721802	1	plus
## 738	NC_030677.2	163671272	163690373	1	plus
## 739	NC_030677.2	165292420	165294783	1	minus
## 740	NC_030677.2	165592731	165595160	1	minus
## 741	NC_030677.2	167458841	167461916	1	plus

## 742	NC_030677.2	167458841	167461916	1	plus
## 743	NC_030677.2	167460879	167460953	1	plus
## 744	NC_030677.2	168182448	168185691	1	minus
## 745	NC_030677.2	169074880	169077299	1	plus
## 746	NC_030677.2	169308581	169388647	1	minus
## 747	NC_030677.2	169611648	169613069	1	minus
## 748	NC_030677.2	169988370	169989836	1	minus
## 749	NC_030677.2	169993504	170315147	1	plus
## 750	NC_030677.2	169993504	170315147	1	plus
## 751	NC_030677.2	169993504	170315147	1	plus
## 752	NC_030677.2	170432013	170435091	1	plus
## 753	NC_030677.2	170974695	170977120	1	plus
## 754	NC_030677.2	172719059	172883227	1	plus
## 755	NC_030677.2	173259811	173273932	1	plus
## 756	NC_030677.2	173259811	173273932	1	plus
## 757	NC_030677.2	173259811	173273932	1	plus
## 758	NC_030677.2	176358565	176365066	1	plus
## 759	NC_030677.2	176812034	176813115	1	plus
## 760	NC_030677.2	176812034	176813115	1	plus
## 761	NC_030677.2	176822879	176823768	1	minus
## 762	NC_030677.2	178178856	178205294	1	plus
## 763	NC_030677.2	178178856	178205294	1	plus
## 764	NC_030677.2	178178856	178205294	1	plus
## 765	NC_030677.2	178178856	178205294	1	plus
## 766	NC_030677.2	178701154	178704217	1	plus
## 767	NC_030677.2	179218878	179222914	1	plus
## 768	NC_030677.2	179394622	179429721	1	minus
## 769	NC_030677.2	179519852	179524712	1	minus
## 770	NC_030677.2	179534573	179534657	1	plus
## 771	NC_030677.2	179603160	179607961	1	plus
## 772	NC_030677.2	179691672	179719671	1	minus
## 773	NC_030677.2	180067391	180067452	1	minus
## 774	NC_030677.2	180069307	180069379	1	minus
## 775	NC_030677.2	180824876	180842323	1	minus
## 776	NC_030677.2	181028790	181033997	1	plus
## 777	NC_030677.2	181731482	181732919	1	plus
## 778	NC_030677.2	182042667	182049826	1	plus
## 779	NC_030677.2	182386085	182388166	1	plus
## 780	NC_030677.2	182585339	182590861	1	minus
## 781	NC_030677.2	182607728	182608606	1	minus
## 782	NC_030677.2	183995148	184020611	1	plus
## 783	NC_030677.2	184187706	184195331	1	minus
## 784	NC_030677.2	184252659	184254078	1	plus
## 785	NC_030677.2	184639735	184639837	1	plus
## 786	NC_030677.2	184992970	184993117	1	plus
## 787	NC_030677.2	185365369	185367499	1	minus
## 788	NC_030677.2	185619903	185620854	1	plus
## 789	NC_030677.2	186212658	186214512	1	plus
## 790	NC_030677.2	186212658	186214512	1	plus
## 791	NC_030677.2	186214788	186215071	1	plus
## 792	NC_030677.2	186246793	186254659	1	plus
## 793	NC_030677.2	186252622	186278091	1	minus
## 794	NC_030677.2	186252622	186278091	1	minus
## 795	NC_030677.2	186286134	186287530	1	plus

## 796	NC_030677.2	186292733	186296751	1	plus
## 797	NC_030677.2	186335595	186336264	1	minus
## 798	NC_030677.2	186341954	186342214	1	minus
## 799	NC_030677.2	186363114	186366736	1	minus
## 800	NC_030677.2	186370285	186378085	1	plus
## 801	NC_030677.2	186995118	186996935	1	plus
## 802	NC_030677.2	188660948	188662341	1	minus
## 803	NC_030677.2	189472411	189474646	1	plus
## 804	NC_030677.2	189472411	189474646	1	plus
## 805	NC_030677.2	189613793	189678371	1	plus
## 806	NC_030677.2	190364762	190369534	1	minus
## 807	NC_030677.2	190628961	190639059	1	minus
## 808	NC_030677.2	190708701	190711512	1	minus
## 809	NC_030677.2	190713648	190716514	1	plus
## 810	NC_030677.2	190776610	190784506	1	plus
## 811	NC_030677.2	190776610	190784506	1	plus
## 812	NC_030677.2	190776610	190784506	1	plus
## 813	NC_030677.2	190776610	190784506	1	plus
## 814	NC_030677.2	190776610	190784506	1	plus
## 815	NC_030677.2	190776610	190784506	1	plus
## 816	NC_030677.2	190776610	190784506	1	plus
## 817	NC_030677.2	190791776	190794591	1	plus
## 818	NC_030677.2	191391324	191395346	1	plus
## 819	NC_030677.2	191402260	191402406	1	plus
## 820	NC_030677.2	191412156	191412294	1	plus
## 821	NC_030677.2	191412691	191412854	1	plus
## 822	NC_030677.2	191413672	191413835	1	plus
## 823	NC_030677.2	191414232	191414395	1	plus
## 824	NC_030677.2	191415213	191415376	1	plus
## 825	NC_030677.2	191415773	191415936	1	plus
## 826	NC_030677.2	191416332	191416495	1	plus
## 827	NC_030677.2	191417313	191417476	1	plus
## 828	NC_030677.2	191417873	191418036	1	plus
## 829	NC_030677.2	191418854	191419017	1	plus
## 830	NC_030677.2	191419414	191419577	1	plus
## 831	NC_030677.2	191420395	191420558	1	plus
## 832	NC_030677.2	191420955	191421118	1	plus
## 833	NC_030677.2	191421936	191422099	1	plus
## 834	NC_030677.2	191422496	191422659	1	plus
## 835	NC_030677.2	191447238	191447401	1	plus
## 836	NC_030677.2	191448039	191448202	1	plus
## 837	NC_030677.2	191449849	191450012	1	plus
## 838	NC_030677.2	191455334	191455497	1	plus
## 839	NC_030677.2	191769239	191769331	1	plus
## 840	NC_030677.2	191769481	191769566	1	plus
## 841	NC_030677.2	191769623	191769709	1	plus
## 842	NC_030677.2	192079340	192084925	1	minus
## 843	NC_030677.2	192090543	192096129	1	minus
## 844	NC_030677.2	193839022	193839668	1	plus
## 845	NC_030677.2	195005606	195019703	1	plus
## 846	NC_030677.2	195005606	195019703	1	plus
## 847	NC_030677.2	195886631	195895779	1	plus
## 848	NC_030677.2	195891679	195891756	1	plus
## 849	NC_030677.2	195895528	195895605	1	plus

## 850	NC_030677.2	196683357	196694184	1	plus
## 851	NC_030677.2	196812486	196820908	1	plus
## 852	NC_030677.2	196832848	196834198	1	minus
## 853	NC_030677.2	196835380	196836739	1	minus
## 854	NC_030677.2	196878197	196885458	1	minus
## 855	NC_030677.2	197792968	197851884	1	plus
## 856	NC_030677.2	197792968	197851884	1	plus
## 857	NC_030677.2	197792968	197851884	1	plus
## 858	NC_030677.2	197792968	197851884	1	plus
## 859	NC_030677.2	197792968	197851884	1	plus
## 860	NC_030677.2	197792968	197851884	1	plus
## 861	NC_030677.2	198090126	198096665	1	plus
## 862	NC_030677.2	200124865	200136090	1	plus
## 863	NC_030677.2	200239495	200274374	1	minus
## 864	NC_030677.2	200253130	200253264	1	minus
## 865	NC_030677.2	200254172	200254306	1	minus
## 866	NC_030677.2	200262101	200262233	1	minus
## 867	NC_030677.2	200692664	200696543	1	plus
## 868	NC_030677.2	200959934	200960526	1	minus
## 869	NC_030677.2	200965234	200968366	1	minus
## 870	NC_030677.2	201485207	201486855	1	minus
## 871	NC_030677.2	201700027	201700095	1	minus
## 872	NC_030677.2	202451117	202451590	1	plus
## 873	NC_030677.2	203062158	203069233	1	minus
## 874	NC_030677.2	203424064	203425988	1	plus
## 875	NC_030677.2	205231991	205232075	1	plus
## 876	NC_030677.2	205236398	205237289	1	minus
## 877	NC_030677.2	205528263	205529926	1	plus
## 878	NC_030677.2	205947007	205947073	1	minus
## 879	NC_030677.2	205947740	205947806	1	minus
## 880	NC_030677.2	205949033	205949100	1	minus
## 881	NC_030677.2	205950207	205950278	1	minus
## 882	NC_030677.2	205950608	205950678	1	minus
## 883	NC_030677.2	205976373	205978768	1	minus
## 884	NC_030677.2	207065979	207098291	1	minus
## 885	NC_030677.2	207504623	207641489	1	minus
## 886	NC_030677.2	207504623	207641489	1	minus
## 887	NC_030677.2	210069093	210817129	1	plus
## 888	NC_030677.2	210069093	210817129	1	plus
## 889	NC_030677.2	210443935	210444490	1	minus
## 890	NC_030677.2	211199755	211199835	1	plus
## 891	NC_030677.2	211202742	211202822	1	plus
## 892	NC_030677.2	211203841	211203923	1	plus
## 893	NC_030677.2	211238183	211240872	1	minus
## 894	NC_030677.2	211353901	211356031	1	plus
## 895	NC_030677.2	211353901	211356031	1	plus
## 896	NC_030677.2	211353901	211356031	1	plus
## 897	NC_030677.2	211877632	211889694	1	minus
## 898	NC_030677.2	211877632	211889694	1	minus
## 899	NC_030677.2	212040374	212077383	1	plus
## 900	NC_030677.2	212717544	212750758	1	plus
## 901	NC_030677.2	212717544	212750758	1	plus
## 902	NC_030677.2	212717544	212750758	1	plus
## 903	NC_030677.2	212855723	212862587	1	minus

## 904	NC_030677.2	212855723	212862587	1	minus
## 905	NC_030677.2	212855723	212862587	1	minus
## 906	NC_030677.2	212855723	212862587	1	minus
## 907	NC_030677.2	213206785	213208493	1	minus
## 908	NC_030677.2	213412834	213415798	1	minus
## 909	NC_030677.2	213496970	213497755	1	plus
## 910	NC_030677.2	214389592	214392385	1	minus
## 911	NC_030677.2	214514577	214517223	1	minus
## 912	NC_030677.2	215081540	215146827	1	minus
## 913	NC_030677.2	215081540	215146827	1	minus
## 914	NC_030677.2	215507881	215513278	1	minus
## 915	NC_030677.2	215523539	215535885	1	plus
## 916	NC_030677.2	215523539	215535885	1	plus
## 917	NC_030677.2	215916763	215918449	1	plus
## 918	NC_030677.2	215916763	215918449	1	plus
## 919	NC_030677.2	217010873	217012746	1	minus
## 920	NC_030677.2	217277937	217294155	1	plus
## 921	NC_030677.2	217331931	217332097	1	plus
## 922	NC_030677.2	217341388	217342363	1	plus
## 923	NC_030677.2	217361138	217361303	1	plus
## 924	NC_030677.2	217380239	217381348	1	plus
## 925	NC_030677.2	217413693	217413850	1	plus
## 926	NC_030677.2	217419264	217419418	1	plus
## 927	NC_030678.2	582741	584389	2	minus
## 928	NC_030678.2	681069	686180	2	plus
## 929	NC_030678.2	681069	686180	2	plus
## 930	NC_030678.2	681069	686180	2	plus
## 931	NC_030678.2	703697	703817	2	plus
## 932	NC_030678.2	704228	704344	2	plus
## 933	NC_030678.2	715831	715949	2	minus
## 934	NC_030678.2	716095	716213	2	minus
## 935	NC_030678.2	716359	716477	2	minus
## 936	NC_030678.2	716623	716741	2	minus
## 937	NC_030678.2	716887	717005	2	minus
## 938	NC_030678.2	717151	717269	2	minus
## 939	NC_030678.2	717415	717533	2	minus
## 940	NC_030678.2	717679	717797	2	minus
## 941	NC_030678.2	717943	718061	2	minus
## 942	NC_030678.2	718207	718325	2	minus
## 943	NC_030678.2	718471	718589	2	minus
## 944	NC_030678.2	718735	718853	2	minus
## 945	NC_030678.2	719001	719118	2	minus
## 946	NC_030678.2	719264	719382	2	minus
## 947	NC_030678.2	719528	719646	2	minus
## 948	NC_030678.2	719792	719910	2	minus
## 949	NC_030678.2	720056	720174	2	minus
## 950	NC_030678.2	720320	720438	2	minus
## 951	NC_030678.2	720584	720702	2	minus
## 952	NC_030678.2	720848	720966	2	minus
## 953	NC_030678.2	721112	721230	2	minus
## 954	NC_030678.2	721376	721494	2	minus
## 955	NC_030678.2	721640	721758	2	minus
## 956	NC_030678.2	721904	722022	2	minus
## 957	NC_030678.2	722168	722286	2	minus

## 958	NC_030678.2	722432	722550	2	minus
## 959	NC_030678.2	722696	722814	2	minus
## 960	NC_030678.2	722960	723078	2	minus
## 961	NC_030678.2	723224	723342	2	minus
## 962	NC_030678.2	723488	723606	2	minus
## 963	NC_030678.2	830542	835702	2	plus
## 964	NC_030678.2	1067504	1073439	2	minus
## 965	NC_030678.2	1165193	1245273	2	minus
## 966	NC_030678.2	1267026	1267144	2	plus
## 967	NC_030678.2	1267306	1267424	2	plus
## 968	NC_030678.2	1267570	1267688	2	plus
## 969	NC_030678.2	1369382	1370451	2	minus
## 970	NC_030678.2	1407611	1409465	2	plus
## 971	NC_030678.2	1569424	1570484	2	plus
## 972	NC_030678.2	1569424	1570484	2	plus
## 973	NC_030678.2	1569424	1570484	2	plus
## 974	NC_030678.2	1569424	1570484	2	plus
## 975	NC_030678.2	1569424	1570484	2	plus
## 976	NC_030678.2	1776880	1778840	2	plus
## 977	NC_030678.2	1811490	1812524	2	minus
## 978	NC_030678.2	2817213	2819285	2	plus
## 979	NC_030678.2	3080834	3104919	2	minus
## 980	NC_030678.2	3530792	3530888	2	minus
## 981	NC_030678.2	3936770	4033629	2	minus
## 982	NC_030678.2	3995837	3995935	2	minus
## 983	NC_030678.2	6779172	6805158	2	minus
## 984	NC_030678.2	6805582	6805653	2	plus
## 985	NC_030678.2	6807126	6807197	2	plus
## 986	NC_030678.2	6808900	6808971	2	minus
## 987	NC_030678.2	6811016	6830055	2	plus
## 988	NC_030678.2	8109991	8112870	2	minus
## 989	NC_030678.2	8131815	8137520	2	minus
## 990	NC_030678.2	8131815	8137520	2	minus
## 991	NC_030678.2	8132855	8132990	2	minus
## 992	NC_030678.2	8135296	8135429	2	minus
## 993	NC_030678.2	8136327	8136462	2	minus
## 994	NC_030678.2	8136697	8136830	2	minus
## 995	NC_030678.2	8145131	8145204	2	minus
## 996	NC_030678.2	8145447	8145518	2	minus
## 997	NC_030678.2	8532066	8537876	2	plus
## 998	NC_030678.2	8563450	8565560	2	plus
## 999	NC_030678.2	8799456	8800142	2	plus
## 1000	NC_030678.2	9027772	9046262	2	plus
## 1001	NC_030678.2	9027772	9046262	2	plus
## 1002	NC_030678.2	9027772	9046262	2	plus
## 1003	NC_030678.2	9685057	9686469	2	plus
## 1004	NC_030678.2	9685057	9686469	2	plus
## 1005	NC_030678.2	9712857	9730040	2	plus
## 1006	NC_030678.2	9980267	10017444	2	plus
## 1007	NC_030678.2	10086746	10101886	2	plus
## 1008	NC_030678.2	10261493	10263892	2	minus
## 1009	NC_030678.2	10379584	10398332	2	plus
## 1010	NC_030678.2	10517367	10517972	2	plus
## 1011	NC_030678.2	10560336	10560407	2	plus

## 1012	NC_030678.2	10560636	10560709	2	plus
## 1013	NC_030678.2	10592751	10592824	2	minus
## 1014	NC_030678.2	10593067	10593138	2	minus
## 1015	NC_030678.2	10593728	10593801	2	minus
## 1016	NC_030678.2	10594044	10594115	2	minus
## 1017	NC_030678.2	11483516	11486729	2	minus
## 1018	NC_030678.2	11756884	11757644	2	minus
## 1019	NC_030678.2	11825644	11825774	2	plus
## 1020	NC_030678.2	12678145	12770923	2	plus
## 1021	NC_030678.2	12678145	12770923	2	plus
## 1022	NC_030678.2	13239821	13331542	2	minus
## 1023	NC_030678.2	13339942	13404537	2	minus
## 1024	NC_030678.2	13424006	13431374	2	plus
## 1025	NC_030678.2	14693018	14710391	2	plus
## 1026	NC_030678.2	15540445	15545447	2	plus
## 1027	NC_030678.2	15580457	15584850	2	minus
## 1028	NC_030678.2	16478142	16498512	2	minus
## 1029	NC_030678.2	16995011	16998763	2	minus
## 1030	NC_030678.2	17662854	17664396	2	minus
## 1031	NC_030678.2	18779418	18779486	2	minus
## 1032	NC_030678.2	19002285	19006595	2	minus
## 1033	NC_030678.2	19016879	19020920	2	minus
## 1034	NC_030678.2	19356741	19372401	2	minus
## 1035	NC_030678.2	19692076	19702009	2	plus
## 1036	NC_030678.2	20807367	20809764	2	plus
## 1037	NC_030678.2	21886190	21890188	2	minus
## 1038	NC_030678.2	23066701	23077232	2	plus
## 1039	NC_030678.2	24733814	24735214	2	minus
## 1040	NC_030678.2	25048964	25049122	2	plus
## 1041	NC_030678.2	25310105	25331379	2	minus
## 1042	NC_030678.2	26473305	26473867	2	minus
## 1043	NC_030678.2	27182803	27403239	2	plus
## 1044	NC_030678.2	27182803	27403239	2	plus
## 1045	NC_030678.2	27182803	27403239	2	plus
## 1046	NC_030678.2	27314084	27314154	2	plus
## 1047	NC_030678.2	27314770	27314863	2	plus
## 1048	NC_030678.2	27401600	27401684	2	plus
## 1049	NC_030678.2	27425879	27441224	2	minus
## 1050	NC_030678.2	27576835	27580594	2	plus
## 1051	NC_030678.2	27591146	27591924	2	plus
## 1052	NC_030678.2	27618296	27620431	2	plus
## 1053	NC_030678.2	27626828	27631215	2	plus
## 1054	NC_030678.2	27643406	27644248	2	plus
## 1055	NC_030678.2	28040548	28045900	2	minus
## 1056	NC_030678.2	28095252	28104724	2	minus
## 1057	NC_030678.2	28108632	28109789	2	minus
## 1058	NC_030678.2	28126937	28128463	2	minus
## 1059	NC_030678.2	28138221	28143925	2	minus
## 1060	NC_030678.2	28139369	28140311	2	plus
## 1061	NC_030678.2	28145930	28146876	2	plus
## 1062	NC_030678.2	28148778	28157322	2	minus
## 1063	NC_030678.2	28148778	28157322	2	minus
## 1064	NC_030678.2	28211471	28228528	2	minus
## 1065	NC_030678.2	28211471	28228528	2	minus

## 1066	NC_030678.2	28228969	28251956	2	minus
## 1067	NC_030678.2	28680782	28683170	2	plus
## 1068	NC_030678.2	28680782	28683170	2	plus
## 1069	NC_030678.2	28687682	28695409	2	plus
## 1070	NC_030678.2	28725229	28728442	2	plus
## 1071	NC_030678.2	28778429	28781753	2	plus
## 1072	NC_030678.2	28793719	28794872	2	plus
## 1073	NC_030678.2	28825530	28827478	2	minus
## 1074	NC_030678.2	28837240	28843864	2	minus
## 1075	NC_030678.2	28846131	28853590	2	minus
## 1076	NC_030678.2	28916399	28916932	2	plus
## 1077	NC_030678.2	28917565	28918529	2	plus
## 1078	NC_030678.2	28921262	28925884	2	minus
## 1079	NC_030678.2	28921262	28925884	2	minus
## 1080	NC_030678.2	28929877	28934960	2	minus
## 1081	NC_030678.2	28936036	28955374	2	minus
## 1082	NC_030678.2	28970229	28986265	2	minus
## 1083	NC_030678.2	29010603	29025989	2	plus
## 1084	NC_030678.2	29032247	29037143	2	plus
## 1085	NC_030678.2	29032247	29037143	2	plus
## 1086	NC_030678.2	29032247	29037143	2	plus
## 1087	NC_030678.2	29032247	29037143	2	plus
## 1088	NC_030678.2	29323347	29369751	2	minus
## 1089	NC_030678.2	29516174	29519386	2	plus
## 1090	NC_030678.2	29594946	29611935	2	plus
## 1091	NC_030678.2	29893434	29935674	2	minus
## 1092	NC_030678.2	29893434	29935674	2	minus
## 1093	NC_030678.2	29893434	29935674	2	minus
## 1094	NC_030678.2	29893434	29935674	2	minus
## 1095	NC_030678.2	29893434	29935674	2	minus
## 1096	NC_030678.2	29893434	29935674	2	minus
## 1097	NC_030678.2	29893434	29935674	2	minus
## 1098	NC_030678.2	30156419	30183520	2	plus
## 1099	NC_030678.2	30359710	30367973	2	plus
## 1100	NC_030678.2	31161015	31167848	2	plus
## 1101	NC_030678.2	31593153	31599702	2	plus
## 1102	NC_030678.2	31593153	31599702	2	plus
## 1103	NC_030678.2	32038574	32073562	2	minus
## 1104	NC_030678.2	33077777	33340450	2	plus
## 1105	NC_030678.2	33440614	33443991	2	plus
## 1106	NC_030678.2	33590102	33598047	2	minus
## 1107	NC_030678.2	33920704	33931353	2	minus
## 1108	NC_030678.2	34016188	34022804	2	minus
## 1109	NC_030678.2	34029841	34060842	2	plus
## 1110	NC_030678.2	34029841	34060842	2	plus
## 1111	NC_030678.2	34087197	34089199	2	plus
## 1112	NC_030678.2	34088294	34088355	2	plus
## 1113	NC_030678.2	34089002	34089063	2	plus
## 1114	NC_030678.2	34584117	34591570	2	minus
## 1115	NC_030678.2	34993654	35005963	2	plus
## 1116	NC_030678.2	34993654	35005963	2	plus
## 1117	NC_030678.2	35189858	35198516	2	plus
## 1118	NC_030678.2	35260761	35260856	2	plus
## 1119	NC_030678.2	35266264	35266350	2	plus

## 1120	NC_030678.2	35293733	35293814	2	minus
## 1121	NC_030678.2	36202374	36254154	2	plus
## 1122	NC_030678.2	36202374	36254154	2	plus
## 1123	NC_030678.2	36202374	36254154	2	plus
## 1124	NC_030678.2	36202374	36254154	2	plus
## 1125	NC_030678.2	36290987	36295624	2	minus
## 1126	NC_030678.2	37921111	37921325	2	plus
## 1127	NC_030678.2	37921862	37922071	2	plus
## 1128	NC_030678.2	37922608	37922822	2	plus
## 1129	NC_030678.2	37923359	37923573	2	plus
## 1130	NC_030678.2	37924110	37924324	2	plus
## 1131	NC_030678.2	37924861	37925075	2	plus
## 1132	NC_030678.2	37925612	37925826	2	plus
## 1133	NC_030678.2	37926363	37926577	2	plus
## 1134	NC_030678.2	37927114	37927328	2	plus
## 1135	NC_030678.2	37927865	37928079	2	plus
## 1136	NC_030678.2	37928616	37928830	2	plus
## 1137	NC_030678.2	37929367	37929581	2	plus
## 1138	NC_030678.2	37930118	37930332	2	plus
## 1139	NC_030678.2	37930869	37931083	2	plus
## 1140	NC_030678.2	37931621	37931835	2	plus
## 1141	NC_030678.2	37932372	37932586	2	plus
## 1142	NC_030678.2	37933123	37933337	2	plus
## 1143	NC_030678.2	37933874	37934088	2	plus
## 1144	NC_030678.2	37934625	37934839	2	plus
## 1145	NC_030678.2	37935376	37935590	2	plus
## 1146	NC_030678.2	37936127	37936341	2	plus
## 1147	NC_030678.2	37936878	37937092	2	plus
## 1148	NC_030678.2	37937629	37937843	2	plus
## 1149	NC_030678.2	37938380	37938594	2	plus
## 1150	NC_030678.2	37939131	37939345	2	plus
## 1151	NC_030678.2	37939882	37940096	2	plus
## 1152	NC_030678.2	37940633	37940847	2	plus
## 1153	NC_030678.2	37941384	37941598	2	plus
## 1154	NC_030678.2	37942135	37942349	2	plus
## 1155	NC_030678.2	37942886	37943100	2	plus
## 1156	NC_030678.2	37943637	37943851	2	plus
## 1157	NC_030678.2	37944388	37944602	2	plus
## 1158	NC_030678.2	37945139	37945353	2	plus
## 1159	NC_030678.2	37945890	37946104	2	plus
## 1160	NC_030678.2	37946641	37946855	2	plus
## 1161	NC_030678.2	37947392	37947606	2	plus
## 1162	NC_030678.2	37948143	37948357	2	plus
## 1163	NC_030678.2	37948894	37949108	2	plus
## 1164	NC_030678.2	37949645	37949860	2	plus
## 1165	NC_030678.2	37950396	37950610	2	plus
## 1166	NC_030678.2	37951146	37951360	2	plus
## 1167	NC_030678.2	37969626	37969840	2	minus
## 1168	NC_030678.2	37970376	37970587	2	minus
## 1169	NC_030678.2	37971121	37971333	2	minus
## 1170	NC_030678.2	37971868	37972083	2	minus
## 1171	NC_030678.2	37972617	37972828	2	minus
## 1172	NC_030678.2	37973352	37973567	2	minus
## 1173	NC_030678.2	37974103	37974315	2	minus

## 1174	NC_030678.2	37974843	37975056	2	minus
## 1175	NC_030678.2	37975588	37975801	2	minus
## 1176	NC_030678.2	37976330	37976543	2	minus
## 1177	NC_030678.2	37977069	37977283	2	minus
## 1178	NC_030678.2	37977403	37977617	2	plus
## 1179	NC_030678.2	37978154	37978360	2	plus
## 1180	NC_030678.2	37986602	37986816	2	plus
## 1181	NC_030678.2	39012034	39017881	2	minus
## 1182	NC_030678.2	41461298	41552673	2	plus
## 1183	NC_030678.2	41461298	41552673	2	plus
## 1184	NC_030678.2	42598924	42605067	2	plus
## 1185	NC_030678.2	42598924	42605067	2	plus
## 1186	NC_030678.2	42598924	42605067	2	plus
## 1187	NC_030678.2	42786084	42790546	2	plus
## 1188	NC_030678.2	42792005	42792090	2	plus
## 1189	NC_030678.2	42793219	42793304	2	plus
## 1190	NC_030678.2	43714050	43727432	2	plus
## 1191	NC_030678.2	44496153	44501328	2	minus
## 1192	NC_030678.2	44720168	44720285	2	plus
## 1193	NC_030678.2	45004039	45004111	2	minus
## 1194	NC_030678.2	45326634	45339497	2	minus
## 1195	NC_030678.2	45327245	45327336	2	minus
## 1196	NC_030678.2	45439360	45447548	2	minus
## 1197	NC_030678.2	45534683	45535202	2	plus
## 1198	NC_030678.2	45580841	45597172	2	minus
## 1199	NC_030678.2	45726355	45728836	2	minus
## 1200	NC_030678.2	46014797	46018035	2	minus
## 1201	NC_030678.2	46144992	46145098	2	minus
## 1202	NC_030678.2	46181045	46181151	2	minus
## 1203	NC_030678.2	46182027	46182133	2	minus
## 1204	NC_030678.2	46183009	46183115	2	minus
## 1205	NC_030678.2	46183991	46184097	2	minus
## 1206	NC_030678.2	46184973	46185079	2	minus
## 1207	NC_030678.2	46185955	46186061	2	minus
## 1208	NC_030678.2	46186937	46187043	2	minus
## 1209	NC_030678.2	46187919	46188025	2	minus
## 1210	NC_030678.2	46188901	46189007	2	minus
## 1211	NC_030678.2	46189883	46189989	2	minus
## 1212	NC_030678.2	46190865	46190971	2	minus
## 1213	NC_030678.2	46191847	46191953	2	minus
## 1214	NC_030678.2	46192829	46192935	2	minus
## 1215	NC_030678.2	46193811	46193917	2	minus
## 1216	NC_030678.2	46194793	46194899	2	minus
## 1217	NC_030678.2	46195775	46195881	2	minus
## 1218	NC_030678.2	46196757	46196863	2	minus
## 1219	NC_030678.2	47068799	47069539	2	plus
## 1220	NC_030678.2	47369536	47380887	2	minus
## 1221	NC_030678.2	47940931	47975642	2	minus
## 1222	NC_030678.2	48011792	48030515	2	minus
## 1223	NC_030678.2	48180155	48181509	2	minus
## 1224	NC_030678.2	49425212	49435010	2	plus
## 1225	NC_030678.2	49456127	49521448	2	minus
## 1226	NC_030678.2	49749999	49756143	2	plus
## 1227	NC_030678.2	49760343	49779691	2	plus

## 1228	NC_030678.2	49760343	49779691	2	plus
## 1229	NC_030678.2	49781869	49783355	2	plus
## 1230	NC_030678.2	49785117	49790641	2	plus
## 1231	NC_030678.2	49799683	49806743	2	plus
## 1232	NC_030678.2	49799683	49806743	2	plus
## 1233	NC_030678.2	50592580	50595537	2	plus
## 1234	NC_030678.2	50706037	50707950	2	minus
## 1235	NC_030678.2	50855760	50855831	2	plus
## 1236	NC_030678.2	50857077	50857148	2	plus
## 1237	NC_030678.2	50864193	50864264	2	plus
## 1238	NC_030678.2	51045412	51051142	2	minus
## 1239	NC_030678.2	51243431	51250944	2	minus
## 1240	NC_030678.2	51245682	51245767	2	minus
## 1241	NC_030678.2	52270359	52272814	2	plus
## 1242	NC_030678.2	52333788	52333867	2	plus
## 1243	NC_030678.2	52336921	52337010	2	plus
## 1244	NC_030678.2	52395377	52396274	2	minus
## 1245	NC_030678.2	52710902	52715000	2	plus
## 1246	NC_030678.2	52780262	52781543	2	plus
## 1247	NC_030678.2	52786931	52787002	2	minus
## 1248	NC_030678.2	52787683	52787754	2	minus
## 1249	NC_030678.2	52789296	52789367	2	minus
## 1250	NC_030678.2	52790040	52790111	2	minus
## 1251	NC_030678.2	52791653	52791724	2	minus
## 1252	NC_030678.2	52792405	52792476	2	minus
## 1253	NC_030678.2	52794018	52794089	2	minus
## 1254	NC_030678.2	52794764	52794835	2	minus
## 1255	NC_030678.2	52796377	52796448	2	minus
## 1256	NC_030678.2	52797129	52797200	2	minus
## 1257	NC_030678.2	52798742	52798813	2	minus
## 1258	NC_030678.2	52799489	52799560	2	minus
## 1259	NC_030678.2	52801102	52801173	2	minus
## 1260	NC_030678.2	52801848	52801919	2	minus
## 1261	NC_030678.2	52803461	52803532	2	minus
## 1262	NC_030678.2	52804213	52804284	2	minus
## 1263	NC_030678.2	52805826	52805897	2	minus
## 1264	NC_030678.2	52806578	52806649	2	minus
## 1265	NC_030678.2	52808191	52808262	2	minus
## 1266	NC_030678.2	52808943	52809014	2	minus
## 1267	NC_030678.2	52810556	52810627	2	minus
## 1268	NC_030678.2	52811302	52811373	2	minus
## 1269	NC_030678.2	52812915	52812986	2	minus
## 1270	NC_030678.2	52813666	52813737	2	minus
## 1271	NC_030678.2	52815286	52815358	2	minus
## 1272	NC_030678.2	52816039	52816110	2	minus
## 1273	NC_030678.2	52817653	52817725	2	minus
## 1274	NC_030678.2	52818416	52818488	2	minus
## 1275	NC_030678.2	52834501	52834572	2	plus
## 1276	NC_030678.2	52836114	52836186	2	plus
## 1277	NC_030678.2	52838458	52838530	2	plus
## 1278	NC_030678.2	52840153	52840224	2	minus
## 1279	NC_030678.2	52841771	52841842	2	minus
## 1280	NC_030678.2	52842524	52842595	2	minus
## 1281	NC_030678.2	52844133	52844204	2	minus

## 1282	NC_030678.2	52844885	52844956	2	minus
## 1283	NC_030678.2	52846498	52846569	2	minus
## 1284	NC_030678.2	52847253	52847324	2	minus
## 1285	NC_030678.2	52848005	52848076	2	minus
## 1286	NC_030678.2	52849612	52849683	2	minus
## 1287	NC_030678.2	52850364	52850435	2	minus
## 1288	NC_030678.2	52851977	52852048	2	minus
## 1289	NC_030678.2	52852723	52852794	2	minus
## 1290	NC_030678.2	52853944	52854015	2	minus
## 1291	NC_030678.2	53439451	53450537	2	minus
## 1292	NC_030678.2	53711324	53714752	2	plus
## 1293	NC_030678.2	53953259	54025512	2	plus
## 1294	NC_030678.2	54936368	54945732	2	plus
## 1295	NC_030678.2	54940735	54943514	2	minus
## 1296	NC_030678.2	55171699	55176189	2	minus
## 1297	NC_030678.2	55675914	55675977	2	plus
## 1298	NC_030678.2	55676422	55676514	2	plus
## 1299	NC_030678.2	56351703	56373612	2	minus
## 1300	NC_030678.2	57209526	57223453	2	minus
## 1301	NC_030678.2	57484156	57484264	2	minus
## 1302	NC_030678.2	60377156	60380109	2	plus
## 1303	NC_030678.2	60633779	60682929	2	plus
## 1304	NC_030678.2	60898310	60900349	2	plus
## 1305	NC_030678.2	60899540	60899621	2	plus
## 1306	NC_030678.2	61573085	61706095	2	plus
## 1307	NC_030678.2	63050278	63056378	2	plus
## 1308	NC_030678.2	63113335	63166337	2	plus
## 1309	NC_030678.2	63284805	63288057	2	plus
## 1310	NC_030678.2	64021047	64033917	2	plus
## 1311	NC_030678.2	66834865	66841081	2	minus
## 1312	NC_030678.2	67068951	67072243	2	plus
## 1313	NC_030678.2	67100822	67103981	2	plus
## 1314	NC_030678.2	68404252	68413983	2	plus
## 1315	NC_030678.2	68712420	68765338	2	minus
## 1316	NC_030678.2	68712420	68765338	2	minus
## 1317	NC_030678.2	68717764	68718613	2	plus
## 1318	NC_030678.2	68811387	68817010	2	minus
## 1319	NC_030678.2	69321309	69323720	2	minus
## 1320	NC_030678.2	69459181	69476223	2	minus
## 1321	NC_030678.2	69563582	69572799	2	plus
## 1322	NC_030678.2	70158992	70164098	2	plus
## 1323	NC_030678.2	70596510	70624495	2	plus
## 1324	NC_030678.2	70984765	71012003	2	minus
## 1325	NC_030678.2	71530333	71542769	2	plus
## 1326	NC_030678.2	72274916	72276452	2	minus
## 1327	NC_030678.2	72359053	72362327	2	plus
## 1328	NC_030678.2	73038068	73055849	2	minus
## 1329	NC_030678.2	73088397	73088468	2	minus
## 1330	NC_030678.2	73088727	73088798	2	minus
## 1331	NC_030678.2	73110979	73137391	2	minus
## 1332	NC_030678.2	73123180	73123267	2	minus
## 1333	NC_030678.2	73493409	73503709	2	plus
## 1334	NC_030678.2	73493409	73503709	2	plus
## 1335	NC_030678.2	73493409	73503709	2	plus

## 1336	NC_030678.2	73493409	73503709	2	plus
## 1337	NC_030678.2	73523123	73523652	2	plus
## 1338	NC_030678.2	73552982	73557557	2	minus
## 1339	NC_030678.2	73769697	73772113	2	plus
## 1340	NC_030678.2	73919913	73936005	2	minus
## 1341	NC_030678.2	73977948	74024544	2	plus
## 1342	NC_030678.2	74428166	74428236	2	minus
## 1343	NC_030678.2	74428385	74428457	2	plus
## 1344	NC_030678.2	74429178	74429248	2	minus
## 1345	NC_030678.2	74429531	74429601	2	minus
## 1346	NC_030678.2	74429742	74429814	2	plus
## 1347	NC_030678.2	74430535	74430605	2	minus
## 1348	NC_030678.2	74430888	74430958	2	minus
## 1349	NC_030678.2	74431099	74431171	2	plus
## 1350	NC_030678.2	74431892	74431962	2	minus
## 1351	NC_030678.2	74432245	74432315	2	minus
## 1352	NC_030678.2	74432456	74432528	2	plus
## 1353	NC_030678.2	74433249	74433319	2	minus
## 1354	NC_030678.2	74433602	74433672	2	minus
## 1355	NC_030678.2	74433813	74433885	2	plus
## 1356	NC_030678.2	74434606	74434676	2	minus
## 1357	NC_030678.2	74434959	74435029	2	minus
## 1358	NC_030678.2	74435170	74435241	2	plus
## 1359	NC_030678.2	74435962	74436032	2	minus
## 1360	NC_030678.2	74436315	74436385	2	minus
## 1361	NC_030678.2	74436526	74436598	2	plus
## 1362	NC_030678.2	74437319	74437389	2	minus
## 1363	NC_030678.2	74437672	74437742	2	minus
## 1364	NC_030678.2	74437883	74437955	2	plus
## 1365	NC_030678.2	74438676	74438746	2	minus
## 1366	NC_030678.2	74439029	74439099	2	minus
## 1367	NC_030678.2	74439240	74439312	2	plus
## 1368	NC_030678.2	74440033	74440103	2	minus
## 1369	NC_030678.2	74440386	74440456	2	minus
## 1370	NC_030678.2	74440596	74440668	2	plus
## 1371	NC_030678.2	74441389	74441459	2	minus
## 1372	NC_030678.2	74441742	74441812	2	minus
## 1373	NC_030678.2	74441953	74442025	2	plus
## 1374	NC_030678.2	74443097	74443167	2	minus
## 1375	NC_030678.2	74443308	74443380	2	plus
## 1376	NC_030678.2	74444101	74444171	2	minus
## 1377	NC_030678.2	74444454	74444524	2	minus
## 1378	NC_030678.2	74444665	74444737	2	plus
## 1379	NC_030678.2	74445457	74445527	2	minus
## 1380	NC_030678.2	74445810	74445880	2	minus
## 1381	NC_030678.2	74446021	74446093	2	plus
## 1382	NC_030678.2	74446813	74446883	2	minus
## 1383	NC_030678.2	74447167	74447237	2	minus
## 1384	NC_030678.2	74447377	74447449	2	plus
## 1385	NC_030678.2	74448169	74448239	2	minus
## 1386	NC_030678.2	74448521	74448591	2	minus
## 1387	NC_030678.2	74448732	74448804	2	plus
## 1388	NC_030678.2	74449526	74449596	2	minus
## 1389	NC_030678.2	74449879	74449949	2	minus

## 1390	NC_030678.2	74450090	74450162	2	plus
## 1391	NC_030678.2	74450883	74450953	2	minus
## 1392	NC_030678.2	74451236	74451306	2	minus
## 1393	NC_030678.2	74451447	74451519	2	plus
## 1394	NC_030678.2	74452240	74452310	2	minus
## 1395	NC_030678.2	74452593	74452663	2	minus
## 1396	NC_030678.2	74452804	74452876	2	plus
## 1397	NC_030678.2	74453597	74453667	2	minus
## 1398	NC_030678.2	74453950	74454020	2	minus
## 1399	NC_030678.2	74454161	74454233	2	plus
## 1400	NC_030678.2	74454954	74455024	2	minus
## 1401	NC_030678.2	74455307	74455377	2	minus
## 1402	NC_030678.2	74455518	74455590	2	plus
## 1403	NC_030678.2	74456311	74456381	2	minus
## 1404	NC_030678.2	74456663	74456733	2	minus
## 1405	NC_030678.2	74456874	74456946	2	plus
## 1406	NC_030678.2	74457667	74457737	2	minus
## 1407	NC_030678.2	74458020	74458090	2	minus
## 1408	NC_030678.2	74458231	74458303	2	plus
## 1409	NC_030678.2	74459024	74459094	2	minus
## 1410	NC_030678.2	74459377	74459447	2	minus
## 1411	NC_030678.2	74459588	74459660	2	plus
## 1412	NC_030678.2	74460381	74460451	2	minus
## 1413	NC_030678.2	74460734	74460804	2	minus
## 1414	NC_030678.2	74460945	74461017	2	plus
## 1415	NC_030678.2	74461738	74461808	2	minus
## 1416	NC_030678.2	74462091	74462161	2	minus
## 1417	NC_030678.2	74462302	74462374	2	plus
## 1418	NC_030678.2	74463095	74463165	2	minus
## 1419	NC_030678.2	74463447	74463517	2	minus
## 1420	NC_030678.2	74463658	74463730	2	plus
## 1421	NC_030678.2	74464451	74464521	2	minus
## 1422	NC_030678.2	74464804	74464874	2	minus
## 1423	NC_030678.2	74465015	74465087	2	plus
## 1424	NC_030678.2	74465808	74465878	2	minus
## 1425	NC_030678.2	74466161	74466231	2	minus
## 1426	NC_030678.2	74466372	74466444	2	plus
## 1427	NC_030678.2	74467165	74467236	2	minus
## 1428	NC_030678.2	74467722	74467794	2	plus
## 1429	NC_030678.2	74468514	74468584	2	minus
## 1430	NC_030678.2	74468867	74468937	2	minus
## 1431	NC_030678.2	74469078	74469150	2	plus
## 1432	NC_030678.2	74469871	74469941	2	minus
## 1433	NC_030678.2	74470224	74470294	2	minus
## 1434	NC_030678.2	74470435	74470507	2	plus
## 1435	NC_030678.2	74471228	74471298	2	minus
## 1436	NC_030678.2	74471581	74471651	2	minus
## 1437	NC_030678.2	74471785	74471857	2	plus
## 1438	NC_030678.2	74472577	74472647	2	minus
## 1439	NC_030678.2	74472788	74472860	2	plus
## 1440	NC_030678.2	74473582	74473652	2	minus
## 1441	NC_030678.2	74473935	74474005	2	minus
## 1442	NC_030678.2	74474146	74474218	2	plus
## 1443	NC_030678.2	74474941	74475011	2	minus

## 1444	NC_030678.2	74475294	74475364	2	minus
## 1445	NC_030678.2	74475499	74475571	2	plus
## 1446	NC_030678.2	76104964	76111058	2	plus
## 1447	NC_030678.2	76615002	76618285	2	minus
## 1448	NC_030678.2	76700260	76704414	2	plus
## 1449	NC_030678.2	76966113	76971904	2	minus
## 1450	NC_030678.2	77262741	77266152	2	plus
## 1451	NC_030678.2	77266451	77274642	2	plus
## 1452	NC_030678.2	77370828	77373701	2	plus
## 1453	NC_030678.2	77749221	77754638	2	minus
## 1454	NC_030678.2	77749221	77754638	2	minus
## 1455	NC_030678.2	78090922	78146355	2	minus
## 1456	NC_030678.2	78090922	78146355	2	minus
## 1457	NC_030678.2	78090922	78146355	2	minus
## 1458	NC_030678.2	78161660	78161811	2	plus
## 1459	NC_030678.2	78453750	78453886	2	plus
## 1460	NC_030678.2	78906438	78936784	2	plus
## 1461	NC_030678.2	79094139	79105949	2	plus
## 1462	NC_030678.2	79517827	79517985	2	minus
## 1463	NC_030678.2	80332404	80332500	2	plus
## 1464	NC_030678.2	80359805	80359962	2	plus
## 1465	NC_030678.2	81317914	81324900	2	plus
## 1466	NC_030678.2	81549007	81590534	2	plus
## 1467	NC_030678.2	81549007	81590534	2	plus
## 1468	NC_030678.2	81549007	81590534	2	plus
## 1469	NC_030678.2	82209027	82209102	2	minus
## 1470	NC_030678.2	82209466	82209527	2	minus
## 1471	NC_030678.2	82237588	82274643	2	plus
## 1472	NC_030678.2	82237588	82274643	2	plus
## 1473	NC_030678.2	83085892	83088828	2	minus
## 1474	NC_030678.2	83201040	83227527	2	plus
## 1475	NC_030678.2	83346329	83347660	2	minus
## 1476	NC_030678.2	83557661	83567043	2	minus
## 1477	NC_030678.2	83557661	83567043	2	minus
## 1478	NC_030678.2	83557661	83567043	2	minus
## 1479	NC_030678.2	83557661	83567043	2	minus
## 1480	NC_030678.2	83558694	83558773	2	minus
## 1481	NC_030678.2	83558966	83559051	2	minus
## 1482	NC_030678.2	83561120	83561203	2	minus
## 1483	NC_030678.2	83561467	83561550	2	minus
## 1484	NC_030678.2	83561818	83561902	2	minus
## 1485	NC_030678.2	83562170	83562254	2	minus
## 1486	NC_030678.2	83563602	83563681	2	minus
## 1487	NC_030678.2	83564143	83564222	2	minus
## 1488	NC_030678.2	84982497	84985472	2	plus
## 1489	NC_030678.2	85623986	85627252	2	plus
## 1490	NC_030678.2	85887432	85937095	2	minus
## 1491	NC_030678.2	85887432	85937095	2	minus
## 1492	NC_030678.2	86364812	86380773	2	plus
## 1493	NC_030678.2	87867492	87867581	2	plus
## 1494	NC_030678.2	87868496	87868584	2	plus
## 1495	NC_030678.2	87896228	87897571	2	minus
## 1496	NC_030678.2	88904871	88908306	2	plus
## 1497	NC_030678.2	88910924	88915749	2	plus

## 1498	NC_030678.2	88939420	88964155	2	plus
## 1499	NC_030678.2	88945299	88950052	2	plus
## 1500	NC_030678.2	88950166	88950591	2	plus
## 1501	NC_030678.2	89222819	89222890	2	plus
## 1502	NC_030678.2	89659925	89692901	2	minus
## 1503	NC_030678.2	89911730	89912735	2	plus
## 1504	NC_030678.2	90916851	90935497	2	plus
## 1505	NC_030678.2	91021225	91046787	2	plus
## 1506	NC_030678.2	91021225	91046787	2	plus
## 1507	NC_030678.2	91021225	91046787	2	plus
## 1508	NC_030678.2	91029290	91029418	2	plus
## 1509	NC_030678.2	91032725	91032853	2	plus
## 1510	NC_030678.2	91195519	91195589	2	plus
## 1511	NC_030678.2	91196760	91196834	2	plus
## 1512	NC_030678.2	91199072	91199137	2	plus
## 1513	NC_030678.2	91199471	91199536	2	plus
## 1514	NC_030678.2	91421128	91437808	2	minus
## 1515	NC_030678.2	91571889	91693717	2	plus
## 1516	NC_030678.2	91774846	91782583	2	minus
## 1517	NC_030678.2	92274066	92300694	2	plus
## 1518	NC_030678.2	93757846	93757939	2	plus
## 1519	NC_030678.2	94364136	94369140	2	minus
## 1520	NC_030678.2	94472630	94481169	2	plus
## 1521	NC_030678.2	95220367	95234240	2	plus
## 1522	NC_030678.2	95220367	95234240	2	plus
## 1523	NC_030678.2	95220367	95234240	2	plus
## 1524	NC_030678.2	95220367	95234240	2	plus
## 1525	NC_030678.2	95220367	95234240	2	plus
## 1526	NC_030678.2	95220367	95234240	2	plus
## 1527	NC_030678.2	95225186	95225268	2	plus
## 1528	NC_030678.2	95225395	95225478	2	plus
## 1529	NC_030678.2	96099538	96106229	2	plus
## 1530	NC_030678.2	97060227	97060580	2	plus
## 1531	NC_030678.2	97820435	97820569	2	plus
## 1532	NC_030678.2	97820787	97820927	2	plus
## 1533	NC_030678.2	97821145	97821285	2	plus
## 1534	NC_030678.2	97821503	97821643	2	plus
## 1535	NC_030678.2	97821861	97822001	2	plus
## 1536	NC_030678.2	97822219	97822359	2	plus
## 1537	NC_030678.2	97822577	97822717	2	plus
## 1538	NC_030678.2	97822935	97823075	2	plus
## 1539	NC_030678.2	97823293	97823433	2	plus
## 1540	NC_030678.2	97823651	97823791	2	plus
## 1541	NC_030678.2	97824009	97824149	2	plus
## 1542	NC_030678.2	97824367	97824507	2	plus
## 1543	NC_030678.2	97824725	97824865	2	plus
## 1544	NC_030678.2	97825083	97825223	2	plus
## 1545	NC_030678.2	97825441	97825581	2	plus
## 1546	NC_030678.2	97825799	97825939	2	plus
## 1547	NC_030678.2	97826157	97826297	2	plus
## 1548	NC_030678.2	97826515	97826655	2	plus
## 1549	NC_030678.2	97826873	97827013	2	plus
## 1550	NC_030678.2	97827231	97827371	2	plus
## 1551	NC_030678.2	97827589	97827729	2	plus

## 1552	NC_030678.2	97827947	97828087	2	plus
## 1553	NC_030678.2	97828305	97828445	2	plus
## 1554	NC_030678.2	97828663	97828803	2	plus
## 1555	NC_030678.2	97829021	97829161	2	plus
## 1556	NC_030678.2	97829379	97829519	2	plus
## 1557	NC_030678.2	97829737	97829877	2	plus
## 1558	NC_030678.2	97830095	97830235	2	plus
## 1559	NC_030678.2	97830453	97830593	2	plus
## 1560	NC_030678.2	97830811	97830951	2	plus
## 1561	NC_030678.2	97831169	97831309	2	plus
## 1562	NC_030678.2	97831527	97831667	2	plus
## 1563	NC_030678.2	97831885	97832025	2	plus
## 1564	NC_030678.2	97832243	97832383	2	plus
## 1565	NC_030678.2	97832601	97832741	2	plus
## 1566	NC_030678.2	97832959	97833099	2	plus
## 1567	NC_030678.2	97833317	97833457	2	plus
## 1568	NC_030678.2	97833675	97833816	2	plus
## 1569	NC_030678.2	97834034	97834174	2	plus
## 1570	NC_030678.2	97834392	97834532	2	plus
## 1571	NC_030678.2	97834750	97834890	2	plus
## 1572	NC_030678.2	97835108	97835248	2	plus
## 1573	NC_030678.2	97835466	97835606	2	plus
## 1574	NC_030678.2	97835824	97835964	2	plus
## 1575	NC_030678.2	97836182	97836322	2	plus
## 1576	NC_030678.2	97836540	97836680	2	plus
## 1577	NC_030678.2	97836898	97837038	2	plus
## 1578	NC_030678.2	97837256	97837396	2	plus
## 1579	NC_030678.2	97837614	97837754	2	plus
## 1580	NC_030678.2	97837972	97838112	2	plus
## 1581	NC_030678.2	97838330	97838470	2	plus
## 1582	NC_030678.2	97838688	97838829	2	plus
## 1583	NC_030678.2	97839047	97839187	2	plus
## 1584	NC_030678.2	97839405	97839545	2	plus
## 1585	NC_030678.2	97839763	97839903	2	plus
## 1586	NC_030678.2	97840121	97840261	2	plus
## 1587	NC_030678.2	97840479	97840619	2	plus
## 1588	NC_030678.2	97840837	97840977	2	plus
## 1589	NC_030678.2	97841195	97841335	2	plus
## 1590	NC_030678.2	97841553	97841693	2	plus
## 1591	NC_030678.2	97841911	97842051	2	plus
## 1592	NC_030678.2	97842269	97842409	2	plus
## 1593	NC_030678.2	97842627	97842767	2	plus
## 1594	NC_030678.2	97842985	97843125	2	plus
## 1595	NC_030678.2	97843343	97843483	2	plus
## 1596	NC_030678.2	97843701	97843841	2	plus
## 1597	NC_030678.2	97844059	97844199	2	plus
## 1598	NC_030678.2	97844417	97844557	2	plus
## 1599	NC_030678.2	97844775	97844915	2	plus
## 1600	NC_030678.2	97845133	97845273	2	plus
## 1601	NC_030678.2	97845491	97845631	2	plus
## 1602	NC_030678.2	97845849	97845989	2	plus
## 1603	NC_030678.2	97846207	97846347	2	plus
## 1604	NC_030678.2	97846565	97846705	2	plus
## 1605	NC_030678.2	97846923	97847063	2	plus

## 1606	NC_030678.2	97847280	97847420	2	plus
## 1607	NC_030678.2	97847638	97847778	2	plus
## 1608	NC_030678.2	97847996	97848136	2	plus
## 1609	NC_030678.2	97848354	97848494	2	plus
## 1610	NC_030678.2	97848712	97848852	2	plus
## 1611	NC_030678.2	97849070	97849210	2	plus
## 1612	NC_030678.2	97849428	97849568	2	plus
## 1613	NC_030678.2	97849786	97849926	2	plus
## 1614	NC_030678.2	97850144	97850284	2	plus
## 1615	NC_030678.2	97850502	97850642	2	plus
## 1616	NC_030678.2	97850860	97851000	2	plus
## 1617	NC_030678.2	97851218	97851358	2	plus
## 1618	NC_030678.2	97851576	97851715	2	plus
## 1619	NC_030678.2	97851933	97852073	2	plus
## 1620	NC_030678.2	97852291	97852431	2	plus
## 1621	NC_030678.2	97852649	97852789	2	plus
## 1622	NC_030678.2	97853007	97853147	2	plus
## 1623	NC_030678.2	97853365	97853505	2	plus
## 1624	NC_030678.2	97853723	97853863	2	plus
## 1625	NC_030678.2	97854080	97854219	2	plus
## 1626	NC_030678.2	97854437	97854577	2	plus
## 1627	NC_030678.2	97854795	97854935	2	plus
## 1628	NC_030678.2	97855153	97855294	2	plus
## 1629	NC_030678.2	97855510	97855649	2	plus
## 1630	NC_030678.2	97855866	97856004	2	plus
## 1631	NC_030678.2	97856220	97856358	2	plus
## 1632	NC_030678.2	97856571	97856709	2	plus
## 1633	NC_030678.2	97892357	97892496	2	plus
## 1634	NC_030678.2	97892713	97892852	2	plus
## 1635	NC_030678.2	97893066	97893207	2	plus
## 1636	NC_030678.2	97893427	97893567	2	plus
## 1637	NC_030678.2	97893791	97893938	2	plus
## 1638	NC_030678.2	97894153	97894299	2	plus
## 1639	NC_030678.2	97894520	97894663	2	plus
## 1640	NC_030678.2	97894885	97895026	2	plus
## 1641	NC_030678.2	97895245	97895385	2	plus
## 1642	NC_030678.2	97895605	97895745	2	plus
## 1643	NC_030678.2	97895963	97896103	2	plus
## 1644	NC_030678.2	97896321	97896461	2	plus
## 1645	NC_030678.2	97896679	97896819	2	plus
## 1646	NC_030678.2	97897037	97897177	2	plus
## 1647	NC_030678.2	97897395	97897535	2	plus
## 1648	NC_030678.2	97897753	97897894	2	plus
## 1649	NC_030678.2	97898112	97898252	2	plus
## 1650	NC_030678.2	97898470	97898610	2	plus
## 1651	NC_030678.2	97898828	97898968	2	plus
## 1652	NC_030678.2	97899187	97899327	2	plus
## 1653	NC_030678.2	97899545	97899685	2	plus
## 1654	NC_030678.2	97899903	97900043	2	plus
## 1655	NC_030678.2	97900261	97900401	2	plus
## 1656	NC_030678.2	97900619	97900759	2	plus
## 1657	NC_030678.2	97900977	97901117	2	plus
## 1658	NC_030678.2	97901335	97901475	2	plus
## 1659	NC_030678.2	97901693	97901834	2	plus

##	1660	NC_030678.2	97902052	97902192	2	plus
##	1661	NC_030678.2	97902410	97902550	2	plus
##	1662	NC_030678.2	97902768	97902908	2	plus
##	1663	NC_030678.2	97903126	97903266	2	plus
##	1664	NC_030678.2	97903484	97903624	2	plus
##	1665	NC_030678.2	97903842	97903982	2	plus
##	1666	NC_030678.2	97904199	97904340	2	plus
##	1667	NC_030678.2	97904558	97904698	2	plus
##	1668	NC_030678.2	97904915	97905055	2	plus
##	1669	NC_030678.2	97905273	97905414	2	plus
##	1670	NC_030678.2	97905633	97905775	2	plus
##	1671	NC_030678.2	97905995	97906138	2	plus
##	1672	NC_030678.2	97906358	97906499	2	plus
##	1673	NC_030678.2	97906718	97906856	2	plus
##	1674	NC_030678.2	97907076	97907215	2	plus
##	1675	NC_030678.2	97907433	97907575	2	plus
##	1676	NC_030678.2	97907792	97907932	2	plus
##	1677	NC_030678.2	97908149	97908287	2	plus
##	1678	NC_030678.2	97908506	97908645	2	plus
##	1679	NC_030678.2	97908862	97909008	2	plus
##	1680	NC_030678.2	97909227	97909367	2	plus
##	1681	NC_030678.2	97909586	97909728	2	plus
##	1682	NC_030678.2	97909947	97910086	2	plus
##	1683	NC_030678.2	97910304	97910444	2	plus
##	1684	NC_030678.2	97910664	97910808	2	plus
##	1685	NC_030678.2	97911027	97911170	2	plus
##	1686	NC_030678.2	97911387	97911528	2	plus
##	1687	NC_030678.2	97911744	97911884	2	plus
##	1688	NC_030678.2	97912101	97912241	2	plus
##	1689	NC_030678.2	97912457	97912597	2	plus
##	1690	NC_030678.2	97912814	97912954	2	plus
##	1691	NC_030678.2	97913171	97913311	2	plus
##	1692	NC_030678.2	97913528	97913668	2	plus
##	1693	NC_030678.2	97913890	97914030	2	plus
##	1694	NC_030678.2	97914246	97914386	2	plus
##	1695	NC_030678.2	97914602	97914742	2	plus
##	1696	NC_030678.2	97914958	97915099	2	plus
##	1697	NC_030678.2	97915316	97915456	2	plus
##	1698	NC_030678.2	97915674	97915813	2	plus
##	1699	NC_030678.2	97916031	97916170	2	plus
##	1700	NC_030678.2	97916385	97916524	2	plus
##	1701	NC_030678.2	97916753	97916892	2	plus
##	1702	NC_030678.2	97917118	97917258	2	plus
##	1703	NC_030678.2	97917471	97917609	2	plus
##	1704	NC_030678.2	97917826	97917965	2	plus
##	1705	NC_030678.2	97918182	97918323	2	plus
##	1706	NC_030678.2	97918538	97918678	2	plus
##	1707	NC_030678.2	97918894	97919033	2	plus
##	1708	NC_030678.2	97919245	97919385	2	plus
##	1709	NC_030678.2	97919600	97919739	2	plus
##	1710	NC_030678.2	97919954	97920094	2	plus
##	1711	NC_030678.2	97920310	97920448	2	plus
##	1712	NC_030678.2	97920662	97920799	2	plus
##	1713	NC_030678.2	97921011	97921152	2	plus

## 1714	NC_030678.2	97921369	97921505	2	plus
## 1715	NC_030678.2	97985433	97991234	2	minus
## 1716	NC_030678.2	97985433	97991234	2	minus
## 1717	NC_030678.2	97985433	97991234	2	minus
## 1718	NC_030678.2	97985433	97991234	2	minus
## 1719	NC_030678.2	98001890	98003717	2	plus
## 1720	NC_030678.2	98113447	98113580	2	minus
## 1721	NC_030678.2	98117139	98117270	2	minus
## 1722	NC_030678.2	98119201	98119326	2	minus
## 1723	NC_030678.2	98121792	98121930	2	minus
## 1724	NC_030678.2	100295215	100310083	2	plus
## 1725	NC_030678.2	100295215	100310083	2	plus
## 1726	NC_030678.2	100295215	100310083	2	plus
## 1727	NC_030678.2	100295215	100310083	2	plus
## 1728	NC_030678.2	100295215	100310083	2	plus
## 1729	NC_030678.2	100295215	100310083	2	plus
## 1730	NC_030678.2	100295215	100310083	2	plus
## 1731	NC_030678.2	100295215	100310083	2	plus
## 1732	NC_030678.2	100295215	100310083	2	plus
## 1733	NC_030678.2	100298852	100298979	2	plus
## 1734	NC_030678.2	100299508	100299632	2	plus
## 1735	NC_030678.2	100301065	100301204	2	plus
## 1736	NC_030678.2	100303865	100303992	2	plus
## 1737	NC_030678.2	100304502	100304626	2	plus
## 1738	NC_030678.2	100306059	100306198	2	plus
## 1739	NC_030678.2	100527269	100532031	2	minus
## 1740	NC_030678.2	101027888	101100529	2	minus
## 1741	NC_030678.2	101113501	101113572	2	minus
## 1742	NC_030678.2	104083780	104083970	2	plus
## 1743	NC_030678.2	104631556	104648503	2	plus
## 1744	NC_030678.2	104894015	104895188	2	minus
## 1745	NC_030678.2	105133659	105139771	2	minus
## 1746	NC_030678.2	106564326	106592919	2	minus
## 1747	NC_030678.2	106686013	106689663	2	plus
## 1748	NC_030678.2	108449348	108453029	2	minus
## 1749	NC_030678.2	110306344	110307032	2	minus
## 1750	NC_030678.2	110928603	110937879	2	minus
## 1751	NC_030678.2	110928603	110937879	2	minus
## 1752	NC_030678.2	111083033	111092421	2	plus
## 1753	NC_030678.2	111954448	111957664	2	plus
## 1754	NC_030678.2	112065302	112084363	2	minus
## 1755	NC_030678.2	112467044	112467857	2	minus
## 1756	NC_030678.2	112711076	112715192	2	minus
## 1757	NC_030678.2	112711076	112715192	2	minus
## 1758	NC_030678.2	113438763	113445484	2	minus
## 1759	NC_030678.2	114823054	114842138	2	minus
## 1760	NC_030678.2	115095232	115135661	2	minus
## 1761	NC_030678.2	115524924	115534185	2	minus
## 1762	NC_030678.2	116431376	116432884	2	minus
## 1763	NC_030678.2	116762140	116773094	2	plus
## 1764	NC_030678.2	119000820	119002266	2	plus
## 1765	NC_030678.2	119439666	119452124	2	minus
## 1766	NC_030678.2	119668983	119715335	2	minus
## 1767	NC_030678.2	120749930	120776911	2	plus

## 1768	NC_030678.2	121171410	121322170	2	plus
## 1769	NC_030678.2	121761354	121767091	2	minus
## 1770	NC_030678.2	123387281	123391350	2	minus
## 1771	NC_030678.2	123387841	123387918	2	minus
## 1772	NC_030678.2	123387960	123388038	2	minus
## 1773	NC_030678.2	123388085	123388168	2	minus
## 1774	NC_030678.2	123388213	123388293	2	minus
## 1775	NC_030678.2	123388355	123388441	2	minus
## 1776	NC_030678.2	123388483	123388569	2	minus
## 1777	NC_030678.2	124979156	124983455	2	minus
## 1778	NC_030678.2	125086598	125092615	2	plus
## 1779	NC_030678.2	125674737	125681277	2	minus
## 1780	NC_030678.2	125800053	125830495	2	minus
## 1781	NC_030678.2	125800053	125830495	2	minus
## 1782	NC_030678.2	125800053	125830495	2	minus
## 1783	NC_030678.2	126979448	127056204	2	minus
## 1784	NC_030678.2	126979448	127056204	2	minus
## 1785	NC_030678.2	127177085	127179626	2	minus
## 1786	NC_030678.2	130518944	130536133	2	minus
## 1787	NC_030678.2	132016064	132018088	2	minus
## 1788	NC_030678.2	132062896	132065130	2	plus
## 1789	NC_030678.2	132078966	132150510	2	minus
## 1790	NC_030678.2	132079830	132080857	2	plus
## 1791	NC_030678.2	132199815	132199921	2	minus
## 1792	NC_030678.2	132301754	132301825	2	minus
## 1793	NC_030678.2	132407262	132411364	2	plus
## 1794	NC_030678.2	133010533	133044957	2	plus
## 1795	NC_030678.2	133010533	133044957	2	plus
## 1796	NC_030678.2	133242514	133244867	2	plus
## 1797	NC_030678.2	133934971	133935101	2	minus
## 1798	NC_030678.2	133948528	133948702	2	minus
## 1799	NC_030678.2	134609588	134624469	2	plus
## 1800	NC_030678.2	135442587	135517623	2	minus
## 1801	NC_030678.2	135655869	135656003	2	minus
## 1802	NC_030678.2	135658461	135658593	2	minus
## 1803	NC_030678.2	135837562	135838513	2	plus
## 1804	NC_030678.2	137468059	137468140	2	minus
## 1805	NC_030678.2	137631826	137635111	2	minus
## 1806	NC_030678.2	138726527	138731527	2	plus
## 1807	NC_030678.2	138751470	138751538	2	minus
## 1808	NC_030678.2	138753072	138753146	2	minus
## 1809	NC_030678.2	138753916	138753987	2	minus
## 1810	NC_030678.2	138972146	138992100	2	minus
## 1811	NC_030678.2	139817732	139830858	2	minus
## 1812	NC_030678.2	139854495	139856219	2	minus
## 1813	NC_030678.2	140230711	140268521	2	minus
## 1814	NC_030678.2	140230711	140268521	2	minus
## 1815	NC_030678.2	140854206	140854302	2	minus
## 1816	NC_030678.2	141622382	141634938	2	plus
## 1817	NC_030678.2	141983501	141983585	2	minus
## 1818	NC_030678.2	142504169	142524373	2	minus
## 1819	NC_030678.2	142804090	142804912	2	minus
## 1820	NC_030678.2	143500307	143500659	2	minus
## 1821	NC_030678.2	143543576	143553752	2	minus

## 1822	NC_030678.2	144332207	144335848	2	minus
## 1823	NC_030678.2	145583569	145583665	2	minus
## 1824	NC_030678.2	145609114	145617471	2	minus
## 1825	NC_030678.2	145609114	145617471	2	minus
## 1826	NC_030678.2	145609114	145617471	2	minus
## 1827	NC_030678.2	145609114	145617471	2	minus
## 1828	NC_030678.2	145609114	145617471	2	minus
## 1829	NC_030678.2	145609114	145617471	2	minus
## 1830	NC_030678.2	146020588	146020658	2	minus
## 1831	NC_030678.2	146068659	146071866	2	plus
## 1832	NC_030678.2	146093564	146101169	2	plus
## 1833	NC_030678.2	146105354	146105459	2	minus
## 1834	NC_030678.2	146111407	146113506	2	plus
## 1835	NC_030678.2	146144885	146146773	2	minus
## 1836	NC_030678.2	147013350	147017215	2	plus
## 1837	NC_030678.2	147062145	147065482	2	minus
## 1838	NC_030678.2	147498812	147525008	2	plus
## 1839	NC_030678.2	147739190	147777252	2	plus
## 1840	NC_030678.2	147739190	147777252	2	plus
## 1841	NC_030678.2	147739190	147777252	2	plus
## 1842	NC_030678.2	149322973	149341818	2	plus
## 1843	NC_030678.2	149439621	149439702	2	minus
## 1844	NC_030678.2	149439756	149439838	2	minus
## 1845	NC_030678.2	149449250	149458357	2	minus
## 1846	NC_030678.2	150453281	150453488	2	minus
## 1847	NC_030678.2	150522909	150522985	2	minus
## 1848	NC_030678.2	151711171	151715928	2	plus
## 1849	NC_030678.2	151800270	151818158	2	minus
## 1850	NC_030678.2	151917330	151947157	2	minus
## 1851	NC_030678.2	151971336	151975500	2	minus
## 1852	NC_030678.2	152958883	152961396	2	plus
## 1853	NC_030678.2	153121203	153121298	2	plus
## 1854	NC_030678.2	154075344	154119831	2	plus
## 1855	NC_030678.2	154075344	154119831	2	plus
## 1856	NC_030678.2	154075344	154119831	2	plus
## 1857	NC_030678.2	154114423	154114494	2	plus
## 1858	NC_030678.2	154114737	154114810	2	plus
## 1859	NC_030678.2	154115514	154115586	2	plus
## 1860	NC_030678.2	155514159	155514288	2	minus
## 1861	NC_030678.2	155721745	155726277	2	plus
## 1862	NC_030678.2	155798569	155804256	2	plus
## 1863	NC_030678.2	156371956	156432208	2	plus
## 1864	NC_030678.2	156431719	156434193	2	minus
## 1865	NC_030678.2	156455751	156463200	2	plus
## 1866	NC_030678.2	156491957	156504641	2	plus
## 1867	NC_030678.2	156531371	156545788	2	minus
## 1868	NC_030678.2	156531371	156545788	2	minus
## 1869	NC_030678.2	156531371	156545788	2	minus
## 1870	NC_030678.2	156531371	156545788	2	minus
## 1871	NC_030678.2	156531371	156545788	2	minus
## 1872	NC_030678.2	156754352	156760113	2	minus
## 1873	NC_030678.2	157782076	157821548	2	plus
## 1874	NC_030678.2	157833533	157914095	2	minus
## 1875	NC_030678.2	157833533	157914095	2	minus

## 1876	NC_030678.2	157833533	157914095	2	minus
## 1877	NC_030678.2	157833533	157914095	2	minus
## 1878	NC_030678.2	158573742	158627831	2	plus
## 1879	NC_030678.2	158659839	158717463	2	minus
## 1880	NC_030678.2	158659839	158717463	2	minus
## 1881	NC_030678.2	158659839	158717463	2	minus
## 1882	NC_030678.2	159276776	159284815	2	minus
## 1883	NC_030678.2	160552184	160552329	2	minus
## 1884	NC_030678.2	162051406	162103940	2	plus
## 1885	NC_030678.2	162189581	162195802	2	minus
## 1886	NC_030678.2	162654970	162655949	2	minus
## 1887	NC_030678.2	164668462	164668680	2	plus
## 1888	NC_030678.2	164740906	164744037	2	plus
## 1889	NC_030678.2	164747520	164753151	2	plus
## 1890	NC_030678.2	164747520	164753151	2	plus
## 1891	NC_030678.2	164747520	164753151	2	plus
## 1892	NC_030678.2	164747520	164753151	2	plus
## 1893	NC_030678.2	164747520	164753151	2	plus
## 1894	NC_030678.2	164747520	164753151	2	plus
## 1895	NC_030678.2	164747520	164753151	2	plus
## 1896	NC_030678.2	164769995	164774442	2	plus
## 1897	NC_030678.2	164783185	164785061	2	plus
## 1898	NC_030678.2	164794189	164796141	2	plus
## 1899	NC_030678.2	164816220	164819863	2	plus
## 1900	NC_030678.2	164872146	164874721	2	plus
## 1901	NC_030678.2	164912875	164916733	2	plus
## 1902	NC_030678.2	164926382	164927393	2	plus
## 1903	NC_030678.2	165749699	165749769	2	minus
## 1904	NC_030678.2	171497992	171504011	2	minus
## 1905	NC_030678.2	172176890	172177035	2	minus
## 1906	NC_030678.2	172178195	172178341	2	minus
## 1907	NC_030678.2	172179598	172179744	2	minus
## 1908	NC_030678.2	172181876	172182018	2	minus
## 1909	NC_030678.2	172740717	172740847	2	minus
## 1910	NC_030678.2	173156716	173156787	2	plus
## 1911	NC_030678.2	173630340	173637386	2	minus
## 1912	NC_030678.2	174150756	174151846	2	minus
## 1913	NC_030678.2	174155433	174170178	2	minus
## 1914	NC_030678.2	174227575	174230485	2	plus
## 1915	NC_030678.2	174227575	174230485	2	plus
## 1916	NC_030678.2	174266134	174267918	2	plus
## 1917	NC_030678.2	174274414	174318978	2	minus
## 1918	NC_030678.2	174274414	174318978	2	minus
## 1919	NC_030678.2	174297930	174300691	2	plus
## 1920	NC_030678.2	174329899	174332190	2	plus
## 1921	NC_030678.2	174338363	174392469	2	plus
## 1922	NC_030678.2	174338363	174392469	2	plus
## 1923	NC_030678.2	174338363	174392469	2	plus
## 1924	NC_030678.2	174338363	174392469	2	plus
## 1925	NC_030678.2	174339952	174439626	2	minus
## 1926	NC_030678.2	174339952	174439626	2	minus
## 1927	NC_030678.2	174374951	174377758	2	minus
## 1928	NC_030678.2	174430469	174433126	2	plus
## 1929	NC_030678.2	174430469	174433126	2	plus

##	1930	NC_030678.2	174461467	174464016	2	plus
##	1931	NC_030678.2	174461467	174464016	2	plus
##	1932	NC_030678.2	174469398	175423560	2	minus
##	1933	NC_030678.2	174618111	174618203	2	minus
##	1934	NC_030678.2	174636512	174638920	2	plus
##	1935	NC_030678.2	174636512	174638920	2	plus
##	1936	NC_030678.2	174636512	174638920	2	plus
##	1937	NC_030678.2	174636512	174638920	2	plus
##	1938	NC_030678.2	175196745	175221377	2	minus
##	1939	NC_030678.2	175196745	175221377	2	minus
##	1940	NC_030678.2	175252617	175254746	2	minus
##	1941	NC_030678.2	175267968	175270560	2	plus
##	1942	NC_030678.2	175275185	175277406	2	minus
##	1943	NC_030678.2	175300465	175302656	2	minus
##	1944	NC_030678.2	175300465	175302656	2	minus
##	1945	NC_030678.2	175308171	175311095	2	minus
##	1946	NC_030678.2	175308171	175311095	2	minus
##	1947	NC_030678.2	175326572	175329300	2	minus
##	1948	NC_030678.2	175326572	175329300	2	minus
##	1949	NC_030678.2	175352463	175354309	2	minus
##	1950	NC_030678.2	175386704	175389691	2	plus
##	1951	NC_030678.2	175442994	175445184	2	minus
##	1952	NC_030678.2	175442994	175445184	2	minus
##	1953	NC_030678.2	175450542	175452802	2	minus
##	1954	NC_030678.2	175479601	175543520	2	minus
##	1955	NC_030678.2	175494960	175496843	2	plus
##	1956	NC_030678.2	175501062	175504033	2	minus
##	1957	NC_030678.2	175501062	175504033	2	minus
##	1958	NC_030678.2	175540586	175546300	2	plus
##	1959	NC_030678.2	175561742	175570900	2	plus
##	1960	NC_030678.2	175594212	175636215	2	plus
##	1961	NC_030678.2	175614559	175633594	2	minus
##	1962	NC_030678.2	175633682	175638934	2	minus
##	1963	NC_030678.2	175636371	175641448	2	plus
##	1964	NC_030678.2	175638940	175650366	2	minus
##	1965	NC_030678.2	175638940	175650366	2	minus
##	1966	NC_030678.2	175664925	175691505	2	plus
##	1967	NC_030678.2	176006302	176007429	2	plus
##	1968	NC_030678.2	176614396	176620729	2	plus
##	1969	NC_030678.2	176632530	176641861	2	plus
##	1970	NC_030678.2	176645862	176661374	2	plus
##	1971	NC_030678.2	176645862	176661374	2	plus
##	1972	NC_030678.2	176653136	176688492	2	minus
##	1973	NC_030678.2	176661459	176690731	2	plus
##	1974	NC_030678.2	176661459	176690731	2	plus
##	1975	NC_030678.2	176661459	176690731	2	plus
##	1976	NC_030678.2	176690816	176708950	2	plus
##	1977	NC_030678.2	176720195	176736101	2	plus
##	1978	NC_030678.2	176770784	176803195	2	plus
##	1979	NC_030678.2	176770784	176803195	2	plus
##	1980	NC_030678.2	176779639	176806072	2	minus
##	1981	NC_030678.2	176779639	176806072	2	minus
##	1982	NC_030678.2	176779639	176806072	2	minus
##	1983	NC_030678.2	176779639	176806072	2	minus

## 1984	NC_030678.2	176779639	176806072	2	minus
## 1985	NC_030678.2	176779639	176806072	2	minus
## 1986	NC_030678.2	176779639	176806072	2	minus
## 1987	NC_030678.2	176855191	176857582	2	plus
## 1988	NC_030678.2	176971072	176971138	2	minus
## 1989	NC_030678.2	177373349	177396839	2	plus
## 1990	NC_030678.2	177373349	177396839	2	plus
## 1991	NC_030678.2	177373349	177396839	2	plus
## 1992	NC_030678.2	177516084	177537139	2	minus
## 1993	NC_030678.2	177516084	177537139	2	minus
## 1994	NC_030678.2	177612113	177612914	2	minus
## 1995	NC_030678.2	177753577	177755057	2	minus
## 1996	NC_030678.2	177773361	177774824	2	plus
## 1997	NC_030678.2	178056253	178057194	2	plus
## 1998	NC_030678.2	178071795	178082485	2	plus
## 1999	NC_030678.2	178119230	178138122	2	plus
## 2000	NC_030678.2	178164768	178172738	2	minus
## 2001	NC_030678.2	178209808	178210847	2	minus
## 2002	NC_030678.2	178237351	178252089	2	minus
## 2003	NC_030678.2	178311474	178317808	2	minus
## 2004	NC_030678.2	178368481	178386263	2	plus
## 2005	NC_030678.2	178394637	178397402	2	plus
## 2006	NC_030678.2	178416772	178427802	2	minus
## 2007	NC_030678.2	178470541	178477055	2	minus
## 2008	NC_030678.2	178500721	178521253	2	minus
## 2009	NC_030678.2	178500721	178521253	2	minus
## 2010	NC_030678.2	178540485	178563853	2	minus
## 2011	NC_030678.2	178573459	178581717	2	minus
## 2012	NC_030678.2	178584654	178585701	2	minus
## 2013	NC_030678.2	178615156	178625376	2	plus
## 2014	NC_030678.2	178638221	178655375	2	plus
## 2015	NC_030678.2	178664864	178669400	2	minus
## 2016	NC_030678.2	178673812	178675159	2	minus
## 2017	NC_030678.2	178709340	178721326	2	minus
## 2018	NC_030678.2	178732756	178749229	2	minus
## 2019	NC_030678.2	179221446	179239890	2	plus
## 2020	NC_030678.2	179408791	179410828	2	minus
## 2021	NC_030678.2	179665410	179665518	2	minus
## 2022	NC_030678.2	179665664	179665782	2	minus
## 2023	NC_030678.2	179665928	179666036	2	minus
## 2024	NC_030678.2	179666182	179666300	2	minus
## 2025	NC_030678.2	179666439	179666557	2	minus
## 2026	NC_030678.2	179666696	179666814	2	minus
## 2027	NC_030678.2	179666950	179667068	2	minus
## 2028	NC_030678.2	179667214	179667332	2	minus
## 2029	NC_030678.2	179667477	179667584	2	minus
## 2030	NC_030678.2	179667730	179667848	2	minus
## 2031	NC_030678.2	179668155	179668273	2	minus
## 2032	NC_030678.2	179668412	179668530	2	minus
## 2033	NC_030678.2	179668837	179668955	2	minus
## 2034	NC_030678.2	179669094	179669212	2	minus
## 2035	NC_030678.2	179669358	179669476	2	minus
## 2036	NC_030678.2	179669622	179669730	2	minus
## 2037	NC_030678.2	179669869	179669987	2	minus

##	2038	NC_030678.2	179670132	179670250	2	minus
##	2039	NC_030678.2	179670396	179670514	2	minus
##	2040	NC_030678.2	179670660	179670778	2	minus
##	2041	NC_030678.2	179670924	179671032	2	minus
##	2042	NC_030678.2	179671171	179671289	2	minus
##	2043	NC_030678.2	179671435	179671542	2	minus
##	2044	NC_030678.2	179671688	179671806	2	minus
##	2045	NC_030678.2	179671952	179672070	2	minus
##	2046	NC_030678.2	179672209	179672327	2	minus
##	2047	NC_030678.2	179672473	179672591	2	minus
##	2048	NC_030678.2	179672992	179673108	2	minus
##	2049	NC_030678.2	179673251	179673369	2	minus
##	2050	NC_030678.2	179680211	179680326	2	minus
##	2051	NC_030678.2	179681506	179681622	2	minus
##	2052	NC_030678.2	179681762	179681875	2	minus
##	2053	NC_030678.2	179682310	179682430	2	minus
##	2054	NC_030678.2	179683153	179683270	2	minus
##	2055	NC_030678.2	179683411	179683530	2	minus
##	2056	NC_030678.2	179683670	179683788	2	minus
##	2057	NC_030678.2	179683932	179684051	2	minus
##	2058	NC_030678.2	179684197	179684315	2	minus
##	2059	NC_030678.2	179684453	179684572	2	minus
##	2060	NC_030678.2	179685490	179685605	2	minus
##	2061	NC_030678.2	179685753	179685871	2	minus
##	2062	NC_030678.2	179686017	179686135	2	minus
##	2063	NC_030678.2	179686274	179686392	2	minus
##	2064	NC_030678.2	179686531	179686649	2	minus
##	2065	NC_030678.2	179686795	179686913	2	minus
##	2066	NC_030678.2	179687067	179687185	2	minus
##	2067	NC_030678.2	179687331	179687449	2	minus
##	2068	NC_030678.2	179687595	179687713	2	minus
##	2069	NC_030678.2	179687849	179687967	2	minus
##	2070	NC_030678.2	179688106	179688224	2	minus
##	2071	NC_030678.2	179688370	179688490	2	minus
##	2072	NC_030678.2	179688636	179688754	2	minus
##	2073	NC_030678.2	179688900	179689018	2	minus
##	2074	NC_030678.2	179689155	179689273	2	minus
##	2075	NC_030678.2	179689419	179689527	2	minus
##	2076	NC_030678.2	179689656	179689774	2	minus
##	2077	NC_030678.2	179689814	179689932	2	minus
##	2078	NC_030678.2	179690071	179690178	2	minus
##	2079	NC_030678.2	179690324	179690442	2	minus
##	2080	NC_030678.2	179690588	179690706	2	minus
##	2081	NC_030678.2	179690845	179690963	2	minus
##	2082	NC_030678.2	179691109	179691227	2	minus
##	2083	NC_030678.2	179691619	179691737	2	minus
##	2084	NC_030678.2	179691883	179692001	2	minus
##	2085	NC_030678.2	179692147	179692265	2	minus
##	2086	NC_030678.2	179692565	179692683	2	minus
##	2087	NC_030678.2	179692829	179692947	2	minus
##	2088	NC_030678.2	179693091	179693199	2	minus
##	2089	NC_030678.2	179693338	179693456	2	minus
##	2090	NC_030678.2	179693601	179693719	2	minus
##	2091	NC_030678.2	179693865	179693983	2	minus

##	2092	NC_030678.2	179694129	179694239	2	minus
##	2093	NC_030678.2	179694378	179694496	2	minus
##	2094	NC_030678.2	179694642	179694760	2	minus
##	2095	NC_030678.2	179694906	179695014	2	minus
##	2096	NC_030678.2	179695153	179695271	2	minus
##	2097	NC_030678.2	179695416	179695534	2	minus
##	2098	NC_030678.2	179695680	179695798	2	minus
##	2099	NC_030678.2	179695944	179696052	2	minus
##	2100	NC_030678.2	179696191	179696309	2	minus
##	2101	NC_030678.2	179696454	179696572	2	minus
##	2102	NC_030678.2	179696717	179696835	2	minus
##	2103	NC_030678.2	179699352	179699470	2	minus
##	2104	NC_030678.2	179699609	179699727	2	minus
##	2105	NC_030678.2	179699866	179699974	2	minus
##	2106	NC_030678.2	179700113	179700221	2	minus
##	2107	NC_030678.2	179700367	179700485	2	minus
##	2108	NC_030678.2	179700892	179701010	2	minus
##	2109	NC_030678.2	179701156	179701274	2	minus
##	2110	NC_030678.2	179701413	179701531	2	minus
##	2111	NC_030678.2	179701677	179701795	2	minus
##	2112	NC_030678.2	179701941	179702059	2	minus
##	2113	NC_030678.2	179702196	179702314	2	minus
##	2114	NC_030678.2	179702460	179702578	2	minus
##	2115	NC_030678.2	179702724	179702842	2	minus
##	2116	NC_030678.2	179702988	179703106	2	minus
##	2117	NC_030678.2	179703252	179703370	2	minus
##	2118	NC_030678.2	179703506	179703624	2	minus
##	2119	NC_030678.2	179703777	179703895	2	minus
##	2120	NC_030678.2	179704034	179704152	2	minus
##	2121	NC_030678.2	179704298	179704418	2	minus
##	2122	NC_030678.2	179704557	179704675	2	minus
##	2123	NC_030678.2	179704829	179704947	2	minus
##	2124	NC_030678.2	179705084	179705192	2	minus
##	2125	NC_030678.2	179705338	179705456	2	minus
##	2126	NC_030678.2	179705592	179705710	2	minus
##	2127	NC_030678.2	179746485	179750488	2	plus
##	2128	NC_030679.2	997947	1011784	3	plus
##	2129	NC_030679.2	997947	1011784	3	plus
##	2130	NC_030679.2	2176963	2197627	3	plus
##	2131	NC_030679.2	2176963	2197627	3	plus
##	2132	NC_030679.2	2195814	2197387	3	minus
##	2133	NC_030679.2	2198502	2200878	3	plus
##	2134	NC_030679.2	3634418	3666199	3	plus
##	2135	NC_030679.2	3686312	3699432	3	minus
##	2136	NC_030679.2	3701127	3748872	3	plus
##	2137	NC_030679.2	3701127	3748872	3	plus
##	2138	NC_030679.2	3748257	3748349	3	plus
##	2139	NC_030679.2	3782236	3785557	3	plus
##	2140	NC_030679.2	4293535	4321076	3	minus
##	2141	NC_030679.2	5070652	5070847	3	minus
##	2142	NC_030679.2	5467690	5481096	3	minus
##	2143	NC_030679.2	6716555	6716774	3	plus
##	2144	NC_030679.2	6720031	6720249	3	minus
##	2145	NC_030679.2	6883968	6909102	3	plus

##	2146	NC_030679.2	7195587	7195805	3	plus
##	2147	NC_030679.2	7199308	7199527	3	plus
##	2148	NC_030679.2	7201449	7201667	3	plus
##	2149	NC_030679.2	7322186	7327767	3	plus
##	2150	NC_030679.2	7680624	7680709	3	plus
##	2151	NC_030679.2	7739886	7743511	3	minus
##	2152	NC_030679.2	8042853	8044818	3	plus
##	2153	NC_030679.2	8065634	8065853	3	minus
##	2154	NC_030679.2	8118758	8118977	3	minus
##	2155	NC_030679.2	8123965	8124185	3	minus
##	2156	NC_030679.2	8208639	8208858	3	minus
##	2157	NC_030679.2	8415152	8415237	3	minus
##	2158	NC_030679.2	8417069	8417154	3	minus
##	2159	NC_030679.2	8418570	8418655	3	minus
##	2160	NC_030679.2	8419071	8419156	3	minus
##	2161	NC_030679.2	8419532	8419617	3	minus
##	2162	NC_030679.2	8419987	8420072	3	minus
##	2163	NC_030679.2	8420988	8421073	3	minus
##	2164	NC_030679.2	8421489	8421574	3	minus
##	2165	NC_030679.2	8422992	8423077	3	minus
##	2166	NC_030679.2	8423453	8423538	3	minus
##	2167	NC_030679.2	8423943	8424028	3	minus
##	2168	NC_030679.2	8426662	8426747	3	minus
##	2169	NC_030679.2	8427616	8427701	3	minus
##	2170	NC_030679.2	8428077	8428162	3	minus
##	2171	NC_030679.2	8429533	8429618	3	minus
##	2172	NC_030679.2	8431497	8431582	3	minus
##	2173	NC_030679.2	8432492	8432577	3	minus
##	2174	NC_030679.2	8434487	8434572	3	minus
##	2175	NC_030679.2	8435489	8435574	3	minus
##	2176	NC_030679.2	8436906	8436991	3	minus
##	2177	NC_030679.2	8439324	8439409	3	minus
##	2178	NC_030679.2	9352198	9362668	3	plus
##	2179	NC_030679.2	9471659	9641357	3	minus
##	2180	NC_030679.2	10333119	10342282	3	plus
##	2181	NC_030679.2	11047322	11049393	3	plus
##	2182	NC_030679.2	11049741	11052953	3	plus
##	2183	NC_030679.2	11049741	11052953	3	plus
##	2184	NC_030679.2	11050371	11051130	3	minus
##	2185	NC_030679.2	11099143	11135863	3	minus
##	2186	NC_030679.2	11588686	11770288	3	minus
##	2187	NC_030679.2	12186826	12199110	3	plus
##	2188	NC_030679.2	12283252	12457158	3	minus
##	2189	NC_030679.2	12387628	12387760	3	minus
##	2190	NC_030679.2	12479186	12483251	3	plus
##	2191	NC_030679.2	14190245	14190326	3	minus
##	2192	NC_030679.2	14202778	14207316	3	minus
##	2193	NC_030679.2	14202778	14207316	3	minus
##	2194	NC_030679.2	14233943	14235750	3	minus
##	2195	NC_030679.2	14236169	14238101	3	minus
##	2196	NC_030679.2	14258120	14260093	3	minus
##	2197	NC_030679.2	14271205	14285584	3	minus
##	2198	NC_030679.2	14271205	14285584	3	minus
##	2199	NC_030679.2	14271205	14285584	3	minus

##	2200	NC_030679.2	14296684	14297919	3	plus
##	2201	NC_030679.2	14405968	14418068	3	plus
##	2202	NC_030679.2	14471523	14473475	3	minus
##	2203	NC_030679.2	14723051	14739711	3	minus
##	2204	NC_030679.2	14741700	14743926	3	plus
##	2205	NC_030679.2	14741700	14743926	3	plus
##	2206	NC_030679.2	14977800	14978655	3	minus
##	2207	NC_030679.2	15207014	15211160	3	plus
##	2208	NC_030679.2	16275439	16307313	3	plus
##	2209	NC_030679.2	16457004	16465300	3	minus
##	2210	NC_030679.2	16819163	16820984	3	plus
##	2211	NC_030679.2	16844866	16880775	3	plus
##	2212	NC_030679.2	16844866	16880775	3	plus
##	2213	NC_030679.2	16844866	16880775	3	plus
##	2214	NC_030679.2	17219871	17355139	3	minus
##	2215	NC_030679.2	17219871	17355139	3	minus
##	2216	NC_030679.2	17222979	17223073	3	minus
##	2217	NC_030679.2	17443067	17456577	3	minus
##	2218	NC_030679.2	18086571	18116645	3	minus
##	2219	NC_030679.2	18399396	18406815	3	plus
##	2220	NC_030679.2	18441928	18449298	3	plus
##	2221	NC_030679.2	18441928	18449298	3	plus
##	2222	NC_030679.2	18441928	18449298	3	plus
##	2223	NC_030679.2	18441928	18449298	3	plus
##	2224	NC_030679.2	18441928	18449298	3	plus
##	2225	NC_030679.2	18441928	18449298	3	plus
##	2226	NC_030679.2	18441928	18449298	3	plus
##	2227	NC_030679.2	18441928	18449298	3	plus
##	2228	NC_030679.2	19143799	19160640	3	minus
##	2229	NC_030679.2	19231516	19283482	3	plus
##	2230	NC_030679.2	19376371	19377913	3	plus
##	2231	NC_030679.2	19517856	19538238	3	plus
##	2232	NC_030679.2	20311410	20312368	3	minus
##	2233	NC_030679.2	20423116	20432917	3	plus
##	2234	NC_030679.2	20757438	20758997	3	plus
##	2235	NC_030679.2	21320685	21323147	3	minus
##	2236	NC_030679.2	21400981	21414949	3	plus
##	2237	NC_030679.2	22188794	22205209	3	plus
##	2238	NC_030679.2	22188794	22205209	3	plus
##	2239	NC_030679.2	22428927	22430879	3	plus
##	2240	NC_030679.2	22583366	22585066	3	minus
##	2241	NC_030679.2	22919413	22965726	3	plus
##	2242	NC_030679.2	22919413	22965726	3	plus
##	2243	NC_030679.2	22919413	22965726	3	plus
##	2244	NC_030679.2	23063822	23127832	3	minus
##	2245	NC_030679.2	23063822	23127832	3	minus
##	2246	NC_030679.2	23063822	23127832	3	minus
##	2247	NC_030679.2	23063822	23127832	3	minus
##	2248	NC_030679.2	23063822	23127832	3	minus
##	2249	NC_030679.2	23208442	23211683	3	plus
##	2250	NC_030679.2	23242975	23243064	3	plus
##	2251	NC_030679.2	23426696	23428244	3	minus
##	2252	NC_030679.2	24704900	24706448	3	minus
##	2253	NC_030679.2	24948428	24959696	3	minus

##	2254	NC_030679.2	25042875	25043032	3	minus
##	2255	NC_030679.2	25101354	25124251	3	minus
##	2256	NC_030679.2	25108109	25112583	3	minus
##	2257	NC_030679.2	25591442	25606729	3	minus
##	2258	NC_030679.2	25636064	25687507	3	plus
##	2259	NC_030679.2	25636064	25687507	3	plus
##	2260	NC_030679.2	26022840	26027017	3	minus
##	2261	NC_030679.2	26758453	26760365	3	minus
##	2262	NC_030679.2	27102850	27105219	3	plus
##	2263	NC_030679.2	27107632	27112809	3	plus
##	2264	NC_030679.2	27793088	27799602	3	plus
##	2265	NC_030679.2	27871158	27897138	3	minus
##	2266	NC_030679.2	28069781	28072640	3	minus
##	2267	NC_030679.2	30202746	30230028	3	plus
##	2268	NC_030679.2	30729271	30733116	3	minus
##	2269	NC_030679.2	31277947	31279528	3	minus
##	2270	NC_030679.2	31287434	31289015	3	minus
##	2271	NC_030679.2	31373571	31419878	3	plus
##	2272	NC_030679.2	33295738	33295821	3	plus
##	2273	NC_030679.2	33397806	33397890	3	plus
##	2274	NC_030679.2	35038333	35042112	3	minus
##	2275	NC_030679.2	36047602	36071534	3	plus
##	2276	NC_030679.2	36199408	36202166	3	minus
##	2277	NC_030679.2	36204122	36207388	3	minus
##	2278	NC_030679.2	36209258	36317052	3	minus
##	2279	NC_030679.2	36259414	36271634	3	plus
##	2280	NC_030679.2	36643807	36647483	3	minus
##	2281	NC_030679.2	36733832	36771132	3	plus
##	2282	NC_030679.2	37446400	37449397	3	minus
##	2283	NC_030679.2	37756847	37765713	3	plus
##	2284	NC_030679.2	37761059	37761129	3	minus
##	2285	NC_030679.2	37762041	37762111	3	minus
##	2286	NC_030679.2	37762620	37762690	3	minus
##	2287	NC_030679.2	37763118	37763190	3	minus
##	2288	NC_030679.2	40269610	40277097	3	plus
##	2289	NC_030679.2	40269610	40277097	3	plus
##	2290	NC_030679.2	40271432	40271499	3	plus
##	2291	NC_030679.2	40271683	40271749	3	plus
##	2292	NC_030679.2	40273027	40273099	3	plus
##	2293	NC_030679.2	40273766	40273857	3	plus
##	2294	NC_030679.2	40274442	40274525	3	plus
##	2295	NC_030679.2	40274706	40274796	3	plus
##	2296	NC_030679.2	40275379	40275446	3	plus
##	2297	NC_030679.2	40276022	40276088	3	plus
##	2298	NC_030679.2	40373930	40389979	3	minus
##	2299	NC_030679.2	40375566	40375651	3	minus
##	2300	NC_030679.2	40376530	40376612	3	minus
##	2301	NC_030679.2	40529244	40531437	3	plus
##	2302	NC_030679.2	41415013	41416939	3	plus
##	2303	NC_030679.2	41545624	41549985	3	minus
##	2304	NC_030679.2	41941023	41941143	3	minus
##	2305	NC_030679.2	42219048	42220129	3	plus
##	2306	NC_030679.2	42698685	42717929	3	plus
##	2307	NC_030679.2	42767789	42787667	3	minus

##	2308	NC_030679.2	43272726	43272824	3	minus
##	2309	NC_030679.2	43448788	43454895	3	plus
##	2310	NC_030679.2	44156562	44177927	3	minus
##	2311	NC_030679.2	44632147	44637097	3	plus
##	2312	NC_030679.2	44860528	44866433	3	plus
##	2313	NC_030679.2	45598638	45617651	3	plus
##	2314	NC_030679.2	46012193	46012608	3	plus
##	2315	NC_030679.2	46113161	46156254	3	plus
##	2316	NC_030679.2	46674106	46674225	3	minus
##	2317	NC_030679.2	46731209	46846531	3	plus
##	2318	NC_030679.2	47500642	47507049	3	minus
##	2319	NC_030679.2	48163555	48194250	3	plus
##	2320	NC_030679.2	48271041	48312432	3	minus
##	2321	NC_030679.2	48742987	48762147	3	minus
##	2322	NC_030679.2	48820102	48826364	3	plus
##	2323	NC_030679.2	48925325	48970640	3	minus
##	2324	NC_030679.2	50435773	50447494	3	plus
##	2325	NC_030679.2	50436000	50436071	3	plus
##	2326	NC_030679.2	50772316	50810186	3	plus
##	2327	NC_030679.2	51111380	51111479	3	plus
##	2328	NC_030679.2	51537554	51537795	3	plus
##	2329	NC_030679.2	51538573	51538796	3	plus
##	2330	NC_030679.2	51575579	51608150	3	minus
##	2331	NC_030679.2	52138732	52138816	3	minus
##	2332	NC_030679.2	52540134	52543061	3	plus
##	2333	NC_030679.2	53490542	53527290	3	minus
##	2334	NC_030679.2	53490542	53527290	3	minus
##	2335	NC_030679.2	53490542	53527290	3	minus
##	2336	NC_030679.2	53490542	53527290	3	minus
##	2337	NC_030679.2	53490542	53527290	3	minus
##	2338	NC_030679.2	53490542	53527290	3	minus
##	2339	NC_030679.2	53490542	53527290	3	minus
##	2340	NC_030679.2	53959997	53974950	3	minus
##	2341	NC_030679.2	55608011	55614430	3	minus
##	2342	NC_030679.2	55669180	55673420	3	minus
##	2343	NC_030679.2	55919618	55923323	3	minus
##	2344	NC_030679.2	57017749	57018358	3	plus
##	2345	NC_030679.2	57294286	57294416	3	minus
##	2346	NC_030679.2	57295283	57295413	3	minus
##	2347	NC_030679.2	57651668	57655343	3	minus
##	2348	NC_030679.2	58470261	58473641	3	minus
##	2349	NC_030679.2	60243487	60345546	3	plus
##	2350	NC_030679.2	60243487	60345546	3	plus
##	2351	NC_030679.2	60243487	60345546	3	plus
##	2352	NC_030679.2	60243487	60345546	3	plus
##	2353	NC_030679.2	60243487	60345546	3	plus
##	2354	NC_030679.2	60243487	60345546	3	plus
##	2355	NC_030679.2	60243487	60345546	3	plus
##	2356	NC_030679.2	60243487	60345546	3	plus
##	2357	NC_030679.2	60243487	60345546	3	plus
##	2358	NC_030679.2	60243487	60345546	3	plus
##	2359	NC_030679.2	60703062	60727824	3	minus
##	2360	NC_030679.2	61119733	61125935	3	plus
##	2361	NC_030679.2	61147983	61163131	3	minus

## 2362	NC_030679.2	63333425	63374410	3	plus
## 2363	NC_030679.2	63635394	63637412	3	minus
## 2364	NC_030679.2	65380029	65381619	3	plus
## 2365	NC_030679.2	66952570	66962495	3	minus
## 2366	NC_030679.2	66952570	66962495	3	minus
## 2367	NC_030679.2	66952570	66962495	3	minus
## 2368	NC_030679.2	66952570	66962495	3	minus
## 2369	NC_030679.2	66952570	66962495	3	minus
## 2370	NC_030679.2	66952570	66962495	3	minus
## 2371	NC_030679.2	67207509	67209700	3	plus
## 2372	NC_030679.2	67216749	67219187	3	minus
## 2373	NC_030679.2	67971509	67974308	3	minus
## 2374	NC_030679.2	69705105	69715957	3	minus
## 2375	NC_030679.2	70761646	70841399	3	plus
## 2376	NC_030679.2	73931516	73933376	3	minus
## 2377	NC_030679.2	74645667	74648994	3	plus
## 2378	NC_030679.2	75503588	75531169	3	minus
## 2379	NC_030679.2	75503588	75531169	3	minus
## 2380	NC_030679.2	75503588	75531169	3	minus
## 2381	NC_030679.2	75503588	75531169	3	minus
## 2382	NC_030679.2	75514736	75532510	3	plus
## 2383	NC_030679.2	75755976	75772239	3	plus
## 2384	NC_030679.2	75755976	75772239	3	plus
## 2385	NC_030679.2	76160043	76161150	3	minus
## 2386	NC_030679.2	76694167	76695343	3	plus
## 2387	NC_030679.2	77452584	77461179	3	plus
## 2388	NC_030679.2	77454506	77458376	3	plus
## 2389	NC_030679.2	78688391	78692367	3	plus
## 2390	NC_030679.2	79801126	79804692	3	plus
## 2391	NC_030679.2	80018969	80241263	3	plus
## 2392	NC_030679.2	82192039	82198765	3	plus
## 2393	NC_030679.2	82566637	82569347	3	minus
## 2394	NC_030679.2	82646659	82650342	3	plus
## 2395	NC_030679.2	83644100	83646206	3	minus
## 2396	NC_030679.2	83826527	83867353	3	plus
## 2397	NC_030679.2	83875719	83906114	3	minus
## 2398	NC_030679.2	84037811	84247299	3	minus
## 2399	NC_030679.2	84037811	84247299	3	minus
## 2400	NC_030679.2	84259775	84264239	3	plus
## 2401	NC_030679.2	84740275	84740361	3	minus
## 2402	NC_030679.2	84742942	84743016	3	minus
## 2403	NC_030679.2	84746114	84761416	3	minus
## 2404	NC_030679.2	84746114	84761416	3	minus
## 2405	NC_030679.2	86325337	86326448	3	minus
## 2406	NC_030679.2	86743819	86750030	3	plus
## 2407	NC_030679.2	86743819	86750030	3	plus
## 2408	NC_030679.2	87072975	87073071	3	plus
## 2409	NC_030679.2	87074142	87074216	3	plus
## 2410	NC_030679.2	87077899	87078003	3	plus
## 2411	NC_030679.2	87944940	87945021	3	minus
## 2412	NC_030679.2	89115667	89115738	3	minus
## 2413	NC_030679.2	89119609	89119682	3	plus
## 2414	NC_030679.2	89122793	89122864	3	plus
## 2415	NC_030679.2	89496223	89504110	3	minus

##	2416	NC_030679.2	89496223	89504110	3	minus
##	2417	NC_030679.2	89776787	89796718	3	minus
##	2418	NC_030679.2	89776787	89796718	3	minus
##	2419	NC_030679.2	89776787	89796718	3	minus
##	2420	NC_030679.2	89776787	89796718	3	minus
##	2421	NC_030679.2	89776787	89796718	3	minus
##	2422	NC_030679.2	89776787	89796718	3	minus
##	2423	NC_030679.2	89776787	89796718	3	minus
##	2424	NC_030679.2	90156398	90162114	3	minus
##	2425	NC_030679.2	90873367	90917766	3	plus
##	2426	NC_030679.2	90873405	90873476	3	plus
##	2427	NC_030679.2	90873956	90874027	3	plus
##	2428	NC_030679.2	90964427	90978828	3	plus
##	2429	NC_030679.2	91254063	91266800	3	minus
##	2430	NC_030679.2	91566797	91573141	3	plus
##	2431	NC_030679.2	91618875	91751522	3	minus
##	2432	NC_030679.2	91791208	91801022	3	plus
##	2433	NC_030679.2	91961380	92038112	3	minus
##	2434	NC_030679.2	92097036	92101531	3	plus
##	2435	NC_030679.2	92930925	92937049	3	minus
##	2436	NC_030679.2	93243380	93248451	3	minus
##	2437	NC_030679.2	93476705	93523175	3	minus
##	2438	NC_030679.2	94610372	94617010	3	plus
##	2439	NC_030679.2	94658653	94658785	3	minus
##	2440	NC_030679.2	94660308	94660439	3	minus
##	2441	NC_030679.2	94661410	94661540	3	minus
##	2442	NC_030679.2	94816364	94836650	3	minus
##	2443	NC_030679.2	94836676	94858664	3	plus
##	2444	NC_030679.2	94850512	94862481	3	minus
##	2445	NC_030679.2	94850512	94862481	3	minus
##	2446	NC_030679.2	94907660	94923638	3	plus
##	2447	NC_030679.2	94907660	94923638	3	plus
##	2448	NC_030679.2	95405838	95405911	3	plus
##	2449	NC_030679.2	95406911	95406982	3	plus
##	2450	NC_030679.2	95407945	95408016	3	plus
##	2451	NC_030679.2	95408631	95408702	3	plus
##	2452	NC_030679.2	95409650	95409721	3	plus
##	2453	NC_030679.2	95410335	95410406	3	plus
##	2454	NC_030679.2	95411354	95411425	3	plus
##	2455	NC_030679.2	95416193	95416264	3	plus
##	2456	NC_030679.2	95417211	95417282	3	plus
##	2457	NC_030679.2	95417896	95417967	3	plus
##	2458	NC_030679.2	95418921	95418992	3	plus
##	2459	NC_030679.2	95419609	95419680	3	plus
##	2460	NC_030679.2	95420642	95420713	3	plus
##	2461	NC_030679.2	95421360	95421431	3	plus
##	2462	NC_030679.2	95422385	95422456	3	plus
##	2463	NC_030679.2	95423072	95423143	3	plus
##	2464	NC_030679.2	95424106	95424177	3	plus
##	2465	NC_030679.2	95424794	95424865	3	plus
##	2466	NC_030679.2	95425828	95425899	3	plus
##	2467	NC_030679.2	95426548	95426619	3	plus
##	2468	NC_030679.2	95427582	95427653	3	plus
##	2469	NC_030679.2	95428300	95428371	3	plus

##	2470	NC_030679.2	95429325	95429401	3	plus
##	2471	NC_030679.2	95430018	95430089	3	plus
##	2472	NC_030679.2	95431052	95431123	3	plus
##	2473	NC_030679.2	95431740	95431811	3	plus
##	2474	NC_030679.2	95432774	95432845	3	plus
##	2475	NC_030679.2	95433746	95433817	3	plus
##	2476	NC_030679.2	95434780	95434851	3	plus
##	2477	NC_030679.2	95435472	95435543	3	plus
##	2478	NC_030679.2	95436506	95436577	3	plus
##	2479	NC_030679.2	95437194	95437265	3	plus
##	2480	NC_030679.2	95438366	95438437	3	plus
##	2481	NC_030679.2	95440210	95440281	3	plus
##	2482	NC_030679.2	96223644	96239976	3	plus
##	2483	NC_030679.2	96697921	96699255	3	minus
##	2484	NC_030679.2	96899818	96899922	3	plus
##	2485	NC_030679.2	97765219	97835316	3	plus
##	2486	NC_030679.2	97765219	97835316	3	plus
##	2487	NC_030679.2	97765219	97835316	3	plus
##	2488	NC_030679.2	98720265	98764318	3	plus
##	2489	NC_030679.2	98720265	98764318	3	plus
##	2490	NC_030679.2	98818092	98834411	3	plus
##	2491	NC_030679.2	99748814	99803963	3	minus
##	2492	NC_030679.2	100106579	100116099	3	plus
##	2493	NC_030679.2	100141339	100144451	3	plus
##	2494	NC_030679.2	100990006	101004634	3	minus
##	2495	NC_030679.2	102190797	102194922	3	plus
##	2496	NC_030679.2	102338798	102342363	3	plus
##	2497	NC_030679.2	102526085	102532875	3	plus
##	2498	NC_030679.2	103430586	103623529	3	minus
##	2499	NC_030679.2	103430586	103623529	3	minus
##	2500	NC_030679.2	104548928	104579947	3	plus
##	2501	NC_030679.2	104766402	104837883	3	plus
##	2502	NC_030679.2	104958789	104960623	3	minus
##	2503	NC_030679.2	104959198	104978629	3	plus
##	2504	NC_030679.2	104959198	104978629	3	plus
##	2505	NC_030679.2	105026899	105031353	3	plus
##	2506	NC_030679.2	106170106	106174705	3	minus
##	2507	NC_030679.2	106170106	106174705	3	minus
##	2508	NC_030679.2	106243644	106244506	3	plus
##	2509	NC_030679.2	107317136	107327170	3	plus
##	2510	NC_030679.2	107452848	107502220	3	minus
##	2511	NC_030679.2	107815075	107822227	3	minus
##	2512	NC_030679.2	107958855	108017967	3	minus
##	2513	NC_030679.2	108511053	108517483	3	plus
##	2514	NC_030679.2	108511053	108517483	3	plus
##	2515	NC_030679.2	108847167	108847860	3	minus
##	2516	NC_030679.2	109053622	109053693	3	plus
##	2517	NC_030679.2	109054007	109054078	3	plus
##	2518	NC_030679.2	109054449	109054520	3	plus
##	2519	NC_030679.2	109054873	109054944	3	plus
##	2520	NC_030679.2	109137045	109159421	3	plus
##	2521	NC_030679.2	109137045	109159421	3	plus
##	2522	NC_030679.2	109165200	109165272	3	minus
##	2523	NC_030679.2	109165619	109165691	3	minus

##	2524	NC_030679.2	109214832	109214904	3	plus
##	2525	NC_030679.2	109216407	109216479	3	plus
##	2526	NC_030679.2	109217687	109217759	3	plus
##	2527	NC_030679.2	109218255	109218327	3	plus
##	2528	NC_030679.2	109249854	109290983	3	plus
##	2529	NC_030679.2	109259909	109259984	3	plus
##	2530	NC_030679.2	109297279	109357396	3	plus
##	2531	NC_030679.2	109297279	109357396	3	plus
##	2532	NC_030679.2	109489047	109506825	3	plus
##	2533	NC_030679.2	110027866	110033274	3	plus
##	2534	NC_030679.2	110027866	110033274	3	plus
##	2535	NC_030679.2	110027866	110033274	3	plus
##	2536	NC_030679.2	110052684	110052786	3	minus
##	2537	NC_030679.2	110143789	110143889	3	minus
##	2538	NC_030679.2	111441386	111444245	3	plus
##	2539	NC_030679.2	112193588	112197881	3	minus
##	2540	NC_030679.2	112215928	112218661	3	minus
##	2541	NC_030679.2	113933496	113988790	3	minus
##	2542	NC_030679.2	113933496	113988790	3	minus
##	2543	NC_030679.2	113933496	113988790	3	minus
##	2544	NC_030679.2	113933496	113988790	3	minus
##	2545	NC_030679.2	113933496	113988790	3	minus
##	2546	NC_030679.2	113933496	113988790	3	minus
##	2547	NC_030679.2	113933496	113988790	3	minus
##	2548	NC_030679.2	113933496	113988790	3	minus
##	2549	NC_030679.2	113933496	113988790	3	minus
##	2550	NC_030679.2	114275646	114294596	3	plus
##	2551	NC_030679.2	115086707	115086779	3	plus
##	2552	NC_030679.2	115255319	115260402	3	minus
##	2553	NC_030679.2	115567070	115588310	3	plus
##	2554	NC_030679.2	115936250	115948982	3	plus
##	2555	NC_030679.2	116825653	116825724	3	minus
##	2556	NC_030679.2	116839610	117047201	3	minus
##	2557	NC_030679.2	117139284	117139416	3	minus
##	2558	NC_030679.2	117180807	117180878	3	minus
##	2559	NC_030679.2	117181489	117181557	3	minus
##	2560	NC_030679.2	117182883	117182952	3	minus
##	2561	NC_030679.2	117183257	117183356	3	minus
##	2562	NC_030679.2	117183564	117183633	3	minus
##	2563	NC_030679.2	117183979	117184078	3	minus
##	2564	NC_030679.2	117442820	117495548	3	plus
##	2565	NC_030679.2	117988970	118003579	3	minus
##	2566	NC_030679.2	118001468	118001634	3	plus
##	2567	NC_030679.2	118098884	118098956	3	minus
##	2568	NC_030679.2	118204098	118216759	3	minus
##	2569	NC_030679.2	118444690	118444772	3	plus
##	2570	NC_030679.2	120225499	120233806	3	plus
##	2571	NC_030679.2	120823814	120824027	3	plus
##	2572	NC_030679.2	120979615	120979800	3	minus
##	2573	NC_030679.2	121166166	121183355	3	minus
##	2574	NC_030679.2	121186615	121186686	3	minus
##	2575	NC_030679.2	121194765	121200413	3	minus
##	2576	NC_030679.2	122068293	122068363	3	minus
##	2577	NC_030679.2	123288813	123298559	3	plus

##	2578	NC_030679.2	125028721	125042624	3	minus
##	2579	NC_030679.2	125424968	125449996	3	minus
##	2580	NC_030679.2	125901614	125906357	3	plus
##	2581	NC_030679.2	126088440	126102310	3	plus
##	2582	NC_030679.2	126252033	126267567	3	plus
##	2583	NC_030679.2	126273772	126291032	3	plus
##	2584	NC_030679.2	126273772	126291032	3	plus
##	2585	NC_030679.2	126417148	126417219	3	minus
##	2586	NC_030679.2	126536587	126536658	3	minus
##	2587	NC_030679.2	126986785	126987980	3	minus
##	2588	NC_030679.2	128103931	128107783	3	minus
##	2589	NC_030679.2	128157229	128157849	3	minus
##	2590	NC_030679.2	128952262	128952358	3	minus
##	2591	NC_030679.2	128953702	128953798	3	minus
##	2592	NC_030679.2	128955625	128955722	3	minus
##	2593	NC_030679.2	129003704	129004876	3	plus
##	2594	NC_030679.2	129073216	129074144	3	minus
##	2595	NC_030679.2	129073216	129074144	3	minus
##	2596	NC_030679.2	129141027	129141896	3	minus
##	2597	NC_030679.2	129143053	129144242	3	minus
##	2598	NC_030679.2	129160336	129175512	3	plus
##	2599	NC_030679.2	129877422	129879130	3	minus
##	2600	NC_030679.2	130119521	130146772	3	plus
##	2601	NC_030679.2	130396690	130396771	3	minus
##	2602	NC_030679.2	131276453	131291065	3	plus
##	2603	NC_030679.2	132389597	132393030	3	minus
##	2604	NC_030679.2	132389597	132393030	3	minus
##	2605	NC_030679.2	132492327	132494339	3	plus
##	2606	NC_030679.2	132728444	132728516	3	minus
##	2607	NC_030679.2	132729141	132729213	3	minus
##	2608	NC_030679.2	132916234	132919975	3	plus
##	2609	NC_030679.2	133100936	133106843	3	minus
##	2610	NC_030679.2	133197840	133203702	3	minus
##	2611	NC_030679.2	133197840	133203702	3	minus
##	2612	NC_030679.2	133224332	133231582	3	minus
##	2613	NC_030679.2	133401936	133405067	3	plus
##	2614	NC_030679.2	133416518	133420030	3	plus
##	2615	NC_030679.2	133437261	133445408	3	plus
##	2616	NC_030679.2	133632168	133633922	3	plus
##	2617	NC_030679.2	133697014	133702437	3	minus
##	2618	NC_030679.2	133742074	133753212	3	minus
##	2619	NC_030679.2	133879205	133879362	3	plus
##	2620	NC_030679.2	133951972	133957057	3	plus
##	2621	NC_030679.2	134873905	134878965	3	minus
##	2622	NC_030679.2	135004158	135004230	3	minus
##	2623	NC_030679.2	135004699	135004771	3	plus
##	2624	NC_030679.2	135004849	135004934	3	plus
##	2625	NC_030679.2	135005256	135005327	3	minus
##	2626	NC_030679.2	135005573	135005644	3	minus
##	2627	NC_030679.2	135006583	135006655	3	minus
##	2628	NC_030679.2	135007124	135007196	3	plus
##	2629	NC_030679.2	135007273	135007358	3	plus
##	2630	NC_030679.2	135007680	135007751	3	minus
##	2631	NC_030679.2	135007985	135008056	3	minus

##	2632	NC_030679.2	135009152	135009224	3	minus
##	2633	NC_030679.2	135009532	135009604	3	minus
##	2634	NC_030679.2	135059163	135059235	3	plus
##	2635	NC_030679.2	135059312	135059397	3	plus
##	2636	NC_030679.2	135060825	135060896	3	minus
##	2637	NC_030679.2	135061127	135061198	3	minus
##	2638	NC_030679.2	135062079	135062151	3	plus
##	2639	NC_030679.2	135062890	135062961	3	minus
##	2640	NC_030679.2	135063464	135063536	3	minus
##	2641	NC_030679.2	135064330	135064402	3	plus
##	2642	NC_030679.2	135065168	135065239	3	minus
##	2643	NC_030679.2	135270949	135271020	3	plus
##	2644	NC_030679.2	135271266	135271337	3	plus
##	2645	NC_030679.2	135271659	135271744	3	minus
##	2646	NC_030679.2	135271821	135271893	3	minus
##	2647	NC_030679.2	135272362	135272434	3	plus
##	2648	NC_030679.2	135272742	135272814	3	plus
##	2649	NC_030679.2	135273655	135273726	3	plus
##	2650	NC_030679.2	135274048	135274133	3	minus
##	2651	NC_030679.2	135274210	135274282	3	minus
##	2652	NC_030679.2	135274751	135274823	3	plus
##	2653	NC_030679.2	135275131	135275203	3	plus
##	2654	NC_030679.2	135275728	135275799	3	plus
##	2655	NC_030679.2	135276045	135276116	3	plus
##	2656	NC_030679.2	135276438	135276523	3	minus
##	2657	NC_030679.2	135276599	135276671	3	minus
##	2658	NC_030679.2	135277140	135277212	3	plus
##	2659	NC_030679.2	135277520	135277592	3	plus
##	2660	NC_030679.2	135278117	135278188	3	plus
##	2661	NC_030679.2	135278434	135278505	3	plus
##	2662	NC_030679.2	135278827	135278912	3	minus
##	2663	NC_030679.2	135278989	135279061	3	minus
##	2664	NC_030679.2	135279530	135279602	3	plus
##	2665	NC_030679.2	135279910	135279982	3	plus
##	2666	NC_030679.2	135280507	135280578	3	plus
##	2667	NC_030679.2	135280824	135280895	3	plus
##	2668	NC_030679.2	135281217	135281302	3	minus
##	2669	NC_030679.2	135281380	135281452	3	minus
##	2670	NC_030679.2	135281921	135281993	3	plus
##	2671	NC_030679.2	135282301	135282373	3	plus
##	2672	NC_030679.2	135282898	135282969	3	plus
##	2673	NC_030679.2	135283215	135283286	3	plus
##	2674	NC_030679.2	135283608	135283693	3	minus
##	2675	NC_030679.2	135283771	135283843	3	minus
##	2676	NC_030679.2	135284312	135284384	3	plus
##	2677	NC_030679.2	135284692	135284764	3	plus
##	2678	NC_030679.2	135285289	135285360	3	plus
##	2679	NC_030679.2	135285606	135285677	3	plus
##	2680	NC_030679.2	135285999	135286084	3	minus
##	2681	NC_030679.2	135286162	135286234	3	minus
##	2682	NC_030679.2	135286703	135286775	3	plus
##	2683	NC_030679.2	135287083	135287155	3	plus
##	2684	NC_030679.2	135287680	135287751	3	plus
##	2685	NC_030679.2	135287997	135288068	3	plus

## 2686	NC_030679.2	135288390	135288475	3	minus
## 2687	NC_030679.2	135355615	135355687	3	plus
## 2688	NC_030679.2	135355762	135355847	3	plus
## 2689	NC_030679.2	135356168	135356239	3	minus
## 2690	NC_030679.2	135356481	135356552	3	minus
## 2691	NC_030679.2	135357075	135357147	3	minus
## 2692	NC_030679.2	135357451	135357522	3	minus
## 2693	NC_030679.2	135357982	135358054	3	plus
## 2694	NC_030679.2	135358131	135358216	3	plus
## 2695	NC_030679.2	135358538	135358609	3	minus
## 2696	NC_030679.2	135358856	135358927	3	minus
## 2697	NC_030679.2	135359451	135359524	3	minus
## 2698	NC_030679.2	135360737	135360809	3	plus
## 2699	NC_030679.2	135361335	135361406	3	plus
## 2700	NC_030679.2	135361652	135361723	3	plus
## 2701	NC_030679.2	135362045	135362130	3	minus
## 2702	NC_030679.2	135362206	135362279	3	minus
## 2703	NC_030679.2	135362748	135362820	3	plus
## 2704	NC_030679.2	135363128	135363200	3	plus
## 2705	NC_030679.2	135363725	135363796	3	plus
## 2706	NC_030679.2	135364042	135364113	3	plus
## 2707	NC_030679.2	135364435	135364520	3	minus
## 2708	NC_030679.2	135364597	135364669	3	minus
## 2709	NC_030679.2	135365138	135365210	3	plus
## 2710	NC_030679.2	135365518	135365590	3	plus
## 2711	NC_030679.2	135366116	135366187	3	plus
## 2712	NC_030679.2	135366433	135366504	3	plus
## 2713	NC_030679.2	135366826	135366911	3	minus
## 2714	NC_030679.2	135366988	135367060	3	minus
## 2715	NC_030679.2	135367528	135367600	3	plus
## 2716	NC_030679.2	135367908	135367980	3	plus
## 2717	NC_030679.2	135368505	135368576	3	plus
## 2718	NC_030679.2	135368822	135368893	3	plus
## 2719	NC_030679.2	135369215	135369300	3	minus
## 2720	NC_030679.2	135369377	135369449	3	minus
## 2721	NC_030679.2	135369918	135369990	3	plus
## 2722	NC_030679.2	135370298	135370370	3	plus
## 2723	NC_030679.2	135402609	135402680	3	plus
## 2724	NC_030679.2	135403186	135403258	3	minus
## 2725	NC_030679.2	135421752	135421823	3	minus
## 2726	NC_030679.2	135422970	135423042	3	minus
## 2727	NC_030679.2	135423704	135423775	3	plus
## 2728	NC_030679.2	135429448	135429520	3	minus
## 2729	NC_030679.2	135429989	135430061	3	plus
## 2730	NC_030679.2	135430139	135430224	3	plus
## 2731	NC_030679.2	135430546	135430617	3	minus
## 2732	NC_030679.2	135430863	135430934	3	minus
## 2733	NC_030679.2	135431459	135431531	3	minus
## 2734	NC_030679.2	135431839	135431911	3	minus
## 2735	NC_030679.2	135432380	135432453	3	plus
## 2736	NC_030679.2	135432531	135432616	3	plus
## 2737	NC_030679.2	135432937	135433008	3	minus
## 2738	NC_030679.2	135433254	135433325	3	minus
## 2739	NC_030679.2	135433850	135433922	3	minus

##	2740	NC_030679.2	135435062	135435134	3	plus
##	2741	NC_030679.2	135436146	135436218	3	plus
##	2742	NC_030679.2	135436796	135436868	3	plus
##	2743	NC_030679.2	135437499	135437570	3	plus
##	2744	NC_030679.2	135438008	135438080	3	plus
##	2745	NC_030679.2	135439095	135439167	3	plus
##	2746	NC_030679.2	135439744	135439816	3	plus
##	2747	NC_030679.2	135441327	135441399	3	plus
##	2748	NC_030679.2	135441956	135442028	3	plus
##	2749	NC_030679.2	135442659	135442730	3	plus
##	2750	NC_030679.2	135443181	135443253	3	plus
##	2751	NC_030679.2	135444264	135444336	3	plus
##	2752	NC_030679.2	135444913	135444985	3	plus
##	2753	NC_030679.2	135445462	135445533	3	plus
##	2754	NC_030679.2	135446115	135446187	3	plus
##	2755	NC_030679.2	135446818	135446889	3	plus
##	2756	NC_030679.2	135447340	135447412	3	plus
##	2757	NC_030679.2	135448424	135448496	3	plus
##	2758	NC_030679.2	135449073	135449145	3	plus
##	2759	NC_030679.2	135449776	135449847	3	plus
##	2760	NC_030679.2	135450283	135450355	3	plus
##	2761	NC_030679.2	135451366	135451438	3	plus
##	2762	NC_030679.2	135452015	135452087	3	plus
##	2763	NC_030679.2	135452714	135452785	3	plus
##	2764	NC_030679.2	135453230	135453302	3	plus
##	2765	NC_030679.2	135454313	135454385	3	plus
##	2766	NC_030679.2	135454962	135455034	3	plus
##	2767	NC_030679.2	135455665	135455736	3	plus
##	2768	NC_030679.2	135456178	135456250	3	plus
##	2769	NC_030679.2	135457262	135457334	3	plus
##	2770	NC_030679.2	135457911	135457983	3	plus
##	2771	NC_030679.2	135458614	135458685	3	plus
##	2772	NC_030679.2	135459127	135459199	3	plus
##	2773	NC_030679.2	135460211	135460283	3	plus
##	2774	NC_030679.2	135460860	135460932	3	plus
##	2775	NC_030679.2	135461563	135461634	3	plus
##	2776	NC_030679.2	135462073	135462145	3	plus
##	2777	NC_030679.2	135463157	135463230	3	plus
##	2778	NC_030679.2	135463806	135463878	3	plus
##	2779	NC_030679.2	135465313	135465385	3	plus
##	2780	NC_030679.2	135465962	135466034	3	plus
##	2781	NC_030679.2	135467049	135467121	3	plus
##	2782	NC_030679.2	135468389	135468460	3	plus
##	2783	NC_030679.2	135468893	135468965	3	plus
##	2784	NC_030679.2	135469978	135470050	3	plus
##	2785	NC_030679.2	135470627	135470699	3	plus
##	2786	NC_030679.2	135471713	135471785	3	plus
##	2787	NC_030679.2	135478535	135478606	3	plus
##	2788	NC_030679.2	135479213	135479284	3	minus
##	2789	NC_030679.2	135479530	135479601	3	minus
##	2790	NC_030679.2	135515583	135515655	3	minus
##	2791	NC_030679.2	135516124	135516196	3	plus
##	2792	NC_030679.2	135516273	135516358	3	plus
##	2793	NC_030679.2	135516680	135516751	3	minus

##	2794	NC_030679.2	135516985	135517056	3	minus
##	2795	NC_030679.2	135517581	135517653	3	minus
##	2796	NC_030679.2	135517961	135518033	3	minus
##	2797	NC_030679.2	135518502	135518574	3	plus
##	2798	NC_030679.2	135518652	135518737	3	plus
##	2799	NC_030679.2	135519059	135519130	3	minus
##	2800	NC_030679.2	135525097	135525168	3	minus
##	2801	NC_030679.2	135525693	135525765	3	minus
##	2802	NC_030679.2	135526074	135526146	3	minus
##	2803	NC_030679.2	135526615	135526687	3	plus
##	2804	NC_030679.2	135526765	135526850	3	plus
##	2805	NC_030679.2	135527172	135527243	3	minus
##	2806	NC_030679.2	135527489	135527560	3	minus
##	2807	NC_030679.2	135528084	135528156	3	minus
##	2808	NC_030679.2	135528464	135528536	3	minus
##	2809	NC_030679.2	135529280	135529352	3	plus
##	2810	NC_030679.2	135530363	135530435	3	plus
##	2811	NC_030679.2	135531012	135531084	3	plus
##	2812	NC_030679.2	135531715	135531786	3	plus
##	2813	NC_030679.2	135532306	135532378	3	plus
##	2814	NC_030679.2	135533009	135533080	3	plus
##	2815	NC_030679.2	135533517	135533589	3	plus
##	2816	NC_030679.2	135534601	135534673	3	plus
##	2817	NC_030679.2	135535250	135535322	3	plus
##	2818	NC_030679.2	135535953	135536024	3	plus
##	2819	NC_030679.2	135536460	135536532	3	plus
##	2820	NC_030679.2	135538595	135538667	3	plus
##	2821	NC_030679.2	135539244	135539316	3	plus
##	2822	NC_030679.2	135539947	135540018	3	plus
##	2823	NC_030679.2	135540457	135540529	3	plus
##	2824	NC_030679.2	135541531	135541603	3	plus
##	2825	NC_030679.2	135542180	135542252	3	plus
##	2826	NC_030679.2	135542883	135542954	3	plus
##	2827	NC_030679.2	135543393	135543465	3	plus
##	2828	NC_030679.2	135544478	135544550	3	plus
##	2829	NC_030679.2	135545127	135545199	3	plus
##	2830	NC_030679.2	135545830	135545901	3	plus
##	2831	NC_030679.2	135546340	135546412	3	plus
##	2832	NC_030679.2	135547426	135547498	3	plus
##	2833	NC_030679.2	135548075	135548147	3	plus
##	2834	NC_030679.2	135548778	135548849	3	plus
##	2835	NC_030679.2	135549289	135549361	3	plus
##	2836	NC_030679.2	135550374	135550446	3	plus
##	2837	NC_030679.2	135551023	135551095	3	plus
##	2838	NC_030679.2	135551726	135551797	3	plus
##	2839	NC_030679.2	135552236	135552308	3	plus
##	2840	NC_030679.2	135553321	135553393	3	plus
##	2841	NC_030679.2	135553970	135554042	3	plus
##	2842	NC_030679.2	135554673	135554744	3	plus
##	2843	NC_030679.2	135555186	135555258	3	plus
##	2844	NC_030679.2	135556271	135556343	3	plus
##	2845	NC_030679.2	135556920	135556992	3	plus
##	2846	NC_030679.2	135557623	135557694	3	plus
##	2847	NC_030679.2	135558136	135558208	3	plus

## 2848	NC_030679.2	135559221	135559293	3	plus
## 2849	NC_030679.2	135559870	135559942	3	plus
## 2850	NC_030679.2	135560573	135560644	3	plus
## 2851	NC_030679.2	135561084	135561156	3	plus
## 2852	NC_030679.2	135562169	135562241	3	plus
## 2853	NC_030679.2	135562818	135562890	3	plus
## 2854	NC_030679.2	135563521	135563592	3	plus
## 2855	NC_030679.2	135564031	135564103	3	plus
## 2856	NC_030679.2	135565116	135565188	3	plus
## 2857	NC_030679.2	135565765	135565837	3	plus
## 2858	NC_030679.2	135566468	135566539	3	plus
## 2859	NC_030679.2	135566978	135567050	3	plus
## 2860	NC_030679.2	135568063	135568135	3	plus
## 2861	NC_030679.2	135568712	135568784	3	plus
## 2862	NC_030679.2	135569415	135569486	3	plus
## 2863	NC_030679.2	135569925	135569997	3	plus
## 2864	NC_030679.2	135571010	135571082	3	plus
## 2865	NC_030679.2	135571659	135571731	3	plus
## 2866	NC_030679.2	135572362	135572433	3	plus
## 2867	NC_030679.2	135572866	135572938	3	plus
## 2868	NC_030679.2	135573950	135574022	3	plus
## 2869	NC_030679.2	135574600	135574672	3	plus
## 2870	NC_030679.2	135581706	135581778	3	minus
## 2871	NC_030679.2	135582618	135582690	3	plus
## 2872	NC_030679.2	135582767	135582852	3	plus
## 2873	NC_030679.2	135583173	135583244	3	minus
## 2874	NC_030679.2	135584075	135584147	3	minus
## 2875	NC_030679.2	135584455	135584527	3	minus
## 2876	NC_030679.2	135584996	135585068	3	plus
## 2877	NC_030679.2	135585145	135585230	3	plus
## 2878	NC_030679.2	135585552	135585623	3	minus
## 2879	NC_030679.2	135585857	135585928	3	minus
## 2880	NC_030679.2	135586453	135586525	3	minus
## 2881	NC_030679.2	135586833	135586905	3	minus
## 2882	NC_030679.2	135587374	135587446	3	plus
## 2883	NC_030679.2	135587523	135587608	3	plus
## 2884	NC_030679.2	135587929	135588000	3	minus
## 2885	NC_030679.2	135588246	135588317	3	minus
## 2886	NC_030679.2	135596488	135596560	3	minus
## 2887	NC_030679.2	135596868	135596940	3	minus
## 2888	NC_030679.2	135597409	135597481	3	plus
## 2889	NC_030679.2	135597558	135597643	3	plus
## 2890	NC_030679.2	135597965	135598036	3	minus
## 2891	NC_030679.2	135598270	135598341	3	minus
## 2892	NC_030679.2	135598866	135598938	3	minus
## 2893	NC_030679.2	135599247	135599319	3	minus
## 2894	NC_030679.2	135599796	135599868	3	plus
## 2895	NC_030679.2	135599944	135600029	3	plus
## 2896	NC_030679.2	135612746	135613195	3	plus
## 2897	NC_030679.2	135672382	135672454	3	minus
## 2898	NC_030679.2	135672762	135672834	3	minus
## 2899	NC_030679.2	135673303	135673375	3	plus
## 2900	NC_030679.2	135673451	135673536	3	plus
## 2901	NC_030679.2	135673858	135673929	3	minus

##	2902	NC_030679.2	135674163	135674234	3	minus
##	2903	NC_030679.2	135674760	135674832	3	minus
##	2904	NC_030679.2	135675134	135675206	3	minus
##	2905	NC_030679.2	135675767	135675839	3	plus
##	2906	NC_030679.2	135675915	135676000	3	plus
##	2907	NC_030679.2	135676322	135676393	3	minus
##	2908	NC_030679.2	135676627	135676698	3	minus
##	2909	NC_030679.2	135677223	135677295	3	minus
##	2910	NC_030679.2	135677733	135684827	3	plus
##	2911	NC_030679.2	135677733	135684827	3	plus
##	2912	NC_030679.2	135685361	135685433	3	plus
##	2913	NC_030679.2	135685510	135685595	3	plus
##	2914	NC_030679.2	135685917	135685988	3	minus
##	2915	NC_030679.2	135686222	135686293	3	minus
##	2916	NC_030679.2	135687044	135687116	3	plus
##	2917	NC_030679.2	135687193	135687278	3	plus
##	2918	NC_030679.2	135687600	135687671	3	minus
##	2919	NC_030679.2	135690562	135690636	3	minus
##	2920	NC_030679.2	135690737	135690807	3	plus
##	2921	NC_030679.2	135691288	135691360	3	minus
##	2922	NC_030679.2	135692805	135692876	3	minus
##	2923	NC_030679.2	135693624	135693696	3	plus
##	2924	NC_030679.2	135693773	135693858	3	plus
##	2925	NC_030679.2	135694180	135694251	3	minus
##	2926	NC_030679.2	135695081	135695153	3	minus
##	2927	NC_030679.2	135695461	135695532	3	minus
##	2928	NC_030679.2	135696093	135696165	3	plus
##	2929	NC_030679.2	135696241	135696326	3	plus
##	2930	NC_030679.2	135696648	135696719	3	minus
##	2931	NC_030679.2	135696953	135697024	3	minus
##	2932	NC_030679.2	135699250	135699322	3	minus
##	2933	NC_030679.2	135699631	135699703	3	minus
##	2934	NC_030679.2	135700266	135700338	3	plus
##	2935	NC_030679.2	135700413	135700498	3	plus
##	2936	NC_030679.2	135700819	135700891	3	minus
##	2937	NC_030679.2	135701127	135701198	3	minus
##	2938	NC_030679.2	135704228	135704299	3	minus
##	2939	NC_030679.2	135704825	135704897	3	minus
##	2940	NC_030679.2	135705205	135705277	3	minus
##	2941	NC_030679.2	135705838	135705910	3	plus
##	2942	NC_030679.2	135705986	135706071	3	plus
##	2943	NC_030679.2	135706393	135706464	3	minus
##	2944	NC_030679.2	135706698	135706769	3	minus
##	2945	NC_030679.2	135706982	135707054	3	plus
##	2946	NC_030679.2	135707664	135707735	3	plus
##	2947	NC_030679.2	135708162	135708234	3	plus
##	2948	NC_030679.2	135717219	135717290	3	plus
##	2949	NC_030679.2	135717894	135717966	3	plus
##	2950	NC_030679.2	135718979	135719051	3	plus
##	2951	NC_030679.2	135721202	135721273	3	minus
##	2952	NC_030679.2	135730279	135730351	3	minus
##	2953	NC_030679.2	135731063	135731149	3	plus
##	2954	NC_030679.2	135731472	135731543	3	minus
##	2955	NC_030679.2	135732388	135732460	3	minus

##	2956	NC_030679.2	135732767	135732839	3	minus
##	2957	NC_030679.2	135733309	135733381	3	plus
##	2958	NC_030679.2	135733458	135733543	3	plus
##	2959	NC_030679.2	135733865	135733936	3	minus
##	2960	NC_030679.2	135734183	135734254	3	minus
##	2961	NC_030679.2	135734779	135734851	3	minus
##	2962	NC_030679.2	135735159	135735231	3	minus
##	2963	NC_030679.2	135735700	135735772	3	plus
##	2964	NC_030679.2	135735849	135735934	3	plus
##	2965	NC_030679.2	135736256	135736328	3	minus
##	2966	NC_030679.2	135736574	135736645	3	minus
##	2967	NC_030679.2	135737170	135737242	3	minus
##	2968	NC_030679.2	135737549	135737621	3	minus
##	2969	NC_030679.2	135738090	135738162	3	plus
##	2970	NC_030679.2	135738239	135738324	3	plus
##	2971	NC_030679.2	135738646	135738717	3	minus
##	2972	NC_030679.2	135738951	135739022	3	minus
##	2973	NC_030679.2	135739921	135739993	3	plus
##	2974	NC_030679.2	135740570	135740642	3	plus
##	2975	NC_030679.2	135741273	135741344	3	plus
##	2976	NC_030679.2	135741786	135741858	3	plus
##	2977	NC_030679.2	135742870	135742942	3	plus
##	2978	NC_030679.2	135743520	135743592	3	plus
##	2979	NC_030679.2	135750587	135750658	3	plus
##	2980	NC_030679.2	135750858	135750943	3	plus
##	2981	NC_030679.2	135751265	135751336	3	minus
##	2982	NC_030679.2	135751582	135751653	3	minus
##	2983	NC_030679.2	135753099	135753171	3	minus
##	2984	NC_030679.2	135754013	135754085	3	plus
##	2985	NC_030679.2	135754163	135754248	3	plus
##	2986	NC_030679.2	135754570	135754641	3	minus
##	2987	NC_030679.2	135754887	135754958	3	minus
##	2988	NC_030679.2	135882639	135882710	3	minus
##	2989	NC_030679.2	135890781	135890852	3	plus
##	2990	NC_030679.2	135891832	135891903	3	plus
##	2991	NC_030679.2	135892932	135893003	3	plus
##	2992	NC_030679.2	135894772	135894843	3	plus
##	2993	NC_030679.2	135895478	135895549	3	plus
##	2994	NC_030679.2	135896601	135896672	3	plus
##	2995	NC_030679.2	135897020	135897091	3	minus
##	2996	NC_030679.2	135898187	135898258	3	minus
##	2997	NC_030679.2	135899152	135899223	3	minus
##	2998	NC_030679.2	135901655	135901726	3	minus
##	2999	NC_030679.2	135902952	135903023	3	minus
##	3000	NC_030679.2	135903901	135903973	3	minus
##	3001	NC_030679.2	135905532	135905604	3	minus
##	3002	NC_030679.2	135921329	135921400	3	minus
##	3003	NC_030679.2	135924720	135924792	3	plus
##	3004	NC_030679.2	135927669	135927740	3	minus
##	3005	NC_030679.2	135927861	135927932	3	minus
##	3006	NC_030679.2	135928055	135928126	3	minus
##	3007	NC_030679.2	135929314	135929386	3	minus
##	3008	NC_030679.2	135934414	135934486	3	minus
##	3009	NC_030679.2	135937346	135937418	3	minus

##	3010	NC_030679.2	135941133	135941204	3	minus
##	3011	NC_030679.2	135942504	135942576	3	minus
##	3012	NC_030679.2	135942720	135942791	3	minus
##	3013	NC_030679.2	135944259	135944331	3	minus
##	3014	NC_030679.2	135944485	135944556	3	minus
##	3015	NC_030679.2	135946673	135946745	3	minus
##	3016	NC_030679.2	135949870	135949942	3	minus
##	3017	NC_030679.2	135952783	135952854	3	plus
##	3018	NC_030679.2	135953526	135953598	3	plus
##	3019	NC_030679.2	135954406	135954477	3	plus
##	3020	NC_030679.2	135955125	135955197	3	plus
##	3021	NC_030679.2	135956315	135956387	3	plus
##	3022	NC_030679.2	135957176	135957247	3	minus
##	3023	NC_030679.2	135958907	135958992	3	plus
##	3024	NC_030679.2	135959528	135959600	3	plus
##	3025	NC_030679.2	135962214	135962286	3	plus
##	3026	NC_030679.2	135962737	135962809	3	plus
##	3027	NC_030679.2	135963738	135963809	3	minus
##	3028	NC_030679.2	135964372	135964443	3	plus
##	3029	NC_030679.2	135965450	135965535	3	plus
##	3030	NC_030679.2	135966095	135966167	3	plus
##	3031	NC_030679.2	135966795	135966867	3	plus
##	3032	NC_030679.2	135968980	135969065	3	plus
##	3033	NC_030679.2	135969620	135969692	3	plus
##	3034	NC_030679.2	135970499	135970570	3	plus
##	3035	NC_030679.2	135974215	135974287	3	plus
##	3036	NC_030679.2	135975090	135975161	3	minus
##	3037	NC_030679.2	135977203	135977275	3	plus
##	3038	NC_030679.2	135977550	135977622	3	plus
##	3039	NC_030679.2	135979111	135979196	3	plus
##	3040	NC_030679.2	135979683	135979755	3	plus
##	3041	NC_030679.2	135980566	135980637	3	plus
##	3042	NC_030679.2	135981384	135981455	3	plus
##	3043	NC_030679.2	135982424	135982509	3	plus
##	3044	NC_030679.2	135983055	135983127	3	plus
##	3045	NC_030679.2	135984755	135984827	3	plus
##	3046	NC_030679.2	135985280	135985352	3	plus
##	3047	NC_030679.2	135986059	135986130	3	minus
##	3048	NC_030679.2	135986345	135986430	3	plus
##	3049	NC_030679.2	135988840	135988913	3	minus
##	3050	NC_030679.2	135989608	135989693	3	plus
##	3051	NC_030679.2	135992232	135992305	3	minus
##	3052	NC_030679.2	135992989	135993074	3	plus
##	3053	NC_030679.2	135993803	135993876	3	minus
##	3054	NC_030679.2	135994559	135994644	3	plus
##	3055	NC_030679.2	136024611	136024683	3	plus
##	3056	NC_030679.2	136027379	136027451	3	plus
##	3057	NC_030679.2	136028206	136028278	3	plus
##	3058	NC_030679.2	136029758	136029830	3	minus
##	3059	NC_030679.2	136030832	136030904	3	minus
##	3060	NC_030679.2	136040190	136040261	3	minus
##	3061	NC_030679.2	136040432	136040505	3	minus
##	3062	NC_030679.2	136040703	136040774	3	plus
##	3063	NC_030679.2	136042184	136042255	3	minus

## 3064	NC_030679.2	136047484	136047556	3	minus
## 3065	NC_030679.2	136047845	136047917	3	minus
## 3066	NC_030679.2	136071615	136071707	3	plus
## 3067	NC_030679.2	136076932	136077004	3	plus
## 3068	NC_030679.2	136079838	136079910	3	minus
## 3069	NC_030679.2	136082625	136082717	3	minus
## 3070	NC_030679.2	136082947	136083018	3	plus
## 3071	NC_030679.2	136083436	136083507	3	plus
## 3072	NC_030679.2	136083819	136083890	3	plus
## 3073	NC_030679.2	136084648	136084740	3	minus
## 3074	NC_030679.2	136086061	136086133	3	minus
## 3075	NC_030679.2	136088440	136088511	3	plus
## 3076	NC_030679.2	136090664	136090735	3	minus
## 3077	NC_030679.2	136090965	136091037	3	plus
## 3078	NC_030679.2	136093602	136093674	3	minus
## 3079	NC_030679.2	136094781	136094853	3	minus
## 3080	NC_030679.2	136095925	136095997	3	plus
## 3081	NC_030679.2	136097340	136097412	3	plus
## 3082	NC_030679.2	136098417	136098489	3	plus
## 3083	NC_030679.2	136099203	136099275	3	plus
## 3084	NC_030679.2	136100498	136100570	3	plus
## 3085	NC_030679.2	136101867	136101939	3	plus
## 3086	NC_030679.2	136103995	136104067	3	plus
## 3087	NC_030679.2	136105132	136105204	3	plus
## 3088	NC_030679.2	136106144	136106216	3	plus
## 3089	NC_030679.2	136107257	136107329	3	plus
## 3090	NC_030679.2	136108104	136108176	3	plus
## 3091	NC_030679.2	136111099	136111171	3	plus
## 3092	NC_030679.2	136112847	136112919	3	plus
## 3093	NC_030679.2	136116613	136116684	3	plus
## 3094	NC_030679.2	136118684	136118756	3	minus
## 3095	NC_030679.2	136123683	136123755	3	plus
## 3096	NC_030679.2	136125011	136125083	3	minus
## 3097	NC_030679.2	136126982	136127053	3	plus
## 3098	NC_030679.2	136127321	136127393	3	plus
## 3099	NC_030679.2	136127446	136127518	3	plus
## 3100	NC_030679.2	136128217	136128289	3	plus
## 3101	NC_030679.2	136130205	136130276	3	minus
## 3102	NC_030679.2	136131467	136131539	3	plus
## 3103	NC_030679.2	136132201	136132272	3	plus
## 3104	NC_030679.2	136133905	136133977	3	plus
## 3105	NC_030679.2	136134841	136134912	3	plus
## 3106	NC_030679.2	136135986	136136058	3	plus
## 3107	NC_030679.2	136136831	136136902	3	plus
## 3108	NC_030679.2	136137976	136138048	3	plus
## 3109	NC_030679.2	136139585	136139656	3	plus
## 3110	NC_030679.2	136141407	136141479	3	plus
## 3111	NC_030679.2	136142278	136142349	3	plus
## 3112	NC_030679.2	136144108	136144180	3	plus
## 3113	NC_030679.2	136146130	136146201	3	plus
## 3114	NC_030679.2	136148227	136148299	3	plus
## 3115	NC_030679.2	136149094	136149165	3	plus
## 3116	NC_030679.2	136784190	136784261	3	plus
## 3117	NC_030679.2	136784530	136784602	3	plus

## 3118	NC_030679.2	136786260	136786331	3	minus
## 3119	NC_030679.2	136786616	136791378	3	plus
## 3120	NC_030679.2	136827570	136827642	3	plus
## 3121	NC_030679.2	136863378	136863450	3	plus
## 3122	NC_030679.2	136952810	136974310	3	minus
## 3123	NC_030679.2	137122436	137133282	3	plus
## 3124	NC_030679.2	137122436	137133282	3	plus
## 3125	NC_030679.2	137281064	137281135	3	minus
## 3126	NC_030679.2	137281571	137281642	3	minus
## 3127	NC_030679.2	137400849	137400920	3	minus
## 3128	NC_030679.2	137463038	137463109	3	plus
## 3129	NC_030679.2	137463545	137463616	3	plus
## 3130	NC_030679.2	137464194	137464286	3	minus
## 3131	NC_030679.2	137464401	137464472	3	plus
## 3132	NC_030679.2	137464907	137464978	3	plus
## 3133	NC_030679.2	137465555	137465647	3	minus
## 3134	NC_030679.2	137465762	137465833	3	plus
## 3135	NC_030679.2	137466269	137466340	3	plus
## 3136	NC_030679.2	137466917	137467009	3	minus
## 3137	NC_030679.2	137467124	137467195	3	plus
## 3138	NC_030679.2	137467631	137467702	3	plus
## 3139	NC_030679.2	137468279	137468371	3	minus
## 3140	NC_030679.2	137468486	137468557	3	plus
## 3141	NC_030679.2	137468993	137469064	3	plus
## 3142	NC_030679.2	137469641	137469733	3	minus
## 3143	NC_030679.2	137469869	137469940	3	plus
## 3144	NC_030679.2	137470376	137470447	3	plus
## 3145	NC_030679.2	137471024	137471116	3	minus
## 3146	NC_030679.2	137471230	137471301	3	plus
## 3147	NC_030679.2	137471737	137471808	3	plus
## 3148	NC_030679.2	137472385	137472477	3	minus
## 3149	NC_030679.2	137472592	137472663	3	plus
## 3150	NC_030679.2	137473099	137473170	3	plus
## 3151	NC_030679.2	137473747	137473839	3	minus
## 3152	NC_030679.2	137473954	137474025	3	plus
## 3153	NC_030679.2	137474461	137474532	3	plus
## 3154	NC_030679.2	137475109	137475201	3	minus
## 3155	NC_030679.2	137475316	137475387	3	plus
## 3156	NC_030679.2	137475823	137475894	3	plus
## 3157	NC_030679.2	137476471	137476563	3	minus
## 3158	NC_030679.2	137476678	137476749	3	plus
## 3159	NC_030679.2	137477185	137477256	3	plus
## 3160	NC_030679.2	137477833	137477925	3	minus
## 3161	NC_030679.2	137478040	137478111	3	plus
## 3162	NC_030679.2	137478547	137478618	3	plus
## 3163	NC_030679.2	137479195	137479287	3	minus
## 3164	NC_030679.2	137479402	137479473	3	plus
## 3165	NC_030679.2	137479909	137479980	3	plus
## 3166	NC_030679.2	137480557	137480649	3	minus
## 3167	NC_030679.2	137480764	137480835	3	plus
## 3168	NC_030679.2	137481271	137481342	3	plus
## 3169	NC_030679.2	137481919	137482011	3	minus
## 3170	NC_030679.2	137482126	137482197	3	plus
## 3171	NC_030679.2	137482633	137482704	3	plus

## 3172	NC_030679.2	137483281	137483373	3	minus
## 3173	NC_030679.2	137483488	137483559	3	plus
## 3174	NC_030679.2	137483995	137484066	3	plus
## 3175	NC_030679.2	137484643	137484735	3	minus
## 3176	NC_030679.2	137484850	137484921	3	plus
## 3177	NC_030679.2	137485357	137485428	3	plus
## 3178	NC_030679.2	137486005	137486097	3	minus
## 3179	NC_030679.2	137486212	137486283	3	plus
## 3180	NC_030679.2	137486719	137486790	3	plus
## 3181	NC_030679.2	137487367	137487459	3	minus
## 3182	NC_030679.2	137487574	137487645	3	plus
## 3183	NC_030679.2	137488081	137488152	3	plus
## 3184	NC_030679.2	137488729	137488821	3	minus
## 3185	NC_030679.2	137488936	137489007	3	plus
## 3186	NC_030679.2	137489443	137489514	3	plus
## 3187	NC_030679.2	137490091	137490183	3	minus
## 3188	NC_030679.2	137490298	137490369	3	plus
## 3189	NC_030679.2	137490805	137490876	3	plus
## 3190	NC_030679.2	137491453	137491545	3	minus
## 3191	NC_030679.2	137491660	137491731	3	plus
## 3192	NC_030679.2	137492167	137492238	3	plus
## 3193	NC_030679.2	137492815	137492907	3	minus
## 3194	NC_030679.2	137493022	137493093	3	plus
## 3195	NC_030679.2	137493529	137493600	3	plus
## 3196	NC_030679.2	137494177	137494269	3	minus
## 3197	NC_030679.2	137494384	137494455	3	plus
## 3198	NC_030679.2	137494891	137494962	3	plus
## 3199	NC_030679.2	137495539	137495631	3	minus
## 3200	NC_030679.2	137495746	137495817	3	plus
## 3201	NC_030679.2	137496253	137496324	3	plus
## 3202	NC_030679.2	137496901	137496993	3	minus
## 3203	NC_030679.2	137497108	137497179	3	plus
## 3204	NC_030679.2	137497615	137497686	3	plus
## 3205	NC_030679.2	137498263	137498355	3	minus
## 3206	NC_030679.2	137498470	137498541	3	plus
## 3207	NC_030679.2	137498977	137499048	3	plus
## 3208	NC_030679.2	137499625	137499717	3	minus
## 3209	NC_030679.2	137499832	137499903	3	plus
## 3210	NC_030679.2	137500339	137500410	3	plus
## 3211	NC_030679.2	137500987	137501079	3	minus
## 3212	NC_030679.2	137501194	137501265	3	plus
## 3213	NC_030679.2	137501701	137501772	3	plus
## 3214	NC_030679.2	137502349	137502441	3	minus
## 3215	NC_030679.2	137502703	137502774	3	plus
## 3216	NC_030679.2	137503210	137503281	3	plus
## 3217	NC_030679.2	138359985	138425618	3	minus
## 3218	NC_030679.2	138359985	138425618	3	minus
## 3219	NC_030679.2	138359985	138425618	3	minus
## 3220	NC_030679.2	138586904	138649140	3	minus
## 3221	NC_030679.2	138586904	138649140	3	minus
## 3222	NC_030679.2	138667722	138680495	3	minus
## 3223	NC_030679.2	138680465	138724503	3	plus
## 3224	NC_030679.2	138680465	138724503	3	plus
## 3225	NC_030679.2	138680465	138724503	3	plus

##	3226	NC_030679.2	138680465	138724503	3	plus
##	3227	NC_030679.2	138680465	138724503	3	plus
##	3228	NC_030679.2	138680465	138724503	3	plus
##	3229	NC_030679.2	138680465	138724503	3	plus
##	3230	NC_030679.2	138680465	138724503	3	plus
##	3231	NC_030679.2	138680465	138724503	3	plus
##	3232	NC_030679.2	138680465	138724503	3	plus
##	3233	NC_030679.2	138712279	138713840	3	plus
##	3234	NC_030679.2	138714590	138718223	3	minus
##	3235	NC_030679.2	138715676	138717701	3	minus
##	3236	NC_030679.2	138725645	138727301	3	plus
##	3237	NC_030679.2	138733089	138733757	3	plus
##	3238	NC_030679.2	138803468	138803577	3	minus
##	3239	NC_030679.2	138952809	138963938	3	minus
##	3240	NC_030679.2	138969088	138973341	3	minus
##	3241	NC_030679.2	139217828	139251163	3	minus
##	3242	NC_030679.2	139875134	139875841	3	minus
##	3243	NC_030679.2	140473203	140473270	3	plus
##	3244	NC_030679.2	140478988	140479059	3	plus
##	3245	NC_030679.2	141178824	141178921	3	minus
##	3246	NC_030679.2	141210116	141210193	3	plus
##	3247	NC_030679.2	141210724	141210799	3	plus
##	3248	NC_030679.2	141210860	141210927	3	plus
##	3249	NC_030679.2	141448821	141450366	3	plus
##	3250	NC_030679.2	141665653	141752125	3	plus
##	3251	NC_030679.2	141669321	141669392	3	plus
##	3252	NC_030679.2	141673251	141673323	3	plus
##	3253	NC_030679.2	141673569	141673641	3	plus
##	3254	NC_030679.2	141674332	141674404	3	plus
##	3255	NC_030679.2	141674671	141674743	3	plus
##	3256	NC_030679.2	141674989	141675061	3	plus
##	3257	NC_030679.2	141866314	141866493	3	plus
##	3258	NC_030679.2	142301155	142301772	3	minus
##	3259	NC_030679.2	142458785	142458881	3	minus
##	3260	NC_030679.2	142688908	142697129	3	plus
##	3261	NC_030679.2	143128039	143131514	3	plus
##	3262	NC_030679.2	143128039	143131514	3	plus
##	3263	NC_030679.2	143488328	143488399	3	plus
##	3264	NC_030679.2	143488807	143488880	3	plus
##	3265	NC_030679.2	143489293	143489374	3	plus
##	3266	NC_030679.2	143490340	143490411	3	minus
##	3267	NC_030679.2	143491612	143491693	3	minus
##	3268	NC_030679.2	143492484	143492565	3	plus
##	3269	NC_030679.2	143599790	143602995	3	minus
##	3270	NC_030679.2	143738355	143744654	3	plus
##	3271	NC_030679.2	144174836	144174909	3	minus
##	3272	NC_030679.2	144223304	144223376	3	plus
##	3273	NC_030679.2	144223428	144223509	3	plus
##	3274	NC_030679.2	144228863	144228936	3	plus
##	3275	NC_030679.2	144229190	144229263	3	plus
##	3276	NC_030679.2	144230309	144230382	3	minus
##	3277	NC_030679.2	144231168	144231241	3	plus
##	3278	NC_030679.2	144231860	144231941	3	plus
##	3279	NC_030679.2	144232204	144232285	3	plus

## 3280	NC_030679.2	144232641	144232714	3	minus
## 3281	NC_030679.2	144234195	144234268	3	minus
## 3282	NC_030679.2	144235065	144235138	3	minus
## 3283	NC_030679.2	144236361	144236434	3	minus
## 3284	NC_030679.2	144321613	144321686	3	plus
## 3285	NC_030679.2	144345704	144345785	3	minus
## 3286	NC_030679.2	144351098	144351169	3	plus
## 3287	NC_030679.2	144352681	144352752	3	plus
## 3288	NC_030679.2	144352934	144353015	3	minus
## 3289	NC_030679.2	144354547	144354685	3	plus
## 3290	NC_030679.2	144356662	144356800	3	plus
## 3291	NC_030679.2	144358586	144358724	3	plus
## 3292	NC_030679.2	144360751	144360889	3	plus
## 3293	NC_030679.2	144362982	144363120	3	plus
## 3294	NC_030679.2	144483359	144483440	3	plus
## 3295	NC_030679.2	144492439	144492510	3	minus
## 3296	NC_030679.2	144502019	144502100	3	minus
## 3297	NC_030679.2	144505481	144505552	3	plus
## 3298	NC_030679.2	144538928	144539009	3	minus
## 3299	NC_030679.2	144568462	144568532	3	plus
## 3300	NC_030679.2	144568808	144568878	3	plus
## 3301	NC_030679.2	144571377	144571447	3	plus
## 3302	NC_030679.2	144573110	144573180	3	minus
## 3303	NC_030679.2	144576895	144576965	3	plus
## 3304	NC_030679.2	144582601	144582671	3	plus
## 3305	NC_030679.2	144588631	144588701	3	minus
## 3306	NC_030679.2	144590752	144590822	3	plus
## 3307	NC_030679.2	144591892	144591962	3	plus
## 3308	NC_030679.2	144594562	144594632	3	plus
## 3309	NC_030679.2	144595031	144595101	3	plus
## 3310	NC_030679.2	144616560	144616641	3	plus
## 3311	NC_030679.2	144618543	144618624	3	plus
## 3312	NC_030679.2	144621078	144621159	3	plus
## 3313	NC_030679.2	144623276	144623357	3	plus
## 3314	NC_030679.2	144635733	144635814	3	plus
## 3315	NC_030679.2	144644978	144645059	3	minus
## 3316	NC_030679.2	144645913	144645986	3	minus
## 3317	NC_030679.2	144647788	144647869	3	minus
## 3318	NC_030679.2	144648324	144648397	3	minus
## 3319	NC_030679.2	144648959	144649040	3	minus
## 3320	NC_030679.2	144650675	144650746	3	minus
## 3321	NC_030679.2	144655229	144655302	3	minus
## 3322	NC_030679.2	144655755	144655836	3	minus
## 3323	NC_030679.2	144656672	144656745	3	minus
## 3324	NC_030679.2	144657051	144657124	3	minus
## 3325	NC_030679.2	144657785	144657866	3	plus
## 3326	NC_030679.2	144658225	144658298	3	plus
## 3327	NC_030679.2	144659148	144659229	3	plus
## 3328	NC_030679.2	144660201	144660274	3	minus
## 3329	NC_030679.2	144662004	144662085	3	plus
## 3330	NC_030679.2	144663537	144663618	3	plus
## 3331	NC_030679.2	144685495	144706691	3	minus
## 3332	NC_030679.2	144725446	144725527	3	plus
## 3333	NC_030679.2	144809875	144809948	3	minus

## 3334	NC_030679.2	144810056	144810137	3	plus
## 3335	NC_030679.2	144811054	144811125	3	minus
## 3336	NC_030679.2	144811651	144811732	3	minus
## 3337	NC_030679.2	144812067	144812138	3	minus
## 3338	NC_030679.2	144812664	144812745	3	minus
## 3339	NC_030679.2	144813828	144813909	3	minus
## 3340	NC_030679.2	144819101	144819174	3	minus
## 3341	NC_030679.2	144819282	144819363	3	plus
## 3342	NC_030679.2	144820280	144820351	3	minus
## 3343	NC_030679.2	144820877	144820958	3	minus
## 3344	NC_030679.2	144821293	144821364	3	minus
## 3345	NC_030679.2	144821889	144821970	3	minus
## 3346	NC_030679.2	144823045	144823126	3	minus
## 3347	NC_030679.2	144823434	144823507	3	minus
## 3348	NC_030679.2	144823615	144823696	3	plus
## 3349	NC_030679.2	144824613	144824684	3	minus
## 3350	NC_030679.2	144825210	144825291	3	minus
## 3351	NC_030679.2	144826187	144826268	3	minus
## 3352	NC_030679.2	144827351	144827432	3	minus
## 3353	NC_030679.2	144827813	144827886	3	minus
## 3354	NC_030679.2	144827994	144828075	3	plus
## 3355	NC_030679.2	144828976	144829047	3	minus
## 3356	NC_030679.2	144829573	144829654	3	minus
## 3357	NC_030679.2	144829989	144830060	3	minus
## 3358	NC_030679.2	144830585	144830667	3	minus
## 3359	NC_030679.2	144832129	144832203	3	minus
## 3360	NC_030679.2	144832311	144832392	3	plus
## 3361	NC_030679.2	144833463	144833536	3	minus
## 3362	NC_030679.2	144833644	144833725	3	plus
## 3363	NC_030679.2	144834641	144834712	3	minus
## 3364	NC_030679.2	144835238	144835319	3	minus
## 3365	NC_030679.2	144835654	144835725	3	minus
## 3366	NC_030679.2	144836250	144836331	3	minus
## 3367	NC_030679.2	144837413	144837494	3	minus
## 3368	NC_030679.2	144837875	144837948	3	minus
## 3369	NC_030679.2	144838056	144838137	3	plus
## 3370	NC_030679.2	144839054	144839125	3	minus
## 3371	NC_030679.2	144839651	144839732	3	minus
## 3372	NC_030679.2	144840067	144840138	3	minus
## 3373	NC_030679.2	144840663	144840744	3	minus
## 3374	NC_030679.2	144841827	144841908	3	minus
## 3375	NC_030679.2	144842289	144842362	3	minus
## 3376	NC_030679.2	144842470	144842551	3	plus
## 3377	NC_030679.2	144843468	144843539	3	minus
## 3378	NC_030679.2	144844065	144844146	3	minus
## 3379	NC_030679.2	144844481	144844552	3	minus
## 3380	NC_030679.2	144845077	144845158	3	minus
## 3381	NC_030679.2	144846241	144846322	3	minus
## 3382	NC_030679.2	144846703	144846776	3	minus
## 3383	NC_030679.2	144846884	144846965	3	plus
## 3384	NC_030679.2	144847882	144847953	3	minus
## 3385	NC_030679.2	144848479	144848560	3	minus
## 3386	NC_030679.2	144848895	144848966	3	minus
## 3387	NC_030679.2	144850625	144850706	3	minus

##	3388	NC_030679.2	144851087	144851160	3	minus
##	3389	NC_030679.2	144851268	144851349	3	plus
##	3390	NC_030679.2	144852850	144852931	3	minus
##	3391	NC_030679.2	144853266	144853337	3	minus
##	3392	NC_030679.2	144853862	144853943	3	minus
##	3393	NC_030679.2	144854609	144854690	3	minus
##	3394	NC_030679.2	144860512	144860583	3	minus
##	3395	NC_030679.2	144862170	144862251	3	minus
##	3396	NC_030679.2	144870913	144870994	3	minus
##	3397	NC_030679.2	144871954	144872035	3	minus
##	3398	NC_030679.2	144873863	144873944	3	minus
##	3399	NC_030679.2	144875425	144875506	3	minus
##	3400	NC_030679.2	144876465	144876546	3	minus
##	3401	NC_030679.2	144877342	144877423	3	minus
##	3402	NC_030679.2	144934645	144934727	3	minus
##	3403	NC_030679.2	144936517	144936590	3	minus
##	3404	NC_030679.2	144937931	144938004	3	plus
##	3405	NC_030679.2	144938402	144938475	3	plus
##	3406	NC_030679.2	144938953	144939035	3	minus
##	3407	NC_030679.2	144939553	144939626	3	plus
##	3408	NC_030679.2	144941309	144941382	3	minus
##	3409	NC_030679.2	144941490	144941571	3	plus
##	3410	NC_030679.2	144942452	144942523	3	minus
##	3411	NC_030679.2	144943271	144943344	3	minus
##	3412	NC_030679.2	144944124	144944197	3	minus
##	3413	NC_030679.2	144944413	144944495	3	plus
##	3414	NC_030679.2	144944855	144944937	3	minus
##	3415	NC_030679.2	144946773	144946854	3	plus
##	3416	NC_030679.2	144950606	144950687	3	minus
##	3417	NC_030679.2	144952155	144952228	3	minus
##	3418	NC_030679.2	144952573	144952646	3	minus
##	3419	NC_030679.2	144952730	144952811	3	plus
##	3420	NC_030679.2	144953170	144953243	3	plus
##	3421	NC_030679.2	144953960	144954041	3	plus
##	3422	NC_030679.2	144954589	144954660	3	plus
##	3423	NC_030679.2	144955875	144955957	3	minus
##	3424	NC_030679.2	144956941	144957022	3	minus
##	3425	NC_030679.2	144958571	144958644	3	minus
##	3426	NC_030679.2	144958989	144959062	3	minus
##	3427	NC_030679.2	144959146	144959227	3	plus
##	3428	NC_030679.2	144960349	144960420	3	plus
##	3429	NC_030679.2	144962037	144962118	3	plus
##	3430	NC_030679.2	144962425	144962498	3	plus
##	3431	NC_030679.2	144963903	144963984	3	plus
##	3432	NC_030679.2	144965173	144965255	3	minus
##	3433	NC_030679.2	144966072	144966145	3	plus
##	3434	NC_030679.2	144967155	144967226	3	minus
##	3435	NC_030679.2	144967789	144967870	3	plus
##	3436	NC_030679.2	144969059	144969132	3	minus
##	3437	NC_030679.2	144969614	144969687	3	plus
##	3438	NC_030679.2	144970956	144971037	3	minus
##	3439	NC_030679.2	144971496	144971569	3	plus
##	3440	NC_030679.2	144972149	144972222	3	minus
##	3441	NC_030679.2	144972398	144972469	3	minus

## 3442	NC_030679.2	144973005	144973078	3	plus
## 3443	NC_030679.2	144975685	144975767	3	minus
## 3444	NC_030679.2	144975966	144976039	3	plus
## 3445	NC_030679.2	144977308	144977389	3	minus
## 3446	NC_030679.2	144977848	144977921	3	plus
## 3447	NC_030679.2	144978501	144978574	3	minus
## 3448	NC_030679.2	144978750	144978821	3	minus
## 3449	NC_030679.2	144979357	144979430	3	plus
## 3450	NC_030679.2	144979752	144979825	3	plus
## 3451	NC_030679.2	144980133	144980206	3	plus
## 3452	NC_030679.2	144981602	144981683	3	plus
## 3453	NC_030679.2	144982870	144982952	3	minus
## 3454	NC_030679.2	144983151	144983224	3	plus
## 3455	NC_030679.2	144983673	144983744	3	plus
## 3456	NC_030679.2	144984708	144984781	3	minus
## 3457	NC_030679.2	144985614	144985695	3	minus
## 3458	NC_030679.2	144988082	144988155	3	plus
## 3459	NC_030679.2	144988536	144988617	3	plus
## 3460	NC_030679.2	144990250	144990323	3	minus
## 3461	NC_030679.2	144992472	144992554	3	plus
## 3462	NC_030679.2	144993932	144994013	3	minus
## 3463	NC_030679.2	144994887	144994960	3	minus
## 3464	NC_030679.2	144995611	144995684	3	minus
## 3465	NC_030679.2	144996934	144997006	3	minus
## 3466	NC_030679.2	144997675	144997747	3	minus
## 3467	NC_030679.2	144998495	144998567	3	minus
## 3468	NC_030679.2	144999251	144999323	3	minus
## 3469	NC_030679.2	144999569	144999641	3	minus
## 3470	NC_030679.2	144999743	144999815	3	minus
## 3471	NC_030679.2	145000063	145000134	3	minus
## 3472	NC_030679.2	145000506	145000578	3	minus
## 3473	NC_030679.2	145000824	145000896	3	minus
## 3474	NC_030679.2	145000998	145001070	3	minus
## 3475	NC_030679.2	145001316	145001387	3	minus
## 3476	NC_030679.2	145001765	145001837	3	minus
## 3477	NC_030679.2	145002083	145002155	3	minus
## 3478	NC_030679.2	145002903	145002975	3	minus
## 3479	NC_030679.2	145003222	145003293	3	minus
## 3480	NC_030679.2	145003671	145003743	3	minus
## 3481	NC_030679.2	145007219	145007300	3	minus
## 3482	NC_030679.2	145008170	145008243	3	minus
## 3483	NC_030679.2	145008891	145008964	3	minus
## 3484	NC_030679.2	145009564	145009646	3	plus
## 3485	NC_030679.2	145013967	145014040	3	minus
## 3486	NC_030679.2	145014691	145014764	3	minus
## 3487	NC_030679.2	145028320	145028401	3	minus
## 3488	NC_030679.2	145029275	145029348	3	minus
## 3489	NC_030679.2	145029999	145030072	3	minus
## 3490	NC_030679.2	145030694	145030776	3	plus
## 3491	NC_030679.2	145032072	145032153	3	minus
## 3492	NC_030679.2	145033027	145033100	3	minus
## 3493	NC_030679.2	145033751	145033824	3	minus
## 3494	NC_030679.2	145034445	145034527	3	plus
## 3495	NC_030679.2	145036028	145036109	3	minus

##	3496	NC_030679.2	145037707	145037780	3	minus
##	3497	NC_030679.2	145039843	145039924	3	minus
##	3498	NC_030679.2	145041522	145041595	3	minus
##	3499	NC_030679.2	145043659	145043740	3	minus
##	3500	NC_030679.2	145045338	145045411	3	minus
##	3501	NC_030679.2	145046033	145046115	3	plus
##	3502	NC_030679.2	145047492	145047573	3	minus
##	3503	NC_030679.2	145049171	145049244	3	minus
##	3504	NC_030679.2	145049865	145049947	3	plus
##	3505	NC_030679.2	145051324	145051405	3	minus
##	3506	NC_030679.2	145053003	145053076	3	minus
##	3507	NC_030679.2	145053697	145053779	3	plus
##	3508	NC_030679.2	145060446	145060528	3	plus
##	3509	NC_030679.2	145062311	145062392	3	minus
##	3510	NC_030679.2	145063978	145064051	3	minus
##	3511	NC_030679.2	145064673	145064755	3	plus
##	3512	NC_030679.2	145066133	145066214	3	minus
##	3513	NC_030679.2	145067088	145067161	3	minus
##	3514	NC_030679.2	145067812	145067885	3	minus
##	3515	NC_030679.2	145068456	145077357	3	plus
##	3516	NC_030679.2	145068507	145068589	3	plus
##	3517	NC_030679.2	145069966	145070047	3	minus
##	3518	NC_030679.2	145070483	145070554	3	minus
##	3519	NC_030679.2	145071243	145071315	3	minus
##	3520	NC_030679.2	145072290	145072361	3	minus
##	3521	NC_030679.2	145072739	145072811	3	minus
##	3522	NC_030679.2	145073057	145073129	3	minus
##	3523	NC_030679.2	145077342	145077423	3	minus
##	3524	NC_030679.2	145079021	145079094	3	minus
##	3525	NC_030679.2	145079716	145079798	3	plus
##	3526	NC_030679.2	145081159	145081240	3	minus
##	3527	NC_030679.2	145082114	145082187	3	minus
##	3528	NC_030679.2	145082838	145082911	3	minus
##	3529	NC_030679.2	145083533	145083615	3	plus
##	3530	NC_030679.2	145084749	145084830	3	minus
##	3531	NC_030679.2	145086427	145086500	3	minus
##	3532	NC_030679.2	145087122	145087204	3	plus
##	3533	NC_030679.2	145088573	145088654	3	minus
##	3534	NC_030679.2	145090252	145090325	3	minus
##	3535	NC_030679.2	145090947	145091029	3	plus
##	3536	NC_030679.2	145092406	145092487	3	minus
##	3537	NC_030679.2	145093361	145093434	3	minus
##	3538	NC_030679.2	145094085	145094158	3	minus
##	3539	NC_030679.2	145094766	145094848	3	plus
##	3540	NC_030679.2	145096225	145096306	3	minus
##	3541	NC_030679.2	145097180	145097253	3	minus
##	3542	NC_030679.2	145097904	145097977	3	minus
##	3543	NC_030679.2	145098599	145098681	3	plus
##	3544	NC_030679.2	145100058	145100139	3	minus
##	3545	NC_030679.2	145101009	145101082	3	minus
##	3546	NC_030679.2	145101733	145101806	3	minus
##	3547	NC_030679.2	145102428	145102510	3	plus
##	3548	NC_030679.2	145103806	145103887	3	minus
##	3549	NC_030679.2	145104773	145104846	3	minus

##	3550	NC_030679.2	145105497	145105570	3	minus
##	3551	NC_030679.2	145106193	145106275	3	plus
##	3552	NC_030679.2	145107409	145107490	3	minus
##	3553	NC_030679.2	145108352	145108425	3	minus
##	3554	NC_030679.2	145109076	145109149	3	minus
##	3555	NC_030679.2	145109771	145109853	3	plus
##	3556	NC_030679.2	145117060	145117141	3	minus
##	3557	NC_030679.2	145117577	145117648	3	minus
##	3558	NC_030679.2	145118026	145118098	3	minus
##	3559	NC_030679.2	145118344	145118416	3	minus
##	3560	NC_030679.2	145124570	145124642	3	minus
##	3561	NC_030679.2	145131117	145131188	3	minus
##	3562	NC_030679.2	145131566	145131638	3	minus
##	3563	NC_030679.2	145131884	145131956	3	minus
##	3564	NC_030679.2	145132705	145132777	3	minus
##	3565	NC_030679.2	145133023	145133094	3	minus
##	3566	NC_030679.2	145133472	145133544	3	minus
##	3567	NC_030679.2	145133790	145133862	3	minus
##	3568	NC_030679.2	145134611	145134683	3	minus
##	3569	NC_030679.2	145134930	145135001	3	minus
##	3570	NC_030679.2	145135379	145135451	3	minus
##	3571	NC_030679.2	145135697	145135769	3	minus
##	3572	NC_030679.2	145136518	145136590	3	minus
##	3573	NC_030679.2	145136838	145136909	3	minus
##	3574	NC_030679.2	145137287	145137359	3	minus
##	3575	NC_030679.2	145137605	145137677	3	minus
##	3576	NC_030679.2	145138426	145138498	3	minus
##	3577	NC_030679.2	145138746	145138817	3	minus
##	3578	NC_030679.2	145139195	145139267	3	minus
##	3579	NC_030679.2	145139513	145139585	3	minus
##	3580	NC_030679.2	145140334	145140406	3	minus
##	3581	NC_030679.2	145140653	145140724	3	minus
##	3582	NC_030679.2	145141102	145141174	3	minus
##	3583	NC_030679.2	145141420	145141492	3	minus
##	3584	NC_030679.2	145142241	145142313	3	minus
##	3585	NC_030679.2	145142561	145142632	3	minus
##	3586	NC_030679.2	145143010	145143082	3	minus
##	3587	NC_030679.2	145143328	145143400	3	minus
##	3588	NC_030679.2	145144149	145144221	3	minus
##	3589	NC_030679.2	145144469	145144540	3	minus
##	3590	NC_030679.2	145144918	145144990	3	minus
##	3591	NC_030679.2	145145236	145145308	3	minus
##	3592	NC_030679.2	145146057	145146129	3	minus
##	3593	NC_030679.2	145146377	145146448	3	minus
##	3594	NC_030679.2	145146826	145146898	3	minus
##	3595	NC_030679.2	145147144	145147216	3	minus
##	3596	NC_030679.2	145147965	145148037	3	minus
##	3597	NC_030679.2	145148284	145148355	3	minus
##	3598	NC_030679.2	145148733	145148805	3	minus
##	3599	NC_030679.2	145149051	145149123	3	minus
##	3600	NC_030679.2	145149872	145149944	3	minus
##	3601	NC_030679.2	145150191	145150262	3	minus
##	3602	NC_030679.2	145150640	145150712	3	minus
##	3603	NC_030679.2	145150958	145151030	3	minus

##	3604	NC_030679.2	145151779	145151851	3	minus
##	3605	NC_030679.2	145152099	145152170	3	minus
##	3606	NC_030679.2	145152548	145152620	3	minus
##	3607	NC_030679.2	145152866	145152938	3	minus
##	3608	NC_030679.2	145153687	145153759	3	minus
##	3609	NC_030679.2	145154007	145154078	3	minus
##	3610	NC_030679.2	145154456	145154528	3	minus
##	3611	NC_030679.2	145154774	145154846	3	minus
##	3612	NC_030679.2	145155594	145155666	3	minus
##	3613	NC_030679.2	145155913	145155984	3	minus
##	3614	NC_030679.2	145156363	145156436	3	minus
##	3615	NC_030679.2	145156681	145156753	3	minus
##	3616	NC_030679.2	145157503	145157575	3	minus
##	3617	NC_030679.2	145157823	145157894	3	minus
##	3618	NC_030679.2	145158272	145158344	3	minus
##	3619	NC_030679.2	145206423	145206494	3	minus
##	3620	NC_030679.2	145206876	145206947	3	minus
##	3621	NC_030679.2	145207192	145207266	3	minus
##	3622	NC_030679.2	145208014	145208087	3	minus
##	3623	NC_030679.2	145208787	145208859	3	minus
##	3624	NC_030679.2	145209105	145209177	3	minus
##	3625	NC_030679.2	145209925	145209997	3	minus
##	3626	NC_030679.2	145210245	145210317	3	minus
##	3627	NC_030679.2	145210696	145210768	3	minus
##	3628	NC_030679.2	145211376	145211448	3	minus
##	3629	NC_030679.2	145212197	145212269	3	minus
##	3630	NC_030679.2	145212517	145212588	3	minus
##	3631	NC_030679.2	145212966	145213038	3	minus
##	3632	NC_030679.2	145213284	145213356	3	minus
##	3633	NC_030679.2	145214105	145214177	3	minus
##	3634	NC_030679.2	145214425	145214496	3	minus
##	3635	NC_030679.2	145215095	145215167	3	minus
##	3636	NC_030679.2	145215916	145215988	3	minus
##	3637	NC_030679.2	145216235	145216306	3	minus
##	3638	NC_030679.2	145216684	145216756	3	minus
##	3639	NC_030679.2	145217002	145217074	3	minus
##	3640	NC_030679.2	145217823	145217895	3	minus
##	3641	NC_030679.2	145218142	145218213	3	minus
##	3642	NC_030679.2	145218812	145218884	3	minus
##	3643	NC_030679.2	145219633	145219705	3	minus
##	3644	NC_030679.2	145219953	145220024	3	minus
##	3645	NC_030679.2	145220402	145220474	3	minus
##	3646	NC_030679.2	145220720	145220792	3	minus
##	3647	NC_030679.2	145221541	145221613	3	minus
##	3648	NC_030679.2	145222101	145222173	3	minus
##	3649	NC_030679.2	145222922	145222994	3	minus
##	3650	NC_030679.2	145223241	145223312	3	minus
##	3651	NC_030679.2	145224251	145224333	3	plus
##	3652	NC_030679.2	145225786	145225867	3	plus
##	3653	NC_030679.2	145227710	145227791	3	plus
##	3654	NC_030679.2	145229844	145229915	3	plus
##	3655	NC_030679.2	145232541	145232612	3	plus
##	3656	NC_030679.2	145233140	145233221	3	plus
##	3657	NC_030679.2	145235400	145235473	3	plus

## 3658	NC_030679.2	145236721	145236803	3	plus
## 3659	NC_030679.2	145237981	145238063	3	plus
## 3660	NC_030679.2	145238816	145238897	3	plus
## 3661	NC_030679.2	145241119	145241192	3	plus
## 3662	NC_030679.2	145241717	145241798	3	plus
## 3663	NC_030679.2	145243755	145243828	3	plus
## 3664	NC_030679.2	145248165	145248247	3	plus
## 3665	NC_030679.2	145249001	145249082	3	plus
## 3666	NC_030679.2	145250103	145250184	3	plus
## 3667	NC_030679.2	145251398	145251479	3	plus
## 3668	NC_030679.2	145252482	145252555	3	plus
## 3669	NC_030679.2	145252831	145252904	3	plus
## 3670	NC_030679.2	145253603	145253674	3	plus
## 3671	NC_030679.2	145254057	145254139	3	plus
## 3672	NC_030679.2	145254733	145254806	3	plus
## 3673	NC_030679.2	145255986	145256057	3	plus
## 3674	NC_030679.2	145256595	145256676	3	plus
## 3675	NC_030679.2	145257129	145257202	3	plus
## 3676	NC_030679.2	145260115	145260196	3	plus
## 3677	NC_030679.2	145274650	145274731	3	plus
## 3678	NC_030679.2	145276717	145276798	3	plus
## 3679	NC_030679.2	145285906	145292828	3	minus
## 3680	NC_030679.2	145403763	145403836	3	plus
## 3681	NC_030679.2	145404030	145404103	3	plus
## 3682	NC_030679.2	145404461	145404534	3	plus
## 3683	NC_030679.2	145405185	145405258	3	plus
## 3684	NC_030679.2	145479910	145479981	3	plus
## 3685	NC_030679.2	145480896	145480977	3	minus
## 3686	NC_030679.2	145481085	145481158	3	plus
## 3687	NC_030679.2	145482824	145482895	3	plus
## 3688	NC_030679.2	145483628	145483701	3	plus
## 3689	NC_030679.2	145484081	145484162	3	plus
## 3690	NC_030679.2	145491751	145491822	3	plus
## 3691	NC_030679.2	145649329	145649400	3	minus
## 3692	NC_030679.2	145652343	145652416	3	minus
## 3693	NC_030679.2	145652828	145652909	3	minus
## 3694	NC_030679.2	145655507	145655588	3	plus
## 3695	NC_030679.2	145656195	145656266	3	plus
## 3696	NC_030679.2	145656903	145656976	3	plus
## 3697	NC_030679.2	145657785	145657858	3	minus
## 3698	NC_030679.2	145658067	145658149	3	plus
## 3699	NC_030679.2	145660163	145660234	3	plus
## 3700	NC_030679.2	145660717	145660790	3	plus
## 3701	NC_030679.2	145661699	145661772	3	minus
## 3702	NC_030679.2	145662437	145662518	3	plus
## 3703	NC_030679.2	145663430	145663502	3	plus
## 3704	NC_030679.2	145663880	145663951	3	plus
## 3705	NC_030679.2	145664194	145664266	3	plus
## 3706	NC_030679.2	145665120	145665201	3	minus
## 3707	NC_030679.2	145667360	145667442	3	plus
## 3708	NC_030679.2	145667948	145668029	3	plus
## 3709	NC_030679.2	145668817	145668888	3	plus
## 3710	NC_030679.2	145669220	145669301	3	minus
## 3711	NC_030679.2	145669409	145669482	3	plus

## 3712	NC_030679.2	145670987	145671068	3	minus
## 3713	NC_030679.2	145671559	145671640	3	minus
## 3714	NC_030679.2	145672053	145672126	3	minus
## 3715	NC_030679.2	145672233	145672314	3	plus
## 3716	NC_030679.2	145674219	145674290	3	minus
## 3717	NC_030679.2	145674810	145674891	3	minus
## 3718	NC_030679.2	145675266	145675348	3	minus
## 3719	NC_030679.2	145675562	145675635	3	plus
## 3720	NC_030679.2	145677439	145677521	3	minus
## 3721	NC_030679.2	145677730	145677803	3	plus
## 3722	NC_030679.2	145679203	145679275	3	minus
## 3723	NC_030679.2	145679520	145679591	3	minus
## 3724	NC_030679.2	145679969	145680041	3	minus
## 3725	NC_030679.2	145682041	145682114	3	plus
## 3726	NC_030679.2	145683420	145683492	3	plus
## 3727	NC_030679.2	145685297	145685370	3	plus
## 3728	NC_030679.2	145686099	145686171	3	minus
## 3729	NC_030679.2	145686503	145686584	3	minus
## 3730	NC_030679.2	145687137	145687218	3	minus
## 3731	NC_030679.2	145688890	145688971	3	minus
## 3732	NC_030679.2	145689369	145689450	3	minus
## 3733	NC_030679.2	145689825	145689898	3	minus
## 3734	NC_030679.2	145690896	145690977	3	plus
## 3735	NC_030679.2	145691502	145691573	3	plus
## 3736	NC_030679.2	145691905	145691986	3	plus
## 3737	NC_030679.2	145692512	145692583	3	plus
## 3738	NC_030679.2	145693200	145693273	3	plus
## 3739	NC_030679.2	145696028	145696099	3	minus
## 3740	NC_030679.2	145696611	145696692	3	minus
## 3741	NC_030679.2	145697523	145697596	3	minus
## 3742	NC_030679.2	145698279	145698350	3	plus
## 3743	NC_030679.2	145699135	145699216	3	minus
## 3744	NC_030679.2	145699324	145699397	3	plus
## 3745	NC_030679.2	145699777	145699858	3	plus
## 3746	NC_030679.2	145700952	145701023	3	plus
## 3747	NC_030679.2	145701454	145701527	3	plus
## 3748	NC_030679.2	145723604	145729291	3	plus
## 3749	NC_030679.2	145936674	145943689	3	plus
## 3750	NC_030679.2	145948954	145959070	3	plus
## 3751	NC_030679.2	145996406	146007351	3	plus
## 3752	NC_030679.2	146065783	146076166	3	plus
## 3753	NC_030679.2	146137581	146142068	3	plus
## 3754	NC_030679.2	146195317	146206415	3	plus
## 3755	NC_030679.2	146235757	146242241	3	plus
## 3756	NC_030679.2	146248273	146248346	3	minus
## 3757	NC_030679.2	146249423	146249496	3	minus
## 3758	NC_030679.2	146249926	146249997	3	minus
## 3759	NC_030679.2	146251271	146251353	3	minus
## 3760	NC_030679.2	146252844	146252915	3	minus
## 3761	NC_030679.2	146254431	146254504	3	minus
## 3762	NC_030679.2	146256464	146256537	3	minus
## 3763	NC_030679.2	146258017	146258090	3	minus
## 3764	NC_030679.2	146261503	146261572	3	minus
## 3765	NC_030679.2	146262994	146263063	3	minus

## 3766	NC_030679.2	146263420	146263489	3	minus
## 3767	NC_030679.2	146365433	146365515	3	plus
## 3768	NC_030679.2	146366193	146366274	3	plus
## 3769	NC_030679.2	146369681	146369752	3	plus
## 3770	NC_030679.2	146370911	146370984	3	plus
## 3771	NC_030679.2	146371949	146372021	3	plus
## 3772	NC_030679.2	146372485	146372556	3	plus
## 3773	NC_030679.2	146372986	146373059	3	plus
## 3774	NC_030679.2	146374954	146375026	3	plus
## 3775	NC_030679.2	146376232	146376314	3	plus
## 3776	NC_030679.2	146377080	146377161	3	plus
## 3777	NC_030679.2	146377588	146377659	3	plus
## 3778	NC_030679.2	146378543	146378616	3	plus
## 3779	NC_030679.2	146379259	146379332	3	minus
## 3780	NC_030679.2	146381452	146381525	3	plus
## 3781	NC_030679.2	146386492	146386563	3	plus
## 3782	NC_030679.2	146386994	146387067	3	plus
## 3783	NC_030679.2	146387737	146387819	3	plus
## 3784	NC_030679.2	146388590	146388671	3	plus
## 3785	NC_030679.2	146389098	146389169	3	plus
## 3786	NC_030679.2	146427113	146428067	3	minus
## 3787	NC_030679.2	146436267	146437106	3	minus
## 3788	NC_030679.2	146617464	146618336	3	plus
## 3789	NC_030679.2	146622658	146627682	3	plus
## 3790	NC_030679.2	146629678	146638669	3	plus
## 3791	NC_030679.2	146781684	146785149	3	minus
## 3792	NC_030679.2	147345973	147369654	3	minus
## 3793	NC_030679.2	147491534	147504320	3	plus
## 3794	NC_030679.2	147491534	147504320	3	plus
## 3795	NC_030679.2	147543186	147550094	3	plus
## 3796	NC_030679.2	147796402	147796475	3	minus
## 3797	NC_030679.2	147821897	147821970	3	minus
## 3798	NC_030679.2	147823145	147823218	3	minus
## 3799	NC_030679.2	147824565	147824638	3	minus
## 3800	NC_030679.2	147824805	147824878	3	plus
## 3801	NC_030679.2	147824991	147825064	3	plus
## 3802	NC_030679.2	147825373	147825446	3	plus
## 3803	NC_030679.2	147830043	147830116	3	minus
## 3804	NC_030679.2	147830236	147830309	3	minus
## 3805	NC_030679.2	147831638	147831711	3	minus
## 3806	NC_030679.2	147831831	147831904	3	minus
## 3807	NC_030679.2	147832584	147832657	3	minus
## 3808	NC_030679.2	147832777	147832850	3	minus
## 3809	NC_030679.2	147832963	147833036	3	minus
## 3810	NC_030679.2	147833339	147833412	3	minus
## 3811	NC_030679.2	147833530	147833603	3	minus
## 3812	NC_030679.2	147833912	147833985	3	minus
## 3813	NC_030679.2	147834478	147834551	3	minus
## 3814	NC_030679.2	147834664	147834737	3	minus
## 3815	NC_030679.2	147834857	147834930	3	minus
## 3816	NC_030679.2	147835043	147835116	3	minus
## 3817	NC_030679.2	147835422	147835495	3	minus
## 3818	NC_030679.2	147837129	147837202	3	minus
## 3819	NC_030679.2	147837320	147837393	3	minus

##	3820	NC_030679.2	147837702	147837775	3	minus
##	3821	NC_030679.2	147838472	147838545	3	minus
##	3822	NC_030679.2	147838663	147838736	3	minus
##	3823	NC_030679.2	147838854	147838927	3	minus
##	3824	NC_030679.2	147839226	147839299	3	minus
##	3825	NC_030679.2	147839627	147839700	3	minus
##	3826	NC_030679.2	147840216	147840289	3	minus
##	3827	NC_030679.2	147840971	147841044	3	minus
##	3828	NC_030679.2	147842047	147842120	3	plus
##	3829	NC_030679.2	148391064	148397902	3	plus
##	3830	NC_030679.2	148391064	148397902	3	plus
##	3831	NC_030679.2	149017219	149017292	3	minus
##	3832	NC_030679.2	149029890	149029963	3	minus
##	3833	NC_030679.2	149034977	149035050	3	minus
##	3834	NC_030679.2	149035704	149035777	3	minus
##	3835	NC_030679.2	149035889	149035962	3	minus
##	3836	NC_030679.2	149036805	149036878	3	minus
##	3837	NC_030679.2	149037299	149037372	3	minus
##	3838	NC_030679.2	149038038	149038111	3	minus
##	3839	NC_030679.2	149039403	149039476	3	minus
##	3840	NC_030679.2	149040633	149040706	3	minus
##	3841	NC_030679.2	149044914	149044987	3	minus
##	3842	NC_030679.2	149046611	149046684	3	minus
##	3843	NC_030679.2	149051530	149051603	3	minus
##	3844	NC_030679.2	149051875	149051948	3	minus
##	3845	NC_030679.2	149081415	149082343	3	plus
##	3846	NC_030679.2	149208377	149208458	3	minus
##	3847	NC_030679.2	149210145	149210216	3	minus
##	3848	NC_030679.2	149211093	149211174	3	minus
##	3849	NC_030679.2	149320945	149321706	3	minus
##	3850	NC_030679.2	149392854	149398784	3	minus
##	3851	NC_030679.2	149481536	149481617	3	plus
##	3852	NC_030679.2	149482776	149482857	3	plus
##	3853	NC_030679.2	149484066	149484147	3	plus
##	3854	NC_030679.2	149484425	149484506	3	plus
##	3855	NC_030679.2	149485094	149485175	3	plus
##	3856	NC_030679.2	149485870	149485941	3	plus
##	3857	NC_030679.2	149754450	149754523	3	plus
##	3858	NC_030679.2	149755783	149755856	3	plus
##	3859	NC_030679.2	149756271	149756344	3	plus
##	3860	NC_030679.2	149756564	149756637	3	plus
##	3861	NC_030679.2	149758629	149758702	3	plus
##	3862	NC_030679.2	149779044	149779117	3	plus
##	3863	NC_030679.2	150313779	150315226	3	plus
##	3864	NC_030679.2	150688465	150689179	3	minus
##	3865	NC_030679.2	152494440	152495336	3	plus
##	3866	NC_030679.2	152588534	152588674	3	minus
##	3867	NC_030679.2	152775931	152777772	3	minus
##	3868	NC_030679.2	152807643	152808385	3	plus
##	3869	NC_030679.2	153508883	153512133	3	minus
##	3870	NC_030680.2	21550	21715	4	minus
##	3871	NC_030680.2	994340	1013721	4	minus
##	3872	NC_030680.2	1263104	1288751	4	minus
##	3873	NC_030680.2	1432957	1466414	4	minus

## 3874	NC_030680.2	1748985	1785472	4	minus
## 3875	NC_030680.2	1901709	1916265	4	minus
## 3876	NC_030680.2	1931913	2025936	4	plus
## 3877	NC_030680.2	1931913	2025936	4	plus
## 3878	NC_030680.2	1931913	2025936	4	plus
## 3879	NC_030680.2	1959823	1985983	4	plus
## 3880	NC_030680.2	1959823	1985983	4	plus
## 3881	NC_030680.2	2313472	2313562	4	minus
## 3882	NC_030680.2	2314029	2314119	4	minus
## 3883	NC_030680.2	2561846	2562767	4	plus
## 3884	NC_030680.2	2565181	2568052	4	minus
## 3885	NC_030680.2	4095012	4146255	4	minus
## 3886	NC_030680.2	4158007	4196781	4	minus
## 3887	NC_030680.2	5742784	5742959	4	minus
## 3888	NC_030680.2	5745118	5745283	4	minus
## 3889	NC_030680.2	5829801	5836060	4	plus
## 3890	NC_030680.2	6265427	6376436	4	plus
## 3891	NC_030680.2	6442091	6481647	4	plus
## 3892	NC_030680.2	6928107	6928286	4	plus
## 3893	NC_030680.2	6929267	6929446	4	plus
## 3894	NC_030680.2	9842728	9842817	4	plus
## 3895	NC_030680.2	9894080	9896895	4	plus
## 3896	NC_030680.2	10738467	10752453	4	plus
## 3897	NC_030680.2	11595098	11596272	4	plus
## 3898	NC_030680.2	11619815	11620170	4	minus
## 3899	NC_030680.2	11705379	11706190	4	minus
## 3900	NC_030680.2	11709065	11710844	4	minus
## 3901	NC_030680.2	11734128	11735505	4	plus
## 3902	NC_030680.2	11738407	11739263	4	plus
## 3903	NC_030680.2	11774828	11775594	4	plus
## 3904	NC_030680.2	11809924	11818292	4	minus
## 3905	NC_030680.2	11822688	11824627	4	plus
## 3906	NC_030680.2	11894590	11903011	4	minus
## 3907	NC_030680.2	11907800	11909471	4	plus
## 3908	NC_030680.2	11912336	11913189	4	plus
## 3909	NC_030680.2	11954525	11956058	4	plus
## 3910	NC_030680.2	11958883	11959739	4	plus
## 3911	NC_030680.2	11978164	11979870	4	plus
## 3912	NC_030680.2	11982772	11983613	4	plus
## 3913	NC_030680.2	12079016	12079872	4	plus
## 3914	NC_030680.2	12127284	12127619	4	plus
## 3915	NC_030680.2	12169548	12181064	4	minus
## 3916	NC_030680.2	12169746	12170743	4	plus
## 3917	NC_030680.2	12171671	12172527	4	plus
## 3918	NC_030680.2	12197171	12198779	4	plus
## 3919	NC_030680.2	12201666	12202451	4	plus
## 3920	NC_030680.2	12305951	12307489	4	plus
## 3921	NC_030680.2	12310350	12310685	4	plus
## 3922	NC_030680.2	12333976	12335449	4	plus
## 3923	NC_030680.2	12338311	12338646	4	plus
## 3924	NC_030680.2	12387628	12388472	4	plus
## 3925	NC_030680.2	12463990	12507619	4	minus
## 3926	NC_030680.2	12463990	12507619	4	minus
## 3927	NC_030680.2	12475319	12476930	4	plus

## 3928	NC_030680.2	12477230	12478805	4	plus
## 3929	NC_030680.2	12477230	12478805	4	plus
## 3930	NC_030680.2	12479792	12480648	4	plus
## 3931	NC_030680.2	12497955	12499567	4	plus
## 3932	NC_030680.2	12746117	12758741	4	plus
## 3933	NC_030680.2	12916645	12916753	4	plus
## 3934	NC_030680.2	12917857	12917964	4	plus
## 3935	NC_030680.2	14032659	14033501	4	minus
## 3936	NC_030680.2	14034090	14035665	4	plus
## 3937	NC_030680.2	14815384	14817235	4	plus
## 3938	NC_030680.2	15017958	15026371	4	plus
## 3939	NC_030680.2	15079706	15082189	4	minus
## 3940	NC_030680.2	15564170	15566342	4	plus
## 3941	NC_030680.2	15640926	15643239	4	plus
## 3942	NC_030680.2	15657299	15659881	4	plus
## 3943	NC_030680.2	16610287	16610443	4	plus
## 3944	NC_030680.2	17185053	17198409	4	plus
## 3945	NC_030680.2	17391623	17397821	4	minus
## 3946	NC_030680.2	17402229	17421113	4	plus
## 3947	NC_030680.2	17410555	17410837	4	minus
## 3948	NC_030680.2	17453377	17461235	4	minus
## 3949	NC_030680.2	17470694	17472731	4	minus
## 3950	NC_030680.2	17495343	17496701	4	plus
## 3951	NC_030680.2	17548550	17550422	4	minus
## 3952	NC_030680.2	17566502	17605381	4	minus
## 3953	NC_030680.2	17941714	17944719	4	minus
## 3954	NC_030680.2	17941714	17944719	4	minus
## 3955	NC_030680.2	17941714	17944719	4	minus
## 3956	NC_030680.2	17958078	17964348	4	plus
## 3957	NC_030680.2	17977939	17987616	4	minus
## 3958	NC_030680.2	17993605	17995872	4	minus
## 3959	NC_030680.2	17997111	17999638	4	minus
## 3960	NC_030680.2	18177356	18178314	4	minus
## 3961	NC_030680.2	18192707	18193957	4	minus
## 3962	NC_030680.2	18247466	18254295	4	plus
## 3963	NC_030680.2	18261490	18267661	4	minus
## 3964	NC_030680.2	18405859	18418298	4	plus
## 3965	NC_030680.2	18405859	18418298	4	plus
## 3966	NC_030680.2	19339424	19347097	4	plus
## 3967	NC_030680.2	19548118	19549063	4	plus
## 3968	NC_030680.2	19793653	19801307	4	minus
## 3969	NC_030680.2	20057144	20121592	4	minus
## 3970	NC_030680.2	20149510	20215239	4	minus
## 3971	NC_030680.2	20215302	20232530	4	plus
## 3972	NC_030680.2	21686020	21688818	4	plus
## 3973	NC_030680.2	21704580	21705182	4	minus
## 3974	NC_030680.2	21730373	21733027	4	plus
## 3975	NC_030680.2	22551422	22553409	4	minus
## 3976	NC_030680.2	22696536	22697220	4	plus
## 3977	NC_030680.2	22703222	22724781	4	minus
## 3978	NC_030680.2	22735484	22737179	4	plus
## 3979	NC_030680.2	22780484	22789658	4	minus
## 3980	NC_030680.2	22915994	22917296	4	plus
## 3981	NC_030680.2	23048061	23051049	4	minus

## 3982	NC_030680.2	23218574	23219087	4	plus
## 3983	NC_030680.2	23395208	23399205	4	plus
## 3984	NC_030680.2	23470673	23474610	4	plus
## 3985	NC_030680.2	23482113	23539798	4	minus
## 3986	NC_030680.2	23482113	23539798	4	minus
## 3987	NC_030680.2	23482113	23539798	4	minus
## 3988	NC_030680.2	23482113	23539798	4	minus
## 3989	NC_030680.2	23482113	23539798	4	minus
## 3990	NC_030680.2	23482113	23539798	4	minus
## 3991	NC_030680.2	23482113	23539798	4	minus
## 3992	NC_030680.2	23482113	23539798	4	minus
## 3993	NC_030680.2	23484509	23487538	4	plus
## 3994	NC_030680.2	23539813	23549672	4	plus
## 3995	NC_030680.2	23555897	23557382	4	minus
## 3996	NC_030680.2	23560481	23564567	4	minus
## 3997	NC_030680.2	23560481	23564567	4	minus
## 3998	NC_030680.2	23568859	23592801	4	minus
## 3999	NC_030680.2	23597616	23601534	4	plus
## 4000	NC_030680.2	23606952	23613806	4	minus
## 4001	NC_030680.2	23606952	23613806	4	minus
## 4002	NC_030680.2	23609335	23612367	4	plus
## 4003	NC_030680.2	23633380	23636163	4	minus
## 4004	NC_030680.2	23699296	23702528	4	minus
## 4005	NC_030680.2	23966381	23966452	4	minus
## 4006	NC_030680.2	24067951	24093669	4	plus
## 4007	NC_030680.2	24234065	24234137	4	minus
## 4008	NC_030680.2	24318778	24325170	4	plus
## 4009	NC_030680.2	24318778	24325170	4	plus
## 4010	NC_030680.2	24399887	24405419	4	minus
## 4011	NC_030680.2	24406359	24409235	4	minus
## 4012	NC_030680.2	24526221	24527429	4	plus
## 4013	NC_030680.2	24549355	24553870	4	minus
## 4014	NC_030680.2	24758694	24759094	4	plus
## 4015	NC_030680.2	24788518	24792846	4	plus
## 4016	NC_030680.2	25200947	25201103	4	minus
## 4017	NC_030680.2	25236882	25237426	4	plus
## 4018	NC_030680.2	26229678	26231888	4	minus
## 4019	NC_030680.2	26929338	26929660	4	plus
## 4020	NC_030680.2	26976194	26978646	4	minus
## 4021	NC_030680.2	27165833	27167120	4	minus
## 4022	NC_030680.2	27645576	27648095	4	minus
## 4023	NC_030680.2	28127349	28128831	4	minus
## 4024	NC_030680.2	29233204	29234868	4	minus
## 4025	NC_030680.2	29248750	29249872	4	minus
## 4026	NC_030680.2	30047825	30050383	4	minus
## 4027	NC_030680.2	30730764	30894645	4	plus
## 4028	NC_030680.2	30921829	30958540	4	plus
## 4029	NC_030680.2	31463019	31473686	4	plus
## 4030	NC_030680.2	31597416	31599492	4	plus
## 4031	NC_030680.2	32073886	32076295	4	plus
## 4032	NC_030680.2	32094076	32107779	4	minus
## 4033	NC_030680.2	32320496	32344842	4	minus
## 4034	NC_030680.2	32349051	32350220	4	plus
## 4035	NC_030680.2	32391102	32393854	4	minus

## 4036	NC_030680.2	32405539	32409427	4	plus
## 4037	NC_030680.2	32410955	32414679	4	minus
## 4038	NC_030680.2	32433367	32444445	4	plus
## 4039	NC_030680.2	32464080	32469018	4	plus
## 4040	NC_030680.2	32493706	32495426	4	minus
## 4041	NC_030680.2	32507516	32513744	4	plus
## 4042	NC_030680.2	32516469	32518657	4	minus
## 4043	NC_030680.2	32602589	32635170	4	plus
## 4044	NC_030680.2	32645495	32655804	4	plus
## 4045	NC_030680.2	32645495	32655804	4	plus
## 4046	NC_030680.2	32894461	32894546	4	plus
## 4047	NC_030680.2	32896042	32896128	4	plus
## 4048	NC_030680.2	33002239	33002311	4	plus
## 4049	NC_030680.2	33010763	33010835	4	plus
## 4050	NC_030680.2	33013168	33013240	4	plus
## 4051	NC_030680.2	33016197	33016269	4	plus
## 4052	NC_030680.2	33018254	33018326	4	plus
## 4053	NC_030680.2	33020311	33020383	4	plus
## 4054	NC_030680.2	33023244	33023316	4	plus
## 4055	NC_030680.2	33025362	33025434	4	plus
## 4056	NC_030680.2	33027139	33027211	4	plus
## 4057	NC_030680.2	33029304	33029376	4	plus
## 4058	NC_030680.2	33031147	33031219	4	plus
## 4059	NC_030680.2	33034121	33034193	4	plus
## 4060	NC_030680.2	33035279	33035351	4	plus
## 4061	NC_030680.2	33036888	33036960	4	plus
## 4062	NC_030680.2	33038035	33038107	4	plus
## 4063	NC_030680.2	33040924	33040996	4	plus
## 4064	NC_030680.2	33100437	33101933	4	plus
## 4065	NC_030680.2	33100437	33101933	4	plus
## 4066	NC_030680.2	33386575	33398686	4	plus
## 4067	NC_030680.2	33386575	33398686	4	plus
## 4068	NC_030680.2	33459296	33466426	4	plus
## 4069	NC_030680.2	33553404	33556275	4	plus
## 4070	NC_030680.2	33558162	33558234	4	plus
## 4071	NC_030680.2	33571624	33571696	4	plus
## 4072	NC_030680.2	33572654	33572726	4	plus
## 4073	NC_030680.2	33574415	33574487	4	plus
## 4074	NC_030680.2	33578484	33578556	4	plus
## 4075	NC_030680.2	33718170	33724348	4	minus
## 4076	NC_030680.2	33727747	33728354	4	plus
## 4077	NC_030680.2	33734448	33734618	4	plus
## 4078	NC_030680.2	33736924	33737228	4	plus
## 4079	NC_030680.2	33742737	33750377	4	minus
## 4080	NC_030680.2	33878669	33878741	4	plus
## 4081	NC_030680.2	33880157	33880229	4	minus
## 4082	NC_030680.2	33880781	33880853	4	minus
## 4083	NC_030680.2	33881202	33883253	4	minus
## 4084	NC_030680.2	33886302	33886374	4	minus
## 4085	NC_030680.2	33886929	33887001	4	minus
## 4086	NC_030680.2	33889852	33889924	4	minus
## 4087	NC_030680.2	33890610	33890682	4	minus
## 4088	NC_030680.2	33938119	33938190	4	minus
## 4089	NC_030680.2	33938410	33938482	4	plus

## 4090	NC_030680.2	33938901	33938973	4	minus
## 4091	NC_030680.2	33939182	33939263	4	plus
## 4092	NC_030680.2	33939575	33939648	4	minus
## 4093	NC_030680.2	33941201	33941272	4	plus
## 4094	NC_030680.2	33943161	33943232	4	plus
## 4095	NC_030680.2	33944632	33944705	4	minus
## 4096	NC_030680.2	33946682	33946753	4	plus
## 4097	NC_030680.2	33947283	33947355	4	minus
## 4098	NC_030680.2	33958107	33958178	4	minus
## 4099	NC_030680.2	33958352	33958423	4	plus
## 4100	NC_030680.2	33960867	33960938	4	plus
## 4101	NC_030680.2	33961832	33961903	4	minus
## 4102	NC_030680.2	33962503	33962574	4	minus
## 4103	NC_030680.2	33963695	33963766	4	minus
## 4104	NC_030680.2	33964760	33964831	4	minus
## 4105	NC_030680.2	33966196	33966267	4	plus
## 4106	NC_030680.2	33967678	33967750	4	minus
## 4107	NC_030680.2	33968261	33968332	4	minus
## 4108	NC_030680.2	33968532	33968605	4	minus
## 4109	NC_030680.2	34089646	34155765	4	minus
## 4110	NC_030680.2	34454085	34458379	4	minus
## 4111	NC_030680.2	34454532	34454622	4	minus
## 4112	NC_030680.2	34531178	34555795	4	plus
## 4113	NC_030680.2	34656260	34656402	4	plus
## 4114	NC_030680.2	34884043	34889950	4	minus
## 4115	NC_030680.2	34890581	34996888	4	minus
## 4116	NC_030680.2	34890581	34996888	4	minus
## 4117	NC_030680.2	34988421	34994318	4	minus
## 4118	NC_030680.2	35505287	35506547	4	plus
## 4119	NC_030680.2	36061842	36063609	4	minus
## 4120	NC_030680.2	36327133	36329816	4	minus
## 4121	NC_030680.2	36462403	36468220	4	plus
## 4122	NC_030680.2	36462812	36462880	4	plus
## 4123	NC_030680.2	36463027	36463097	4	plus
## 4124	NC_030680.2	36464090	36464161	4	plus
## 4125	NC_030680.2	36464302	36464381	4	plus
## 4126	NC_030680.2	36465139	36465264	4	plus
## 4127	NC_030680.2	36466200	36466268	4	plus
## 4128	NC_030680.2	36466421	36466485	4	plus
## 4129	NC_030680.2	36466980	36467052	4	plus
## 4130	NC_030680.2	36467687	36467754	4	plus
## 4131	NC_030680.2	36857411	36896821	4	minus
## 4132	NC_030680.2	36961664	36961728	4	minus
## 4133	NC_030680.2	36992457	36992593	4	plus
## 4134	NC_030680.2	37054717	37058522	4	minus
## 4135	NC_030680.2	37437778	37437849	4	minus
## 4136	NC_030680.2	37438141	37438212	4	minus
## 4137	NC_030680.2	37438651	37438722	4	minus
## 4138	NC_030680.2	37439530	37439603	4	plus
## 4139	NC_030680.2	37440096	37440167	4	minus
## 4140	NC_030680.2	37440459	37440530	4	minus
## 4141	NC_030680.2	37440969	37441040	4	minus
## 4142	NC_030680.2	37441848	37441921	4	plus
## 4143	NC_030680.2	37442414	37442485	4	minus

## 4144	NC_030680.2	37442777	37442848	4	minus
## 4145	NC_030680.2	37443287	37443358	4	minus
## 4146	NC_030680.2	37444166	37444239	4	plus
## 4147	NC_030680.2	37444732	37444803	4	minus
## 4148	NC_030680.2	37445095	37445166	4	minus
## 4149	NC_030680.2	37445605	37445676	4	minus
## 4150	NC_030680.2	37447034	37447105	4	minus
## 4151	NC_030680.2	37447397	37447468	4	minus
## 4152	NC_030680.2	37447907	37447978	4	minus
## 4153	NC_030680.2	37448786	37448859	4	plus
## 4154	NC_030680.2	37449352	37449423	4	minus
## 4155	NC_030680.2	37449715	37449786	4	minus
## 4156	NC_030680.2	37450225	37450296	4	minus
## 4157	NC_030680.2	37451104	37451177	4	plus
## 4158	NC_030680.2	37451670	37451741	4	minus
## 4159	NC_030680.2	37452033	37452104	4	minus
## 4160	NC_030680.2	37452543	37452614	4	minus
## 4161	NC_030680.2	37453422	37453495	4	plus
## 4162	NC_030680.2	37453988	37454059	4	minus
## 4163	NC_030680.2	37454351	37454422	4	minus
## 4164	NC_030680.2	37454861	37454932	4	minus
## 4165	NC_030680.2	37455740	37455813	4	plus
## 4166	NC_030680.2	37456306	37456377	4	minus
## 4167	NC_030680.2	37456669	37456740	4	minus
## 4168	NC_030680.2	37457179	37457250	4	minus
## 4169	NC_030680.2	37458058	37458131	4	plus
## 4170	NC_030680.2	37458624	37458695	4	minus
## 4171	NC_030680.2	37458987	37459058	4	minus
## 4172	NC_030680.2	37459497	37459568	4	minus
## 4173	NC_030680.2	37460376	37460449	4	plus
## 4174	NC_030680.2	37460942	37461013	4	minus
## 4175	NC_030680.2	37461305	37461376	4	minus
## 4176	NC_030680.2	37461815	37461886	4	minus
## 4177	NC_030680.2	37462693	37462766	4	plus
## 4178	NC_030680.2	37463259	37463330	4	minus
## 4179	NC_030680.2	37463622	37463693	4	minus
## 4180	NC_030680.2	37464132	37464203	4	minus
## 4181	NC_030680.2	37465011	37465084	4	plus
## 4182	NC_030680.2	37465579	37465651	4	minus
## 4183	NC_030680.2	37465944	37466016	4	minus
## 4184	NC_030680.2	37466465	37466536	4	minus
## 4185	NC_030680.2	37467344	37467417	4	plus
## 4186	NC_030680.2	37467912	37467983	4	minus
## 4187	NC_030680.2	37468275	37468346	4	minus
## 4188	NC_030680.2	37468789	37468860	4	minus
## 4189	NC_030680.2	37469671	37469744	4	plus
## 4190	NC_030680.2	37471114	37471185	4	minus
## 4191	NC_030680.2	37472561	37472632	4	minus
## 4192	NC_030680.2	37472917	37472988	4	minus
## 4193	NC_030680.2	37473423	37473494	4	minus
## 4194	NC_030680.2	37499462	37499533	4	plus
## 4195	NC_030680.2	37499972	37500044	4	plus
## 4196	NC_030680.2	37500333	37500404	4	plus
## 4197	NC_030680.2	37500896	37500969	4	minus

## 4198	NC_030680.2	37501778	37501849	4	plus
## 4199	NC_030680.2	37502290	37502361	4	plus
## 4200	NC_030680.2	37502649	37502720	4	plus
## 4201	NC_030680.2	37504906	37504978	4	minus
## 4202	NC_030680.2	37505272	37505344	4	minus
## 4203	NC_030680.2	37505786	37505857	4	minus
## 4204	NC_030680.2	37506668	37506741	4	plus
## 4205	NC_030680.2	37507235	37507306	4	minus
## 4206	NC_030680.2	37507598	37507669	4	minus
## 4207	NC_030680.2	37508108	37508179	4	minus
## 4208	NC_030680.2	37508987	37509060	4	plus
## 4209	NC_030680.2	37509553	37509624	4	minus
## 4210	NC_030680.2	37509915	37509986	4	minus
## 4211	NC_030680.2	37510426	37510497	4	minus
## 4212	NC_030680.2	37511304	37511377	4	plus
## 4213	NC_030680.2	37511870	37511941	4	minus
## 4214	NC_030680.2	37512785	37512856	4	minus
## 4215	NC_030680.2	37513295	37513366	4	minus
## 4216	NC_030680.2	37514174	37514247	4	plus
## 4217	NC_030680.2	37514740	37514811	4	minus
## 4218	NC_030680.2	37515103	37515174	4	minus
## 4219	NC_030680.2	37515613	37515684	4	minus
## 4220	NC_030680.2	37516492	37516565	4	plus
## 4221	NC_030680.2	37517058	37517129	4	minus
## 4222	NC_030680.2	37517421	37517492	4	minus
## 4223	NC_030680.2	37517931	37518002	4	minus
## 4224	NC_030680.2	37518810	37518883	4	plus
## 4225	NC_030680.2	37519376	37519447	4	minus
## 4226	NC_030680.2	37519739	37519810	4	minus
## 4227	NC_030680.2	37520249	37520320	4	minus
## 4228	NC_030680.2	37521128	37521201	4	plus
## 4229	NC_030680.2	37521694	37521765	4	minus
## 4230	NC_030680.2	37522057	37522128	4	minus
## 4231	NC_030680.2	37522567	37522638	4	minus
## 4232	NC_030680.2	37523446	37523519	4	plus
## 4233	NC_030680.2	37524012	37524083	4	minus
## 4234	NC_030680.2	37524375	37524446	4	minus
## 4235	NC_030680.2	37524885	37524956	4	minus
## 4236	NC_030680.2	37525597	37525670	4	plus
## 4237	NC_030680.2	37587426	37587498	4	plus
## 4238	NC_030680.2	37689969	37690040	4	plus
## 4239	NC_030680.2	37693135	37693206	4	plus
## 4240	NC_030680.2	37694328	37694399	4	plus
## 4241	NC_030680.2	37932972	37933054	4	minus
## 4242	NC_030680.2	37934278	37934387	4	plus
## 4243	NC_030680.2	37936596	37936678	4	minus
## 4244	NC_030680.2	37938729	37938800	4	minus
## 4245	NC_030680.2	37939272	37939383	4	plus
## 4246	NC_030680.2	37940659	37940771	4	plus
## 4247	NC_030680.2	37943074	37943183	4	plus
## 4248	NC_030680.2	37944844	37944956	4	plus
## 4249	NC_030680.2	37945746	37945855	4	plus
## 4250	NC_030680.2	37946303	37946374	4	plus
## 4251	NC_030680.2	37949237	37949308	4	minus

## 4252	NC_030680.2	37950315	37950386	4	plus
## 4253	NC_030680.2	38026126	38033785	4	minus
## 4254	NC_030680.2	38281750	38296168	4	minus
## 4255	NC_030680.2	38456995	38457068	4	minus
## 4256	NC_030680.2	38521496	38534432	4	minus
## 4257	NC_030680.2	38583579	38683182	4	plus
## 4258	NC_030680.2	38583579	38683182	4	plus
## 4259	NC_030680.2	38908992	38909063	4	minus
## 4260	NC_030680.2	39051567	39051639	4	minus
## 4261	NC_030680.2	39295053	39350236	4	minus
## 4262	NC_030680.2	39510735	39526522	4	plus
## 4263	NC_030680.2	39510735	39526522	4	plus
## 4264	NC_030680.2	39526352	39574923	4	minus
## 4265	NC_030680.2	39526352	39574923	4	minus
## 4266	NC_030680.2	40245503	40252085	4	minus
## 4267	NC_030680.2	41118079	41118501	4	minus
## 4268	NC_030680.2	41441781	41446798	4	minus
## 4269	NC_030680.2	41441781	41446798	4	minus
## 4270	NC_030680.2	41994354	42011899	4	plus
## 4271	NC_030680.2	42270000	42282063	4	minus
## 4272	NC_030680.2	42740245	42744533	4	minus
## 4273	NC_030680.2	43145073	43211925	4	minus
## 4274	NC_030680.2	43258180	43259339	4	plus
## 4275	NC_030680.2	43357577	43385432	4	plus
## 4276	NC_030680.2	43357577	43385432	4	plus
## 4277	NC_030680.2	43662178	43686154	4	minus
## 4278	NC_030680.2	44280684	44513029	4	plus
## 4279	NC_030680.2	44610337	44612054	4	minus
## 4280	NC_030680.2	44638378	44640052	4	plus
## 4281	NC_030680.2	44838292	44844325	4	minus
## 4282	NC_030680.2	44838292	44844325	4	minus
## 4283	NC_030680.2	45783004	45783161	4	minus
## 4284	NC_030680.2	45787250	45795504	4	minus
## 4285	NC_030680.2	45853913	45855964	4	minus
## 4286	NC_030680.2	45965615	45966602	4	minus
## 4287	NC_030680.2	46014420	46047504	4	minus
## 4288	NC_030680.2	46014420	46047504	4	minus
## 4289	NC_030680.2	46068613	46070009	4	minus
## 4290	NC_030680.2	46072089	46075207	4	minus
## 4291	NC_030680.2	46291144	46326377	4	plus
## 4292	NC_030680.2	46339578	46341816	4	plus
## 4293	NC_030680.2	46339578	46341816	4	plus
## 4294	NC_030680.2	46349391	46359789	4	plus
## 4295	NC_030680.2	46349391	46359789	4	plus
## 4296	NC_030680.2	46457263	46463161	4	plus
## 4297	NC_030680.2	46491902	46492556	4	plus
## 4298	NC_030680.2	46563021	46564076	4	minus
## 4299	NC_030680.2	46643851	46645379	4	plus
## 4300	NC_030680.2	46697239	46704422	4	plus
## 4301	NC_030680.2	46753636	46755016	4	plus
## 4302	NC_030680.2	47472562	47477673	4	plus
## 4303	NC_030680.2	47799317	47801056	4	plus
## 4304	NC_030680.2	47959271	47959378	4	plus
## 4305	NC_030680.2	50807473	50817561	4	minus

## 4306	NC_030680.2	50884605	50886264	4	minus
## 4307	NC_030680.2	51737487	51742177	4	minus
## 4308	NC_030680.2	51780272	51782143	4	minus
## 4309	NC_030680.2	51801994	51803864	4	minus
## 4310	NC_030680.2	51818889	51820714	4	minus
## 4311	NC_030680.2	52271866	52272989	4	plus
## 4312	NC_030680.2	52279199	52286388	4	plus
## 4313	NC_030680.2	52279199	52286388	4	plus
## 4314	NC_030680.2	52295658	52299036	4	plus
## 4315	NC_030680.2	52306653	52311787	4	plus
## 4316	NC_030680.2	52911051	52911905	4	plus
## 4317	NC_030680.2	53651557	53657741	4	minus
## 4318	NC_030680.2	54618792	54622988	4	plus
## 4319	NC_030680.2	54897834	54900546	4	plus
## 4320	NC_030680.2	57356624	57357772	4	minus
## 4321	NC_030680.2	57358393	57360037	4	minus
## 4322	NC_030680.2	58136747	58140744	4	plus
## 4323	NC_030680.2	58136747	58140744	4	plus
## 4324	NC_030680.2	58136747	58140744	4	plus
## 4325	NC_030680.2	58136747	58140744	4	plus
## 4326	NC_030680.2	58218057	58219726	4	plus
## 4327	NC_030680.2	58313841	58317251	4	minus
## 4328	NC_030680.2	58506819	58549843	4	plus
## 4329	NC_030680.2	58506819	58549843	4	plus
## 4330	NC_030680.2	58630619	58640008	4	plus
## 4331	NC_030680.2	58832230	58832313	4	plus
## 4332	NC_030680.2	58833333	58833410	4	plus
## 4333	NC_030680.2	58833899	58833982	4	plus
## 4334	NC_030680.2	59354951	59355029	4	plus
## 4335	NC_030680.2	59467735	59512144	4	plus
## 4336	NC_030680.2	59521084	59550621	4	plus
## 4337	NC_030680.2	59604522	59606315	4	plus
## 4338	NC_030680.2	59852196	59861533	4	minus
## 4339	NC_030680.2	59907372	59912040	4	minus
## 4340	NC_030680.2	60310249	60351676	4	plus
## 4341	NC_030680.2	60377376	60391190	4	plus
## 4342	NC_030680.2	60652455	60699235	4	minus
## 4343	NC_030680.2	60652455	60699235	4	minus
## 4344	NC_030680.2	60878909	60879002	4	minus
## 4345	NC_030680.2	61122903	61123291	4	minus
## 4346	NC_030680.2	61126177	61126503	4	plus
## 4347	NC_030680.2	61129164	61131093	4	minus
## 4348	NC_030680.2	61174425	61191768	4	plus
## 4349	NC_030680.2	62658307	62658839	4	minus
## 4350	NC_030680.2	64017962	64039687	4	minus
## 4351	NC_030680.2	64017962	64039687	4	minus
## 4352	NC_030680.2	64017962	64039687	4	minus
## 4353	NC_030680.2	64808354	64823875	4	plus
## 4354	NC_030680.2	65016752	65016855	4	plus
## 4355	NC_030680.2	65165905	65169602	4	plus
## 4356	NC_030680.2	65424776	65424848	4	minus
## 4357	NC_030680.2	65453219	65498252	4	minus
## 4358	NC_030680.2	68580609	68580750	4	plus
## 4359	NC_030680.2	68587498	68591385	4	plus

## 4360	NC_030680.2	69039631	69039704	4	plus
## 4361	NC_030680.2	71363707	71370338	4	plus
## 4362	NC_030680.2	72480643	72495475	4	minus
## 4363	NC_030680.2	72945954	72946542	4	plus
## 4364	NC_030680.2	74134672	74137471	4	plus
## 4365	NC_030680.2	74267214	74273795	4	minus
## 4366	NC_030680.2	74328053	74331831	4	plus
## 4367	NC_030680.2	75284474	75320771	4	plus
## 4368	NC_030680.2	75292011	75292081	4	minus
## 4369	NC_030680.2	75292243	75292313	4	plus
## 4370	NC_030680.2	75296976	75297046	4	minus
## 4371	NC_030680.2	75297193	75297263	4	plus
## 4372	NC_030680.2	75305097	75305167	4	minus
## 4373	NC_030680.2	75305303	75305373	4	plus
## 4374	NC_030680.2	75307813	75307883	4	minus
## 4375	NC_030680.2	75730105	75736686	4	plus
## 4376	NC_030680.2	76324921	76338258	4	minus
## 4377	NC_030680.2	76338287	76347412	4	plus
## 4378	NC_030680.2	76767179	76935633	4	plus
## 4379	NC_030680.2	77596935	77597254	4	plus
## 4380	NC_030680.2	79569422	79599167	4	minus
## 4381	NC_030680.2	79668193	79674247	4	plus
## 4382	NC_030680.2	81161001	81175757	4	plus
## 4383	NC_030680.2	81235863	81235935	4	plus
## 4384	NC_030680.2	81236618	81236690	4	plus
## 4385	NC_030680.2	81986393	81986851	4	minus
## 4386	NC_030680.2	83806788	83814190	4	minus
## 4387	NC_030680.2	84472256	84477116	4	plus
## 4388	NC_030680.2	84472256	84477116	4	plus
## 4389	NC_030680.2	84476474	84476556	4	plus
## 4390	NC_030680.2	84728315	84753571	4	plus
## 4391	NC_030680.2	85768735	85784089	4	plus
## 4392	NC_030680.2	86368154	86369369	4	plus
## 4393	NC_030680.2	86694512	86739741	4	minus
## 4394	NC_030680.2	87913986	87992100	4	minus
## 4395	NC_030680.2	87913986	87992100	4	minus
## 4396	NC_030680.2	88312742	88346181	4	minus
## 4397	NC_030680.2	88924688	88928439	4	minus
## 4398	NC_030680.2	90015673	90015754	4	minus
## 4399	NC_030680.2	90015961	90016043	4	minus
## 4400	NC_030680.2	90261650	90269293	4	minus
## 4401	NC_030680.2	90936165	90939223	4	minus
## 4402	NC_030680.2	90985896	90986027	4	minus
## 4403	NC_030680.2	90986181	90992728	4	minus
## 4404	NC_030680.2	90986349	90986416	4	minus
## 4405	NC_030680.2	90989059	90989133	4	minus
## 4406	NC_030680.2	90989341	90989411	4	minus
## 4407	NC_030680.2	90989612	90989682	4	minus
## 4408	NC_030680.2	90989878	90989948	4	minus
## 4409	NC_030680.2	90990367	90990443	4	minus
## 4410	NC_030680.2	90991345	90991481	4	minus
## 4411	NC_030680.2	90992550	90992620	4	minus
## 4412	NC_030680.2	90998682	90998785	4	minus
## 4413	NC_030680.2	91101684	91101796	4	minus

## 4414	NC_030680.2	91102253	91102367	4	minus
## 4415	NC_030680.2	91103158	91103272	4	minus
## 4416	NC_030680.2	91103724	91103839	4	minus
## 4417	NC_030680.2	91104295	91104408	4	minus
## 4418	NC_030680.2	91104867	91104981	4	minus
## 4419	NC_030680.2	91105439	91105554	4	minus
## 4420	NC_030680.2	91106013	91106127	4	minus
## 4421	NC_030680.2	91106586	91106699	4	minus
## 4422	NC_030680.2	91107156	91107270	4	minus
## 4423	NC_030680.2	91107728	91107842	4	minus
## 4424	NC_030680.2	91108299	91108413	4	minus
## 4425	NC_030680.2	91108872	91108986	4	minus
## 4426	NC_030680.2	91109445	91109559	4	minus
## 4427	NC_030680.2	91110018	91110132	4	minus
## 4428	NC_030680.2	91110590	91110704	4	minus
## 4429	NC_030680.2	91111162	91111277	4	minus
## 4430	NC_030680.2	91111735	91111849	4	minus
## 4431	NC_030680.2	91112307	91112421	4	minus
## 4432	NC_030680.2	91112879	91112993	4	minus
## 4433	NC_030680.2	91113453	91113567	4	minus
## 4434	NC_030680.2	91114025	91114139	4	minus
## 4435	NC_030680.2	91114597	91114711	4	minus
## 4436	NC_030680.2	91115169	91115283	4	minus
## 4437	NC_030680.2	91115741	91115855	4	minus
## 4438	NC_030680.2	91116313	91116427	4	minus
## 4439	NC_030680.2	91116885	91116999	4	minus
## 4440	NC_030680.2	91117457	91117571	4	minus
## 4441	NC_030680.2	91118029	91118143	4	minus
## 4442	NC_030680.2	91118601	91118715	4	minus
## 4443	NC_030680.2	91119173	91119287	4	minus
## 4444	NC_030680.2	91119745	91119859	4	minus
## 4445	NC_030680.2	91120317	91120431	4	minus
## 4446	NC_030680.2	91120889	91121003	4	minus
## 4447	NC_030680.2	91121461	91121575	4	minus
## 4448	NC_030680.2	91122033	91122147	4	minus
## 4449	NC_030680.2	91122605	91122719	4	minus
## 4450	NC_030680.2	91123177	91123291	4	minus
## 4451	NC_030680.2	91123749	91123863	4	minus
## 4452	NC_030680.2	91124321	91124435	4	minus
## 4453	NC_030680.2	91124893	91125007	4	minus
## 4454	NC_030680.2	91125465	91125579	4	minus
## 4455	NC_030680.2	91126037	91126151	4	minus
## 4456	NC_030680.2	91126609	91126723	4	minus
## 4457	NC_030680.2	91127181	91127295	4	minus
## 4458	NC_030680.2	91127753	91127867	4	minus
## 4459	NC_030680.2	91128325	91128439	4	minus
## 4460	NC_030680.2	91128897	91129011	4	minus
## 4461	NC_030680.2	91129469	91129583	4	minus
## 4462	NC_030680.2	91130041	91130155	4	minus
## 4463	NC_030680.2	91130613	91130727	4	minus
## 4464	NC_030680.2	91131185	91131299	4	minus
## 4465	NC_030680.2	91131757	91131871	4	minus
## 4466	NC_030680.2	91132329	91132443	4	minus
## 4467	NC_030680.2	91132901	91133015	4	minus

## 4468	NC_030680.2	91133473	91133587	4	minus
## 4469	NC_030680.2	91134045	91134159	4	minus
## 4470	NC_030680.2	91134616	91134730	4	minus
## 4471	NC_030680.2	91135188	91135302	4	minus
## 4472	NC_030680.2	91135760	91135874	4	minus
## 4473	NC_030680.2	91136332	91136446	4	minus
## 4474	NC_030680.2	91136904	91137018	4	minus
## 4475	NC_030680.2	91137476	91137590	4	minus
## 4476	NC_030680.2	91138048	91138162	4	minus
## 4477	NC_030680.2	91138620	91138734	4	minus
## 4478	NC_030680.2	91139192	91139306	4	minus
## 4479	NC_030680.2	91139764	91139878	4	minus
## 4480	NC_030680.2	91145266	91145378	4	minus
## 4481	NC_030680.2	91145835	91145949	4	minus
## 4482	NC_030680.2	91146407	91146521	4	minus
## 4483	NC_030680.2	91146979	91147093	4	minus
## 4484	NC_030680.2	91246761	91246918	4	minus
## 4485	NC_030680.2	91885222	91899301	4	plus
## 4486	NC_030680.2	91915772	91916369	4	minus
## 4487	NC_030680.2	91921174	91923554	4	plus
## 4488	NC_030680.2	92806903	92812170	4	plus
## 4489	NC_030680.2	93122122	93124662	4	minus
## 4490	NC_030680.2	95871774	95875737	4	plus
## 4491	NC_030680.2	95902099	95902317	4	plus
## 4492	NC_030680.2	96107657	96146304	4	minus
## 4493	NC_030680.2	96622201	96649902	4	minus
## 4494	NC_030680.2	98095990	98104037	4	plus
## 4495	NC_030680.2	98095990	98104037	4	plus
## 4496	NC_030680.2	98096456	98096536	4	plus
## 4497	NC_030680.2	98098081	98098159	4	plus
## 4498	NC_030680.2	98098474	98098550	4	plus
## 4499	NC_030680.2	98099750	98099813	4	plus
## 4500	NC_030680.2	98100603	98100673	4	plus
## 4501	NC_030680.2	98101035	98101098	4	plus
## 4502	NC_030680.2	98101523	98101597	4	plus
## 4503	NC_030680.2	98101806	98101881	4	plus
## 4504	NC_030680.2	98103325	98103407	4	plus
## 4505	NC_030680.2	98247293	98286394	4	minus
## 4506	NC_030680.2	99655196	99663650	4	minus
## 4507	NC_030680.2	100311600	100348220	4	minus
## 4508	NC_030680.2	100311600	100348220	4	minus
## 4509	NC_030680.2	100869494	100895117	4	plus
## 4510	NC_030680.2	100869494	100895117	4	plus
## 4511	NC_030680.2	101276559	101278067	4	plus
## 4512	NC_030680.2	101287451	101288490	4	minus
## 4513	NC_030680.2	101328466	101348976	4	minus
## 4514	NC_030680.2	101557235	101559413	4	minus
## 4515	NC_030680.2	102183199	102273991	4	plus
## 4516	NC_030680.2	102183199	102273991	4	plus
## 4517	NC_030680.2	102755434	102757722	4	plus
## 4518	NC_030680.2	102863773	102867769	4	minus
## 4519	NC_030680.2	102864617	102864717	4	minus
## 4520	NC_030680.2	103837448	103837532	4	minus
## 4521	NC_030680.2	103913226	103941348	4	minus

## 4522	NC_030680.2	104116011	104130915	4	plus
## 4523	NC_030680.2	104513374	104514743	4	plus
## 4524	NC_030680.2	104708924	104721084	4	minus
## 4525	NC_030680.2	104728370	104739603	4	minus
## 4526	NC_030680.2	105467441	105474611	4	plus
## 4527	NC_030680.2	105680138	105682220	4	minus
## 4528	NC_030680.2	106610020	106646170	4	minus
## 4529	NC_030680.2	107022814	107025278	4	plus
## 4530	NC_030680.2	107415555	107415650	4	plus
## 4531	NC_030680.2	107420698	107420804	4	plus
## 4532	NC_030680.2	109180385	109184810	4	plus
## 4533	NC_030680.2	109694987	109710060	4	plus
## 4534	NC_030680.2	109912379	109912450	4	plus
## 4535	NC_030680.2	110491846	110493089	4	minus
## 4536	NC_030680.2	111319605	111335927	4	minus
## 4537	NC_030680.2	111405871	111405953	4	minus
## 4538	NC_030680.2	111406323	111406412	4	minus
## 4539	NC_030680.2	112875568	112875725	4	minus
## 4540	NC_030680.2	113727605	113728332	4	minus
## 4541	NC_030680.2	114105111	114172074	4	plus
## 4542	NC_030680.2	114203528	114213193	4	plus
## 4543	NC_030680.2	114203528	114213193	4	plus
## 4544	NC_030680.2	114826613	114875960	4	plus
## 4545	NC_030680.2	114826613	114875960	4	plus
## 4546	NC_030680.2	114826613	114875960	4	plus
## 4547	NC_030680.2	115005406	115016978	4	plus
## 4548	NC_030680.2	115112659	115112808	4	plus
## 4549	NC_030680.2	115119333	115119481	4	plus
## 4550	NC_030680.2	115121468	115121616	4	plus
## 4551	NC_030680.2	115123051	115123199	4	plus
## 4552	NC_030680.2	115125512	115125659	4	plus
## 4553	NC_030680.2	115127240	115127388	4	plus
## 4554	NC_030680.2	115129564	115129712	4	plus
## 4555	NC_030680.2	115131291	115131439	4	plus
## 4556	NC_030680.2	115229584	115230624	4	plus
## 4557	NC_030680.2	115360160	115360312	4	minus
## 4558	NC_030680.2	115361503	115361657	4	minus
## 4559	NC_030680.2	115363354	115363506	4	minus
## 4560	NC_030680.2	115575052	115580336	4	minus
## 4561	NC_030680.2	115987653	116017819	4	minus
## 4562	NC_030680.2	116018656	116021302	4	plus
## 4563	NC_030680.2	116592400	116595046	4	plus
## 4564	NC_030680.2	116704487	116710219	4	minus
## 4565	NC_030680.2	116942594	116954916	4	minus
## 4566	NC_030680.2	119138587	119149722	4	plus
## 4567	NC_030680.2	119177925	119202894	4	plus
## 4568	NC_030680.2	119241567	119242299	4	plus
## 4569	NC_030680.2	120158470	120158538	4	plus
## 4570	NC_030680.2	120832773	120832865	4	minus
## 4571	NC_030680.2	121888906	121892594	4	plus
## 4572	NC_030680.2	121892601	121893631	4	plus
## 4573	NC_030680.2	122177715	122203986	4	plus
## 4574	NC_030680.2	122394036	122475122	4	plus
## 4575	NC_030680.2	122661725	122662713	4	minus

## 4576	NC_030680.2	124208984	124211397	4	minus
## 4577	NC_030680.2	124208984	124211397	4	minus
## 4578	NC_030680.2	124215256	124215388	4	plus
## 4579	NC_030680.2	124709604	124711176	4	minus
## 4580	NC_030680.2	124720945	124724122	4	minus
## 4581	NC_030680.2	124813519	124818349	4	minus
## 4582	NC_030680.2	125005346	125008459	4	minus
## 4583	NC_030680.2	125026307	125029794	4	minus
## 4584	NC_030680.2	125366204	125367228	4	minus
## 4585	NC_030680.2	125871311	125882286	4	plus
## 4586	NC_030680.2	126064392	126157786	4	minus
## 4587	NC_030680.2	126086481	126086946	4	plus
## 4588	NC_030680.2	126093529	126101161	4	minus
## 4589	NC_030680.2	127116695	127130992	4	plus
## 4590	NC_030680.2	128080610	128083055	4	minus
## 4591	NC_030680.2	128233090	128233173	4	plus
## 4592	NC_030680.2	128516344	128520041	4	plus
## 4593	NC_030680.2	128522784	128527919	4	plus
## 4594	NC_030680.2	128529386	128530360	4	minus
## 4595	NC_030680.2	128565673	128565745	4	minus
## 4596	NC_030680.2	128570515	128570587	4	minus
## 4597	NC_030680.2	128571998	128572070	4	minus
## 4598	NC_030680.2	128572727	128572798	4	minus
## 4599	NC_030680.2	128575907	128575979	4	minus
## 4600	NC_030680.2	128576521	128576593	4	minus
## 4601	NC_030680.2	129153237	129220067	4	plus
## 4602	NC_030680.2	130863198	130867750	4	minus
## 4603	NC_030680.2	130890632	130890825	4	minus
## 4604	NC_030680.2	130907777	130920686	4	minus
## 4605	NC_030680.2	131161556	131176473	4	minus
## 4606	NC_030680.2	131853172	131863658	4	minus
## 4607	NC_030680.2	132208899	132210261	4	minus
## 4608	NC_030680.2	132320599	132326032	4	plus
## 4609	NC_030680.2	132683363	132691516	4	minus
## 4610	NC_030680.2	132807342	132810899	4	minus
## 4611	NC_030680.2	133178994	133232721	4	minus
## 4612	NC_030680.2	133391402	133392302	4	minus
## 4613	NC_030680.2	134939655	134939771	4	minus
## 4614	NC_030680.2	135418667	135421666	4	plus
## 4615	NC_030680.2	135763692	135763763	4	minus
## 4616	NC_030680.2	136187574	136187647	4	minus
## 4617	NC_030680.2	136187844	136187916	4	plus
## 4618	NC_030680.2	136655340	136658193	4	plus
## 4619	NC_030680.2	136713847	136713923	4	minus
## 4620	NC_030680.2	136717053	136717138	4	minus
## 4621	NC_030680.2	136929401	136938140	4	plus
## 4622	NC_030680.2	136929401	136938140	4	plus
## 4623	NC_030680.2	137318861	137319016	4	minus
## 4624	NC_030680.2	138574082	138583774	4	minus
## 4625	NC_030680.2	138971393	139048909	4	plus
## 4626	NC_030680.2	139319114	139324340	4	plus
## 4627	NC_030680.2	139500210	139500826	4	minus
## 4628	NC_030680.2	139501625	139502068	4	minus
## 4629	NC_030680.2	139914401	139953210	4	minus

## 4630	NC_030680.2	141653313	141660262	4	plus
## 4631	NC_030680.2	142771084	142817441	4	minus
## 4632	NC_030680.2	144441189	144603179	4	plus
## 4633	NC_030680.2	144441189	144603179	4	plus
## 4634	NC_030680.2	146235581	146238535	4	plus
## 4635	NC_030680.2	147759713	147772747	4	minus
## 4636	NC_030680.2	147974193	147975215	4	plus
## 4637	NC_030680.2	147990334	147995239	4	plus
## 4638	NC_030680.2	148317032	148326733	4	minus
## 4639	NC_030680.2	148422042	148427670	4	plus
## 4640	NC_030680.2	148422042	148427670	4	plus
## 4641	NC_030680.2	150133835	150151129	4	plus
## 4642	NC_030680.2	150368254	150375094	4	plus
## 4643	NC_030680.2	151043906	151044541	4	minus
## 4644	NC_030680.2	151481831	151483445	4	plus
## 4645	NC_030680.2	152411172	152411261	4	plus
## 4646	NC_030680.2	153001147	153001312	4	minus
## 4647	NC_030680.2	153005231	153005324	4	plus
## 4648	NC_030680.2	153014363	153014520	4	minus
## 4649	NC_030680.2	153040237	153043984	4	plus
## 4650	NC_030680.2	153504085	153562709	4	minus
## 4651	NC_030680.2	153554134	153558213	4	plus
## 4652	NC_030680.2	153689320	153689396	4	minus
## 4653	NC_030681.2	341372	347948	5	plus
## 4654	NC_030681.2	433568	433686	5	plus
## 4655	NC_030681.2	434087	434195	5	plus
## 4656	NC_030681.2	434341	434459	5	plus
## 4657	NC_030681.2	434605	434723	5	plus
## 4658	NC_030681.2	434869	434987	5	plus
## 4659	NC_030681.2	435133	435251	5	plus
## 4660	NC_030681.2	435397	435515	5	plus
## 4661	NC_030681.2	435661	435779	5	plus
## 4662	NC_030681.2	435925	436043	5	plus
## 4663	NC_030681.2	436189	436307	5	plus
## 4664	NC_030681.2	436451	436569	5	plus
## 4665	NC_030681.2	436715	436833	5	plus
## 4666	NC_030681.2	436979	437097	5	plus
## 4667	NC_030681.2	437243	437361	5	plus
## 4668	NC_030681.2	437507	437625	5	plus
## 4669	NC_030681.2	437771	437889	5	plus
## 4670	NC_030681.2	438035	438153	5	plus
## 4671	NC_030681.2	438299	438417	5	plus
## 4672	NC_030681.2	438563	438681	5	plus
## 4673	NC_030681.2	438827	438939	5	plus
## 4674	NC_030681.2	439085	439203	5	plus
## 4675	NC_030681.2	439349	439467	5	plus
## 4676	NC_030681.2	439613	439731	5	plus
## 4677	NC_030681.2	439877	439995	5	plus
## 4678	NC_030681.2	440141	440259	5	plus
## 4679	NC_030681.2	440405	440523	5	plus
## 4680	NC_030681.2	440669	440787	5	plus
## 4681	NC_030681.2	440933	441051	5	plus
## 4682	NC_030681.2	441197	441315	5	plus
## 4683	NC_030681.2	441461	441579	5	plus

## 4684 NC_030681.2	441725	441843	5	plus
## 4685 NC_030681.2	441989	442107	5	plus
## 4686 NC_030681.2	442253	442371	5	plus
## 4687 NC_030681.2	442517	442635	5	plus
## 4688 NC_030681.2	442781	442899	5	plus
## 4689 NC_030681.2	443045	443163	5	plus
## 4690 NC_030681.2	443309	443427	5	plus
## 4691 NC_030681.2	443573	443691	5	plus
## 4692 NC_030681.2	443837	443955	5	plus
## 4693 NC_030681.2	444101	444219	5	plus
## 4694 NC_030681.2	444365	444483	5	plus
## 4695 NC_030681.2	444629	444747	5	plus
## 4696 NC_030681.2	444893	445011	5	plus
## 4697 NC_030681.2	445157	445275	5	plus
## 4698 NC_030681.2	445421	445539	5	plus
## 4699 NC_030681.2	445685	445803	5	plus
## 4700 NC_030681.2	445949	446067	5	plus
## 4701 NC_030681.2	446213	446331	5	plus
## 4702 NC_030681.2	446477	446595	5	plus
## 4703 NC_030681.2	446741	446859	5	plus
## 4704 NC_030681.2	447005	447123	5	plus
## 4705 NC_030681.2	447269	447387	5	plus
## 4706 NC_030681.2	447533	447651	5	plus
## 4707 NC_030681.2	447797	447915	5	plus
## 4708 NC_030681.2	448061	448179	5	plus
## 4709 NC_030681.2	448325	448443	5	plus
## 4710 NC_030681.2	448589	448707	5	plus
## 4711 NC_030681.2	448853	448971	5	plus
## 4712 NC_030681.2	449117	449235	5	plus
## 4713 NC_030681.2	449381	449499	5	plus
## 4714 NC_030681.2	449645	449763	5	plus
## 4715 NC_030681.2	449909	450027	5	plus
## 4716 NC_030681.2	450173	450291	5	plus
## 4717 NC_030681.2	450437	450555	5	plus
## 4718 NC_030681.2	450701	450819	5	plus
## 4719 NC_030681.2	450965	451083	5	plus
## 4720 NC_030681.2	451229	451347	5	plus
## 4721 NC_030681.2	451493	451611	5	plus
## 4722 NC_030681.2	451757	451875	5	plus
## 4723 NC_030681.2	452021	452139	5	plus
## 4724 NC_030681.2	452285	452403	5	plus
## 4725 NC_030681.2	452549	452667	5	plus
## 4726 NC_030681.2	452813	452931	5	plus
## 4727 NC_030681.2	453077	453195	5	plus
## 4728 NC_030681.2	453341	453460	5	plus
## 4729 NC_030681.2	453606	453724	5	plus
## 4730 NC_030681.2	453870	453988	5	plus
## 4731 NC_030681.2	454135	454253	5	plus
## 4732 NC_030681.2	454399	454518	5	plus
## 4733 NC_030681.2	454664	454782	5	plus
## 4734 NC_030681.2	454928	455046	5	plus
## 4735 NC_030681.2	455192	455310	5	plus
## 4736 NC_030681.2	455456	455574	5	plus
## 4737 NC_030681.2	455720	455838	5	plus

## 4738	NC_030681.2	455984	456102	5	plus
## 4739	NC_030681.2	456248	456366	5	plus
## 4740	NC_030681.2	456512	456630	5	plus
## 4741	NC_030681.2	456776	456894	5	plus
## 4742	NC_030681.2	457040	457158	5	plus
## 4743	NC_030681.2	457304	457422	5	plus
## 4744	NC_030681.2	457568	457686	5	plus
## 4745	NC_030681.2	457832	457950	5	plus
## 4746	NC_030681.2	458096	458214	5	plus
## 4747	NC_030681.2	458360	458478	5	plus
## 4748	NC_030681.2	458624	458742	5	plus
## 4749	NC_030681.2	458888	459006	5	plus
## 4750	NC_030681.2	459152	459270	5	plus
## 4751	NC_030681.2	459416	459534	5	plus
## 4752	NC_030681.2	459680	459798	5	plus
## 4753	NC_030681.2	459944	460062	5	plus
## 4754	NC_030681.2	460208	460326	5	plus
## 4755	NC_030681.2	460472	460590	5	plus
## 4756	NC_030681.2	460736	460854	5	plus
## 4757	NC_030681.2	461000	461118	5	plus
## 4758	NC_030681.2	461264	461382	5	plus
## 4759	NC_030681.2	461528	461646	5	plus
## 4760	NC_030681.2	461792	461910	5	plus
## 4761	NC_030681.2	462056	462174	5	plus
## 4762	NC_030681.2	462320	462438	5	plus
## 4763	NC_030681.2	462584	462702	5	plus
## 4764	NC_030681.2	462848	462966	5	plus
## 4765	NC_030681.2	463112	463230	5	plus
## 4766	NC_030681.2	463376	463494	5	plus
## 4767	NC_030681.2	463640	463758	5	plus
## 4768	NC_030681.2	463904	464022	5	plus
## 4769	NC_030681.2	464168	464286	5	plus
## 4770	NC_030681.2	464432	464550	5	plus
## 4771	NC_030681.2	464696	464814	5	plus
## 4772	NC_030681.2	464960	465078	5	plus
## 4773	NC_030681.2	465224	465342	5	plus
## 4774	NC_030681.2	465488	465606	5	plus
## 4775	NC_030681.2	465752	465870	5	plus
## 4776	NC_030681.2	466016	466134	5	plus
## 4777	NC_030681.2	466280	466398	5	plus
## 4778	NC_030681.2	466544	466662	5	plus
## 4779	NC_030681.2	466808	466926	5	plus
## 4780	NC_030681.2	467072	467190	5	plus
## 4781	NC_030681.2	467336	467454	5	plus
## 4782	NC_030681.2	467600	467718	5	plus
## 4783	NC_030681.2	467864	467982	5	plus
## 4784	NC_030681.2	468128	468246	5	plus
## 4785	NC_030681.2	468392	468510	5	plus
## 4786	NC_030681.2	468656	468774	5	plus
## 4787	NC_030681.2	468920	469038	5	plus
## 4788	NC_030681.2	469184	469302	5	plus
## 4789	NC_030681.2	469448	469566	5	plus
## 4790	NC_030681.2	469712	469830	5	plus
## 4791	NC_030681.2	469976	470094	5	plus

## 4792 NC_030681.2	470240	470358	5	plus
## 4793 NC_030681.2	470504	470622	5	plus
## 4794 NC_030681.2	470768	470886	5	plus
## 4795 NC_030681.2	471032	471150	5	plus
## 4796 NC_030681.2	471296	471414	5	plus
## 4797 NC_030681.2	471560	471678	5	plus
## 4798 NC_030681.2	471824	471942	5	plus
## 4799 NC_030681.2	472088	472206	5	plus
## 4800 NC_030681.2	472352	472470	5	plus
## 4801 NC_030681.2	472616	472734	5	plus
## 4802 NC_030681.2	472880	472998	5	plus
## 4803 NC_030681.2	473144	473262	5	plus
## 4804 NC_030681.2	473408	473526	5	plus
## 4805 NC_030681.2	473672	473790	5	plus
## 4806 NC_030681.2	473936	474054	5	plus
## 4807 NC_030681.2	474200	474318	5	plus
## 4808 NC_030681.2	474464	474582	5	plus
## 4809 NC_030681.2	474728	474846	5	plus
## 4810 NC_030681.2	474992	475110	5	plus
## 4811 NC_030681.2	475256	475374	5	plus
## 4812 NC_030681.2	475520	475638	5	plus
## 4813 NC_030681.2	475784	475902	5	plus
## 4814 NC_030681.2	476048	476166	5	plus
## 4815 NC_030681.2	476312	476430	5	plus
## 4816 NC_030681.2	476576	476694	5	plus
## 4817 NC_030681.2	476840	476958	5	plus
## 4818 NC_030681.2	667187	670294	5	plus
## 4819 NC_030681.2	726333	751872	5	minus
## 4820 NC_030681.2	991364	992429	5	minus
## 4821 NC_030681.2	1005272	1019835	5	plus
## 4822 NC_030681.2	1069350	1071768	5	plus
## 4823 NC_030681.2	1134822	1137375	5	plus
## 4824 NC_030681.2	1138161	1171433	5	minus
## 4825 NC_030681.2	1682483	1685714	5	minus
## 4826 NC_030681.2	2468383	2496055	5	plus
## 4827 NC_030681.2	2704458	2736270	5	minus
## 4828 NC_030681.2	2818122	2822583	5	plus
## 4829 NC_030681.2	2866455	2868666	5	plus
## 4830 NC_030681.2	2975382	2990996	5	minus
## 4831 NC_030681.2	2975382	2990996	5	minus
## 4832 NC_030681.2	3796753	3797913	5	plus
## 4833 NC_030681.2	5407571	5461889	5	minus
## 4834 NC_030681.2	6006607	6006688	5	plus
## 4835 NC_030681.2	6007502	6007582	5	plus
## 4836 NC_030681.2	6008112	6008192	5	plus
## 4837 NC_030681.2	6010207	6010290	5	plus
## 4838 NC_030681.2	6010847	6010926	5	plus
## 4839 NC_030681.2	6011772	6011849	5	plus
## 4840 NC_030681.2	6639840	6642848	5	minus
## 4841 NC_030681.2	6790584	6794223	5	minus
## 4842 NC_030681.2	7996127	7997722	5	minus
## 4843 NC_030681.2	8355475	8355546	5	minus
## 4844 NC_030681.2	8356030	8356101	5	minus
## 4845 NC_030681.2	8356826	8356897	5	minus

## 4846	NC_030681.2	8357437	8357508	5	minus
## 4847	NC_030681.2	8358619	8358690	5	plus
## 4848	NC_030681.2	8359266	8359337	5	minus
## 4849	NC_030681.2	8359867	8359938	5	minus
## 4850	NC_030681.2	8360491	8360562	5	minus
## 4851	NC_030681.2	8361345	8361416	5	minus
## 4852	NC_030681.2	8362204	8362275	5	minus
## 4853	NC_030681.2	8362491	8362562	5	minus
## 4854	NC_030681.2	8365195	8365266	5	minus
## 4855	NC_030681.2	8366130	8366201	5	minus
## 4856	NC_030681.2	8367056	8367127	5	minus
## 4857	NC_030681.2	8368604	8368675	5	minus
## 4858	NC_030681.2	8370022	8370093	5	minus
## 4859	NC_030681.2	8371085	8371156	5	minus
## 4860	NC_030681.2	8373821	8373892	5	minus
## 4861	NC_030681.2	8374555	8374626	5	minus
## 4862	NC_030681.2	8375380	8375451	5	minus
## 4863	NC_030681.2	8377409	8377480	5	minus
## 4864	NC_030681.2	8380394	8380465	5	minus
## 4865	NC_030681.2	8380693	8380764	5	minus
## 4866	NC_030681.2	8381218	8381289	5	minus
## 4867	NC_030681.2	8383278	8383349	5	minus
## 4868	NC_030681.2	8384468	8384539	5	minus
## 4869	NC_030681.2	8385136	8385207	5	plus
## 4870	NC_030681.2	8387001	8387072	5	plus
## 4871	NC_030681.2	8388336	8388407	5	minus
## 4872	NC_030681.2	8390059	8390130	5	plus
## 4873	NC_030681.2	8390541	8390612	5	plus
## 4874	NC_030681.2	8391866	8391937	5	plus
## 4875	NC_030681.2	8392347	8392418	5	plus
## 4876	NC_030681.2	8393429	8393500	5	minus
## 4877	NC_030681.2	8394445	8394516	5	plus
## 4878	NC_030681.2	8394926	8394997	5	plus
## 4879	NC_030681.2	8395988	8396059	5	minus
## 4880	NC_030681.2	8396684	8396755	5	minus
## 4881	NC_030681.2	8397446	8397517	5	plus
## 4882	NC_030681.2	8398771	8398842	5	plus
## 4883	NC_030681.2	8399252	8399323	5	plus
## 4884	NC_030681.2	8400865	8400936	5	minus
## 4885	NC_030681.2	8401561	8401632	5	minus
## 4886	NC_030681.2	8402651	8402722	5	plus
## 4887	NC_030681.2	8403781	8403852	5	plus
## 4888	NC_030681.2	8522075	8523780	5	minus
## 4889	NC_030681.2	9429958	9430723	5	minus
## 4890	NC_030681.2	9559398	9559479	5	plus
## 4891	NC_030681.2	9772108	9775835	5	plus
## 4892	NC_030681.2	9802644	9832827	5	plus
## 4893	NC_030681.2	10522027	10556556	5	plus
## 4894	NC_030681.2	10522027	10556556	5	plus
## 4895	NC_030681.2	10620810	10620889	5	plus
## 4896	NC_030681.2	10621780	10621876	5	plus
## 4897	NC_030681.2	12268617	12269889	5	minus
## 4898	NC_030681.2	13105403	13105560	5	plus
## 4899	NC_030681.2	13534717	13592327	5	plus

##	4900	NC_030681.2	13594222	13596183	5	plus
##	4901	NC_030681.2	14791439	14798259	5	minus
##	4902	NC_030681.2	14911927	14916626	5	minus
##	4903	NC_030681.2	15055941	15141664	5	plus
##	4904	NC_030681.2	15060708	15062301	5	minus
##	4905	NC_030681.2	15285044	15294035	5	minus
##	4906	NC_030681.2	15285044	15294035	5	minus
##	4907	NC_030681.2	16915452	16923480	5	plus
##	4908	NC_030681.2	17291721	17291814	5	plus
##	4909	NC_030681.2	17779296	17782666	5	minus
##	4910	NC_030681.2	18250339	18268332	5	plus
##	4911	NC_030681.2	18713048	18736045	5	minus
##	4912	NC_030681.2	20647897	20647968	5	minus
##	4913	NC_030681.2	20650324	20650395	5	minus
##	4914	NC_030681.2	20653786	20653857	5	minus
##	4915	NC_030681.2	20656369	20656440	5	minus
##	4916	NC_030681.2	20657922	20657993	5	minus
##	4917	NC_030681.2	20661237	20661308	5	minus
##	4918	NC_030681.2	20661955	20662026	5	minus
##	4919	NC_030681.2	20664014	20664085	5	minus
##	4920	NC_030681.2	20664779	20664850	5	minus
##	4921	NC_030681.2	20666580	20666651	5	plus
##	4922	NC_030681.2	20666815	20666886	5	plus
##	4923	NC_030681.2	20667337	20667408	5	plus
##	4924	NC_030681.2	20668112	20668183	5	plus
##	4925	NC_030681.2	20670090	20670161	5	minus
##	4926	NC_030681.2	20672408	20672479	5	minus
##	4927	NC_030681.2	20673646	20673717	5	minus
##	4928	NC_030681.2	20677772	20677843	5	minus
##	4929	NC_030681.2	20681455	20681526	5	minus
##	4930	NC_030681.2	20684188	20684259	5	plus
##	4931	NC_030681.2	20686086	20686157	5	minus
##	4932	NC_030681.2	20687699	20687770	5	minus
##	4933	NC_030681.2	20689496	20689567	5	plus
##	4934	NC_030681.2	20691087	20691158	5	plus
##	4935	NC_030681.2	20692458	20692529	5	plus
##	4936	NC_030681.2	20693845	20693916	5	minus
##	4937	NC_030681.2	20695032	20695103	5	minus
##	4938	NC_030681.2	20696518	20696589	5	minus
##	4939	NC_030681.2	20696898	20696969	5	plus
##	4940	NC_030681.2	20698377	20698448	5	plus
##	4941	NC_030681.2	20699747	20699818	5	plus
##	4942	NC_030681.2	20701135	20701206	5	minus
##	4943	NC_030681.2	20702852	20702923	5	plus
##	4944	NC_030681.2	20704912	20704983	5	minus
##	4945	NC_030681.2	20705438	20705509	5	plus
##	4946	NC_030681.2	20706699	20706770	5	plus
##	4947	NC_030681.2	20708288	20708359	5	plus
##	4948	NC_030681.2	20709126	20709197	5	plus
##	4949	NC_030681.2	20711641	20711712	5	minus
##	4950	NC_030681.2	20715280	20715351	5	minus
##	4951	NC_030681.2	20715678	20715749	5	plus
##	4952	NC_030681.2	20717442	20717513	5	minus
##	4953	NC_030681.2	20719604	20719675	5	minus

##	4954	NC_030681.2	20720003	20720074	5	plus
##	4955	NC_030681.2	21040556	21041379	5	plus
##	4956	NC_030681.2	23147029	23148610	5	plus
##	4957	NC_030681.2	23307318	23308899	5	plus
##	4958	NC_030681.2	23712466	23721732	5	minus
##	4959	NC_030681.2	23712466	23721732	5	minus
##	4960	NC_030681.2	23712466	23721732	5	minus
##	4961	NC_030681.2	23922831	23923327	5	plus
##	4962	NC_030681.2	23954402	23955525	5	plus
##	4963	NC_030681.2	23961247	23962260	5	plus
##	4964	NC_030681.2	24147721	24151990	5	minus
##	4965	NC_030681.2	24147721	24151990	5	minus
##	4966	NC_030681.2	24147721	24151990	5	minus
##	4967	NC_030681.2	24147721	24151990	5	minus
##	4968	NC_030681.2	24278007	24284140	5	plus
##	4969	NC_030681.2	24278007	24284140	5	plus
##	4970	NC_030681.2	25309714	25393610	5	minus
##	4971	NC_030681.2	27124198	27125470	5	plus
##	4972	NC_030681.2	27130397	27131691	5	plus
##	4973	NC_030681.2	27823233	27824778	5	plus
##	4974	NC_030681.2	27841835	27843082	5	plus
##	4975	NC_030681.2	28154849	28156414	5	plus
##	4976	NC_030681.2	28206313	28207887	5	minus
##	4977	NC_030681.2	29078972	29080262	5	minus
##	4978	NC_030681.2	29199635	29201015	5	minus
##	4979	NC_030681.2	29653221	29654191	5	minus
##	4980	NC_030681.2	29657152	29657816	5	minus
##	4981	NC_030681.2	29658381	29660091	5	minus
##	4982	NC_030681.2	29696129	29697525	5	plus
##	4983	NC_030681.2	29696129	29697525	5	plus
##	4984	NC_030681.2	29697816	29700101	5	plus
##	4985	NC_030681.2	29700517	29701566	5	plus
##	4986	NC_030681.2	29847355	29850577	5	minus
##	4987	NC_030681.2	31197136	31202706	5	plus
##	4988	NC_030681.2	31995199	31997526	5	plus
##	4989	NC_030681.2	31999747	32000684	5	plus
##	4990	NC_030681.2	32071829	32103217	5	plus
##	4991	NC_030681.2	32514483	32517179	5	minus
##	4992	NC_030681.2	32520216	32523900	5	minus
##	4993	NC_030681.2	33228331	33229649	5	plus
##	4994	NC_030681.2	33960024	33980840	5	minus
##	4995	NC_030681.2	34748775	34749208	5	minus
##	4996	NC_030681.2	35366084	35366174	5	plus
##	4997	NC_030681.2	35366455	35366537	5	plus
##	4998	NC_030681.2	35529290	35531276	5	plus
##	4999	NC_030681.2	36390699	36400492	5	minus
##	5000	NC_030681.2	36390699	36400492	5	minus
##	5001	NC_030681.2	36390768	36395060	5	plus
##	5002	NC_030681.2	36390768	36395060	5	plus
##	5003	NC_030681.2	36466579	36468135	5	plus
##	5004	NC_030681.2	37365361	37379295	5	minus
##	5005	NC_030681.2	37565693	37567237	5	plus
##	5006	NC_030681.2	37856567	37860655	5	plus
##	5007	NC_030681.2	37856567	37860655	5	plus

##	5008	NC_030681.2	37905364	37909675	5	plus
##	5009	NC_030681.2	37905364	37909675	5	plus
##	5010	NC_030681.2	37912818	38021697	5	minus
##	5011	NC_030681.2	37953946	37955737	5	plus
##	5012	NC_030681.2	37957830	37990558	5	minus
##	5013	NC_030681.2	38021743	38026157	5	plus
##	5014	NC_030681.2	38021743	38026157	5	plus
##	5015	NC_030681.2	38028271	38079884	5	minus
##	5016	NC_030681.2	38079931	38084312	5	plus
##	5017	NC_030681.2	38079931	38084312	5	plus
##	5018	NC_030681.2	38674266	38681927	5	minus
##	5019	NC_030681.2	39784771	39787040	5	plus
##	5020	NC_030681.2	39901072	40177182	5	plus
##	5021	NC_030681.2	39901072	40177182	5	plus
##	5022	NC_030681.2	39901072	40177182	5	plus
##	5023	NC_030681.2	40487376	40489523	5	plus
##	5024	NC_030681.2	41407579	41459494	5	minus
##	5025	NC_030681.2	42709830	42713067	5	minus
##	5026	NC_030681.2	42717893	42724148	5	minus
##	5027	NC_030681.2	42717893	42724148	5	minus
##	5028	NC_030681.2	43604527	43608091	5	plus
##	5029	NC_030681.2	44052962	44053099	5	plus
##	5030	NC_030681.2	44055335	44055469	5	plus
##	5031	NC_030681.2	44419131	44433746	5	plus
##	5032	NC_030681.2	45288054	45288136	5	plus
##	5033	NC_030681.2	45334460	45334547	5	plus
##	5034	NC_030681.2	45347258	45347340	5	plus
##	5035	NC_030681.2	45354466	45354548	5	minus
##	5036	NC_030681.2	46087832	46094064	5	minus
##	5037	NC_030681.2	46744872	46767648	5	minus
##	5038	NC_030681.2	46833043	46834787	5	plus
##	5039	NC_030681.2	47463537	47464763	5	minus
##	5040	NC_030681.2	49766224	49768384	5	plus
##	5041	NC_030681.2	49798891	49805299	5	plus
##	5042	NC_030681.2	49798891	49805299	5	plus
##	5043	NC_030681.2	49798891	49805299	5	plus
##	5044	NC_030681.2	49798891	49805299	5	plus
##	5045	NC_030681.2	49798891	49805299	5	plus
##	5046	NC_030681.2	49827711	49839612	5	plus
##	5047	NC_030681.2	49827711	49839612	5	plus
##	5048	NC_030681.2	49827711	49839612	5	plus
##	5049	NC_030681.2	49827711	49839612	5	plus
##	5050	NC_030681.2	49827711	49839612	5	plus
##	5051	NC_030681.2	49827711	49839612	5	plus
##	5052	NC_030681.2	49827711	49839612	5	plus
##	5053	NC_030681.2	49827711	49839612	5	plus
##	5054	NC_030681.2	49827711	49839612	5	plus
##	5055	NC_030681.2	49827711	49839612	5	plus
##	5056	NC_030681.2	49827711	49839612	5	plus
##	5057	NC_030681.2	49827711	49839612	5	plus
##	5058	NC_030681.2	49827711	49839612	5	plus
##	5059	NC_030681.2	49827711	49839612	5	plus
##	5060	NC_030681.2	49827711	49839612	5	plus
##	5061	NC_030681.2	49827711	49839612	5	plus

##	5062	NC_030681.2	49827711	49839612	5	plus
##	5063	NC_030681.2	49827711	49839612	5	plus
##	5064	NC_030681.2	49827711	49839612	5	plus
##	5065	NC_030681.2	49827711	49839612	5	plus
##	5066	NC_030681.2	50520487	50601387	5	plus
##	5067	NC_030681.2	51803076	51805832	5	plus
##	5068	NC_030681.2	52831636	52833617	5	plus
##	5069	NC_030681.2	53295103	53395784	5	plus
##	5070	NC_030681.2	53295103	53395784	5	plus
##	5071	NC_030681.2	53295103	53395784	5	plus
##	5072	NC_030681.2	53981761	53982937	5	plus
##	5073	NC_030681.2	53981761	53982937	5	plus
##	5074	NC_030681.2	56254139	56257130	5	minus
##	5075	NC_030681.2	58625078	58675743	5	plus
##	5076	NC_030681.2	58625078	58675743	5	plus
##	5077	NC_030681.2	58625078	58675743	5	plus
##	5078	NC_030681.2	58886256	59039864	5	minus
##	5079	NC_030681.2	58886256	59039864	5	minus
##	5080	NC_030681.2	59410488	59419319	5	plus
##	5081	NC_030681.2	60205083	60224479	5	plus
##	5082	NC_030681.2	60354200	60360813	5	plus
##	5083	NC_030681.2	60394145	60395733	5	minus
##	5084	NC_030681.2	60570728	60585087	5	plus
##	5085	NC_030681.2	60658347	60668330	5	minus
##	5086	NC_030681.2	60886939	60888863	5	plus
##	5087	NC_030681.2	61154644	61157103	5	plus
##	5088	NC_030681.2	61241981	61251525	5	plus
##	5089	NC_030681.2	62094836	62153956	5	plus
##	5090	NC_030681.2	62148585	62149277	5	minus
##	5091	NC_030681.2	62160500	62162567	5	plus
##	5092	NC_030681.2	62445865	62450304	5	minus
##	5093	NC_030681.2	62445865	62450304	5	minus
##	5094	NC_030681.2	62445865	62450304	5	minus
##	5095	NC_030681.2	62700455	62702985	5	minus
##	5096	NC_030681.2	62910041	63006670	5	plus
##	5097	NC_030681.2	63273964	63279879	5	plus
##	5098	NC_030681.2	63393592	63396087	5	minus
##	5099	NC_030681.2	63551059	63558696	5	plus
##	5100	NC_030681.2	63551059	63558696	5	plus
##	5101	NC_030681.2	63551059	63558696	5	plus
##	5102	NC_030681.2	64136126	64139026	5	plus
##	5103	NC_030681.2	64784671	64951394	5	minus
##	5104	NC_030681.2	66322693	66790708	5	plus
##	5105	NC_030681.2	67311346	67319554	5	plus
##	5106	NC_030681.2	69362846	69363361	5	minus
##	5107	NC_030681.2	69398668	69403132	5	minus
##	5108	NC_030681.2	69499560	69499992	5	plus
##	5109	NC_030681.2	69606352	69654825	5	plus
##	5110	NC_030681.2	70317643	70320096	5	minus
##	5111	NC_030681.2	70605046	70605119	5	plus
##	5112	NC_030681.2	70605610	70605692	5	plus
##	5113	NC_030681.2	70607302	70607392	5	plus
##	5114	NC_030681.2	73422153	73425351	5	plus
##	5115	NC_030681.2	73475902	73484833	5	minus

##	5116	NC_030681.2	73475902	73484833	5	minus
##	5117	NC_030681.2	73807271	73818116	5	minus
##	5118	NC_030681.2	74187055	74203288	5	minus
##	5119	NC_030681.2	74187055	74203288	5	minus
##	5120	NC_030681.2	74187055	74203288	5	minus
##	5121	NC_030681.2	74682574	74684155	5	plus
##	5122	NC_030681.2	74759743	74761474	5	minus
##	5123	NC_030681.2	75159522	75166013	5	plus
##	5124	NC_030681.2	75159522	75166013	5	plus
##	5125	NC_030681.2	75586637	75588588	5	plus
##	5126	NC_030681.2	76301005	76309333	5	plus
##	5127	NC_030681.2	76432473	76436566	5	plus
##	5128	NC_030681.2	76437700	76438374	5	plus
##	5129	NC_030681.2	76458753	76458928	5	minus
##	5130	NC_030681.2	76515574	76519117	5	minus
##	5131	NC_030681.2	76789600	76792328	5	minus
##	5132	NC_030681.2	77213716	77214635	5	plus
##	5133	NC_030681.2	78081829	78085748	5	plus
##	5134	NC_030681.2	78106576	78108260	5	minus
##	5135	NC_030681.2	78362007	78365564	5	plus
##	5136	NC_030681.2	79068503	79072254	5	plus
##	5137	NC_030681.2	80081590	80100929	5	minus
##	5138	NC_030681.2	80967594	80972179	5	plus
##	5139	NC_030681.2	82145415	82155999	5	plus
##	5140	NC_030681.2	83151157	83154479	5	plus
##	5141	NC_030681.2	83915834	83923347	5	plus
##	5142	NC_030681.2	83915834	83923347	5	plus
##	5143	NC_030681.2	83915834	83923347	5	plus
##	5144	NC_030681.2	83915834	83923347	5	plus
##	5145	NC_030681.2	85062739	85065432	5	minus
##	5146	NC_030681.2	87310857	87385782	5	plus
##	5147	NC_030681.2	89011443	89013507	5	minus
##	5148	NC_030681.2	91815499	91815570	5	minus
##	5149	NC_030681.2	92175401	92176695	5	minus
##	5150	NC_030681.2	92546211	92571209	5	plus
##	5151	NC_030681.2	92563588	92563658	5	plus
##	5152	NC_030681.2	92570966	92571043	5	plus
##	5153	NC_030681.2	92681793	92688748	5	plus
##	5154	NC_030681.2	93440583	93442973	5	plus
##	5155	NC_030681.2	93606834	93612494	5	plus
##	5156	NC_030681.2	94654324	94781240	5	minus
##	5157	NC_030681.2	94654324	94781240	5	minus
##	5158	NC_030681.2	94660954	94691122	5	minus
##	5159	NC_030681.2	94968014	95090780	5	plus
##	5160	NC_030681.2	95121196	95125965	5	plus
##	5161	NC_030681.2	95121196	95125965	5	plus
##	5162	NC_030681.2	95301734	95312229	5	minus
##	5163	NC_030681.2	95329273	95333052	5	plus
##	5164	NC_030681.2	96031132	96074789	5	plus
##	5165	NC_030681.2	96584879	96587203	5	plus
##	5166	NC_030681.2	96930348	96942217	5	minus
##	5167	NC_030681.2	97025933	97169416	5	minus
##	5168	NC_030681.2	100280369	100284095	5	minus
##	5169	NC_030681.2	100494260	100508528	5	minus

##	5170	NC_030681.2	100839191	100839265	5	minus
##	5171	NC_030681.2	100844489	100844555	5	minus
##	5172	NC_030681.2	101009207	101010599	5	minus
##	5173	NC_030681.2	101102911	101109416	5	minus
##	5174	NC_030681.2	101117059	101145176	5	minus
##	5175	NC_030681.2	101117059	101145176	5	minus
##	5176	NC_030681.2	101117059	101145176	5	minus
##	5177	NC_030681.2	101117059	101145176	5	minus
##	5178	NC_030681.2	101117059	101145176	5	minus
##	5179	NC_030681.2	101117059	101145176	5	minus
##	5180	NC_030681.2	101117059	101145176	5	minus
##	5181	NC_030681.2	101117059	101145176	5	minus
##	5182	NC_030681.2	101117059	101145176	5	minus
##	5183	NC_030681.2	101117059	101145176	5	minus
##	5184	NC_030681.2	101117059	101145176	5	minus
##	5185	NC_030681.2	101117059	101145176	5	minus
##	5186	NC_030681.2	101257786	101273842	5	minus
##	5187	NC_030681.2	101713094	101716834	5	plus
##	5188	NC_030681.2	101874438	101885331	5	plus
##	5189	NC_030681.2	102029702	102051400	5	plus
##	5190	NC_030681.2	102201736	102202541	5	plus
##	5191	NC_030681.2	102677878	102773230	5	minus
##	5192	NC_030681.2	103025861	103026705	5	plus
##	5193	NC_030681.2	103033412	103040025	5	minus
##	5194	NC_030681.2	105668173	105673197	5	minus
##	5195	NC_030681.2	105916423	105929218	5	minus
##	5196	NC_030681.2	105919253	105919383	5	minus
##	5197	NC_030681.2	105920206	105920336	5	minus
##	5198	NC_030681.2	105921656	105921831	5	minus
##	5199	NC_030681.2	105924002	105924071	5	minus
##	5200	NC_030681.2	105927947	105928018	5	minus
##	5201	NC_030681.2	106016083	106025524	5	plus
##	5202	NC_030681.2	106016083	106025524	5	plus
##	5203	NC_030681.2	106562061	106564963	5	minus
##	5204	NC_030681.2	108435386	108448693	5	minus
##	5205	NC_030681.2	110717126	110722540	5	minus
##	5206	NC_030681.2	111375996	111377415	5	minus
##	5207	NC_030681.2	112603465	112642649	5	minus
##	5208	NC_030681.2	112612796	112612875	5	minus
##	5209	NC_030681.2	112925653	112968852	5	plus
##	5210	NC_030681.2	113835465	113842164	5	minus
##	5211	NC_030681.2	114729696	114729997	5	plus
##	5212	NC_030681.2	114788447	114788530	5	minus
##	5213	NC_030681.2	114788604	114788691	5	minus
##	5214	NC_030681.2	115294162	115296285	5	minus
##	5215	NC_030681.2	115296369	115298159	5	minus
##	5216	NC_030681.2	115296369	115298159	5	minus
##	5217	NC_030681.2	115298168	115301474	5	minus
##	5218	NC_030681.2	115346379	115347869	5	minus
##	5219	NC_030681.2	115867256	115868414	5	minus
##	5220	NC_030681.2	116101204	116103445	5	plus
##	5221	NC_030681.2	116358373	116377330	5	plus
##	5222	NC_030681.2	118427545	118458444	5	minus
##	5223	NC_030681.2	119144651	119167629	5	minus

##	5224	NC_030681.2	119833674	119839655	5	plus
##	5225	NC_030681.2	119870535	119872084	5	minus
##	5226	NC_030681.2	120002637	120005915	5	plus
##	5227	NC_030681.2	120997489	120998279	5	plus
##	5228	NC_030681.2	121334298	121346830	5	minus
##	5229	NC_030681.2	121461172	121464130	5	minus
##	5230	NC_030681.2	121519668	121535840	5	minus
##	5231	NC_030681.2	121545365	121568822	5	plus
##	5232	NC_030681.2	121546998	121549128	5	minus
##	5233	NC_030681.2	122170870	122204760	5	minus
##	5234	NC_030681.2	122965467	123109115	5	minus
##	5235	NC_030681.2	122965467	123109115	5	minus
##	5236	NC_030681.2	122965467	123109115	5	minus
##	5237	NC_030681.2	123704065	123723495	5	minus
##	5238	NC_030681.2	124798769	124802023	5	minus
##	5239	NC_030681.2	124798769	124802023	5	minus
##	5240	NC_030681.2	125374703	125376395	5	plus
##	5241	NC_030681.2	125424196	125431458	5	minus
##	5242	NC_030681.2	125798408	125811666	5	plus
##	5243	NC_030681.2	126733838	126734106	5	plus
##	5244	NC_030681.2	126734854	126735131	5	plus
##	5245	NC_030681.2	126794260	126796669	5	minus
##	5246	NC_030681.2	127141795	127170292	5	plus
##	5247	NC_030681.2	127542922	127542992	5	minus
##	5248	NC_030681.2	127544580	127544650	5	minus
##	5249	NC_030681.2	127544884	127544954	5	minus
##	5250	NC_030681.2	127545340	127545410	5	minus
##	5251	NC_030681.2	127545492	127545562	5	minus
##	5252	NC_030681.2	127545796	127545866	5	minus
##	5253	NC_030681.2	127548838	127548908	5	minus
##	5254	NC_030681.2	127549751	127549821	5	minus
##	5255	NC_030681.2	127550055	127550125	5	minus
##	5256	NC_030681.2	127551423	127551493	5	minus
##	5257	NC_030681.2	127552943	127553013	5	minus
##	5258	NC_030681.2	127553095	127553165	5	minus
##	5259	NC_030681.2	127553399	127553469	5	minus
##	5260	NC_030681.2	127555072	127555142	5	minus
##	5261	NC_030681.2	127555376	127555446	5	minus
##	5262	NC_030681.2	127555528	127555598	5	minus
##	5263	NC_030681.2	127555680	127555750	5	minus
##	5264	NC_030681.2	127555832	127555902	5	minus
##	5265	NC_030681.2	127556136	127556206	5	minus
##	5266	NC_030681.2	127556882	127556952	5	minus
##	5267	NC_030681.2	127557186	127557256	5	minus
##	5268	NC_030681.2	127557642	127557712	5	minus
##	5269	NC_030681.2	127558098	127558168	5	minus
##	5270	NC_030681.2	127559285	127559355	5	minus
##	5271	NC_030681.2	127559437	127559507	5	minus
##	5272	NC_030681.2	127559589	127559659	5	minus
##	5273	NC_030681.2	127559741	127559811	5	minus
##	5274	NC_030681.2	127560500	127560570	5	minus
##	5275	NC_030681.2	127561260	127561330	5	minus
##	5276	NC_030681.2	127562020	127562090	5	minus
##	5277	NC_030681.2	127562324	127562394	5	minus

##	5278	NC_030681.2	127562780	127562850	5	minus
##	5279	NC_030681.2	127563084	127563154	5	minus
##	5280	NC_030681.2	127563692	127563762	5	minus
##	5281	NC_030681.2	127564908	127564978	5	minus
##	5282	NC_030681.2	127565060	127565130	5	minus
##	5283	NC_030681.2	127565212	127565282	5	minus
##	5284	NC_030681.2	127565516	127565586	5	minus
##	5285	NC_030681.2	127565820	127565890	5	minus
##	5286	NC_030681.2	127567159	127567229	5	minus
##	5287	NC_030681.2	127567311	127567381	5	minus
##	5288	NC_030681.2	127567463	127567533	5	minus
##	5289	NC_030681.2	127567615	127567685	5	minus
##	5290	NC_030681.2	127568374	127568444	5	minus
##	5291	NC_030681.2	127569134	127569204	5	minus
##	5292	NC_030681.2	127569438	127569508	5	minus
##	5293	NC_030681.2	127570350	127570420	5	minus
##	5294	NC_030681.2	127571719	127571789	5	minus
##	5295	NC_030681.2	127571871	127571941	5	minus
##	5296	NC_030681.2	127572175	127572245	5	minus
##	5297	NC_030681.2	127572921	127572991	5	minus
##	5298	NC_030681.2	127573225	127573295	5	minus
##	5299	NC_030681.2	127573681	127573751	5	minus
##	5300	NC_030681.2	127575187	127575257	5	minus
##	5301	NC_030681.2	127575339	127575409	5	minus
##	5302	NC_030681.2	127575491	127575561	5	minus
##	5303	NC_030681.2	127575643	127575713	5	minus
##	5304	NC_030681.2	127575947	127576017	5	minus
##	5305	NC_030681.2	127576555	127576625	5	minus
##	5306	NC_030681.2	127577286	127577356	5	minus
##	5307	NC_030681.2	127577438	127577508	5	minus
##	5308	NC_030681.2	127577590	127577660	5	minus
##	5309	NC_030681.2	127577742	127577812	5	minus
##	5310	NC_030681.2	127578500	127578570	5	minus
##	5311	NC_030681.2	127579108	127579178	5	minus
##	5312	NC_030681.2	127580021	127580091	5	minus
##	5313	NC_030681.2	127580925	127580995	5	minus
##	5314	NC_030681.2	127581229	127581299	5	minus
##	5315	NC_030681.2	127581989	127582059	5	minus
##	5316	NC_030681.2	127582597	127582667	5	minus
##	5317	NC_030681.2	127584573	127584643	5	minus
##	5318	NC_030681.2	127588377	127588447	5	minus
##	5319	NC_030681.2	127589594	127589664	5	minus
##	5320	NC_030681.2	127591115	127591185	5	minus
##	5321	NC_030681.2	127592636	127592706	5	minus
##	5322	NC_030681.2	127593700	127593770	5	minus
##	5323	NC_030681.2	127594611	127594681	5	minus
##	5324	NC_030681.2	127596132	127596202	5	minus
##	5325	NC_030681.2	127597045	127597115	5	minus
##	5326	NC_030681.2	127599326	127599396	5	minus
##	5327	NC_030681.2	127600695	127600765	5	minus
##	5328	NC_030681.2	127601911	127601981	5	minus
##	5329	NC_030681.2	127604648	127604718	5	minus
##	5330	NC_030681.2	127605561	127605631	5	minus
##	5331	NC_030681.2	127605865	127605935	5	minus

##	5332	NC_030681.2	127607385	127607455	5	minus
##	5333	NC_030681.2	128371979	128373159	5	plus
##	5334	NC_030681.2	129638995	129664745	5	plus
##	5335	NC_030681.2	130406517	130409210	5	plus
##	5336	NC_030681.2	130651082	130797754	5	minus
##	5337	NC_030681.2	130651082	130797754	5	minus
##	5338	NC_030681.2	132204271	132210343	5	plus
##	5339	NC_030681.2	132596539	132602076	5	plus
##	5340	NC_030681.2	133495852	133498512	5	plus
##	5341	NC_030681.2	133874231	133881311	5	plus
##	5342	NC_030681.2	135011792	135015579	5	minus
##	5343	NC_030681.2	135153402	135164004	5	plus
##	5344	NC_030681.2	135178307	135181444	5	minus
##	5345	NC_030681.2	135211945	135215298	5	plus
##	5346	NC_030681.2	135291090	135291311	5	plus
##	5347	NC_030681.2	135292211	135292329	5	plus
##	5348	NC_030681.2	135292330	135292551	5	plus
##	5349	NC_030681.2	135292923	135293144	5	plus
##	5350	NC_030681.2	135294665	135294886	5	plus
##	5351	NC_030681.2	135296523	135296744	5	plus
##	5352	NC_030681.2	135300538	135300759	5	plus
##	5353	NC_030681.2	137287696	137289404	5	plus
##	5354	NC_030681.2	137325189	137334539	5	plus
##	5355	NC_030681.2	137427782	137433729	5	minus
##	5356	NC_030681.2	137434388	137438258	5	minus
##	5357	NC_030681.2	137791180	137804210	5	minus
##	5358	NC_030681.2	137912166	137918434	5	minus
##	5359	NC_030681.2	138741965	138745996	5	plus
##	5360	NC_030681.2	139553875	139558973	5	minus
##	5361	NC_030681.2	139839671	139839864	5	minus
##	5362	NC_030681.2	140449764	140450760	5	minus
##	5363	NC_030681.2	140655687	140655821	5	plus
##	5364	NC_030681.2	140657029	140657163	5	plus
##	5365	NC_030681.2	140660334	140660467	5	plus
##	5366	NC_030681.2	140660912	140661047	5	plus
##	5367	NC_030681.2	141048358	141246503	5	minus
##	5368	NC_030681.2	142999754	143002638	5	plus
##	5369	NC_030681.2	143011472	143012792	5	plus
##	5370	NC_030681.2	143549028	143549109	5	minus
##	5371	NC_030681.2	144075615	144076994	5	minus
##	5372	NC_030681.2	145092265	145093845	5	minus
##	5373	NC_030681.2	145524553	145542297	5	plus
##	5374	NC_030681.2	145554946	145561174	5	plus
##	5375	NC_030681.2	145917525	145924723	5	minus
##	5376	NC_030681.2	145917525	145924723	5	minus
##	5377	NC_030681.2	146031466	146071180	5	minus
##	5378	NC_030681.2	146606499	146607570	5	minus
##	5379	NC_030681.2	146628173	146629450	5	minus
##	5380	NC_030681.2	146805184	146808651	5	minus
##	5381	NC_030681.2	146931187	146932996	5	minus
##	5382	NC_030681.2	147421548	147423973	5	minus
##	5383	NC_030681.2	147434118	147436955	5	minus
##	5384	NC_030681.2	148345588	148347756	5	minus
##	5385	NC_030681.2	150313235	150318922	5	plus

##	5386	NC_030681.2	150316511	150316580	5	plus
##	5387	NC_030681.2	150317686	150317760	5	plus
##	5388	NC_030681.2	151066017	151068655	5	minus
##	5389	NC_030681.2	151223552	151223634	5	plus
##	5390	NC_030681.2	151961316	151962761	5	plus
##	5391	NC_030681.2	151994100	152004073	5	plus
##	5392	NC_030681.2	152321736	152341063	5	plus
##	5393	NC_030681.2	152734576	152798281	5	minus
##	5394	NC_030681.2	153083310	153189953	5	plus
##	5395	NC_030681.2	153767852	153776278	5	minus
##	5396	NC_030681.2	153843071	153875233	5	minus
##	5397	NC_030681.2	153871330	153873820	5	plus
##	5398	NC_030681.2	153886585	153888788	5	plus
##	5399	NC_030681.2	153941198	153943851	5	plus
##	5400	NC_030681.2	154496943	154511070	5	minus
##	5401	NC_030681.2	154534023	154538758	5	plus
##	5402	NC_030681.2	154534023	154538758	5	plus
##	5403	NC_030681.2	154561349	154566916	5	plus
##	5404	NC_030681.2	154567379	154569954	5	plus
##	5405	NC_030681.2	154621960	154629361	5	plus
##	5406	NC_030681.2	154642899	154649185	5	plus
##	5407	NC_030681.2	154663678	154676810	5	plus
##	5408	NC_030681.2	155079121	155083595	5	minus
##	5409	NC_030681.2	155084913	155092362	5	plus
##	5410	NC_030681.2	155188261	155196382	5	minus
##	5411	NC_030681.2	155462516	155482104	5	minus
##	5412	NC_030681.2	155772750	155829440	5	minus
##	5413	NC_030681.2	155863271	155866352	5	minus
##	5414	NC_030681.2	155893140	155894000	5	minus
##	5415	NC_030681.2	155901006	155902826	5	plus
##	5416	NC_030681.2	155916386	155941107	5	minus
##	5417	NC_030681.2	155968542	155968627	5	minus
##	5418	NC_030681.2	155999888	156003397	5	plus
##	5419	NC_030681.2	156065253	156067232	5	plus
##	5420	NC_030681.2	156077916	156085334	5	plus
##	5421	NC_030681.2	156133315	156140715	5	plus
##	5422	NC_030681.2	156147893	156151766	5	minus
##	5423	NC_030681.2	156187688	156208661	5	plus
##	5424	NC_030681.2	156217946	156222090	5	plus
##	5425	NC_030681.2	156228669	156239411	5	plus
##	5426	NC_030681.2	156342735	156344268	5	plus
##	5427	NC_030681.2	156840267	156894404	5	minus
##	5428	NC_030681.2	156941229	156947927	5	minus
##	5429	NC_030681.2	157526767	157541134	5	minus
##	5430	NC_030681.2	157611477	157617479	5	minus
##	5431	NC_030681.2	157650120	157654430	5	minus
##	5432	NC_030681.2	157664629	157677631	5	minus
##	5433	NC_030681.2	157678612	157693717	5	minus
##	5434	NC_030681.2	157782976	157803103	5	minus
##	5435	NC_030681.2	157800024	157800109	5	plus
##	5436	NC_030681.2	157866387	157868262	5	minus
##	5437	NC_030681.2	157905096	157905983	5	plus
##	5438	NC_030681.2	158043999	158055666	5	plus
##	5439	NC_030681.2	158065057	158078389	5	plus

##	5440	NC_030681.2	158127309	158140081	5	plus
##	5441	NC_030681.2	158172342	158174921	5	plus
##	5442	NC_030681.2	158181859	158185730	5	plus
##	5443	NC_030681.2	158187033	158194899	5	plus
##	5444	NC_030681.2	158199880	158209044	5	plus
##	5445	NC_030681.2	158282547	158302493	5	plus
##	5446	NC_030681.2	158331262	158347619	5	plus
##	5447	NC_030681.2	158355142	158365888	5	plus
##	5448	NC_030681.2	158530338	158535898	5	plus
##	5449	NC_030681.2	158632486	158641008	5	plus
##	5450	NC_030681.2	158885940	158896792	5	minus
##	5451	NC_030681.2	159014647	159020524	5	minus
##	5452	NC_030681.2	159024256	159056982	5	minus
##	5453	NC_030681.2	159087427	159137564	5	minus
##	5454	NC_030681.2	159225237	159238225	5	minus
##	5455	NC_030681.2	159253213	159298531	5	minus
##	5456	NC_030681.2	159344733	159358722	5	plus
##	5457	NC_030681.2	159452938	159459128	5	plus
##	5458	NC_030681.2	159468049	159477607	5	plus
##	5459	NC_030681.2	159767010	159768893	5	plus
##	5460	NC_030681.2	160350829	160355088	5	minus
##	5461	NC_030681.2	161177324	161229422	5	minus
##	5462	NC_030681.2	161177324	161229422	5	minus
##	5463	NC_030681.2	161177324	161229422	5	minus
##	5464	NC_030681.2	161177324	161229422	5	minus
##	5465	NC_030681.2	161177324	161229422	5	minus
##	5466	NC_030681.2	161408205	161408276	5	minus
##	5467	NC_030681.2	161409937	161410009	5	minus
##	5468	NC_030681.2	161410841	161410912	5	minus
##	5469	NC_030681.2	161412344	161412416	5	minus
##	5470	NC_030681.2	161413076	161413147	5	minus
##	5471	NC_030681.2	161413920	161413992	5	minus
##	5472	NC_030681.2	161415627	161415712	5	minus
##	5473	NC_030681.2	161416106	161416177	5	minus
##	5474	NC_030681.2	161417850	161417922	5	minus
##	5475	NC_030681.2	161420902	161420987	5	plus
##	5476	NC_030681.2	161421439	161421523	5	plus
##	5477	NC_030681.2	161422247	161422318	5	plus
##	5478	NC_030681.2	161525841	161547933	5	plus
##	5479	NC_030681.2	161771719	161772642	5	plus
##	5480	NC_030681.2	161833336	161835273	5	minus
##	5481	NC_030681.2	161910950	161918527	5	plus
##	5482	NC_030681.2	161951108	161960806	5	minus
##	5483	NC_030681.2	161967143	161969317	5	minus
##	5484	NC_030681.2	161972794	161974955	5	minus
##	5485	NC_030681.2	162250711	162260149	5	minus
##	5486	NC_030681.2	162969588	162974754	5	minus
##	5487	NC_030681.2	163046966	163063066	5	plus
##	5488	NC_030681.2	163288733	163342420	5	minus
##	5489	NC_030681.2	163387068	163398689	5	minus
##	5490	NC_030681.2	163649732	163651336	5	plus
##	5491	NC_030681.2	163649732	163651336	5	plus
##	5492	NC_030681.2	163649732	163651336	5	plus
##	5493	NC_030681.2	163649732	163651336	5	plus

##	5494	NC_030681.2	163810407	163810564	5	plus
##	5495	NC_030681.2	163823028	163823185	5	plus
##	5496	NC_030682.2	91068	93427	6	minus
##	5497	NC_030682.2	110570	110736	6	minus
##	5498	NC_030682.2	142659	142816	6	minus
##	5499	NC_030682.2	151111	151268	6	minus
##	5500	NC_030682.2	170892	171980	6	minus
##	5501	NC_030682.2	244534	289920	6	minus
##	5502	NC_030682.2	782771	814243	6	plus
##	5503	NC_030682.2	924316	927973	6	minus
##	5504	NC_030682.2	924316	927973	6	minus
##	5505	NC_030682.2	1068439	1070233	6	plus
##	5506	NC_030682.2	1794083	1796845	6	plus
##	5507	NC_030682.2	1827783	1828871	6	minus
##	5508	NC_030682.2	1912971	1916218	6	plus
##	5509	NC_030682.2	1979489	1983663	6	plus
##	5510	NC_030682.2	2094387	2103532	6	plus
##	5511	NC_030682.2	2131370	2175603	6	plus
##	5512	NC_030682.2	2131370	2175603	6	plus
##	5513	NC_030682.2	2186584	2190037	6	plus
##	5514	NC_030682.2	2205523	2205688	6	minus
##	5515	NC_030682.2	2658379	2662443	6	plus
##	5516	NC_030682.2	3018377	3033614	6	minus
##	5517	NC_030682.2	3131652	3134267	6	minus
##	5518	NC_030682.2	3181261	3198337	6	plus
##	5519	NC_030682.2	3181261	3198337	6	plus
##	5520	NC_030682.2	3298160	3301186	6	plus
##	5521	NC_030682.2	3392268	3399026	6	plus
##	5522	NC_030682.2	3461627	3464531	6	minus
##	5523	NC_030682.2	3588385	3590120	6	plus
##	5524	NC_030682.2	3614393	3616145	6	plus
##	5525	NC_030682.2	3636060	3636823	6	plus
##	5526	NC_030682.2	3874773	3877237	6	plus
##	5527	NC_030682.2	4017534	4022235	6	plus
##	5528	NC_030682.2	4055171	4059590	6	minus
##	5529	NC_030682.2	4067375	4080047	6	minus
##	5530	NC_030682.2	4153014	4154664	6	minus
##	5531	NC_030682.2	4346056	4351326	6	plus
##	5532	NC_030682.2	4346056	4351326	6	plus
##	5533	NC_030682.2	4359934	4364904	6	minus
##	5534	NC_030682.2	4362491	4362747	6	minus
##	5535	NC_030682.2	4364068	4364310	6	minus
##	5536	NC_030682.2	4414886	4418267	6	minus
##	5537	NC_030682.2	4500706	4652063	6	plus
##	5538	NC_030682.2	4579960	4584654	6	plus
##	5539	NC_030682.2	4598246	4625904	6	plus
##	5540	NC_030682.2	4705706	4706108	6	minus
##	5541	NC_030682.2	4771630	4774027	6	plus
##	5542	NC_030682.2	4803703	4807301	6	plus
##	5543	NC_030682.2	5349273	5356386	6	minus
##	5544	NC_030682.2	5774980	5776840	6	minus
##	5545	NC_030682.2	5777856	5787650	6	plus
##	5546	NC_030682.2	5990968	6019951	6	plus
##	5547	NC_030682.2	6244264	6250724	6	plus

## 5548	NC_030682.2	6276441	6286872	6	plus
## 5549	NC_030682.2	6312195	6330321	6	minus
## 5550	NC_030682.2	6331708	6331818	6	minus
## 5551	NC_030682.2	6332431	6332568	6	plus
## 5552	NC_030682.2	6343352	6344379	6	plus
## 5553	NC_030682.2	6343919	6344052	6	plus
## 5554	NC_030682.2	6364597	6364709	6	plus
## 5555	NC_030682.2	6366602	6369722	6	plus
## 5556	NC_030682.2	6552461	6558759	6	minus
## 5557	NC_030682.2	6725177	6726528	6	minus
## 5558	NC_030682.2	6763914	6774902	6	plus
## 5559	NC_030682.2	6763914	6774902	6	plus
## 5560	NC_030682.2	6763914	6774902	6	plus
## 5561	NC_030682.2	6768535	6768668	6	plus
## 5562	NC_030682.2	6768839	6768975	6	plus
## 5563	NC_030682.2	6769314	6769448	6	plus
## 5564	NC_030682.2	6769897	6770025	6	plus
## 5565	NC_030682.2	6770385	6770455	6	plus
## 5566	NC_030682.2	6771083	6771153	6	plus
## 5567	NC_030682.2	6771777	6771913	6	plus
## 5568	NC_030682.2	6772252	6772386	6	plus
## 5569	NC_030682.2	6772714	6772842	6	plus
## 5570	NC_030682.2	6773718	6773788	6	plus
## 5571	NC_030682.2	6774445	6774578	6	plus
## 5572	NC_030682.2	7837409	8025165	6	minus
## 5573	NC_030682.2	7837409	8025165	6	minus
## 5574	NC_030682.2	7837409	8025165	6	minus
## 5575	NC_030682.2	11387836	11387918	6	minus
## 5576	NC_030682.2	11802050	11868169	6	minus
## 5577	NC_030682.2	11812591	11814090	6	plus
## 5578	NC_030682.2	11846954	11850098	6	plus
## 5579	NC_030682.2	11879614	11880688	6	plus
## 5580	NC_030682.2	11885236	11886321	6	plus
## 5581	NC_030682.2	11909314	11922394	6	minus
## 5582	NC_030682.2	11935051	11948923	6	plus
## 5583	NC_030682.2	11957320	11987969	6	plus
## 5584	NC_030682.2	11974793	11978814	6	plus
## 5585	NC_030682.2	12114109	12130551	6	plus
## 5586	NC_030682.2	12162034	12172775	6	plus
## 5587	NC_030682.2	12302248	12306507	6	minus
## 5588	NC_030682.2	12340871	12390959	6	plus
## 5589	NC_030682.2	12573901	12575479	6	plus
## 5590	NC_030682.2	12573901	12575479	6	plus
## 5591	NC_030682.2	12575456	12575591	6	minus
## 5592	NC_030682.2	12576365	12576501	6	minus
## 5593	NC_030682.2	12577618	12577753	6	minus
## 5594	NC_030682.2	12580717	12580852	6	minus
## 5595	NC_030682.2	12581899	12582033	6	minus
## 5596	NC_030682.2	14605080	14630112	6	plus
## 5597	NC_030682.2	14605080	14630112	6	plus
## 5598	NC_030682.2	15003654	15007583	6	plus
## 5599	NC_030682.2	16630313	16635587	6	minus
## 5600	NC_030682.2	17395963	17399180	6	plus
## 5601	NC_030682.2	17398413	17398484	6	plus

## 5602	NC_030682.2	17399032	17399114	6	plus
## 5603	NC_030682.2	17568413	17635982	6	plus
## 5604	NC_030682.2	17568413	17635982	6	plus
## 5605	NC_030682.2	17861069	17861154	6	minus
## 5606	NC_030682.2	19846585	19864923	6	minus
## 5607	NC_030682.2	21685351	21709324	6	minus
## 5608	NC_030682.2	21685351	21709324	6	minus
## 5609	NC_030682.2	22919193	22924295	6	minus
## 5610	NC_030682.2	24026748	24038099	6	plus
## 5611	NC_030682.2	24516718	24521311	6	plus
## 5612	NC_030682.2	24522259	24522582	6	plus
## 5613	NC_030682.2	24793919	24795757	6	minus
## 5614	NC_030682.2	25151826	25152178	6	plus
## 5615	NC_030682.2	25172776	25173128	6	plus
## 5616	NC_030682.2	25938890	26194419	6	minus
## 5617	NC_030682.2	26377501	26447140	6	plus
## 5618	NC_030682.2	26945760	26945833	6	plus
## 5619	NC_030682.2	26948827	26952965	6	plus
## 5620	NC_030682.2	27957191	27957337	6	plus
## 5621	NC_030682.2	28897978	28920903	6	minus
## 5622	NC_030682.2	28897978	28920903	6	minus
## 5623	NC_030682.2	28897978	28920903	6	minus
## 5624	NC_030682.2	28897978	28920903	6	minus
## 5625	NC_030682.2	28964278	28968876	6	plus
## 5626	NC_030682.2	29016150	29016302	6	plus
## 5627	NC_030682.2	31777548	31779417	6	minus
## 5628	NC_030682.2	32372889	32372972	6	minus
## 5629	NC_030682.2	32766618	32772198	6	minus
## 5630	NC_030682.2	32849433	32868997	6	plus
## 5631	NC_030682.2	32849433	32868997	6	plus
## 5632	NC_030682.2	32849433	32868997	6	plus
## 5633	NC_030682.2	32996262	33024069	6	plus
## 5634	NC_030682.2	33881293	33906856	6	minus
## 5635	NC_030682.2	34288271	34297975	6	plus
## 5636	NC_030682.2	34288271	34297975	6	plus
## 5637	NC_030682.2	34355890	34360777	6	minus
## 5638	NC_030682.2	34355890	34360777	6	minus
## 5639	NC_030682.2	35263065	35388886	6	plus
## 5640	NC_030682.2	36498771	36498889	6	minus
## 5641	NC_030682.2	38432982	38444086	6	minus
## 5642	NC_030682.2	39199943	39205792	6	minus
## 5643	NC_030682.2	39292489	39302912	6	minus
## 5644	NC_030682.2	39292489	39302912	6	minus
## 5645	NC_030682.2	39960598	39966907	6	minus
## 5646	NC_030682.2	39973851	39978093	6	plus
## 5647	NC_030682.2	39984693	39987588	6	plus
## 5648	NC_030682.2	39984693	39987588	6	plus
## 5649	NC_030682.2	39996576	40001975	6	plus
## 5650	NC_030682.2	40006937	40012552	6	plus
## 5651	NC_030682.2	40006937	40012552	6	plus
## 5652	NC_030682.2	40039112	40091253	6	minus
## 5653	NC_030682.2	40160799	40162484	6	minus
## 5654	NC_030682.2	40328520	40344196	6	plus
## 5655	NC_030682.2	40464123	40468122	6	minus

##	5656	NC_030682.2	40557439	40562008	6	minus
##	5657	NC_030682.2	40705183	40705340	6	minus
##	5658	NC_030682.2	41567024	41567109	6	minus
##	5659	NC_030682.2	41592341	41610574	6	minus
##	5660	NC_030682.2	41638021	41645334	6	minus
##	5661	NC_030682.2	42138202	42145728	6	plus
##	5662	NC_030682.2	42161070	42163466	6	plus
##	5663	NC_030682.2	42181444	42195159	6	plus
##	5664	NC_030682.2	42197222	42207438	6	minus
##	5665	NC_030682.2	42206890	42206976	6	minus
##	5666	NC_030682.2	42452276	42456034	6	minus
##	5667	NC_030682.2	42832539	42840883	6	plus
##	5668	NC_030682.2	42880351	42880508	6	minus
##	5669	NC_030682.2	43807608	43812034	6	minus
##	5670	NC_030682.2	43969302	43972702	6	plus
##	5671	NC_030682.2	46531111	46539018	6	minus
##	5672	NC_030682.2	46776785	46787001	6	plus
##	5673	NC_030682.2	46972878	46976955	6	plus
##	5674	NC_030682.2	46980297	46990409	6	plus
##	5675	NC_030682.2	48234690	48234786	6	plus
##	5676	NC_030682.2	49265778	49284585	6	plus
##	5677	NC_030682.2	50283864	50288150	6	plus
##	5678	NC_030682.2	50585166	50587825	6	minus
##	5679	NC_030682.2	50621533	50621617	6	minus
##	5680	NC_030682.2	50665418	50668732	6	plus
##	5681	NC_030682.2	50875074	50991980	6	plus
##	5682	NC_030682.2	51122163	51125745	6	minus
##	5683	NC_030682.2	52489451	52584397	6	plus
##	5684	NC_030682.2	53772645	53783429	6	minus
##	5685	NC_030682.2	53794512	53804510	6	minus
##	5686	NC_030682.2	53897245	53927805	6	minus
##	5687	NC_030682.2	54034240	54043755	6	plus
##	5688	NC_030682.2	54158531	54160316	6	minus
##	5689	NC_030682.2	54206265	54208148	6	plus
##	5690	NC_030682.2	54228668	54230859	6	plus
##	5691	NC_030682.2	54273338	54275532	6	plus
##	5692	NC_030682.2	54284914	54286203	6	minus
##	5693	NC_030682.2	54341829	54342632	6	minus
##	5694	NC_030682.2	54513935	54521052	6	minus
##	5695	NC_030682.2	54980482	55011066	6	minus
##	5696	NC_030682.2	55235620	55235777	6	minus
##	5697	NC_030682.2	55544499	55546703	6	plus
##	5698	NC_030682.2	59492884	59500608	6	minus
##	5699	NC_030682.2	59492884	59500608	6	minus
##	5700	NC_030682.2	60025038	60036325	6	plus
##	5701	NC_030682.2	60340306	60340765	6	plus
##	5702	NC_030682.2	60912448	60914649	6	plus
##	5703	NC_030682.2	60942864	61008293	6	plus
##	5704	NC_030682.2	62018660	62024468	6	plus
##	5705	NC_030682.2	62018660	62024468	6	plus
##	5706	NC_030682.2	62018660	62024468	6	plus
##	5707	NC_030682.2	62442309	62565986	6	plus
##	5708	NC_030682.2	63239533	63240469	6	plus
##	5709	NC_030682.2	63278148	63280344	6	plus

## 5710	NC_030682.2	63613422	63618256	6	plus
## 5711	NC_030682.2	63655211	63659234	6	plus
## 5712	NC_030682.2	63655211	63659234	6	plus
## 5713	NC_030682.2	63660121	63663706	6	plus
## 5714	NC_030682.2	64483169	64515803	6	minus
## 5715	NC_030682.2	65447601	65523433	6	plus
## 5716	NC_030682.2	65447601	65523433	6	plus
## 5717	NC_030682.2	65447601	65523433	6	plus
## 5718	NC_030682.2	65539728	65539807	6	plus
## 5719	NC_030682.2	65993333	65998489	6	minus
## 5720	NC_030682.2	66079424	66079496	6	minus
## 5721	NC_030682.2	66080986	66081058	6	plus
## 5722	NC_030682.2	66346701	66348069	6	minus
## 5723	NC_030682.2	66361289	66390009	6	minus
## 5724	NC_030682.2	66809832	66809913	6	minus
## 5725	NC_030682.2	67129201	67132239	6	minus
## 5726	NC_030682.2	67196212	67197612	6	plus
## 5727	NC_030682.2	68844688	68846134	6	minus
## 5728	NC_030682.2	68847353	68850838	6	minus
## 5729	NC_030682.2	68857046	68861125	6	minus
## 5730	NC_030682.2	69501480	69502705	6	plus
## 5731	NC_030682.2	69715202	69717316	6	minus
## 5732	NC_030682.2	69804223	69804296	6	minus
## 5733	NC_030682.2	69991480	69994505	6	minus
## 5734	NC_030682.2	70482352	70504191	6	plus
## 5735	NC_030682.2	71135693	71138814	6	plus
## 5736	NC_030682.2	71176823	71485728	6	plus
## 5737	NC_030682.2	71679324	71692742	6	plus
## 5738	NC_030682.2	72095797	72097145	6	plus
## 5739	NC_030682.2	72095797	72097145	6	plus
## 5740	NC_030682.2	73326109	73327595	6	plus
## 5741	NC_030682.2	73477132	73478317	6	plus
## 5742	NC_030682.2	73743790	73745636	6	plus
## 5743	NC_030682.2	74022093	74028183	6	plus
## 5744	NC_030682.2	74503017	74509441	6	minus
## 5745	NC_030682.2	74671459	74676551	6	plus
## 5746	NC_030682.2	75454702	75461575	6	plus
## 5747	NC_030682.2	76169611	76174631	6	plus
## 5748	NC_030682.2	78112292	78113182	6	plus
## 5749	NC_030682.2	78281549	78304108	6	minus
## 5750	NC_030682.2	78354212	78358901	6	minus
## 5751	NC_030682.2	78600705	78603289	6	minus
## 5752	NC_030682.2	79193187	79194939	6	plus
## 5753	NC_030682.2	79282954	79285562	6	minus
## 5754	NC_030682.2	79542344	79555080	6	minus
## 5755	NC_030682.2	79992673	79993739	6	plus
## 5756	NC_030682.2	80724223	80728547	6	plus
## 5757	NC_030682.2	83111602	83207382	6	plus
## 5758	NC_030682.2	83111602	83207382	6	plus
## 5759	NC_030682.2	84449136	84450553	6	minus
## 5760	NC_030682.2	86276419	86280551	6	minus
## 5761	NC_030682.2	87320723	87342531	6	minus
## 5762	NC_030682.2	87373036	87403764	6	minus
## 5763	NC_030682.2	87373036	87403764	6	minus

## 5764	NC_030682.2	87373036	87403764	6	minus
## 5765	NC_030682.2	87373036	87403764	6	minus
## 5766	NC_030682.2	87373036	87403764	6	minus
## 5767	NC_030682.2	87373036	87403764	6	minus
## 5768	NC_030682.2	87373036	87403764	6	minus
## 5769	NC_030682.2	87701665	87737064	6	minus
## 5770	NC_030682.2	87809685	87831809	6	plus
## 5771	NC_030682.2	88897227	88899170	6	plus
## 5772	NC_030682.2	89172331	89212295	6	plus
## 5773	NC_030682.2	89172331	89212295	6	plus
## 5774	NC_030682.2	89172331	89212295	6	plus
## 5775	NC_030682.2	90123100	90129101	6	minus
## 5776	NC_030682.2	90138784	90145751	6	plus
## 5777	NC_030682.2	90291736	90314269	6	minus
## 5778	NC_030682.2	90291736	90314269	6	minus
## 5779	NC_030682.2	90409663	90410271	6	minus
## 5780	NC_030682.2	90636503	90639408	6	minus
## 5781	NC_030682.2	92483053	92483384	6	plus
## 5782	NC_030682.2	92912245	92917727	6	plus
## 5783	NC_030682.2	93136944	93138156	6	minus
## 5784	NC_030682.2	93502223	93534981	6	minus
## 5785	NC_030682.2	93625639	93630437	6	minus
## 5786	NC_030682.2	94113209	94114313	6	plus
## 5787	NC_030682.2	94267531	94269368	6	plus
## 5788	NC_030682.2	94301241	94307973	6	minus
## 5789	NC_030682.2	94301241	94307973	6	minus
## 5790	NC_030682.2	94301241	94307973	6	minus
## 5791	NC_030682.2	94345990	94359240	6	minus
## 5792	NC_030682.2	94372400	94374528	6	minus
## 5793	NC_030682.2	94925263	94926737	6	minus
## 5794	NC_030682.2	95127746	95312512	6	plus
## 5795	NC_030682.2	95127746	95312512	6	plus
## 5796	NC_030682.2	95127746	95312512	6	plus
## 5797	NC_030682.2	95127746	95312512	6	plus
## 5798	NC_030682.2	95288888	95289076	6	minus
## 5799	NC_030682.2	96221436	96222744	6	minus
## 5800	NC_030682.2	100213332	100233200	6	minus
## 5801	NC_030682.2	100213332	100233200	6	minus
## 5802	NC_030682.2	101062381	101069381	6	minus
## 5803	NC_030682.2	101073155	101077961	6	minus
## 5804	NC_030682.2	101073155	101077961	6	minus
## 5805	NC_030682.2	101073155	101077961	6	minus
## 5806	NC_030682.2	101073155	101077961	6	minus
## 5807	NC_030682.2	101099210	101102187	6	minus
## 5808	NC_030682.2	103533328	103549234	6	plus
## 5809	NC_030682.2	103870371	103883096	6	plus
## 5810	NC_030682.2	104484953	104488039	6	minus
## 5811	NC_030682.2	104854872	104858600	6	plus
## 5812	NC_030682.2	105524788	105568367	6	plus
## 5813	NC_030682.2	106449734	106459556	6	plus
## 5814	NC_030682.2	106892291	106895597	6	minus
## 5815	NC_030682.2	107306432	107380844	6	plus
## 5816	NC_030682.2	107306432	107380844	6	plus
## 5817	NC_030682.2	107386519	107395808	6	plus

##	5818	NC_030682.2	108621908	108621993	6	minus
##	5819	NC_030682.2	108624338	108624421	6	minus
##	5820	NC_030682.2	108671947	108678646	6	minus
##	5821	NC_030682.2	108763260	108765624	6	minus
##	5822	NC_030682.2	108841818	108858907	6	plus
##	5823	NC_030682.2	109512842	109517143	6	minus
##	5824	NC_030682.2	109956184	109956293	6	plus
##	5825	NC_030682.2	111343991	111350196	6	minus
##	5826	NC_030682.2	111601846	111617431	6	plus
##	5827	NC_030682.2	111727511	111734632	6	plus
##	5828	NC_030682.2	111934593	111937496	6	plus
##	5829	NC_030682.2	113069402	113069566	6	plus
##	5830	NC_030682.2	113261214	113261286	6	minus
##	5831	NC_030682.2	113364170	113364325	6	plus
##	5832	NC_030682.2	114893136	114896444	6	minus
##	5833	NC_030682.2	115338075	115338774	6	minus
##	5834	NC_030682.2	115627733	115630396	6	minus
##	5835	NC_030682.2	115627733	115630396	6	minus
##	5836	NC_030682.2	115679171	115680977	6	minus
##	5837	NC_030682.2	115716766	115716830	6	minus
##	5838	NC_030682.2	116863062	116898819	6	minus
##	5839	NC_030682.2	117207837	117207927	6	plus
##	5840	NC_030682.2	117241753	117244568	6	minus
##	5841	NC_030682.2	117390800	117393812	6	minus
##	5842	NC_030682.2	118134384	118136739	6	plus
##	5843	NC_030682.2	118136265	118136352	6	plus
##	5844	NC_030682.2	118609358	118651801	6	minus
##	5845	NC_030682.2	118609358	118651801	6	minus
##	5846	NC_030682.2	119146229	119161795	6	plus
##	5847	NC_030682.2	119162039	119162971	6	plus
##	5848	NC_030682.2	120651260	120661595	6	minus
##	5849	NC_030682.2	121412881	121415633	6	plus
##	5850	NC_030682.2	121980555	121994519	6	plus
##	5851	NC_030682.2	123308092	123312118	6	plus
##	5852	NC_030682.2	123504397	123504523	6	minus
##	5853	NC_030682.2	123927483	123928418	6	minus
##	5854	NC_030682.2	124017771	124024334	6	minus
##	5855	NC_030682.2	124085469	124089650	6	plus
##	5856	NC_030682.2	125098594	125107990	6	plus
##	5857	NC_030682.2	125342140	125344037	6	minus
##	5858	NC_030682.2	125344802	125346188	6	minus
##	5859	NC_030682.2	126181787	126193701	6	minus
##	5860	NC_030682.2	126181787	126193701	6	minus
##	5861	NC_030682.2	126254182	126263863	6	plus
##	5862	NC_030682.2	126326845	126351712	6	plus
##	5863	NC_030682.2	126801353	126801504	6	plus
##	5864	NC_030682.2	127355088	127355159	6	plus
##	5865	NC_030682.2	127802703	127803721	6	plus
##	5866	NC_030682.2	128004505	128050058	6	plus
##	5867	NC_030682.2	129375850	129375981	6	plus
##	5868	NC_030682.2	130407090	130407171	6	plus
##	5869	NC_030682.2	130769414	130790298	6	minus
##	5870	NC_030682.2	130886341	130886422	6	minus
##	5871	NC_030682.2	130886523	130886604	6	minus

##	5872	NC_030682.2	130976616	130976697	6	minus
##	5873	NC_030682.2	131403199	131417340	6	plus
##	5874	NC_030682.2	136142646	136152015	6	plus
##	5875	NC_030682.2	136142646	136152015	6	plus
##	5876	NC_030682.2	138306466	138337533	6	plus
##	5877	NC_030682.2	138386718	138388570	6	plus
##	5878	NC_030682.2	140811601	140813826	6	plus
##	5879	NC_030682.2	141236415	141393435	6	plus
##	5880	NC_030682.2	141236415	141393435	6	plus
##	5881	NC_030682.2	141236415	141393435	6	plus
##	5882	NC_030682.2	141477353	141477456	6	minus
##	5883	NC_030682.2	142133242	142143152	6	plus
##	5884	NC_030682.2	142694207	142694279	6	plus
##	5885	NC_030682.2	142694694	142694766	6	plus
##	5886	NC_030682.2	142695359	142695431	6	plus
##	5887	NC_030682.2	142695703	142695775	6	plus
##	5888	NC_030682.2	142696645	142696717	6	plus
##	5889	NC_030682.2	142697132	142697204	6	plus
##	5890	NC_030682.2	142697797	142697869	6	plus
##	5891	NC_030682.2	142698141	142698213	6	plus
##	5892	NC_030682.2	142699083	142699155	6	plus
##	5893	NC_030682.2	142699570	142699642	6	plus
##	5894	NC_030682.2	142700235	142700307	6	plus
##	5895	NC_030682.2	142700579	142700651	6	plus
##	5896	NC_030682.2	142701521	142701593	6	plus
##	5897	NC_030682.2	142702008	142702080	6	plus
##	5898	NC_030682.2	142702673	142702745	6	plus
##	5899	NC_030682.2	142703017	142703089	6	plus
##	5900	NC_030682.2	142703959	142704031	6	plus
##	5901	NC_030682.2	142704446	142704518	6	plus
##	5902	NC_030682.2	142705102	142705174	6	plus
##	5903	NC_030682.2	142705589	142705661	6	plus
##	5904	NC_030682.2	142706254	142706326	6	plus
##	5905	NC_030682.2	142706598	142706670	6	plus
##	5906	NC_030682.2	142707510	142707582	6	plus
##	5907	NC_030682.2	142707997	142708069	6	plus
##	5908	NC_030682.2	142708653	142708725	6	plus
##	5909	NC_030682.2	142709140	142709212	6	plus
##	5910	NC_030682.2	142710256	142710328	6	plus
##	5911	NC_030682.2	142710600	142710672	6	plus
##	5912	NC_030682.2	142711431	142711503	6	plus
##	5913	NC_030682.2	142712757	142712829	6	plus
##	5914	NC_030682.2	142713588	142713660	6	plus
##	5915	NC_030682.2	142714079	142714151	6	plus
##	5916	NC_030682.2	142715021	142715093	6	plus
##	5917	NC_030682.2	142715508	142715580	6	plus
##	5918	NC_030682.2	142716164	142716236	6	plus
##	5919	NC_030682.2	142716651	142716723	6	plus
##	5920	NC_030682.2	142717767	142717839	6	plus
##	5921	NC_030682.2	142718111	142718183	6	plus
##	5922	NC_030682.2	142718942	142719014	6	plus
##	5923	NC_030682.2	142719433	142719505	6	plus
##	5924	NC_030682.2	142720375	142720447	6	plus
##	5925	NC_030682.2	142721401	142721473	6	plus

##	5926	NC_030682.2	142721892	142721964	6	plus
##	5927	NC_030682.2	142722834	142722906	6	plus
##	5928	NC_030682.2	142723178	142723250	6	plus
##	5929	NC_030682.2	142723665	142723737	6	plus
##	5930	NC_030682.2	142724009	142724081	6	plus
##	5931	NC_030682.2	142724500	142724572	6	plus
##	5932	NC_030682.2	142725442	142725514	6	plus
##	5933	NC_030682.2	142726131	142726203	6	plus
##	5934	NC_030682.2	142726618	142726690	6	plus
##	5935	NC_030682.2	142727644	142727716	6	plus
##	5936	NC_030682.2	142728135	142728207	6	plus
##	5937	NC_030682.2	142729077	142729149	6	plus
##	5938	NC_030682.2	142729421	142729493	6	plus
##	5939	NC_030682.2	142729908	142729980	6	plus
##	5940	NC_030682.2	142730252	142730324	6	plus
##	5941	NC_030682.2	142730743	142730815	6	plus
##	5942	NC_030682.2	142731685	142731757	6	plus
##	5943	NC_030682.2	142732374	142732446	6	plus
##	5944	NC_030682.2	142732861	142732933	6	plus
##	5945	NC_030682.2	142733526	142733598	6	plus
##	5946	NC_030682.2	142733887	142733959	6	plus
##	5947	NC_030682.2	142734374	142734446	6	plus
##	5948	NC_030682.2	142734718	142734790	6	plus
##	5949	NC_030682.2	142736151	142736223	6	plus
##	5950	NC_030682.2	142736495	142736567	6	plus
##	5951	NC_030682.2	142737326	142737398	6	plus
##	5952	NC_030682.2	142737813	142737885	6	plus
##	5953	NC_030682.2	142738929	142739001	6	plus
##	5954	NC_030682.2	142739273	142739345	6	plus
##	5955	NC_030682.2	142740104	142740176	6	plus
##	5956	NC_030682.2	142740591	142740663	6	plus
##	5957	NC_030682.2	142740902	142740974	6	plus
##	5958	NC_030682.2	142741246	142741318	6	plus
##	5959	NC_030682.2	142741737	142741809	6	plus
##	5960	NC_030682.2	142742811	142742883	6	plus
##	5961	NC_030682.2	142744762	142744834	6	plus
##	5962	NC_030682.2	142751307	142751379	6	plus
##	5963	NC_030682.2	143063039	143067370	6	minus
##	5964	NC_030682.2	144168241	144168320	6	minus
##	5965	NC_030682.2	144169722	144190789	6	minus
##	5966	NC_030682.2	144172473	144172553	6	minus
##	5967	NC_030682.2	146041197	146041282	6	plus
##	5968	NC_030682.2	146041411	146041496	6	plus
##	5969	NC_030682.2	146041518	146041603	6	plus
##	5970	NC_030682.2	146041625	146041710	6	plus
##	5971	NC_030682.2	146041732	146041817	6	plus
##	5972	NC_030682.2	146041839	146041924	6	plus
##	5973	NC_030682.2	146042053	146042138	6	plus
##	5974	NC_030682.2	146042160	146042245	6	plus
##	5975	NC_030682.2	146042588	146042673	6	plus
##	5976	NC_030682.2	146042909	146042994	6	plus
##	5977	NC_030682.2	146043123	146043208	6	plus
##	5978	NC_030682.2	146043230	146043315	6	plus
##	5979	NC_030682.2	146043337	146043422	6	plus

##	5980	NC_030682.2	146043551	146043636	6	plus
##	5981	NC_030682.2	146043658	146043743	6	plus
##	5982	NC_030682.2	146043979	146044064	6	plus
##	5983	NC_030682.2	146044193	146044278	6	plus
##	5984	NC_030682.2	146044838	146044923	6	plus
##	5985	NC_030682.2	146044945	146045030	6	plus
##	5986	NC_030682.2	146045052	146045137	6	plus
##	5987	NC_030682.2	146045265	146045350	6	plus
##	5988	NC_030682.2	146045468	146045553	6	plus
##	5989	NC_030682.2	146045575	146045660	6	plus
##	5990	NC_030682.2	146045682	146045767	6	plus
##	5991	NC_030682.2	146045788	146045873	6	plus
##	5992	NC_030682.2	146045991	146046076	6	plus
##	5993	NC_030682.2	146046194	146046279	6	plus
##	5994	NC_030682.2	146046621	146046706	6	plus
##	5995	NC_030682.2	146046835	146046920	6	plus
##	5996	NC_030682.2	146046942	146047027	6	plus
##	5997	NC_030682.2	146047049	146047134	6	plus
##	5998	NC_030682.2	146047156	146047241	6	plus
##	5999	NC_030682.2	146047263	146047348	6	plus
##	6000	NC_030682.2	146047370	146047455	6	plus
##	6001	NC_030682.2	146047477	146047562	6	plus
##	6002	NC_030682.2	146047584	146047669	6	plus
##	6003	NC_030682.2	146047691	146047776	6	plus
##	6004	NC_030682.2	146047798	146047883	6	plus
##	6005	NC_030682.2	146047905	146047990	6	plus
##	6006	NC_030682.2	146048218	146048303	6	plus
##	6007	NC_030682.2	146048324	146048409	6	plus
##	6008	NC_030682.2	146048637	146048722	6	plus
##	6009	NC_030682.2	146049383	146049468	6	plus
##	6010	NC_030682.2	147228174	147232306	6	minus
##	6011	NC_030682.2	148902732	148902896	6	minus
##	6012	NC_030682.2	149273723	149275767	6	plus
##	6013	NC_030682.2	149306935	149307053	6	minus
##	6014	NC_030682.2	149768978	149772471	6	plus
##	6015	NC_030682.2	149812807	149814816	6	minus
##	6016	NC_030682.2	149813534	149813668	6	minus
##	6017	NC_030682.2	149813862	149813994	6	minus
##	6018	NC_030682.2	150884649	150891721	6	plus
##	6019	NC_030682.2	151043204	151044984	6	minus
##	6020	NC_030682.2	151084026	151089948	6	minus
##	6021	NC_030682.2	151407181	151408775	6	plus
##	6022	NC_030682.2	151613604	151644480	6	minus
##	6023	NC_030682.2	151688087	151688184	6	minus
##	6024	NC_030682.2	151740646	151743420	6	minus
##	6025	NC_030682.2	151765906	151768015	6	minus
##	6026	NC_030682.2	152022778	152022896	6	minus
##	6027	NC_030682.2	152023595	152023715	6	minus
##	6028	NC_030682.2	152024356	152024476	6	minus
##	6029	NC_030682.2	152025070	152025188	6	minus
##	6030	NC_030682.2	152025774	152025892	6	minus
##	6031	NC_030682.2	152026501	152026619	6	minus
##	6032	NC_030682.2	152027180	152027298	6	minus
##	6033	NC_030682.2	152027885	152028003	6	minus

##	6034	NC_030682.2	152028581	152028699	6	minus
##	6035	NC_030682.2	152029260	152029378	6	minus
##	6036	NC_030682.2	152029947	152030065	6	minus
##	6037	NC_030682.2	152030643	152030761	6	minus
##	6038	NC_030682.2	152031365	152031483	6	minus
##	6039	NC_030682.2	152032064	152032182	6	minus
##	6040	NC_030682.2	152032827	152032945	6	minus
##	6041	NC_030682.2	152033673	152033791	6	minus
##	6042	NC_030682.2	152034016	152034134	6	minus
##	6043	NC_030682.2	152034728	152034846	6	minus
##	6044	NC_030682.2	152035423	152035541	6	minus
##	6045	NC_030682.2	152036133	152036251	6	minus
##	6046	NC_030682.2	152036855	152036973	6	minus
##	6047	NC_030682.2	152037576	152037694	6	minus
##	6048	NC_030682.2	152038284	152038402	6	minus
##	6049	NC_030682.2	152039044	152039162	6	minus
##	6050	NC_030682.2	152039883	152040002	6	minus
##	6051	NC_030682.2	152040227	152040345	6	minus
##	6052	NC_030682.2	152040972	152041090	6	minus
##	6053	NC_030682.2	152041668	152041786	6	minus
##	6054	NC_030682.2	152042504	152042622	6	minus
##	6055	NC_030682.2	152043213	152043331	6	minus
##	6056	NC_030682.2	152043941	152044059	6	minus
##	6057	NC_030682.2	152044634	152044752	6	minus
##	6058	NC_030682.2	152045350	152045468	6	minus
##	6059	NC_030682.2	152045693	152045811	6	minus
##	6060	NC_030682.2	152046451	152046569	6	minus
##	6061	NC_030682.2	152047195	152047313	6	minus
##	6062	NC_030682.2	152047891	152048009	6	minus
##	6063	NC_030682.2	152048730	152048848	6	minus
##	6064	NC_030682.2	152049442	152049560	6	minus
##	6065	NC_030682.2	152050170	152050288	6	minus
##	6066	NC_030682.2	152050856	152050974	6	minus
##	6067	NC_030682.2	152051578	152051696	6	minus
##	6068	NC_030682.2	152052252	152052370	6	minus
##	6069	NC_030682.2	152053012	152053130	6	minus
##	6070	NC_030682.2	152053850	152053968	6	minus
##	6071	NC_030682.2	152054193	152054311	6	minus
##	6072	NC_030682.2	152054937	152055055	6	minus
##	6073	NC_030682.2	152055665	152055783	6	minus
##	6074	NC_030682.2	152056359	152056477	6	minus
##	6075	NC_030682.2	152057103	152057221	6	minus
##	6076	NC_030682.2	152057830	152057948	6	minus
##	6077	NC_030682.2	152058668	152058786	6	minus
##	6078	NC_030682.2	152059348	152059466	6	minus
##	6079	NC_030682.2	152060076	152060194	6	minus
##	6080	NC_030682.2	152065423	152065541	6	minus
##	6081	NC_030682.2	152066109	152066227	6	minus
##	6082	NC_030682.2	152066821	152066939	6	minus
##	6083	NC_030682.2	152067501	152067619	6	minus
##	6084	NC_030682.2	152068181	152068299	6	minus
##	6085	NC_030682.2	152068877	152068995	6	minus
##	6086	NC_030682.2	152069595	152069713	6	minus
##	6087	NC_030682.2	152070275	152070393	6	minus

## 6088	NC_030682.2	152548595	152560300	6	plus
## 6089	NC_030682.2	153632672	153633878	6	minus
## 6090	NC_030682.2	153633921	153649082	6	plus
## 6091	NC_030682.2	153640142	153642250	6	plus
## 6092	NC_030682.2	153640142	153642250	6	plus
## 6093	NC_030682.2	153640142	153642250	6	plus
## 6094	NC_030682.2	153836841	153837808	6	plus
## 6095	NC_030682.2	153841331	153853503	6	plus
## 6096	NC_030682.2	153979876	153980558	6	minus
## 6097	NC_030682.2	153982381	153983488	6	minus
## 6098	NC_030682.2	153988290	153988408	6	minus
## 6099	NC_030682.2	154062575	154062692	6	plus
## 6100	NC_030682.2	154062838	154062954	6	plus
## 6101	NC_030682.2	154063100	154063217	6	plus
## 6102	NC_030682.2	154063363	154063481	6	plus
## 6103	NC_030683.2	105613	111297	7	minus
## 6104	NC_030683.2	173446	173565	7	minus
## 6105	NC_030683.2	173711	173829	7	minus
## 6106	NC_030683.2	173975	174092	7	minus
## 6107	NC_030683.2	174230	174348	7	minus
## 6108	NC_030683.2	174494	174612	7	minus
## 6109	NC_030683.2	174758	174876	7	minus
## 6110	NC_030683.2	175022	175140	7	minus
## 6111	NC_030683.2	175288	175406	7	minus
## 6112	NC_030683.2	175563	175681	7	minus
## 6113	NC_030683.2	246139	246257	7	minus
## 6114	NC_030683.2	266569	273708	7	plus
## 6115	NC_030683.2	378521	379250	7	plus
## 6116	NC_030683.2	378521	379250	7	plus
## 6117	NC_030683.2	385911	386527	7	plus
## 6118	NC_030683.2	385911	386527	7	plus
## 6119	NC_030683.2	398336	414874	7	minus
## 6120	NC_030683.2	398393	413385	7	minus
## 6121	NC_030683.2	597676	625355	7	minus
## 6122	NC_030683.2	597676	625355	7	minus
## 6123	NC_030683.2	719089	719872	7	minus
## 6124	NC_030683.2	719089	719872	7	minus
## 6125	NC_030683.2	721298	722591	7	minus
## 6126	NC_030683.2	721298	722591	7	minus
## 6127	NC_030683.2	724105	734425	7	minus
## 6128	NC_030683.2	724105	734425	7	minus
## 6129	NC_030683.2	736325	742129	7	plus
## 6130	NC_030683.2	1052217	1054092	7	plus
## 6131	NC_030683.2	1126618	1153505	7	minus
## 6132	NC_030683.2	1126618	1153505	7	minus
## 6133	NC_030683.2	1126618	1153505	7	minus
## 6134	NC_030683.2	2185448	2187395	7	plus
## 6135	NC_030683.2	2435858	2436808	7	plus
## 6136	NC_030683.2	2481636	2491366	7	plus
## 6137	NC_030683.2	2631369	2633173	7	plus
## 6138	NC_030683.2	2943183	2944934	7	minus
## 6139	NC_030683.2	2964009	2985163	7	plus
## 6140	NC_030683.2	3050877	3051962	7	minus
## 6141	NC_030683.2	3061860	3064082	7	minus

## 6142	NC_030683.2	3162581	3320606	7	minus
## 6143	NC_030683.2	3989932	4045761	7	minus
## 6144	NC_030683.2	6149682	6149802	7	minus
## 6145	NC_030683.2	6150893	6151016	7	minus
## 6146	NC_030683.2	6152672	6152795	7	minus
## 6147	NC_030683.2	6155109	6155235	7	minus
## 6148	NC_030683.2	6155721	6155854	7	minus
## 6149	NC_030683.2	6157912	6158038	7	minus
## 6150	NC_030683.2	6190839	6193238	7	minus
## 6151	NC_030683.2	6193239	6194350	7	minus
## 6152	NC_030683.2	6479470	6487381	7	plus
## 6153	NC_030683.2	7087997	7118124	7	minus
## 6154	NC_030683.2	7123320	7159813	7	minus
## 6155	NC_030683.2	7168755	7201925	7	plus
## 6156	NC_030683.2	7352572	7355755	7	plus
## 6157	NC_030683.2	7352572	7355755	7	plus
## 6158	NC_030683.2	7352572	7355755	7	plus
## 6159	NC_030683.2	7352572	7355755	7	plus
## 6160	NC_030683.2	7352572	7355755	7	plus
## 6161	NC_030683.2	7468943	7470722	7	minus
## 6162	NC_030683.2	7481078	7488110	7	plus
## 6163	NC_030683.2	7543928	7565602	7	minus
## 6164	NC_030683.2	7689967	7704647	7	plus
## 6165	NC_030683.2	7689967	7704647	7	plus
## 6166	NC_030683.2	7768863	7796863	7	minus
## 6167	NC_030683.2	7867417	7869637	7	minus
## 6168	NC_030683.2	7874497	7875255	7	minus
## 6169	NC_030683.2	7918707	7919448	7	minus
## 6170	NC_030683.2	8013447	8019951	7	plus
## 6171	NC_030683.2	8013447	8019951	7	plus
## 6172	NC_030683.2	8296176	8301016	7	plus
## 6173	NC_030683.2	8318908	8319705	7	minus
## 6174	NC_030683.2	8326155	8337474	7	minus
## 6175	NC_030683.2	8326155	8337474	7	minus
## 6176	NC_030683.2	8341248	8342962	7	minus
## 6177	NC_030683.2	8376809	8381585	7	minus
## 6178	NC_030683.2	8585015	8587025	7	minus
## 6179	NC_030683.2	8587073	8590154	7	minus
## 6180	NC_030683.2	8587073	8590154	7	minus
## 6181	NC_030683.2	8587073	8590154	7	minus
## 6182	NC_030683.2	8590777	8646728	7	minus
## 6183	NC_030683.2	8590777	8646728	7	minus
## 6184	NC_030683.2	8590777	8646728	7	minus
## 6185	NC_030683.2	8614318	8615239	7	plus
## 6186	NC_030683.2	8674266	8675126	7	plus
## 6187	NC_030683.2	9233455	9234493	7	plus
## 6188	NC_030683.2	9438112	9446335	7	minus
## 6189	NC_030683.2	9565456	9565512	7	minus
## 6190	NC_030683.2	9582451	9583737	7	plus
## 6191	NC_030683.2	9979629	9979925	7	plus
## 6192	NC_030683.2	9983689	9983998	7	plus
## 6193	NC_030683.2	10068428	10068564	7	minus
## 6194	NC_030683.2	10254083	10254603	7	plus
## 6195	NC_030683.2	10265953	10266450	7	plus

## 6196	NC_030683.2	10269156	10270249	7	plus
## 6197	NC_030683.2	10323641	10324636	7	plus
## 6198	NC_030683.2	10540462	10548883	7	minus
## 6199	NC_030683.2	10797542	10798475	7	minus
## 6200	NC_030683.2	10818503	10819428	7	minus
## 6201	NC_030683.2	11508614	11509556	7	minus
## 6202	NC_030683.2	11911448	11913275	7	minus
## 6203	NC_030683.2	11918049	11919898	7	minus
## 6204	NC_030683.2	12252236	12259747	7	minus
## 6205	NC_030683.2	12601164	12602237	7	plus
## 6206	NC_030683.2	13167952	13190483	7	minus
## 6207	NC_030683.2	13233843	13242939	7	minus
## 6208	NC_030683.2	13336932	13347375	7	minus
## 6209	NC_030683.2	13557724	13581052	7	minus
## 6210	NC_030683.2	15136878	15139217	7	plus
## 6211	NC_030683.2	15686026	15694572	7	minus
## 6212	NC_030683.2	16118442	16129743	7	minus
## 6213	NC_030683.2	18236679	18243068	7	plus
## 6214	NC_030683.2	18236679	18243068	7	plus
## 6215	NC_030683.2	18271604	18276788	7	minus
## 6216	NC_030683.2	18629516	18636917	7	plus
## 6217	NC_030683.2	18643339	18656642	7	plus
## 6218	NC_030683.2	19499646	19499795	7	minus
## 6219	NC_030683.2	19760233	19767644	7	minus
## 6220	NC_030683.2	20267866	20281084	7	plus
## 6221	NC_030683.2	20291929	20337835	7	minus
## 6222	NC_030683.2	21384771	21385921	7	plus
## 6223	NC_030683.2	21865434	21878331	7	minus
## 6224	NC_030683.2	21865434	21878331	7	minus
## 6225	NC_030683.2	21926307	21929748	7	plus
## 6226	NC_030683.2	22296028	22303554	7	minus
## 6227	NC_030683.2	23704526	23710767	7	plus
## 6228	NC_030683.2	24927362	24930281	7	plus
## 6229	NC_030683.2	26739231	26739382	7	minus
## 6230	NC_030683.2	26767250	26768953	7	minus
## 6231	NC_030683.2	26788810	26789340	7	plus
## 6232	NC_030683.2	26826656	26826742	7	plus
## 6233	NC_030683.2	26834364	26834450	7	plus
## 6234	NC_030683.2	26913319	26915364	7	plus
## 6235	NC_030683.2	27531002	27546317	7	minus
## 6236	NC_030683.2	27954029	28016102	7	plus
## 6237	NC_030683.2	27954029	28016102	7	plus
## 6238	NC_030683.2	28023579	28040520	7	plus
## 6239	NC_030683.2	28056693	28063740	7	plus
## 6240	NC_030683.2	28073392	28077626	7	plus
## 6241	NC_030683.2	28101384	28105499	7	plus
## 6242	NC_030683.2	28112106	28116401	7	plus
## 6243	NC_030683.2	28846709	28867287	7	plus
## 6244	NC_030683.2	29222593	29225881	7	minus
## 6245	NC_030683.2	29449003	29479045	7	minus
## 6246	NC_030683.2	29449003	29479045	7	minus
## 6247	NC_030683.2	29893511	29893911	7	plus
## 6248	NC_030683.2	30131531	30132976	7	plus
## 6249	NC_030683.2	30632643	30635955	7	plus

##	6250	NC_030683.2	31068776	31084625	7	minus
##	6251	NC_030683.2	31187005	31212254	7	minus
##	6252	NC_030683.2	31788395	31795512	7	plus
##	6253	NC_030683.2	32404706	32410522	7	plus
##	6254	NC_030683.2	32766533	32768773	7	minus
##	6255	NC_030683.2	32766533	32768773	7	minus
##	6256	NC_030683.2	32774652	32785980	7	minus
##	6257	NC_030683.2	32786162	32811773	7	minus
##	6258	NC_030683.2	32786162	32811773	7	minus
##	6259	NC_030683.2	32818414	32826264	7	minus
##	6260	NC_030683.2	32828919	32837886	7	minus
##	6261	NC_030683.2	32840019	32843022	7	minus
##	6262	NC_030683.2	32845728	32854204	7	minus
##	6263	NC_030683.2	32845728	32854204	7	minus
##	6264	NC_030683.2	32856705	32859707	7	minus
##	6265	NC_030683.2	32866326	32868274	7	minus
##	6266	NC_030683.2	32872005	32875250	7	minus
##	6267	NC_030683.2	32878751	32887191	7	minus
##	6268	NC_030683.2	32878751	32887191	7	minus
##	6269	NC_030683.2	32888127	32895913	7	minus
##	6270	NC_030683.2	32888127	32895913	7	minus
##	6271	NC_030683.2	33328510	33357205	7	minus
##	6272	NC_030683.2	33372069	33372163	7	minus
##	6273	NC_030683.2	34424364	34427534	7	minus
##	6274	NC_030683.2	34424364	34427534	7	minus
##	6275	NC_030683.2	34597826	34597983	7	plus
##	6276	NC_030683.2	34890684	34891730	7	plus
##	6277	NC_030683.2	34915369	34916928	7	plus
##	6278	NC_030683.2	34937439	34939025	7	plus
##	6279	NC_030683.2	35151942	35175098	7	plus
##	6280	NC_030683.2	35722626	35725292	7	plus
##	6281	NC_030683.2	35917104	35918629	7	plus
##	6282	NC_030683.2	35935421	35936845	7	plus
##	6283	NC_030683.2	36268318	36271073	7	plus
##	6284	NC_030683.2	36367343	36367415	7	minus
##	6285	NC_030683.2	36876273	36880861	7	plus
##	6286	NC_030683.2	36876273	36880861	7	plus
##	6287	NC_030683.2	36995781	36997033	7	minus
##	6288	NC_030683.2	37201774	37208127	7	minus
##	6289	NC_030683.2	37482316	37516672	7	minus
##	6290	NC_030683.2	37482316	37516672	7	minus
##	6291	NC_030683.2	37482316	37516672	7	minus
##	6292	NC_030683.2	37494668	37498523	7	minus
##	6293	NC_030683.2	38267749	38269644	7	plus
##	6294	NC_030683.2	38878759	38896237	7	minus
##	6295	NC_030683.2	39641438	39641595	7	plus
##	6296	NC_030683.2	39988348	39989932	7	minus
##	6297	NC_030683.2	40372881	40380832	7	plus
##	6298	NC_030683.2	40403813	40421935	7	plus
##	6299	NC_030683.2	40403813	40421935	7	plus
##	6300	NC_030683.2	40403813	40421935	7	plus
##	6301	NC_030683.2	41063950	41183718	7	plus
##	6302	NC_030683.2	43086552	43088582	7	plus
##	6303	NC_030683.2	43088025	43090384	7	minus

## 6304	NC_030683.2	43088025	43090384	7	minus
## 6305	NC_030683.2	44453268	44456631	7	minus
## 6306	NC_030683.2	46239803	46249297	7	plus
## 6307	NC_030683.2	47960357	47962825	7	plus
## 6308	NC_030683.2	49453807	49457732	7	plus
## 6309	NC_030683.2	49466731	49468614	7	minus
## 6310	NC_030683.2	49473402	49475278	7	minus
## 6311	NC_030683.2	49479766	49481651	7	minus
## 6312	NC_030683.2	49489568	49492616	7	minus
## 6313	NC_030683.2	49536618	49539429	7	plus
## 6314	NC_030683.2	49744346	49747129	7	plus
## 6315	NC_030683.2	49760996	49762707	7	minus
## 6316	NC_030683.2	49826600	49831422	7	plus
## 6317	NC_030683.2	49914645	49925831	7	minus
## 6318	NC_030683.2	50711816	50713414	7	minus
## 6319	NC_030683.2	52182882	52186007	7	minus
## 6320	NC_030683.2	52900607	52900808	7	plus
## 6321	NC_030683.2	52902430	52902630	7	plus
## 6322	NC_030683.2	52902840	52903044	7	plus
## 6323	NC_030683.2	52906225	52906415	7	plus
## 6324	NC_030683.2	53228062	53243960	7	minus
## 6325	NC_030683.2	56180962	56181564	7	plus
## 6326	NC_030683.2	56509662	56516693	7	plus
## 6327	NC_030683.2	56575160	56594210	7	plus
## 6328	NC_030683.2	57106954	57107660	7	plus
## 6329	NC_030683.2	57301198	57302400	7	plus
## 6330	NC_030683.2	57638606	57651324	7	minus
## 6331	NC_030683.2	58014875	58016077	7	minus
## 6332	NC_030683.2	58439106	58441135	7	plus
## 6333	NC_030683.2	59146083	59155039	7	minus
## 6334	NC_030683.2	59274967	59276640	7	plus
## 6335	NC_030683.2	59300832	59340847	7	minus
## 6336	NC_030683.2	59300832	59340847	7	minus
## 6337	NC_030683.2	59300832	59340847	7	minus
## 6338	NC_030683.2	59479058	59531344	7	minus
## 6339	NC_030683.2	59768514	59774930	7	plus
## 6340	NC_030683.2	59880085	59887351	7	plus
## 6341	NC_030683.2	59941618	60068143	7	minus
## 6342	NC_030683.2	60529702	60532990	7	minus
## 6343	NC_030683.2	60536288	60563092	7	minus
## 6344	NC_030683.2	60536288	60563092	7	minus
## 6345	NC_030683.2	60536288	60563092	7	minus
## 6346	NC_030683.2	60668947	60672523	7	plus
## 6347	NC_030683.2	61019253	61022361	7	minus
## 6348	NC_030683.2	61174146	61178275	7	minus
## 6349	NC_030683.2	61268320	61270199	7	plus
## 6350	NC_030683.2	61537528	61538600	7	plus
## 6351	NC_030683.2	61857316	61895581	7	minus
## 6352	NC_030683.2	61857316	61895581	7	minus
## 6353	NC_030683.2	62043042	62063957	7	minus
## 6354	NC_030683.2	62123266	62134733	7	minus
## 6355	NC_030683.2	62123266	62134733	7	minus
## 6356	NC_030683.2	62156441	62160339	7	minus
## 6357	NC_030683.2	63051512	63057720	7	plus

## 6358	NC_030683.2	63314817	63316942	7	minus
## 6359	NC_030683.2	64303390	64313384	7	plus
## 6360	NC_030683.2	64377035	64383606	7	plus
## 6361	NC_030683.2	64493803	64604619	7	plus
## 6362	NC_030683.2	64493803	64604619	7	plus
## 6363	NC_030683.2	64905123	64919087	7	plus
## 6364	NC_030683.2	64905123	64919087	7	plus
## 6365	NC_030683.2	64905123	64919087	7	plus
## 6366	NC_030683.2	65209700	65216787	7	minus
## 6367	NC_030683.2	65606040	65618058	7	minus
## 6368	NC_030683.2	65759751	65802866	7	plus
## 6369	NC_030683.2	65915969	65931921	7	plus
## 6370	NC_030683.2	66153954	66154049	7	minus
## 6371	NC_030683.2	66154989	66155084	7	minus
## 6372	NC_030683.2	66155775	66155870	7	minus
## 6373	NC_030683.2	67417754	67423121	7	plus
## 6374	NC_030683.2	67721582	67804062	7	plus
## 6375	NC_030683.2	68819475	68828200	7	plus
## 6376	NC_030683.2	69631058	69671929	7	plus
## 6377	NC_030683.2	69631058	69671929	7	plus
## 6378	NC_030683.2	69631058	69671929	7	plus
## 6379	NC_030683.2	69631058	69671929	7	plus
## 6380	NC_030683.2	69631058	69671929	7	plus
## 6381	NC_030683.2	70063266	70094026	7	plus
## 6382	NC_030683.2	72424310	72426760	7	minus
## 6383	NC_030683.2	72537926	72538083	7	plus
## 6384	NC_030683.2	72549789	72555353	7	plus
## 6385	NC_030683.2	73085111	73087736	7	plus
## 6386	NC_030683.2	73085111	73087736	7	plus
## 6387	NC_030683.2	76215853	76218524	7	minus
## 6388	NC_030683.2	76254834	76255747	7	plus
## 6389	NC_030683.2	76619224	76636518	7	plus
## 6390	NC_030683.2	76645614	76649648	7	minus
## 6391	NC_030683.2	76661271	76666165	7	minus
## 6392	NC_030683.2	76668997	76673893	7	minus
## 6393	NC_030683.2	76676705	76681600	7	minus
## 6394	NC_030683.2	76684454	76689349	7	minus
## 6395	NC_030683.2	76692187	76697066	7	minus
## 6396	NC_030683.2	76703001	76710308	7	minus
## 6397	NC_030683.2	76710549	76718079	7	minus
## 6398	NC_030683.2	76718313	76729763	7	minus
## 6399	NC_030683.2	76732815	76737490	7	minus
## 6400	NC_030683.2	76747252	76751236	7	plus
## 6401	NC_030683.2	76752632	76756399	7	minus
## 6402	NC_030683.2	76756741	76756894	7	minus
## 6403	NC_030683.2	76757395	76759220	7	minus
## 6404	NC_030683.2	76767017	76772051	7	minus
## 6405	NC_030683.2	76772389	76772544	7	minus
## 6406	NC_030683.2	76773046	76774872	7	minus
## 6407	NC_030683.2	76783949	76788071	7	minus
## 6408	NC_030683.2	76788413	76788566	7	minus
## 6409	NC_030683.2	76789067	76790892	7	minus
## 6410	NC_030683.2	76798562	76802685	7	minus
## 6411	NC_030683.2	76803028	76803181	7	minus

## 6412	NC_030683.2	76803685	76805510	7	minus
## 6413	NC_030683.2	76813483	76817606	7	minus
## 6414	NC_030683.2	76817949	76818102	7	minus
## 6415	NC_030683.2	76818606	76820431	7	minus
## 6416	NC_030683.2	76819073	76829547	7	plus
## 6417	NC_030683.2	76838030	76838183	7	plus
## 6418	NC_030683.2	76849692	76851517	7	plus
## 6419	NC_030683.2	76852019	76852172	7	plus
## 6420	NC_030683.2	76852515	76856688	7	plus
## 6421	NC_030683.2	76857343	76861471	7	minus
## 6422	NC_030683.2	76861810	76861964	7	minus
## 6423	NC_030683.2	76868742	76872803	7	plus
## 6424	NC_030683.2	76871656	76875789	7	minus
## 6425	NC_030683.2	76876137	76876291	7	minus
## 6426	NC_030683.2	76890127	76894248	7	minus
## 6427	NC_030683.2	76894590	76894743	7	minus
## 6428	NC_030683.2	76895246	76897071	7	minus
## 6429	NC_030683.2	76902132	76903957	7	plus
## 6430	NC_030683.2	76904459	76904612	7	plus
## 6431	NC_030683.2	76904955	76909078	7	plus
## 6432	NC_030683.2	76916877	76918702	7	plus
## 6433	NC_030683.2	76919203	76919356	7	plus
## 6434	NC_030683.2	76919699	76923822	7	plus
## 6435	NC_030683.2	76947229	76951353	7	minus
## 6436	NC_030683.2	76951696	76951849	7	minus
## 6437	NC_030683.2	76952350	76954175	7	minus
## 6438	NC_030683.2	76961973	76966097	7	minus
## 6439	NC_030683.2	76966440	76966593	7	minus
## 6440	NC_030683.2	76967094	76968919	7	minus
## 6441	NC_030683.2	76976013	76980136	7	minus
## 6442	NC_030683.2	76980477	76980624	7	minus
## 6443	NC_030683.2	77003518	77006891	7	minus
## 6444	NC_030683.2	77003518	77006891	7	minus
## 6445	NC_030683.2	77003518	77006891	7	minus
## 6446	NC_030683.2	77007425	77009391	7	minus
## 6447	NC_030683.2	77010881	77018188	7	minus
## 6448	NC_030683.2	77020760	77039739	7	minus
## 6449	NC_030683.2	77065773	77065992	7	plus
## 6450	NC_030683.2	77080697	77082092	7	plus
## 6451	NC_030683.2	77143620	77150160	7	plus
## 6452	NC_030683.2	77504426	77550643	7	plus
## 6453	NC_030683.2	77504426	77550643	7	plus
## 6454	NC_030683.2	77594227	77595010	7	minus
## 6455	NC_030683.2	77626883	77627014	7	plus
## 6456	NC_030683.2	77628386	77628517	7	plus
## 6457	NC_030683.2	77777594	77777657	7	minus
## 6458	NC_030683.2	78247131	78247218	7	minus
## 6459	NC_030683.2	79335411	79339324	7	minus
## 6460	NC_030683.2	79883885	79885549	7	minus
## 6461	NC_030683.2	80821778	80824150	7	plus
## 6462	NC_030683.2	81309872	81310809	7	plus
## 6463	NC_030683.2	82249157	82252340	7	minus
## 6464	NC_030683.2	82504809	82505692	7	minus
## 6465	NC_030683.2	84097122	84098567	7	minus

## 6466	NC_030683.2	84097612	84097696	7	minus
## 6467	NC_030683.2	84109157	84109223	7	plus
## 6468	NC_030683.2	84734056	84816277	7	plus
## 6469	NC_030683.2	84798358	84798772	7	minus
## 6470	NC_030683.2	84838508	84843308	7	plus
## 6471	NC_030683.2	85207270	85210197	7	minus
## 6472	NC_030683.2	85450192	85451845	7	minus
## 6473	NC_030683.2	85509289	85513881	7	minus
## 6474	NC_030683.2	87416406	87422512	7	plus
## 6475	NC_030683.2	87786784	87793432	7	plus
## 6476	NC_030683.2	87887282	87887368	7	minus
## 6477	NC_030683.2	87890107	87890195	7	minus
## 6478	NC_030683.2	87891785	87891873	7	minus
## 6479	NC_030683.2	88907552	88908839	7	plus
## 6480	NC_030683.2	89059345	89172968	7	minus
## 6481	NC_030683.2	89122346	89122465	7	plus
## 6482	NC_030683.2	89756582	89779288	7	minus
## 6483	NC_030683.2	89756753	89756848	7	minus
## 6484	NC_030683.2	90241297	90256668	7	plus
## 6485	NC_030683.2	90932162	90937516	7	plus
## 6486	NC_030683.2	91361145	91363675	7	minus
## 6487	NC_030683.2	91868589	91868692	7	minus
## 6488	NC_030683.2	92332881	92336487	7	plus
## 6489	NC_030683.2	92436892	92444246	7	plus
## 6490	NC_030683.2	92964039	92965118	7	minus
## 6491	NC_030683.2	93166835	93170049	7	minus
## 6492	NC_030683.2	93543781	93563147	7	minus
## 6493	NC_030683.2	93710444	93715550	7	minus
## 6494	NC_030683.2	93716168	93716240	7	minus
## 6495	NC_030683.2	93718093	93718175	7	plus
## 6496	NC_030683.2	93718368	93718440	7	minus
## 6497	NC_030683.2	93719227	93719308	7	plus
## 6498	NC_030683.2	93722011	93722083	7	plus
## 6499	NC_030683.2	93722766	93722848	7	minus
## 6500	NC_030683.2	93743060	93743132	7	minus
## 6501	NC_030683.2	93743511	93743593	7	plus
## 6502	NC_030683.2	93782105	93820976	7	minus
## 6503	NC_030683.2	93782105	93820976	7	minus
## 6504	NC_030683.2	93782105	93820976	7	minus
## 6505	NC_030683.2	93782105	93820976	7	minus
## 6506	NC_030683.2	95520957	95561530	7	plus
## 6507	NC_030683.2	95520957	95561530	7	plus
## 6508	NC_030683.2	97464777	97487505	7	minus
## 6509	NC_030683.2	98152119	98191227	7	minus
## 6510	NC_030683.2	98194316	98217078	7	plus
## 6511	NC_030683.2	98248170	98250253	7	plus
## 6512	NC_030683.2	98380568	98380773	7	plus
## 6513	NC_030683.2	99488739	99490634	7	plus
## 6514	NC_030683.2	101275486	101280000	7	minus
## 6515	NC_030683.2	101739964	101743007	7	minus
## 6516	NC_030683.2	102214908	102217995	7	plus
## 6517	NC_030683.2	102762827	102762899	7	minus
## 6518	NC_030683.2	102763943	102764015	7	plus
## 6519	NC_030683.2	102766851	102766923	7	plus

## 6520	NC_030683.2	102767977	102768059	7	plus
## 6521	NC_030683.2	102770998	102771070	7	plus
## 6522	NC_030683.2	102771368	102771450	7	plus
## 6523	NC_030683.2	102773527	102773599	7	minus
## 6524	NC_030683.2	102774615	102774687	7	minus
## 6525	NC_030683.2	102775022	102775104	7	plus
## 6526	NC_030683.2	102776198	102776270	7	plus
## 6527	NC_030683.2	102845022	102847139	7	minus
## 6528	NC_030683.2	103041920	103042988	7	plus
## 6529	NC_030683.2	103068206	103080700	7	minus
## 6530	NC_030683.2	103144920	103152840	7	minus
## 6531	NC_030683.2	103161508	103168581	7	minus
## 6532	NC_030683.2	103178581	103181081	7	minus
## 6533	NC_030683.2	103205121	103213441	7	minus
## 6534	NC_030683.2	103234457	103235323	7	minus
## 6535	NC_030683.2	103303614	103310120	7	minus
## 6536	NC_030683.2	103342878	103348400	7	minus
## 6537	NC_030683.2	103357220	103361206	7	minus
## 6538	NC_030683.2	103634618	103644377	7	minus
## 6539	NC_030683.2	103974343	103976272	7	minus
## 6540	NC_030683.2	105105072	105167756	7	plus
## 6541	NC_030683.2	105897229	105897539	7	plus
## 6542	NC_030683.2	105958333	105988731	7	minus
## 6543	NC_030683.2	106462888	106573288	7	minus
## 6544	NC_030683.2	106462888	106573288	7	minus
## 6545	NC_030683.2	106575037	106681961	7	minus
## 6546	NC_030683.2	106575037	106681961	7	minus
## 6547	NC_030683.2	106575037	106681961	7	minus
## 6548	NC_030683.2	106579184	106584928	7	minus
## 6549	NC_030683.2	106579184	106584928	7	minus
## 6550	NC_030683.2	107647836	107679504	7	plus
## 6551	NC_030683.2	107647836	107679504	7	plus
## 6552	NC_030683.2	107785475	107788957	7	plus
## 6553	NC_030683.2	107927365	107939502	7	minus
## 6554	NC_030683.2	107941095	107948344	7	minus
## 6555	NC_030683.2	107997130	108008472	7	minus
## 6556	NC_030683.2	108470401	108501383	7	minus
## 6557	NC_030683.2	108470401	108501383	7	minus
## 6558	NC_030683.2	108508767	108511250	7	minus
## 6559	NC_030683.2	108542982	108543927	7	plus
## 6560	NC_030683.2	108597406	108602349	7	plus
## 6561	NC_030683.2	109327552	109332446	7	plus
## 6562	NC_030683.2	109345105	109346896	7	minus
## 6563	NC_030683.2	109449047	109451124	7	plus
## 6564	NC_030683.2	109562837	109564749	7	minus
## 6565	NC_030683.2	110452635	110452698	7	minus
## 6566	NC_030683.2	110596423	110600147	7	plus
## 6567	NC_030683.2	110967747	110992785	7	minus
## 6568	NC_030683.2	111341642	111352127	7	minus
## 6569	NC_030683.2	111573777	111576109	7	minus
## 6570	NC_030683.2	111625160	111631804	7	plus
## 6571	NC_030683.2	111669270	111670182	7	minus
## 6572	NC_030683.2	111739631	111765629	7	plus
## 6573	NC_030683.2	111847568	111847938	7	plus

## 6574	NC_030683.2	111860770	111864259	7	plus
## 6575	NC_030683.2	111860770	111864259	7	plus
## 6576	NC_030683.2	113091584	113093317	7	plus
## 6577	NC_030683.2	113118474	113121427	7	plus
## 6578	NC_030683.2	113252440	113252940	7	minus
## 6579	NC_030683.2	113537592	113542537	7	minus
## 6580	NC_030683.2	114137164	114138434	7	minus
## 6581	NC_030683.2	114545388	114568648	7	minus
## 6582	NC_030683.2	114612068	114624289	7	minus
## 6583	NC_030683.2	117187047	117187118	7	minus
## 6584	NC_030683.2	117191530	117191601	7	minus
## 6585	NC_030683.2	117193670	117193741	7	minus
## 6586	NC_030683.2	117194315	117194386	7	minus
## 6587	NC_030683.2	117196613	117196684	7	minus
## 6588	NC_030683.2	117199727	117199798	7	minus
## 6589	NC_030683.2	117200381	117200452	7	minus
## 6590	NC_030683.2	117204016	117204087	7	minus
## 6591	NC_030683.2	117209138	117209209	7	minus
## 6592	NC_030683.2	117210467	117210538	7	minus
## 6593	NC_030683.2	117210866	117210937	7	minus
## 6594	NC_030683.2	117211942	117212013	7	minus
## 6595	NC_030683.2	117375206	117381552	7	minus
## 6596	NC_030683.2	117375660	117375748	7	minus
## 6597	NC_030683.2	117377356	117377444	7	minus
## 6598	NC_030683.2	117378031	117378124	7	minus
## 6599	NC_030683.2	117379006	117379094	7	minus
## 6600	NC_030683.2	117379627	117379715	7	minus
## 6601	NC_030683.2	119283378	119283488	7	minus
## 6602	NC_030683.2	119289260	119292320	7	plus
## 6603	NC_030683.2	119740341	119776839	7	minus
## 6604	NC_030683.2	119948206	119949226	7	minus
## 6605	NC_030683.2	120146127	120146188	7	minus
## 6606	NC_030683.2	120158063	120158151	7	minus
## 6607	NC_030683.2	120161035	120161110	7	minus
## 6608	NC_030683.2	120161102	120247696	7	minus
## 6609	NC_030683.2	120224359	120229102	7	plus
## 6610	NC_030683.2	120788912	120789789	7	minus
## 6611	NC_030683.2	121133066	121135417	7	plus
## 6612	NC_030683.2	121181916	121186051	7	plus
## 6613	NC_030683.2	121246514	121257706	7	plus
## 6614	NC_030683.2	122393163	122398418	7	plus
## 6615	NC_030683.2	122602292	122606962	7	minus
## 6616	NC_030683.2	123016082	123019227	7	minus
## 6617	NC_030683.2	123020528	123021831	7	minus
## 6618	NC_030683.2	123370493	123371847	7	plus
## 6619	NC_030683.2	123432274	123435061	7	plus
## 6620	NC_030683.2	123511608	123526805	7	plus
## 6621	NC_030683.2	124981827	124991223	7	plus
## 6622	NC_030683.2	125140125	125141176	7	plus
## 6623	NC_030683.2	125609217	125637992	7	minus
## 6624	NC_030683.2	126153902	126156955	7	plus
## 6625	NC_030683.2	126201198	126204125	7	plus
## 6626	NC_030683.2	126772392	126786897	7	plus
## 6627	NC_030683.2	127104212	127112753	7	plus

## 6628	NC_030683.2	127500357	127501764	7	plus
## 6629	NC_030683.2	127559556	127578963	7	minus
## 6630	NC_030683.2	127903694	127910987	7	minus
## 6631	NC_030683.2	127911135	127916645	7	plus
## 6632	NC_030683.2	128815000	128868929	7	minus
## 6633	NC_030683.2	130084698	130084754	7	plus
## 6634	NC_030683.2	130085079	130085135	7	plus
## 6635	NC_030683.2	130085844	130085902	7	plus
## 6636	NC_030683.2	130091759	130091815	7	plus
## 6637	NC_030683.2	130092119	130092175	7	plus
## 6638	NC_030683.2	130092854	130092910	7	plus
## 6639	NC_030683.2	130096039	130096095	7	plus
## 6640	NC_030683.2	130097062	130097118	7	plus
## 6641	NC_030683.2	130099751	130099807	7	plus
## 6642	NC_030683.2	130101030	130101084	7	minus
## 6643	NC_030683.2	130101576	130101632	7	plus
## 6644	NC_030683.2	130102599	130102655	7	plus
## 6645	NC_030683.2	130103491	130103547	7	minus
## 6646	NC_030683.2	130104191	130104247	7	plus
## 6647	NC_030683.2	130104458	130104514	7	plus
## 6648	NC_030683.2	130105268	130105324	7	minus
## 6649	NC_030683.2	130105968	130106024	7	plus
## 6650	NC_030683.2	130106235	130106291	7	plus
## 6651	NC_030683.2	130107491	130107547	7	plus
## 6652	NC_030683.2	130108317	130108375	7	plus
## 6653	NC_030683.2	130111356	130111412	7	plus
## 6654	NC_030683.2	130112234	130112290	7	plus
## 6655	NC_030683.2	130113351	130113407	7	plus
## 6656	NC_030683.2	130114182	130114238	7	minus
## 6657	NC_030683.2	130114861	130114917	7	minus
## 6658	NC_030683.2	130117673	130117729	7	minus
## 6659	NC_030683.2	130118510	130118566	7	minus
## 6660	NC_030683.2	130119784	130119840	7	minus
## 6661	NC_030683.2	130120462	130120518	7	plus
## 6662	NC_030683.2	130121426	130121482	7	minus
## 6663	NC_030683.2	130126285	130126341	7	plus
## 6664	NC_030683.2	130126830	130126886	7	minus
## 6665	NC_030683.2	130128593	130128649	7	plus
## 6666	NC_030683.2	130129709	130129765	7	plus

##	Name
## 1	tRNA-Phe
## 2	s-rRNA
## 3	tRNA-Val
## 4	l-rRNA
## 5	tRNA-Leu
## 6	tRNA-Ile
## 7	tRNA-Gln
## 8	tRNA-Met
## 9	tRNA-Trp
## 10	tRNA-Ala
## 11	tRNA-Asn
## 12	tRNA-Cys
## 13	tRNA-Tyr
## 14	tRNA-Ser


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## 15                                     tRNA-Asp
## 16                                     tRNA-Lys
## 17                                     tRNA-Gly
## 18                                     tRNA-Arg
## 19                                     tRNA-His
## 20                                     tRNA-Ser
## 21                                     tRNA-Leu
## 22                                     tRNA-Glu
## 23                                     tRNA-Thr
## 24                                     tRNA-Pro
## 25                                     peptidase inhibitor 16
## 26                                     uncharacterized LOC116408404
## 27 uncharacterized LOC116408258, transcript variant X2
## 28 uncharacterized LOC116408258, transcript variant X2
## 29                                     uncharacterized gene
## 30                                     uncharacterized LOC116408259
## 31                                     small nucleolar RNA SNORA51
## 32                                     small nucleolar RNA SNORD56
## 33                                     small nucleolar RNA SNORD57
## 34 vomeronasal type-2 receptor 26-like
## 35 vomeronasal type-2 receptor 26
## 36 vomeronasal type-2 receptor 26-like
## 37 vomeronasal type-2 receptor 26-like
## 38 vomeronasal type-2 receptor 26-like
## 39 vomeronasal type-2 receptor 26-like
## 40 vomeronasal type-2 receptor 26-like
## 41 vomeronasal type-2 receptor 26-like
## 42 vomeronasal type-2 receptor 26
## 43 vomeronasal type-2 receptor 26
## 44 vomeronasal type-2 receptor 26
## 45 vomeronasal type-2 receptor 26-like
## 46 vomeronasal type-2 receptor 26-like
## 47 vomeronasal type-2 receptor 26-like
## 48 vomeronasal type-2 receptor 26-like
## 49 vomeronasal type-2 receptor 26-like
## 50 vomeronasal type-2 receptor 26
## 51 vomeronasal type-2 receptor 26-like
## 52 vomeronasal type-2 receptor 26-like
## 53 vomeronasal type-2 receptor 26-like
## 54 vomeronasal type-2 receptor 26-like
## 55 vomeronasal type-2 receptor 26-like
## 56 vomeronasal type-2 receptor 26
## 57 vomeronasal type-2 receptor 26
## 58 uncharacterized gene
## 59 vomeronasal type-2 receptor 26-like
## 60 vomeronasal type-2 receptor 26
## 61 vomeronasal type-2 receptor 26-like
## 62 vomeronasal type-2 receptor 26
## 63 vomeronasal type-2 receptor 26-like
## 64 vomeronasal type-2 receptor 26-like
## 65 vomeronasal type-2 receptor 26
## 66 vomeronasal type-2 receptor 26
## 67 vomeronasal type-2 receptor 26-like
## 68 vomeronasal type-2 receptor 26

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## 69	vomeronasal type-2 receptor 26
## 70	vomeronasal type-2 receptor 26-like
## 71	vomeronasal type-2 receptor 26-like
## 72	vomeronasal type-2 receptor 26
## 73	vomeronasal type-2 receptor 26-like
## 74	vomeronasal type-2 receptor 26-like
## 75	uncharacterized gene
## 76	vomeronasal type-2 receptor 26
## 77	vomeronasal type-2 receptor 26
## 78	uncharacterized LOC101734200, transcript variant X3
## 79	uncharacterized LOC101734200, transcript variant X3
## 80	uncharacterized LOC101734200, transcript variant X3
## 81	uncharacterized gene
## 82	vomeronasal type-2 receptor 26
## 83	uncharacterized gene
## 84	vomeronasal type-2 receptor 26
## 85	vomeronasal type-2 receptor 26-like
## 86	uncharacterized LOC101734240
## 87	vomeronasal type-2 receptor 26
## 88	vomeronasal type-2 receptor 26
## 89	vomeronasal type-2 receptor 26-like
## 90	uncharacterized gene
## 91	vomeronasal type-2 receptor 26-like
## 92	vomeronasal type-2 receptor 26
## 93	vomeronasal type-2 receptor 26
## 94	vomeronasal type-2 receptor 26
## 95	vomeronasal type-2 receptor 26
## 96	vomeronasal type-2 receptor 26
## 97	U4atac minor spliceosomal RNA
## 98	uncharacterized gene
## 99	U4atac minor spliceosomal RNA
## 100	uncharacterized gene
## 101	uncharacterized gene
## 102	uncharacterized gene
## 103	uncharacterized gene
## 104	U4atac minor spliceosomal RNA
## 105	U4atac minor spliceosomal RNA
## 106	vomeronasal type-2 receptor 26-like
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## 111	vomeronasal type-2 receptor 26
## 112	vomeronasal type-2 receptor 26-like
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## 117	vomeronasal type-2 receptor 26-like
## 118	uncharacterized gene
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## 141	vomeronasal type-2 receptor 26-like
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## 145	uncharacterized gene
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## 159	uncharacterized LOC101733471, transcript variant X2
## 160	uncharacterized LOC101733471, transcript variant X2
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## 169	uncharacterized gene
## 170	uncharacterized LOC116408263
## 171	uncharacterized LOC116408419, transcript variant X6
## 172	uncharacterized LOC116408419, transcript variant X6
## 173	uncharacterized LOC116408419, transcript variant X6
## 174	uncharacterized LOC116408419, transcript variant X6
## 175	uncharacterized LOC116408419, transcript variant X6
## 176	uncharacterized LOC116408419, transcript variant X6

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## 178	uncharacterized LOC116408265
## 179	uncharacterized LOC116408266
## 180	alpha-1D adrenergic receptor
## 181	uncharacterized LOC116408270
## 182	microRNA mir-103-2
## 183	uncharacterized LOC116408420
## 184	uncharacterized LOC116408421
## 185	uncharacterized LOC101732343
## 186	microRNA mir-146b
## 187	uncharacterized LOC101732811
## 188	uncharacterized LOC116408422
## 189	uncharacterized LOC116408423
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## 191	uncharacterized LOC116408272
## 192	uncharacterized LOC116408273
## 193	uncharacterized LOC116408274
## 194	uncharacterized LOC116408275
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## 196	uncharacterized LOC101730339
## 197	uncharacterized LOC116408427
## 198	SET and MYND domain-containing protein 5-like
## 199	uncharacterized LOC105946332, transcript variant X2
## 200	uncharacterized LOC105946332, transcript variant X2
## 201	uncharacterized LOC116408276
## 202	uncharacterized LOC116408429
## 203	SET and MYND domain-containing protein 5-like
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## 206	uncharacterized LOC116408277
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## 226	small nucleolar RNA SNORD94
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## 228	uncharacterized LOC116408432
## 229	uncharacterized LOC105946477
## 230	uncharacterized gene

## 231	histone-lysine N-methyltransferase NSD2
## 232	uncharacterized LOC116408434
## 233	uncharacterized LOC116408435
## 234	uncharacterized gene
## 235	uncharacterized LOC116408436
## 236	uncharacterized LOC108645669
## 237	uncharacterized LOC105946263
## 238	uncharacterized LOC116408437
## 239	uncharacterized LOC105946260
## 240	uncharacterized LOC105946261
## 241	uncharacterized LOC116408438
## 242	EvC ciliary complex subunit 1
## 243	uncharacterized protein LOC101734699
## 244	uncharacterized protein K02A2.6
## 245	uncharacterized LOC116408287
## 246	uncharacterized LOC116408439
## 247	uncharacterized LOC116408440
## 248	uncharacterized LOC116408441, transcript variant X2
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## 252	prominin 1
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## 264	microRNA mir-218-1
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## 266	uncharacterized gene
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## 268	uncharacterized LOC116408289
## 269	uncharacterized LOC108645172
## 270	uncharacterized LOC108645173
## 271	uncharacterized LOC116408290
## 272	uncharacterized LOC116408444
## 273	uncharacterized LOC116408291
## 274	uncharacterized LOC105945533
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 ## 288 uncharacterized LOC105945501
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 ## 290 uncharacterized LOC116408460
 ## 291 uncharacterized LOC116408462
 ## 292 uncharacterized LOC100487199
 ## 293 small nucleolar RNA SNORA26
 ## 294 small nucleolar RNA SNORA26
 ## 295 uncharacterized LOC116408292
 ## 296 uncharacterized LOC101730516
 ## 297 uncharacterized LOC116408293
 ## 298 microRNA mir-383
 ## 299 uncharacterized LOC116408463
 ## 300 uncharacterized LOC116408464
 ## 301 protocadherin Fat 1 isoform X4
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 ## 303 uncharacterized LOC116408466
 ## 304 uncharacterized LOC105946470
 ## 305 uncharacterized LOC116408468
 ## 306 uncharacterized LOC116408295
 ## 307 uncharacterized LOC116408296
 ## 308 15-hydroxyprostaglandin dehydrogenase
 ## 309 uncharacterized LOC101731812
 ## 310 uncharacterized LOC101731713, transcript variant X1
 ## 311 uncharacterized LOC101731713, transcript variant X1
 ## 312 uncharacterized LOC101731713, transcript variant X1
 ## 313 uncharacterized LOC105946249, transcript variant X2
 ## 314 uncharacterized LOC105946249, transcript variant X2
 ## 315 uncharacterized LOC105946250
 ## 316 uncharacterized LOC116408469
 ## 317 uncharacterized LOC105946247
 ## 318 uncharacterized LOC116408470, transcript variant X2
 ## 319 uncharacterized LOC116408470, transcript variant X2
 ## 320 transmembrane protein 192
 ## 321 uncharacterized LOC100494224
 ## 322 uncharacterized LOC116408297
 ## 323 glutamate receptor, ionotropic, AMPA 2
 ## 324 glycine receptor beta
 ## 325 uncharacterized gene
 ## 326 uncharacterized gene
 ## 327 transmembrane protein 131-like isoform X1
 ## 328 uncharacterized LOC105946244
 ## 329 uncharacterized gene
 ## 330 uncharacterized LOC116408471
 ## 331 uncharacterized LOC116408472
 ## 332 uncharacterized protein LOC108648197 isoform X1
 ## 333 uncharacterized protein LOC108648197 isoform X1
 ## 334 uncharacterized protein LOC108648197 isoform X1
 ## 335 uncharacterized protein LOC108648197 isoform X1
 ## 336 uncharacterized protein LOC108648197 isoform X1
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 ## 342 uncharacterized protein LOC108648193 isoform X1
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 ## 345 uncharacterized protein LOC108648193 isoform X1
 ## 346 uncharacterized LOC116408479
 ## 347 SH3 domain-containing protein 19 isoform X5
 ## 348 SH3 domain-containing protein 19 isoform X5
 ## 349 SH3 domain-containing protein 19 isoform X5
 ## 350 SH3 domain-containing protein 19 isoform X5
 ## 351 SH3 domain-containing protein 19 isoform X5
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 ## 353 small nucleolar RNA SNORD73
 ## 354 small nucleolar RNA SNORD73
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 ## 357 serine/threonine-protein kinase DCLK2 isoform X2
 ## 358 uncharacterized LOC116408299
 ## 359 uncharacterized LOC116408481
 ## 360 uncharacterized LOC116408300
 ## 361 uncharacterized LOC116408302
 ## 362 protein MGARP isoform X1
 ## 363 cystine/glutamate transporter
 ## 364 protocadherin 10
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 ## 367 uncharacterized LOC108648245
 ## 368 uncharacterized LOC116408303
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 ## 374 adenosine deaminase domain-containing protein 1-like isoform X1
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 ## 376 protein kinase C delta type-like
 ## 377 adenosine deaminase domain-containing protein 1
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 ## 385 tRNA-Val
 ## 386 tRNA-Val
 ## 387 uncharacterized LOC105946224
 ## 388 uncharacterized LOC116410985
 ## 389 uncharacterized LOC108648251
 ## 390 microRNA mir-367
 ## 391 microRNA mir-302
 ## 392 uncharacterized LOC116411088

393 uncharacterized LOC101732926
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 ## 395 small nucleolar RNA SNORA24
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 ## 398 uncharacterized LOC116411109
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 ## 405 uncharacterized LOC116411450
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 ## 408 uncharacterized LOC105945456, transcript variant X1
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 ## 414 uncharacterized LOC116411454, transcript variant X2
 ## 415 uncharacterized LOC116411454, transcript variant X2
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 ## 418 heterogeneous nuclear ribonucleoprotein D like
 ## 419 RNA binding protein with multiple splicing
 ## 420 extracellular matrix protein FRAS1 isoform X1
 ## 421 extracellular matrix protein FRAS1 isoform X1
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 ## 424 uncharacterized LOC100489354, transcript variant X1
 ## 425 uncharacterized LOC105946056, transcript variant X2
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 ## 435 uncharacterized LOC116408312
 ## 436 uncharacterized gene
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 ## 439 uncharacterized LOC101732465
 ## 440 uncharacterized LOC108646210
 ## 441 uncharacterized LOC116411519
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 ## 460 uncharacterized LOC116411553
 ## 461 uncharacterized LOC116411552, transcript variant X2
 ## 462 uncharacterized LOC116411552, transcript variant X2
 ## 463 purine-rich element binding protein G
 ## 464 nuclear factor 1 C-type isoform X2
 ## 465 RNA exonuclease 1 homolog
 ## 466 U4 spliceosomal RNA
 ## 467 uncharacterized LOC108648369
 ## 468 glutathione peroxidase 4
 ## 469 tRNA-Ala
 ## 470 U6 spliceosomal RNA
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 ## 506 uncharacterized LOC105945472, transcript variant X2
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 ## 516 CUGBP Elav-like family member 5
 ## 517 SH2 domain-containing adapter protein B
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 ## 520 uncharacterized LOC116408324
 ## 521 muscle M-line assembly protein unc-89
 ## 522 nipsnap homolog 3A
 ## 523 T-cell acute lymphocytic leukemia 2
 ## 524 microRNA mir-31a
 ## 525 uncharacterized LOC116406523
 ## 526 uncharacterized LOC116406524
 ## 527 FRAS1-related extracellular matrix protein 1 isoform X1
 ## 528 zinc finger DHHC-type containing 21
 ## 529 tRNA-His
 ## 530 uncharacterized LOC116406525
 ## 531 microRNA mir-101a-1
 ## 532 regulatory factor X3
 ## 533 uncharacterized gene
 ## 534 uncharacterized LOC116406561
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 ## 536 U5 spliceosomal RNA
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 ## 538 tRNA-Tyr
 ## 539 uncharacterized LOC108644692
 ## 540 MAM domain containing 2
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 ## 545 microRNA mir-7-1
 ## 546 uncharacterized LOC116406593
 ## 547 microRNA mir-23b
 ## 548 microRNA mir-27b
 ## 549 microRNA mir-24a
 ## 550 protein patched homolog 1 isoform X1
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 ## 552 uncharacterized LOC116408326
 ## 553 uncharacterized LOC116406620
 ## 554 uncharacterized LOC116406630, transcript variant X2

## 555	uncharacterized LOC116406630, transcript variant X2
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## 630	uncharacterized gene
## 631	tRNA-Thr
## 632	tRNA-Pro
## 633	tRNA-Pro
## 634	tRNA-Pro
## 635	uncharacterized LOC100496939, transcript variant X4
## 636	uncharacterized LOC100496939, transcript variant X4
## 637	uncharacterized LOC100496939, transcript variant X4
## 638	uncharacterized LOC100496939, transcript variant X4
## 639	small nucleolar RNA SNORA79
## 640	uncharacterized LOC116406741
## 641	uncharacterized gene
## 642	uncharacterized LOC100495683
## 643	MORC family CW-type zinc finger 2
## 644	MORC family CW-type zinc finger 2
## 645	uncharacterized LOC116406820
## 646	uncharacterized LOC116408328
## 647	uncharacterized LOC108645063, transcript variant X2
## 648	uncharacterized LOC108645063, transcript variant X2
## 649	uncharacterized LOC108645074
## 650	uncharacterized LOC108645148, transcript variant X2
## 651	uncharacterized LOC108645148, transcript variant X2
## 652	U2 spliceosomal RNA
## 653	uncharacterized LOC108645158
## 654	small G protein signaling modulator 1
## 655	uncharacterized LOC108645160
## 656	uncharacterized gene
## 657	uncharacterized LOC105948288
## 658	uncharacterized LOC100497306, transcript variant X1
## 659	uncharacterized LOC100497306, transcript variant X1
## 660	uncharacterized gene
## 661	tetratricopeptide repeat protein 28 isoform X1
## 662	U6 spliceosomal RNA

## 663	uncharacterized LOC116408330
## 664	BICD family like cargo adaptor 1
## 665	uncharacterized gene
## 666	U4 spliceosomal RNA
## 667	U4 spliceosomal RNA
## 668	GATOR complex protein DEPDC5 isoform X3
## 669	uncharacterized gene
## 670	uncharacterized gene
## 671	uncharacterized gene
## 672	uncharacterized gene
## 673	uncharacterized gene
## 674	uncharacterized gene
## 675	uncharacterized gene
## 676	uncharacterized gene
## 677	uncharacterized gene
## 678	uncharacterized gene
## 679	uncharacterized gene
## 680	uncharacterized gene
## 681	uncharacterized gene
## 682	uncharacterized gene
## 683	uncharacterized gene
## 684	uncharacterized gene
## 685	uncharacterized gene
## 686	uncharacterized gene
## 687	uncharacterized gene
## 688	uncharacterized gene
## 689	uncharacterized gene
## 690	uncharacterized gene
## 691	uncharacterized gene
## 692	uncharacterized gene
## 693	uncharacterized gene
## 694	uncharacterized gene
## 695	uncharacterized gene
## 696	uncharacterized gene
## 697	uncharacterized LOC116407213
## 698	uncharacterized gene
## 699	uncharacterized gene
## 700	uncharacterized gene
## 701	uncharacterized gene
## 702	microRNA mir-130b
## 703	microRNA mir-454
## 704	microRNA mir-301-2
## 705	microRNA mir-130c
## 706	uncharacterized LOC101733130, transcript variant X4
## 707	uncharacterized LOC101733130, transcript variant X4
## 708	uncharacterized LOC101733130, transcript variant X4
## 709	uncharacterized LOC101733130, transcript variant X4
## 710	uncharacterized LOC101732760, transcript variant X2
## 711	uncharacterized LOC101732760, transcript variant X2
## 712	uncharacterized LOC101732721
## 713	small nucleolar RNA SNORA77
## 714	uncharacterized LOC105948212
## 715	small nucleolar RNA SNORA49
## 716	small nucleolar RNA SNORA49

717 uncharacterized LOC105948198
 ## 718 uncharacterized protein LOC100488577
 ## 719 glycosyltransferase 1 domain containing 1
 ## 720 tRNA-Ala
 ## 721 tRNA-Asp
 ## 722 uncharacterized gene
 ## 723 tRNA-Phe
 ## 724 tRNA-Asp
 ## 725 uncharacterized gene
 ## 726 uncharacterized LOC116407493
 ## 727 uncharacterized LOC100491839
 ## 728 uncharacterized LOC116407494
 ## 729 uncharacterized LOC101733658, transcript variant X4
 ## 730 uncharacterized LOC101733658, transcript variant X4
 ## 731 uncharacterized LOC101733658, transcript variant X4
 ## 732 uncharacterized LOC101733658, transcript variant X4
 ## 733 uncharacterized LOC101733658, transcript variant X4
 ## 734 uncharacterized LOC116407495
 ## 735 uncharacterized LOC108645387
 ## 736 sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform X1
 ## 737 sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform X1
 ## 738 TRAF-type zinc finger domain containing 1
 ## 739 uncharacterized LOC116407509
 ## 740 uncharacterized gene
 ## 741 uncharacterized LOC101733588, transcript variant X2
 ## 742 uncharacterized LOC101733588, transcript variant X2
 ## 743 small nucleolar RNA SNORD34
 ## 744 uncharacterized LOC116407554
 ## 745 uncharacterized gene
 ## 746 putative histone-lysine N-methyltransferase PRDM6
 ## 747 uncharacterized LOC116408332
 ## 748 uncharacterized gene
 ## 749 uncharacterized LOC105948047, transcript variant X2
 ## 750 uncharacterized LOC105948047, transcript variant X2
 ## 751 uncharacterized LOC105948047, transcript variant X2
 ## 752 uncharacterized LOC116407580
 ## 753 uncharacterized gene
 ## 754 mutated in colorectal cancers
 ## 755 neuronal regeneration related protein, transcript variant X3
 ## 756 neuronal regeneration related protein, transcript variant X3
 ## 757 neuronal regeneration related protein, transcript variant X3
 ## 758 uncharacterized LOC116407637
 ## 759 uncharacterized LOC116407640, transcript variant X2
 ## 760 uncharacterized LOC116407640, transcript variant X2
 ## 761 uncharacterized LOC105948038
 ## 762 uncharacterized LOC101734714, transcript variant X4
 ## 763 uncharacterized LOC101734714, transcript variant X4
 ## 764 uncharacterized LOC101734714, transcript variant X4
 ## 765 uncharacterized LOC101734714, transcript variant X4
 ## 766 uncharacterized LOC108645630
 ## 767 uncharacterized LOC116407671
 ## 768 uncharacterized LOC105948037
 ## 769 uncharacterized LOC105948036
 ## 770 microRNA mir-9a-2

## 771	uncharacterized LOC116408334
## 772	uncharacterized LOC108645629
## 773	small nucleolar RNA Z39
## 774	small nucleolar RNA Z39
## 775	uncharacterized LOC116407681
## 776	uncharacterized LOC105945407
## 777	uncharacterized LOC116408335
## 778	uncharacterized LOC116407697
## 779	occludin pseudogene
## 780	small EDRK-rich factor 1
## 781	uncharacterized LOC116407733
## 782	hexosaminidase B (beta polypeptide)
## 783	uncharacterized LOC116407780
## 784	uncharacterized LOC116407786
## 785	U6 spliceosomal RNA
## 786	small nucleolar RNA SNORA47
## 787	uncharacterized LOC101734782
## 788	uncharacterized LOC116407875
## 789	uncharacterized LOC116407907, transcript variant X2
## 790	uncharacterized LOC116407907, transcript variant X2
## 791	uncharacterized LOC116407908
## 792	uncharacterized LOC100486571
## 793	cyclin-dependent kinase 7, transcript variant X2
## 794	cyclin-dependent kinase 7, transcript variant X2
## 795	uncharacterized LOC116407909
## 796	transcriptional regulator ATRX homolog
## 797	uncharacterized LOC116408336
## 798	uncharacterized LOC116408337
## 799	uncharacterized LOC116408338
## 800	uncharacterized LOC116407913
## 801	uncharacterized LOC116408340
## 802	uncharacterized LOC116408351
## 803	uncharacterized LOC116408341, transcript variant X2
## 804	uncharacterized LOC116408341, transcript variant X2
## 805	uncharacterized LOC116407915
## 806	serine/threonine-protein kinase N2-like
## 807	uncharacterized LOC116408343
## 808	uncharacterized LOC101735128
## 809	uncharacterized LOC116407918
## 810	glyoxalase domain-containing protein 5-like isoform X1
## 811	glyoxalase domain-containing protein 5-like isoform X1
## 812	glyoxalase domain-containing protein 5-like isoform X1
## 813	glyoxalase domain-containing protein 5-like isoform X1
## 814	glyoxalase domain-containing protein 5-like isoform X1
## 815	glyoxalase domain-containing protein 5-like isoform X1
## 816	glyoxalase domain-containing protein 5-like isoform X1
## 817	uncharacterized LOC116407917
## 818	uncharacterized LOC116408344
## 819	uncharacterized gene
## 820	uncharacterized gene
## 821	U1 spliceosomal RNA
## 822	U1 spliceosomal RNA
## 823	U1 spliceosomal RNA
## 824	U1 spliceosomal RNA

## 825	U1 spliceosomal RNA
## 826	U1 spliceosomal RNA
## 827	U1 spliceosomal RNA
## 828	U1 spliceosomal RNA
## 829	U1 spliceosomal RNA
## 830	U1 spliceosomal RNA
## 831	U1 spliceosomal RNA
## 832	U1 spliceosomal RNA
## 833	U1 spliceosomal RNA
## 834	U1 spliceosomal RNA
## 835	U1 spliceosomal RNA
## 836	U1 spliceosomal RNA
## 837	U1 spliceosomal RNA
## 838	U1 spliceosomal RNA
## 839	microRNA mir-449c
## 840	microRNA mir-449b
## 841	microRNA mir-449a
## 842	protein kinase C theta type-like
## 843	protein kinase C theta type-like
## 844	uncharacterized LOC116407944
## 845	uncharacterized LOC105948028, transcript variant X1
## 846	uncharacterized LOC105948028, transcript variant X1
## 847	ribosomal protein L37
## 848	small nucleolar RNA SNORD72
## 849	small nucleolar RNA SNORD72
## 850	uncharacterized LOC100486506
## 851	uncharacterized LOC108645639
## 852	uncharacterized LOC116408349
## 853	uncharacterized LOC116408350
## 854	uncharacterized LOC116407965
## 855	ciliogenesis and planar polarity effector 1, transcript variant X6
## 856	ciliogenesis and planar polarity effector 1, transcript variant X6
## 857	ciliogenesis and planar polarity effector 1, transcript variant X6
## 858	ciliogenesis and planar polarity effector 1, transcript variant X6
## 859	ciliogenesis and planar polarity effector 1, transcript variant X6
## 860	ciliogenesis and planar polarity effector 1, transcript variant X6
## 861	uncharacterized LOC105945830
## 862	uncharacterized LOC116408352
## 863	zinc finger RNA binding protein
## 864	small nucleolar RNA SNORA66
## 865	small nucleolar RNA SNORA66
## 866	small nucleolar RNA SNORA66
## 867	uncharacterized LOC105946298
## 868	uncharacterized LOC116408049
## 869	uncharacterized LOC100494751
## 870	uncharacterized LOC101732251
## 871	microRNA mir-122
## 872	uncharacterized LOC116408131
## 873	uncharacterized LOC116408142
## 874	uncharacterized LOC116408353
## 875	small Cajal body-specific RNA 18
## 876	uncharacterized LOC116408213
## 877	uncharacterized LOC116408220
## 878	small nucleolar RNA SNORD58

879 small nucleolar RNA SNORD58
 ## 880 small nucleolar RNA SNORD58
 ## 881 small nucleolar RNA SNORD58
 ## 882 small nucleolar RNA SNORD58
 ## 883 uncharacterized gene
 ## 884 urea transporter 1 isoform X1
 ## 885 SET binding protein 1, transcript variant X2
 ## 886 SET binding protein 1, transcript variant X2
 ## 887 CUGBP, Elav-like family member 4
 ## 888 CUGBP, Elav-like family member 4
 ## 889 uncharacterized LOC116408222
 ## 890 small nucleolar RNA SNORD121A
 ## 891 small nucleolar RNA SNORD121A
 ## 892 small nucleolar RNA SNORD121A
 ## 893 uncharacterized LOC116408356
 ## 894 uncharacterized LOC116408224, transcript variant X3
 ## 895 uncharacterized LOC116408224, transcript variant X3
 ## 896 uncharacterized LOC116408224, transcript variant X3
 ## 897 phosphatidylinositol glycan anchor biosynthesis class 0
 ## 898 phosphatidylinositol glycan anchor biosynthesis class 0
 ## 899 uncharacterized LOC116408226
 ## 900 von Willebrand factor A domain-containing protein 5A
 ## 901 von Willebrand factor A domain-containing protein 5A
 ## 902 von Willebrand factor A domain-containing protein 5A
 ## 903 mitochondrial amidoxime reducing component 1
 ## 904 mitochondrial amidoxime reducing component 1
 ## 905 mitochondrial amidoxime reducing component 1
 ## 906 mitochondrial amidoxime reducing component 1
 ## 907 uncharacterized gene
 ## 908 uncharacterized gene
 ## 909 uncharacterized LOC101732817
 ## 910 uncharacterized gene
 ## 911 uncharacterized gene
 ## 912 resistin, gene 1, transcript variant X2
 ## 913 resistin, gene 1, transcript variant X2
 ## 914 uncharacterized gene
 ## 915 uncharacterized LOC108647448, transcript variant X2
 ## 916 uncharacterized LOC108647448, transcript variant X2
 ## 917 uncharacterized LOC116408252, transcript variant X2
 ## 918 uncharacterized LOC116408252, transcript variant X2
 ## 919 uncharacterized LOC105945933
 ## 920 rho guanine nucleotide exchange factor 39
 ## 921 uncharacterized gene
 ## 922 uncharacterized gene
 ## 923 uncharacterized gene
 ## 924 uncharacterized gene
 ## 925 uncharacterized gene
 ## 926 uncharacterized gene
 ## 927 uncharacterized gene
 ## 928 uncharacterized LOC108645376, transcript variant X3
 ## 929 uncharacterized LOC108645376, transcript variant X3
 ## 930 uncharacterized LOC108645376, transcript variant X3
 ## 931 uncharacterized gene
 ## 932 uncharacterized gene

## 933	5S ribosomal RNA
## 934	5S ribosomal RNA
## 935	5S ribosomal RNA
## 936	5S ribosomal RNA
## 937	5S ribosomal RNA
## 938	5S ribosomal RNA
## 939	5S ribosomal RNA
## 940	5S ribosomal RNA
## 941	5S ribosomal RNA
## 942	5S ribosomal RNA
## 943	5S ribosomal RNA
## 944	5S ribosomal RNA
## 945	oocyte 5S ribosomal RNA
## 946	5S ribosomal RNA
## 947	uncharacterized gene
## 948	5S ribosomal RNA
## 949	5S ribosomal RNA
## 950	5S ribosomal RNA
## 951	5S ribosomal RNA
## 952	5S ribosomal RNA
## 953	5S ribosomal RNA
## 954	5S ribosomal RNA
## 955	5S ribosomal RNA
## 956	5S ribosomal RNA
## 957	5S ribosomal RNA
## 958	uncharacterized gene
## 959	5S ribosomal RNA
## 960	uncharacterized gene
## 961	5S ribosomal RNA
## 962	5S ribosomal RNA
## 963	uncharacterized gene
## 964	uncharacterized LOC101732078
## 965	vang-like protein 1
## 966	5S ribosomal RNA
## 967	5S ribosomal RNA
## 968	5S ribosomal RNA
## 969	uncharacterized gene
## 970	uncharacterized gene
## 971	uncharacterized LOC116408734, transcript variant X5
## 972	uncharacterized LOC116408734, transcript variant X5
## 973	uncharacterized LOC116408734, transcript variant X5
## 974	uncharacterized LOC116408734, transcript variant X5
## 975	uncharacterized LOC116408734, transcript variant X5
## 976	uncharacterized LOC116408659
## 977	uncharacterized LOC116408736
## 978	uncharacterized LOC105945835
## 979	polymerase (DNA directed), theta
## 980	U4atac minor spliceosomal RNA
## 981	uncharacterized LOC108645742
## 982	uncharacterized gene
## 983	myelin protein zero-like protein 1 isoform X1
## 984	tRNA-Pro
## 985	tRNA-Pro
## 986	tRNA-Pro

## 987	uncharacterized LOC116408738
## 988	uncharacterized LOC105948416
## 989	uncharacterized LOC105948531, transcript variant X2
## 990	uncharacterized LOC105948531, transcript variant X2
## 991	small nucleolar RNA SNORA13
## 992	small nucleolar RNA SNORA13
## 993	small nucleolar RNA SNORA13
## 994	small nucleolar RNA SNORA13
## 995	tRNA-Ile
## 996	tRNA-Asp
## 997	uncharacterized LOC116408740
## 998	uncharacterized LOC116408741
## 999	uncharacterized LOC116408744
## 1000	uncharacterized LOC116408743, transcript variant X3
## 1001	uncharacterized LOC116408743, transcript variant X3
## 1002	uncharacterized LOC116408743, transcript variant X3
## 1003	uncharacterized LOC116408746, transcript variant X2
## 1004	uncharacterized LOC116408746, transcript variant X2
## 1005	receptor-interacting serine/threonine-protein kinase 4
## 1006	uncharacterized gene
## 1007	uncharacterized LOC108645746
## 1008	uncharacterized LOC116408660
## 1009	uncharacterized LOC116408749
## 1010	uncharacterized LOC116408750
## 1011	tRNA-Asp
## 1012	tRNA-Val
## 1013	tRNA-Ile
## 1014	tRNA-Asp
## 1015	tRNA-Ile
## 1016	tRNA-Asp
## 1017	uncharacterized LOC108645747
## 1018	uncharacterized LOC108645748
## 1019	small Cajal body-specific RNA 8
## 1020	biotin--protein ligase
## 1021	biotin--protein ligase
## 1022	uncharacterized gene
## 1023	protein dopey-2
## 1024	SET domain containing 4
## 1025	interferon gamma receptor 2 isoform X1
## 1026	uncharacterized LOC116408753
## 1027	uncharacterized LOC116408754
## 1028	uncharacterized LOC105946610
## 1029	uncharacterized LOC116408661
## 1030	uncharacterized LOC116408662
## 1031	microRNA mir-155
## 1032	uncharacterized LOC116408663
## 1033	uncharacterized LOC116408664
## 1034	uncharacterized LOC116408755
## 1035	uncharacterized LOC116408756
## 1036	uncharacterized LOC116408665
## 1037	protein spinster homolog 1-like
## 1038	uncharacterized LOC116408666
## 1039	uncharacterized gene
## 1040	uncharacterized gene

1041 uncharacterized LOC105946601
 ## 1042 uncharacterized LOC116408667
 ## 1043 uncharacterized LOC116408765, transcript variant X3
 ## 1044 uncharacterized LOC116408765, transcript variant X3
 ## 1045 uncharacterized LOC116408765, transcript variant X3
 ## 1046 microRNA mir-99
 ## 1047 microRNA let-7c
 ## 1048 microRNA mir-125b-2
 ## 1049 uncharacterized LOC116408668
 ## 1050 uncharacterized LOC116408669
 ## 1051 uncharacterized LOC116408767
 ## 1052 uncharacterized LOC116408768
 ## 1053 uncharacterized LOC116408670
 ## 1054 uncharacterized LOC116408770
 ## 1055 uncharacterized LOC101731797
 ## 1056 uncharacterized LOC105946638
 ## 1057 uncharacterized LOC116408771
 ## 1058 uncharacterized LOC108645761
 ## 1059 uncharacterized LOC116408671
 ## 1060 uncharacterized LOC116408672
 ## 1061 uncharacterized LOC116408775
 ## 1062 uncharacterized LOC116408773, transcript variant X2
 ## 1063 uncharacterized LOC116408773, transcript variant X2
 ## 1064 uncharacterized LOC116408774, transcript variant X2
 ## 1065 uncharacterized LOC116408774, transcript variant X2
 ## 1066 uncharacterized LOC116408772
 ## 1067 uncharacterized LOC116408776, transcript variant X2
 ## 1068 uncharacterized LOC116408776, transcript variant X2
 ## 1069 anaphase-promoting complex subunit 4-like isoform X1
 ## 1070 uncharacterized LOC116408781
 ## 1071 uncharacterized LOC101731231
 ## 1072 uncharacterized LOC116408786
 ## 1073 uncharacterized LOC116408782
 ## 1074 uncharacterized LOC105946631
 ## 1075 uncharacterized LOC108645759
 ## 1076 uncharacterized LOC116408787
 ## 1077 uncharacterized LOC116408788
 ## 1078 uncharacterized LOC116408783, transcript variant X2
 ## 1079 uncharacterized LOC116408783, transcript variant X2
 ## 1080 uncharacterized LOC116408785
 ## 1081 uncharacterized LOC108645758
 ## 1082 zona pellucida sperm-binding protein 4-like
 ## 1083 uncharacterized LOC116408784
 ## 1084 anaphase-promoting complex subunit 4-like isoform X1
 ## 1085 anaphase-promoting complex subunit 4-like isoform X1
 ## 1086 anaphase-promoting complex subunit 4-like isoform X1
 ## 1087 anaphase-promoting complex subunit 4-like isoform X1
 ## 1088 uncharacterized LOC105946508
 ## 1089 protein kinase C-like
 ## 1090 uncharacterized LOC116408789
 ## 1091 adaptor related protein complex 1 subunit sigma 2
 ## 1092 adaptor related protein complex 1 subunit sigma 2
 ## 1093 adaptor related protein complex 1 subunit sigma 2
 ## 1094 adaptor related protein complex 1 subunit sigma 2

## 1095	adaptor related protein complex 1 subunit sigma 2
## 1096	adaptor related protein complex 1 subunit sigma 2
## 1097	adaptor related protein complex 1 subunit sigma 2
## 1098	uncharacterized LOC116408673
## 1099	uncharacterized LOC116408791
## 1100	uncharacterized LOC116408793
## 1101	uncharacterized LOC108644469, transcript variant X2
## 1102	uncharacterized LOC108644469, transcript variant X2
## 1103	golgi SNAP receptor complex member 1
## 1104	uncharacterized gene
## 1105	uncharacterized LOC116408675
## 1106	uncharacterized LOC116408794
## 1107	uncharacterized LOC101731796
## 1108	uncharacterized gene
## 1109	flotillin 2
## 1110	flotillin 2
## 1111	uncharacterized LOC116408795
## 1112	microRNA mir-144
## 1113	microRNA mir-451
## 1114	coronin-6-like
## 1115	TSR1, ribosome maturation factor, transcript variant X2
## 1116	TSR1, ribosome maturation factor, transcript variant X2
## 1117	uncharacterized LOC116408796
## 1118	microRNA mir-212
## 1119	microRNA mir-132
## 1120	microRNA mir-2184
## 1121	uncharacterized LOC105946500, transcript variant X4
## 1122	uncharacterized LOC105946500, transcript variant X4
## 1123	uncharacterized LOC105946500, transcript variant X4
## 1124	uncharacterized LOC105946500, transcript variant X4
## 1125	uncharacterized LOC116408676
## 1126	small nucleolar RNA U3
## 1127	small nucleolar RNA U3
## 1128	small nucleolar RNA U3
## 1129	small nucleolar RNA U3
## 1130	small nucleolar RNA U3
## 1131	small nucleolar RNA U3
## 1132	small nucleolar RNA U3
## 1133	small nucleolar RNA U3
## 1134	small nucleolar RNA U3
## 1135	small nucleolar RNA U3
## 1136	small nucleolar RNA U3
## 1137	small nucleolar RNA U3
## 1138	small nucleolar RNA U3
## 1139	small nucleolar RNA U3
## 1140	small nucleolar RNA U3
## 1141	small nucleolar RNA U3
## 1142	small nucleolar RNA U3
## 1143	small nucleolar RNA U3
## 1144	small nucleolar RNA U3
## 1145	small nucleolar RNA U3
## 1146	small nucleolar RNA U3
## 1147	small nucleolar RNA U3
## 1148	small nucleolar RNA U3

## 1149	small nucleolar RNA U3
## 1150	small nucleolar RNA U3
## 1151	small nucleolar RNA U3
## 1152	small nucleolar RNA U3
## 1153	small nucleolar RNA U3
## 1154	small nucleolar RNA U3
## 1155	small nucleolar RNA U3
## 1156	small nucleolar RNA U3
## 1157	small nucleolar RNA U3
## 1158	small nucleolar RNA U3
## 1159	small nucleolar RNA U3
## 1160	small nucleolar RNA U3
## 1161	small nucleolar RNA U3
## 1162	small nucleolar RNA U3
## 1163	small nucleolar RNA U3
## 1164	small nucleolar RNA U3
## 1165	small nucleolar RNA U3
## 1166	small nucleolar RNA U3
## 1167	small nucleolar RNA U3
## 1168	small nucleolar RNA U3
## 1169	small nucleolar RNA U3
## 1170	small nucleolar RNA U3
## 1171	small nucleolar RNA U3
## 1172	small nucleolar RNA U3
## 1173	small nucleolar RNA U3
## 1174	small nucleolar RNA U3
## 1175	small nucleolar RNA U3
## 1176	small nucleolar RNA U3
## 1177	small nucleolar RNA U3
## 1178	small nucleolar RNA U3
## 1179	uncharacterized gene
## 1180	small nucleolar RNA U3
## 1181	uncharacterized LOC105946531
## 1182	syntaxin 1A
## 1183	syntaxin 1A
## 1184	caspase recruitment domain family member 18, transcript variant X3
## 1185	caspase recruitment domain family member 18, transcript variant X3
## 1186	caspase recruitment domain family member 18, transcript variant X3
## 1187	uncharacterized LOC116408800
## 1188	microRNA mir-142-1
## 1189	microRNA mir-142-2
## 1190	uncharacterized LOC116408801
## 1191	uncharacterized LOC116408802
## 1192	uncharacterized gene
## 1193	tRNA-Val
## 1194	uncharacterized LOC116408803
## 1195	microRNA mir-22
## 1196	uncharacterized LOC105946505
## 1197	uncharacterized LOC116408804
## 1198	uncharacterized LOC116408805
## 1199	uncharacterized LOC108645763
## 1200	uncharacterized LOC108645762
## 1201	U6 spliceosomal RNA
## 1202	U6 spliceosomal RNA

## 1203	U6 spliceosomal RNA
## 1204	U6 spliceosomal RNA
## 1205	U6 spliceosomal RNA
## 1206	RNA, U6 small nuclear
## 1207	U6 spliceosomal RNA
## 1208	U6 spliceosomal RNA
## 1209	U6 spliceosomal RNA
## 1210	U6 spliceosomal RNA
## 1211	U6 spliceosomal RNA
## 1212	U6 spliceosomal RNA
## 1213	U6 spliceosomal RNA
## 1214	U6 spliceosomal RNA
## 1215	U6 spliceosomal RNA
## 1216	U6 spliceosomal RNA
## 1217	U6 spliceosomal RNA
## 1218	U6 spliceosomal RNA
## 1219	uncharacterized LOC116408677
## 1220	uncharacterized LOC105946523
## 1221	coiled-coil domain containing 92B
## 1222	uncharacterized LOC105946524
## 1223	uncharacterized LOC116408806
## 1224	uncharacterized gene
## 1225	uncharacterized LOC105946529
## 1226	uncharacterized LOC116408807
## 1227	uncharacterized LOC108645765, transcript variant X1
## 1228	uncharacterized LOC108645765, transcript variant X1
## 1229	uncharacterized LOC108645766
## 1230	uncharacterized LOC116408808
## 1231	uncharacterized LOC105948483, transcript variant X2
## 1232	uncharacterized LOC105948483, transcript variant X2
## 1233	uncharacterized LOC116408810
## 1234	uncharacterized gene
## 1235	tRNA-Pro
## 1236	tRNA-Pro
## 1237	tRNA-Pro
## 1238	uncharacterized LOC116408812
## 1239	uncharacterized LOC116408813
## 1240	microRNA mir-205a
## 1241	uncharacterized LOC116408815
## 1242	microRNA mir-29b
## 1243	microRNA mir-29c
## 1244	uncharacterized gene
## 1245	uncharacterized LOC116408679
## 1246	uncharacterized LOC116408680
## 1247	tRNA-Trp
## 1248	tRNA-Trp
## 1249	tRNA-Trp
## 1250	tRNA-Trp
## 1251	tRNA-Trp
## 1252	tRNA-Trp
## 1253	tRNA-Trp
## 1254	tRNA-Trp
## 1255	tRNA-Trp
## 1256	tRNA-Trp

## 1257	tRNA-Trp
## 1258	tRNA-Trp
## 1259	tRNA-Trp
## 1260	tRNA-Trp
## 1261	tRNA-Trp
## 1262	tRNA-Trp
## 1263	tRNA-Trp
## 1264	tRNA-Trp
## 1265	tRNA-Trp
## 1266	tRNA-Trp
## 1267	tRNA-Trp
## 1268	tRNA-Trp
## 1269	tRNA-Trp
## 1270	tRNA-Trp
## 1271	tRNA-Trp
## 1272	tRNA-Trp
## 1273	tRNA-Trp
## 1274	tRNA-Trp
## 1275	tRNA-Trp
## 1276	tRNA-Trp
## 1277	tRNA-Trp
## 1278	tRNA-Trp
## 1279	tRNA-Trp
## 1280	tRNA-Trp
## 1281	tRNA-Trp
## 1282	tRNA-Trp
## 1283	tRNA-Trp
## 1284	tRNA-Trp
## 1285	tRNA-Trp
## 1286	tRNA-Trp
## 1287	tRNA-Trp
## 1288	tRNA-Trp
## 1289	tRNA-Trp
## 1290	tRNA-Trp
## 1291	zinc finger protein 681 isoform X1
## 1292	uncharacterized LOC116408817
## 1293	tripartite motif containing 33
## 1294	myogenin (myogenic factor 4)
## 1295	uncharacterized LOC116408819
## 1296	uncharacterized LOC105948450
## 1297	microRNA mir-222
## 1298	microRNA mir-221
## 1299	uncharacterized LOC108645779
## 1300	uncharacterized LOC116408682
## 1301	U6 spliceosomal RNA
## 1302	uncharacterized LOC116408683
## 1303	protein Wnt-2b
## 1304	uncharacterized LOC116408822
## 1305	microRNA let-7b
## 1306	uncharacterized LOC116408684
## 1307	uncharacterized LOC116408685
## 1308	kinesin-like protein KIF21B isoform X1
## 1309	uncharacterized LOC116408823
## 1310	uncharacterized LOC116408825

## 1311	uncharacterized LOC116408827
## 1312	uncharacterized LOC105945449
## 1313	uncharacterized LOC116408828
## 1314	uncharacterized LOC116408830
## 1315	uncharacterized LOC105948383, transcript variant X2
## 1316	uncharacterized LOC105948383, transcript variant X2
## 1317	uncharacterized LOC116408831
## 1318	uncharacterized LOC105948385
## 1319	uncharacterized LOC108645776
## 1320	uncharacterized LOC105948363
## 1321	uncharacterized LOC116408832
## 1322	uncharacterized LOC116408833
## 1323	chitinase-like, acidic
## 1324	uncharacterized LOC105948334
## 1325	cytochrome b561 domain-containing protein 1 isoform X2
## 1326	uncharacterized LOC116408834
## 1327	uncharacterized LOC116408835
## 1328	kelch domain containing 8A
## 1329	tRNA-Trp
## 1330	tRNA-Trp
## 1331	uncharacterized LOC116408837
## 1332	microRNA mir-135-2
## 1333	uncharacterized LOC116408838, transcript variant X4
## 1334	uncharacterized LOC116408838, transcript variant X4
## 1335	uncharacterized LOC116408838, transcript variant X4
## 1336	uncharacterized LOC116408838, transcript variant X4
## 1337	uncharacterized LOC116408839
## 1338	uncharacterized LOC101732619
## 1339	uncharacterized LOC116408686
## 1340	uncharacterized LOC116408840
## 1341	ras association domain-containing protein 5 isoform X2
## 1342	tRNA-Gly
## 1343	tRNA-Lys
## 1344	tRNA-Gly
## 1345	tRNA-Gly
## 1346	tRNA-Lys
## 1347	tRNA-Gly
## 1348	tRNA-Gly
## 1349	tRNA-Lys
## 1350	tRNA-Gly
## 1351	tRNA-Gly
## 1352	tRNA-Lys
## 1353	tRNA-Gly
## 1354	tRNA-Gly
## 1355	tRNA-Lys
## 1356	tRNA-Gly
## 1357	tRNA-Gly
## 1358	tRNA-Lys
## 1359	tRNA-Gly
## 1360	tRNA-Gly
## 1361	tRNA-Lys
## 1362	tRNA-Gly
## 1363	tRNA-Gly
## 1364	tRNA-Lys

## 1365	tRNA-Gly
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## 1367	tRNA-Lys
## 1368	tRNA-Gly
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## 1370	tRNA-Lys
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## 1372	tRNA-Gly
## 1373	tRNA-Lys
## 1374	tRNA-Gly
## 1375	tRNA-Lys
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## 1377	tRNA-Gly
## 1378	tRNA-Lys
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## 1380	tRNA-Gly
## 1381	tRNA-Lys
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## 1384	tRNA-Lys
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## 1390	tRNA-Lys
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## 1392	tRNA-Gly
## 1393	tRNA-Lys
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## 1417	tRNA-Lys
## 1418	tRNA-Gly

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## 1434	tRNA-Lys
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## 1436	tRNA-Gly
## 1437	tRNA-Lys
## 1438	tRNA-Gly
## 1439	tRNA-Lys
## 1440	tRNA-Gly
## 1441	tRNA-Gly
## 1442	tRNA-Lys
## 1443	tRNA-Gly
## 1444	tRNA-Gly
## 1445	tRNA-Lys
## 1446	serine/arginine-rich splicing factor 1
## 1447	uncharacterized LOC116408842
## 1448	uncharacterized LOC116408687
## 1449	uncharacterized LOC100496400
## 1450	uncharacterized LOC116408690
## 1451	uncharacterized LOC116408691
## 1452	uncharacterized LOC100493216
## 1453	uncharacterized LOC105946735, transcript variant X1
## 1454	uncharacterized LOC105946735, transcript variant X1
## 1455	AT-hook DNA-binding motif-containing protein 1
## 1456	AT-hook DNA-binding motif-containing protein 1
## 1457	AT-hook DNA-binding motif-containing protein 1
## 1458	uncharacterized gene
## 1459	U11 spliceosomal RNA
## 1460	uncharacterized LOC116408845
## 1461	cAMP-dependent protein kinase inhibitor beta
## 1462	small Cajal body-specific RNA 1
## 1463	uncharacterized gene
## 1464	uncharacterized gene
## 1465	uncharacterized LOC116408846
## 1466	uncharacterized LOC116408847, transcript variant X3
## 1467	uncharacterized LOC116408847, transcript variant X3
## 1468	uncharacterized LOC116408847, transcript variant X3
## 1469	microRNA mir-133d
## 1470	microRNA mir-1b
## 1471	splicing factor proline and glutamine rich
## 1472	splicing factor proline and glutamine rich

## 1473	uncharacterized LOC116408692
## 1474	uncharacterized LOC116408848
## 1475	uncharacterized LOC116408849
## 1476	uncharacterized protein LOC100495928
## 1477	uncharacterized protein LOC100495928
## 1478	uncharacterized protein LOC100495928
## 1479	uncharacterized protein LOC100495928
## 1480	small nucleolar RNA SNORD103/SNORD85
## 1481	small nucleolar RNA SNORD103/SNORD85
## 1482	small nucleolar RNA SNORD103/SNORD85
## 1483	small nucleolar RNA SNORD103/SNORD85
## 1484	small nucleolar RNA SNORD103/SNORD85
## 1485	small nucleolar RNA SNORD103/SNORD85
## 1486	small nucleolar RNA SNORD103/SNORD85
## 1487	small nucleolar RNA SNORD103/SNORD85
## 1488	uncharacterized LOC116408693
## 1489	uncharacterized LOC116408850
## 1490	uncharacterized LOC116408851, transcript variant X2
## 1491	uncharacterized LOC116408851, transcript variant X2
## 1492	BSD domain containing 1
## 1493	microRNA mir-30e
## 1494	microRNA mir-30c-1
## 1495	uncharacterized LOC116408694
## 1496	uncharacterized LOC116408852
## 1497	uncharacterized LOC105946488
## 1498	uncharacterized LOC105946489
## 1499	uncharacterized LOC105946490
## 1500	uncharacterized LOC108645861
## 1501	tRNA-Asp
## 1502	uncharacterized LOC105946707
## 1503	uncharacterized LOC116408853
## 1504	tRNA isopentenyltransferase 1
## 1505	poly(A) binding protein cytoplasmic 4
## 1506	poly(A) binding protein cytoplasmic 4
## 1507	poly(A) binding protein cytoplasmic 4
## 1508	small nucleolar RNA SNORA55
## 1509	small nucleolar RNA SNORA55
## 1510	small nucleolar RNA Z17
## 1511	small nucleolar RNA Z17
## 1512	small nucleolar RNA SNORD42
## 1513	small nucleolar RNA SNORD42
## 1514	uncharacterized LOC116408854
## 1515	uncharacterized protein LOC100490302
## 1516	uncharacterized LOC101731276
## 1517	uncharacterized LOC101731542
## 1518	Z30 small nucleolar RNA
## 1519	uncharacterized LOC108645863
## 1520	uncharacterized LOC116408855
## 1521	spindle and kinetochore-associated protein 2
## 1522	spindle and kinetochore-associated protein 2
## 1523	spindle and kinetochore-associated protein 2
## 1524	spindle and kinetochore-associated protein 2
## 1525	spindle and kinetochore-associated protein 2
## 1526	spindle and kinetochore-associated protein 2

## 1527	microRNA mir-130a
## 1528	microRNA mir-301-1
## 1529	uncharacterized LOC116408856
## 1530	uncharacterized gene
## 1531	U4 spliceosomal RNA
## 1532	U4 spliceosomal RNA
## 1533	U4 spliceosomal RNA
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## 1712	U4 spliceosomal RNA
## 1713	U4 spliceosomal RNA
## 1714	U4 spliceosomal RNA
## 1715	lamina-associated polypeptide 2, isoforms alpha/zeta isoform X5
## 1716	lamina-associated polypeptide 2, isoforms alpha/zeta isoform X5
## 1717	lamina-associated polypeptide 2, isoforms alpha/zeta isoform X5
## 1718	lamina-associated polypeptide 2, isoforms alpha/zeta isoform X5
## 1719	uncharacterized LOC116408857
## 1720	small nucleolar RNA SNORA22
## 1721	small nucleolar RNA SNORA22
## 1722	small nucleolar RNA SNORA15
## 1723	small nucleolar RNA SNORA15
## 1724	uncharacterized LOC100486074, transcript variant X9
## 1725	uncharacterized LOC100486074, transcript variant X9
## 1726	uncharacterized LOC100486074, transcript variant X9
## 1727	uncharacterized LOC100486074, transcript variant X9
## 1728	uncharacterized LOC100486074, transcript variant X9
## 1729	uncharacterized LOC100486074, transcript variant X9
## 1730	uncharacterized LOC100486074, transcript variant X9
## 1731	uncharacterized LOC100486074, transcript variant X9
## 1732	uncharacterized LOC100486074, transcript variant X9
## 1733	small nucleolar RNA SNORA40
## 1734	small nucleolar RNA SNORA18
## 1735	small nucleolar RNA SNORA8
## 1736	small nucleolar RNA SNORA40
## 1737	small nucleolar RNA SNORA18
## 1738	small nucleolar RNA SNORA8
## 1739	uncharacterized LOC116408859
## 1740	spinstar homolog 2
## 1741	tRNA-Cys
## 1742	uncharacterized gene

1743 uncharacterized LOC116408862
 ## 1744 uncharacterized LOC116408863
 ## 1745 PEST proteolytic signal-containing nuclear protein isoform X1
 ## 1746 uncharacterized LOC101732801
 ## 1747 uncharacterized LOC116408865
 ## 1748 uncharacterized LOC116408697
 ## 1749 uncharacterized LOC108645799
 ## 1750 uncharacterized LOC105946715, transcript variant X2
 ## 1751 uncharacterized LOC105946715, transcript variant X2
 ## 1752 uncharacterized LOC116408698
 ## 1753 uncharacterized LOC116408868
 ## 1754 uncharacterized LOC116408869
 ## 1755 uncharacterized gene
 ## 1756 uncharacterized LOC101734081, transcript variant X2
 ## 1757 uncharacterized LOC101734081, transcript variant X2
 ## 1758 uncharacterized LOC105946538
 ## 1759 gamma-tubulin complex component 5 isoform X1
 ## 1760 protein phosphatase 2 regulatory subunit B', beta
 ## 1761 uncharacterized LOC105946716
 ## 1762 uncharacterized LOC116408699
 ## 1763 uncharacterized LOC108645803
 ## 1764 uncharacterized LOC116408700
 ## 1765 uncharacterized LOC105946572
 ## 1766 tripeptidyl-peptidase 2 isoform X1
 ## 1767 uncharacterized LOC105946539
 ## 1768 dedicator of cytokinesis protein 9 isoform X6
 ## 1769 uncharacterized LOC116408701
 ## 1770 uncharacterized LOC116408873
 ## 1771 microRNA mir-92a-1
 ## 1772 microRNA mir-19b-2
 ## 1773 microRNA mir-20a
 ## 1774 microRNA mir-19a
 ## 1775 microRNA mir-18a
 ## 1776 microRNA mir-17
 ## 1777 uncharacterized LOC116408702
 ## 1778 uncharacterized LOC116408874
 ## 1779 uncharacterized LOC101732680
 ## 1780 uncharacterized LOC105946542, transcript variant X2
 ## 1781 uncharacterized LOC105946542, transcript variant X2
 ## 1782 uncharacterized LOC105946542, transcript variant X2
 ## 1783 uncharacterized LOC105946545, transcript variant X2
 ## 1784 uncharacterized LOC105946545, transcript variant X2
 ## 1785 uncharacterized LOC116408875
 ## 1786 uncharacterized LOC116408703
 ## 1787 uncharacterized LOC116408876
 ## 1788 uncharacterized LOC116408878
 ## 1789 uncharacterized LOC116408879
 ## 1790 uncharacterized LOC116408880
 ## 1791 U6 spliceosomal RNA
 ## 1792 tRNA-Glu
 ## 1793 uncharacterized LOC116408881
 ## 1794 uncharacterized LOC116408704, transcript variant X2
 ## 1795 uncharacterized LOC116408704, transcript variant X2
 ## 1796 uncharacterized LOC108645809

## 1797	small nucleolar RNA SNORA31
## 1798	uncharacterized gene
## 1799	uncharacterized LOC105946550
## 1800	formin-like protein 3 isoform X3
## 1801	small nucleolar RNA SNORA2/SNORA34 family
## 1802	small nucleolar RNA SNORA2/SNORA34 family
## 1803	uncharacterized LOC116408705
## 1804	tRNA-Ser
## 1805	uncharacterized LOC100493542
## 1806	uncharacterized LOC105946554
## 1807	small nucleolar RNA SNORD59
## 1808	small nucleolar RNA SNORD59
## 1809	small nucleolar RNA SNORD59
## 1810	uncharacterized LOC116408882
## 1811	uncharacterized LOC100493721
## 1812	uncharacterized gene
## 1813	uncharacterized LOC105946557, transcript variant X2
## 1814	uncharacterized LOC105946557, transcript variant X2
## 1815	uncharacterized gene
## 1816	tetraspanin 31
## 1817	microRNA mir-26-1
## 1818	uncharacterized LOC105946562
## 1819	uncharacterized LOC116408706
## 1820	uncharacterized LOC116408885
## 1821	uncharacterized gene
## 1822	uncharacterized LOC108645815
## 1823	microRNA mir-148b
## 1824	heterogeneous nuclear ribonucleoprotein A1
## 1825	heterogeneous nuclear ribonucleoprotein A1
## 1826	heterogeneous nuclear ribonucleoprotein A1
## 1827	heterogeneous nuclear ribonucleoprotein A1
## 1828	heterogeneous nuclear ribonucleoprotein A1
## 1829	heterogeneous nuclear ribonucleoprotein A1
## 1830	microRNA mir-10c
## 1831	uncharacterized LOC105946563
## 1832	uncharacterized LOC116408887
## 1833	microRNA mir-196a
## 1834	uncharacterized LOC105946564
## 1835	uncharacterized LOC116408886
## 1836	extended synaptotagmin-1-like
## 1837	uncharacterized LOC116408888
## 1838	uncharacterized LOC116408889
## 1839	uncharacterized LOC100488892, transcript variant X3
## 1840	uncharacterized LOC100488892, transcript variant X3
## 1841	uncharacterized LOC100488892, transcript variant X3
## 1842	uncharacterized LOC116408891
## 1843	microRNA mir-16a
## 1844	microRNA mir-15a
## 1845	uncharacterized LOC108645818
## 1846	uncharacterized LOC116408711
## 1847	uncharacterized gene
## 1848	uncharacterized LOC116408713
## 1849	serine-rich and transmembrane domain-containing protein 1
## 1850	uncharacterized LOC116408893

1851 uncharacterized LOC100496274
 ## 1852 uncharacterized LOC116408894
 ## 1853 uncharacterized gene
 ## 1854 uncharacterized LOC105946588, transcript variant X3
 ## 1855 uncharacterized LOC105946588, transcript variant X3
 ## 1856 uncharacterized LOC105946588, transcript variant X3
 ## 1857 tRNA-Glu
 ## 1858 tRNA-Asn
 ## 1859 tRNA-Val
 ## 1860 small nucleolar RNA SNORA27
 ## 1861 uncharacterized LOC105946590
 ## 1862 uncharacterized LOC116408895
 ## 1863 uncharacterized LOC101731007
 ## 1864 uncharacterized LOC105946592
 ## 1865 uncharacterized LOC116408896
 ## 1866 uncharacterized LOC101731949
 ## 1867 rho GTPase-activating protein 42 isoform X1
 ## 1868 rho GTPase-activating protein 42 isoform X1
 ## 1869 rho GTPase-activating protein 42 isoform X1
 ## 1870 rho GTPase-activating protein 42 isoform X1
 ## 1871 rho GTPase-activating protein 42 isoform X1
 ## 1872 uncharacterized protein LOC101730439
 ## 1873 large tumor suppressor kinase 2
 ## 1874 uncharacterized LOC108645819, transcript variant X4
 ## 1875 uncharacterized LOC108645819, transcript variant X4
 ## 1876 uncharacterized LOC108645819, transcript variant X4
 ## 1877 uncharacterized LOC108645819, transcript variant X4
 ## 1878 protein mono-ADP-ribosyltransferase PARP4
 ## 1879 paraspeckle component 1 isoform X1
 ## 1880 paraspeckle component 1 isoform X1
 ## 1881 paraspeckle component 1 isoform X1
 ## 1882 uncharacterized LOC116408715
 ## 1883 uncharacterized gene
 ## 1884 uncharacterized gene
 ## 1885 uncharacterized LOC116408902
 ## 1886 uncharacterized LOC108645871
 ## 1887 uncharacterized gene
 ## 1888 uncharacterized LOC116408907
 ## 1889 uncharacterized LOC108645827, transcript variant X7
 ## 1890 uncharacterized LOC108645827, transcript variant X7
 ## 1891 uncharacterized LOC108645827, transcript variant X7
 ## 1892 uncharacterized LOC108645827, transcript variant X7
 ## 1893 uncharacterized LOC108645827, transcript variant X7
 ## 1894 uncharacterized LOC108645827, transcript variant X7
 ## 1895 uncharacterized LOC108645827, transcript variant X7
 ## 1896 uncharacterized LOC116408905
 ## 1897 uncharacterized LOC116408908
 ## 1898 uncharacterized LOC116408904
 ## 1899 uncharacterized LOC101733021
 ## 1900 uncharacterized LOC116408906
 ## 1901 uncharacterized LOC101731548
 ## 1902 uncharacterized LOC116408909
 ## 1903 small nucleolar RNA U2-19
 ## 1904 CREB/ATF bZIP transcription factor

1905 small nucleolar RNA SNORD15
 ## 1906 small nucleolar RNA SNORD15
 ## 1907 small nucleolar RNA SNORD15
 ## 1908 small nucleolar RNA SNORD15
 ## 1909 uncharacterized gene
 ## 1910 tRNA-Pro
 ## 1911 uncharacterized LOC116408917
 ## 1912 uncharacterized LOC116408716
 ## 1913 uncharacterized LOC116408648
 ## 1914 uncharacterized LOC116408647, transcript variant X2
 ## 1915 uncharacterized LOC116408647, transcript variant X2
 ## 1916 uncharacterized LOC116408644
 ## 1917 proteasomal ATPase-associated factor 1 isoform X1
 ## 1918 proteasomal ATPase-associated factor 1 isoform X1
 ## 1919 uncharacterized LOC105946619
 ## 1920 uncharacterized LOC105946618
 ## 1921 uncharacterized LOC116408640, transcript variant X4
 ## 1922 uncharacterized LOC116408640, transcript variant X4
 ## 1923 uncharacterized LOC116408640, transcript variant X4
 ## 1924 uncharacterized LOC116408640, transcript variant X4
 ## 1925 proteasomal ATPase-associated factor 1 isoform X1
 ## 1926 proteasomal ATPase-associated factor 1 isoform X1
 ## 1927 uncharacterized LOC116408657
 ## 1928 uncharacterized LOC116408642, transcript variant X2
 ## 1929 uncharacterized LOC116408642, transcript variant X2
 ## 1930 uncharacterized LOC105946617, transcript variant X2
 ## 1931 uncharacterized LOC105946617, transcript variant X2
 ## 1932 uncharacterized gene
 ## 1933 uncharacterized gene
 ## 1934 uncharacterized LOC116408635, transcript variant X4
 ## 1935 uncharacterized LOC116408635, transcript variant X4
 ## 1936 uncharacterized LOC116408635, transcript variant X4
 ## 1937 uncharacterized LOC116408635, transcript variant X4
 ## 1938 uncharacterized LOC116408645, transcript variant X2
 ## 1939 uncharacterized LOC116408645, transcript variant X2
 ## 1940 uncharacterized LOC116408643
 ## 1941 uncharacterized LOC116408658
 ## 1942 uncharacterized LOC116408637
 ## 1943 uncharacterized LOC116408649, transcript variant X2
 ## 1944 uncharacterized LOC116408649, transcript variant X2
 ## 1945 uncharacterized LOC116408639, transcript variant X2
 ## 1946 uncharacterized LOC116408639, transcript variant X2
 ## 1947 uncharacterized LOC116408638, transcript variant X2
 ## 1948 uncharacterized LOC116408638, transcript variant X2
 ## 1949 uncharacterized LOC116408636
 ## 1950 uncharacterized LOC116408653
 ## 1951 uncharacterized LOC116408650, transcript variant X2
 ## 1952 uncharacterized LOC116408650, transcript variant X2
 ## 1953 uncharacterized LOC105946620
 ## 1954 uncharacterized LOC116408646
 ## 1955 uncharacterized LOC116408641
 ## 1956 uncharacterized LOC116408656, transcript variant X2
 ## 1957 uncharacterized LOC116408656, transcript variant X2
 ## 1958 uncharacterized LOC105946622

1959 uncharacterized LOC116408655
 ## 1960 uncharacterized protein LOC101733677
 ## 1961 uncharacterized LOC101734525
 ## 1962 uncharacterized LOC116408652
 ## 1963 uncharacterized LOC116408654
 ## 1964 uncharacterized LOC116408651, transcript variant X2
 ## 1965 uncharacterized LOC116408651, transcript variant X2
 ## 1966 autophagy-related protein 16-2 isoform X1
 ## 1967 uncharacterized gene
 ## 1968 uncharacterized LOC116408717
 ## 1969 uncharacterized LOC116408924
 ## 1970 uncharacterized LOC101734567, transcript variant X2
 ## 1971 uncharacterized LOC101734567, transcript variant X2
 ## 1972 uncharacterized LOC101734358
 ## 1973 uncharacterized LOC116408920, transcript variant X3
 ## 1974 uncharacterized LOC116408920, transcript variant X3
 ## 1975 uncharacterized LOC116408920, transcript variant X3
 ## 1976 uncharacterized LOC116408921
 ## 1977 uncharacterized LOC105946621
 ## 1978 uncharacterized LOC105945784, transcript variant X2
 ## 1979 uncharacterized LOC105945784, transcript variant X2
 ## 1980 uncharacterized LOC116408922, transcript variant X7
 ## 1981 uncharacterized LOC116408922, transcript variant X7
 ## 1982 uncharacterized LOC116408922, transcript variant X7
 ## 1983 uncharacterized LOC116408922, transcript variant X7
 ## 1984 uncharacterized LOC116408922, transcript variant X7
 ## 1985 uncharacterized LOC116408922, transcript variant X7
 ## 1986 uncharacterized LOC116408922, transcript variant X7
 ## 1987 uncharacterized LOC101731085
 ## 1988 microRNA mir-139
 ## 1989 uncharacterized LOC116408923, transcript variant X3
 ## 1990 uncharacterized LOC116408923, transcript variant X3
 ## 1991 uncharacterized LOC116408923, transcript variant X3
 ## 1992 uncharacterized LOC101733363, transcript variant X2
 ## 1993 uncharacterized LOC101733363, transcript variant X2
 ## 1994 uncharacterized LOC116408925
 ## 1995 uncharacterized LOC105945550
 ## 1996 uncharacterized LOC100490566
 ## 1997 uncharacterized LOC116408721
 ## 1998 uncharacterized LOC116408928
 ## 1999 uncharacterized LOC116408929
 ## 2000 vomeronasal type-2 receptor 26-like
 ## 2001 vomeronasal type-2 receptor 26-like
 ## 2002 vomeronasal type-2 receptor 26-like
 ## 2003 vomeronasal type-2 receptor 26-like
 ## 2004 uncharacterized LOC116408931
 ## 2005 vomeronasal type-2 receptor 26
 ## 2006 vomeronasal type-2 receptor 26-like
 ## 2007 vomeronasal type-2 receptor 26-like
 ## 2008 vomeronasal type-2 receptor 26
 ## 2009 vomeronasal type-2 receptor 26
 ## 2010 vomeronasal type-2 receptor 26
 ## 2011 vomeronasal type-2 receptor 26-like
 ## 2012 vomeronasal type-2 receptor 26-like

## 2013	uncharacterized gene
## 2014	vomeronasal type-2 receptor 26
## 2015	vomeronasal type-2 receptor 26
## 2016	vomeronasal type-2 receptor 26-like
## 2017	vomeronasal type-2 receptor 26
## 2018	vomeronasal type-2 receptor 26
## 2019	uncharacterized LOC116408936
## 2020	uncharacterized gene
## 2021	uncharacterized gene
## 2022	5S ribosomal RNA
## 2023	uncharacterized gene
## 2024	5S ribosomal RNA
## 2025	5S ribosomal RNA
## 2026	5S ribosomal RNA
## 2027	5S ribosomal RNA
## 2028	5S ribosomal RNA
## 2029	uncharacterized gene
## 2030	5S ribosomal RNA
## 2031	5S ribosomal RNA
## 2032	uncharacterized gene
## 2033	5S ribosomal RNA
## 2034	uncharacterized gene
## 2035	5S ribosomal RNA
## 2036	uncharacterized gene
## 2037	uncharacterized gene
## 2038	uncharacterized gene
## 2039	5S ribosomal RNA
## 2040	5S ribosomal RNA
## 2041	uncharacterized gene
## 2042	uncharacterized gene
## 2043	uncharacterized gene
## 2044	5S ribosomal RNA
## 2045	5S ribosomal RNA
## 2046	5S ribosomal RNA
## 2047	5S ribosomal RNA
## 2048	5S ribosomal RNA
## 2049	5S ribosomal RNA
## 2050	5S ribosomal RNA
## 2051	5S ribosomal RNA
## 2052	uncharacterized gene
## 2053	uncharacterized gene
## 2054	5S ribosomal RNA
## 2055	5S ribosomal RNA
## 2056	uncharacterized gene
## 2057	uncharacterized gene
## 2058	5S ribosomal RNA
## 2059	5S ribosomal RNA
## 2060	uncharacterized gene
## 2061	5S ribosomal RNA
## 2062	5S ribosomal RNA
## 2063	uncharacterized gene
## 2064	uncharacterized gene
## 2065	5S ribosomal RNA
## 2066	uncharacterized gene

## 2067	uncharacterized gene
## 2068	5S ribosomal RNA
## 2069	5S ribosomal RNA
## 2070	5S ribosomal RNA
## 2071	uncharacterized gene
## 2072	5S ribosomal RNA
## 2073	5S ribosomal RNA
## 2074	5S ribosomal RNA
## 2075	uncharacterized gene
## 2076	5S ribosomal RNA
## 2077	5S ribosomal RNA
## 2078	uncharacterized gene
## 2079	5S ribosomal RNA
## 2080	5S ribosomal RNA
## 2081	5S ribosomal RNA
## 2082	5S ribosomal RNA
## 2083	5S ribosomal RNA
## 2084	5S ribosomal RNA
## 2085	5S ribosomal RNA
## 2086	uncharacterized gene
## 2087	5S ribosomal RNA
## 2088	uncharacterized gene
## 2089	uncharacterized gene
## 2090	uncharacterized gene
## 2091	5S ribosomal RNA
## 2092	uncharacterized gene
## 2093	uncharacterized gene
## 2094	5S ribosomal RNA
## 2095	uncharacterized gene
## 2096	uncharacterized gene
## 2097	uncharacterized gene
## 2098	5S ribosomal RNA
## 2099	uncharacterized gene
## 2100	5S ribosomal RNA
## 2101	uncharacterized gene
## 2102	uncharacterized gene
## 2103	uncharacterized gene
## 2104	5S ribosomal RNA
## 2105	uncharacterized gene
## 2106	uncharacterized gene
## 2107	5S ribosomal RNA
## 2108	5S ribosomal RNA
## 2109	5S ribosomal RNA
## 2110	5S ribosomal RNA
## 2111	5S ribosomal RNA
## 2112	5S ribosomal RNA
## 2113	5S ribosomal RNA
## 2114	5S ribosomal RNA
## 2115	5S ribosomal RNA
## 2116	uncharacterized gene
## 2117	5S ribosomal RNA
## 2118	5S ribosomal RNA
## 2119	5S ribosomal RNA
## 2120	5S ribosomal RNA

## 2121	uncharacterized gene
## 2122	5S ribosomal RNA
## 2123	5S ribosomal RNA
## 2124	uncharacterized gene
## 2125	5S ribosomal RNA
## 2126	5S ribosomal RNA
## 2127	uncharacterized LOC116408940
## 2128	solute carrier organic anion transporter family member 1A2
## 2129	solute carrier organic anion transporter family member 1A2
## 2130	nuclear receptor-interacting protein 3 isoform X1
## 2131	nuclear receptor-interacting protein 3 isoform X1
## 2132	uncharacterized LOC105945982
## 2133	uncharacterized LOC116409666
## 2134	uncharacterized LOC116409671
## 2135	uncharacterized LOC116409672
## 2136	uncharacterized LOC105945878, transcript variant X2
## 2137	uncharacterized LOC105945878, transcript variant X2
## 2138	microRNA let-7e-2
## 2139	uncharacterized gene
## 2140	uncharacterized LOC116409674
## 2141	U2 spliceosomal RNA
## 2142	hemagglutinin/amebocyte aggregation factor isoform X1
## 2143	small nucleolar RNA U3
## 2144	small nucleolar RNA U3
## 2145	uncharacterized LOC116409455
## 2146	small nucleolar RNA U3
## 2147	small nucleolar RNA U3
## 2148	small nucleolar RNA U3
## 2149	uncharacterized LOC101731742
## 2150	tRNA-Arg
## 2151	uncharacterized LOC116409456
## 2152	uncharacterized LOC116409457
## 2153	small nucleolar RNA U3
## 2154	small nucleolar RNA U3
## 2155	small nucleolar RNA U3
## 2156	small nucleolar RNA U3
## 2157	tRNA-Arg
## 2158	tRNA-Arg
## 2159	tRNA-Arg
## 2160	tRNA-Arg
## 2161	tRNA-Arg
## 2162	tRNA-Arg
## 2163	tRNA-Arg
## 2164	tRNA-Arg
## 2165	tRNA-Arg
## 2166	tRNA-Arg
## 2167	tRNA-Arg
## 2168	tRNA-Arg
## 2169	tRNA-Arg
## 2170	tRNA-Arg
## 2171	tRNA-Arg
## 2172	tRNA-Arg
## 2173	tRNA-Arg
## 2174	tRNA-Arg

2175 tRNA-Arg
 ## 2176 tRNA-Arg
 ## 2177 tRNA-Arg
 ## 2178 uncharacterized LOC101731549
 ## 2179 ELKS/RAB6-interacting/CAST family member 1
 ## 2180 uncharacterized gene
 ## 2181 uncharacterized LOC116409684
 ## 2182 uncharacterized LOC116409458, transcript variant X2
 ## 2183 uncharacterized LOC116409458, transcript variant X2
 ## 2184 uncharacterized LOC116409459
 ## 2185 uncharacterized LOC116409685
 ## 2186 uncharacterized LOC116409686
 ## 2187 uncharacterized LOC101730684
 ## 2188 glutamate receptor 1 isoform X3
 ## 2189 uncharacterized gene
 ## 2190 uncharacterized LOC116409687
 ## 2191 tRNA-Ser
 ## 2192 uncharacterized LOC116409689, transcript variant X2
 ## 2193 uncharacterized LOC116409689, transcript variant X2
 ## 2194 uncharacterized LOC101734944
 ## 2195 uncharacterized LOC105946922
 ## 2196 uncharacterized LOC116409462
 ## 2197 uncharacterized LOC116409690, transcript variant X3
 ## 2198 uncharacterized LOC116409690, transcript variant X3
 ## 2199 uncharacterized LOC116409690, transcript variant X3
 ## 2200 uncharacterized LOC101731685
 ## 2201 intraflagellar transport protein 22 homolog
 ## 2202 uncharacterized LOC108646293
 ## 2203 uncharacterized LOC116409691
 ## 2204 uncharacterized LOC116409692, transcript variant X2
 ## 2205 uncharacterized LOC116409692, transcript variant X2
 ## 2206 uncharacterized LOC116409693
 ## 2207 uncharacterized LOC105946802
 ## 2208 uncharacterized LOC116409694
 ## 2209 uncharacterized LOC116409695
 ## 2210 uncharacterized gene
 ## 2211 antioxidant 1 copper chaperone
 ## 2212 antioxidant 1 copper chaperone
 ## 2213 antioxidant 1 copper chaperone
 ## 2214 proton-coupled amino acid transporter 1 isoform X1
 ## 2215 proton-coupled amino acid transporter 1 isoform X1
 ## 2216 microRNA mir-9406
 ## 2217 uncharacterized LOC100495195
 ## 2218 hepatitis A virus cellular receptor 1 homolog isoform X3
 ## 2219 uncharacterized LOC105946924
 ## 2220 uncharacterized LOC100495624, transcript variant X8
 ## 2221 uncharacterized LOC100495624, transcript variant X8
 ## 2222 uncharacterized LOC100495624, transcript variant X8
 ## 2223 uncharacterized LOC100495624, transcript variant X8
 ## 2224 uncharacterized LOC100495624, transcript variant X8
 ## 2225 uncharacterized LOC100495624, transcript variant X8
 ## 2226 uncharacterized LOC100495624, transcript variant X8
 ## 2227 uncharacterized LOC100495624, transcript variant X8
 ## 2228 uncharacterized LOC101733543

## 2229	uncharacterized LOC116409697
## 2230	uncharacterized LOC116409699
## 2231	uncharacterized LOC116409700
## 2232	uncharacterized LOC116409701
## 2233	uncharacterized LOC105946797
## 2234	uncharacterized LOC116409463
## 2235	uncharacterized LOC105946788
## 2236	uncharacterized gene
## 2237	uncharacterized LOC105946789, transcript variant X2
## 2238	uncharacterized LOC105946789, transcript variant X2
## 2239	uncharacterized LOC116409465
## 2240	uncharacterized LOC116409466
## 2241	uncharacterized protein LOC101734158
## 2242	uncharacterized protein LOC101734158
## 2243	uncharacterized protein LOC101734158
## 2244	uncharacterized LOC105946784, transcript variant X5
## 2245	uncharacterized LOC105946784, transcript variant X5
## 2246	uncharacterized LOC105946784, transcript variant X5
## 2247	uncharacterized LOC105946784, transcript variant X5
## 2248	uncharacterized LOC105946784, transcript variant X5
## 2249	uncharacterized LOC116409660
## 2250	microRNA mir-146a
## 2251	uncharacterized gene
## 2252	uncharacterized gene
## 2253	hyaluronan-mediated motility receptor-like
## 2254	uncharacterized gene
## 2255	uncharacterized gene
## 2256	uncharacterized LOC108646295
## 2257	uncharacterized LOC108646296
## 2258	uncharacterized LOC105946792, transcript variant X1
## 2259	uncharacterized LOC105946792, transcript variant X1
## 2260	uncharacterized LOC105946791
## 2261	uncharacterized LOC116409472
## 2262	protocadherin alpha-5
## 2263	uncharacterized gene
## 2264	uncharacterized LOC116409707
## 2265	RELT-like 2
## 2266	uncharacterized gene
## 2267	uncharacterized LOC116409476
## 2268	uncharacterized LOC105946800
## 2269	uncharacterized gene
## 2270	uncharacterized gene
## 2271	protein FAM13B
## 2272	microRNA mir-218-2
## 2273	microRNA mir-103-1
## 2274	uncharacterized LOC116409709
## 2275	uncharacterized LOC108646150
## 2276	uncharacterized LOC116409710
## 2277	uncharacterized LOC116409711
## 2278	uncharacterized LOC116409712
## 2279	uncharacterized LOC105946809
## 2280	uncharacterized LOC116409714
## 2281	prolyl 4-hydroxylase, alpha polypeptide 2
## 2282	uncharacterized LOC105945983

## 2283	uncharacterized LOC105946806
## 2284	tRNA-Gly
## 2285	tRNA-Gly
## 2286	tRNA-Gly
## 2287	tRNA-Thr
## 2288	uncharacterized LOC100495377, transcript variant X2
## 2289	uncharacterized LOC100495377, transcript variant X2
## 2290	small nucleolar RNA SNORD50
## 2291	small nucleolar RNA SNORD50
## 2292	small nucleolar RNA SNORD34
## 2293	small nucleolar RNA SNORD35
## 2294	small nucleolar RNA SNORD35
## 2295	small nucleolar RNA SNORD35
## 2296	small nucleolar RNA SNORD50
## 2297	small nucleolar RNA SNORD50
## 2298	uncharacterized LOC101733648
## 2299	microRNA mir-145
## 2300	microRNA mir-143
## 2301	uncharacterized LOC116409716
## 2302	uncharacterized gene
## 2303	uncharacterized LOC116409717
## 2304	uncharacterized gene
## 2305	uncharacterized LOC116409479
## 2306	uncharacterized LOC116409718
## 2307	vomeronasal type-2 receptor 26-like
## 2308	uncharacterized gene
## 2309	uncharacterized LOC116409719
## 2310	uncharacterized gene
## 2311	uncharacterized LOC116409723
## 2312	uncharacterized LOC108646273
## 2313	uncharacterized LOC100491057
## 2314	uncharacterized LOC116409727
## 2315	lateral signaling target protein 2 homolog isoform X1
## 2316	U5 spliceosomal RNA
## 2317	uncharacterized LOC108646152
## 2318	uncharacterized LOC105946815
## 2319	uncharacterized LOC108646154
## 2320	apoptotic protease-activating factor 1
## 2321	uncharacterized LOC116409729
## 2322	uncharacterized LOC116409730
## 2323	uncharacterized LOC105946819
## 2324	uncharacterized LOC105946821
## 2325	tRNA-Asp
## 2326	NEDD1 gamma-tubulin ring complex targeting factor
## 2327	microRNA mir-135-1
## 2328	small nucleolar RNA SNORA53
## 2329	small nucleolar RNA SNORA53
## 2330	uncharacterized LOC116409481
## 2331	microRNA let-7i
## 2332	uncharacterized LOC116409732
## 2333	uncharacterized LOC101731354, transcript variant X7
## 2334	uncharacterized LOC101731354, transcript variant X7
## 2335	uncharacterized LOC101731354, transcript variant X7
## 2336	uncharacterized LOC101731354, transcript variant X7

2337 uncharacterized LOC101731354, transcript variant X7
 ## 2338 uncharacterized LOC101731354, transcript variant X7
 ## 2339 uncharacterized LOC101731354, transcript variant X7
 ## 2340 uncharacterized gene
 ## 2341 uncharacterized LOC116409733
 ## 2342 uncharacterized LOC108646159
 ## 2343 uncharacterized LOC116409734
 ## 2344 uncharacterized LOC116409482
 ## 2345 small nucleolar RNA SNORA68
 ## 2346 small nucleolar RNA SNORA68
 ## 2347 uncharacterized LOC116409736
 ## 2348 uncharacterized LOC105946828
 ## 2349 uncharacterized LOC101734767, transcript variant X10
 ## 2350 uncharacterized LOC101734767, transcript variant X10
 ## 2351 uncharacterized LOC101734767, transcript variant X10
 ## 2352 uncharacterized LOC101734767, transcript variant X10
 ## 2353 uncharacterized LOC101734767, transcript variant X10
 ## 2354 uncharacterized LOC101734767, transcript variant X10
 ## 2355 uncharacterized LOC101734767, transcript variant X10
 ## 2356 uncharacterized LOC101734767, transcript variant X10
 ## 2357 uncharacterized LOC101734767, transcript variant X10
 ## 2358 uncharacterized LOC101734767, transcript variant X10
 ## 2359 uncharacterized LOC105946930
 ## 2360 uncharacterized LOC100490181
 ## 2361 uncharacterized LOC116409737
 ## 2362 uncharacterized LOC105946836
 ## 2363 uncharacterized LOC116409738
 ## 2364 uncharacterized LOC116409739
 ## 2365 uncharacterized LOC100488397, transcript variant X6
 ## 2366 uncharacterized LOC100488397, transcript variant X6
 ## 2367 uncharacterized LOC100488397, transcript variant X6
 ## 2368 uncharacterized LOC100488397, transcript variant X6
 ## 2369 uncharacterized LOC100488397, transcript variant X6
 ## 2370 uncharacterized LOC100488397, transcript variant X6
 ## 2371 uncharacterized LOC105946931
 ## 2372 uncharacterized LOC116409740
 ## 2373 uncharacterized LOC116409741
 ## 2374 uncharacterized LOC116409742
 ## 2375 uncharacterized LOC105946844
 ## 2376 uncharacterized LOC116409743
 ## 2377 uncharacterized LOC116409483
 ## 2378 uncharacterized LOC105946847, transcript variant X4
 ## 2379 uncharacterized LOC105946847, transcript variant X4
 ## 2380 uncharacterized LOC105946847, transcript variant X4
 ## 2381 uncharacterized LOC105946847, transcript variant X4
 ## 2382 uncharacterized LOC116409744
 ## 2383 uncharacterized LOC116409485, transcript variant X2
 ## 2384 uncharacterized LOC116409485, transcript variant X2
 ## 2385 uncharacterized LOC116409746
 ## 2386 uncharacterized LOC105946848
 ## 2387 uncharacterized LOC116409747
 ## 2388 uncharacterized LOC108646166
 ## 2389 uncharacterized LOC105946850
 ## 2390 uncharacterized LOC116409748

2391 uncharacterized LOC108646168
 ## 2392 uncharacterized LOC116409749
 ## 2393 uncharacterized gene
 ## 2394 uncharacterized LOC116409750
 ## 2395 uncharacterized LOC116409484
 ## 2396 inter-alpha-trypsin inhibitor heavy chain H5
 ## 2397 transmembrane protein 110, like
 ## 2398 uncharacterized LOC105946852, transcript variant X1
 ## 2399 uncharacterized LOC105946852, transcript variant X1
 ## 2400 uncharacterized LOC116409751
 ## 2401 microRNA mir-29a
 ## 2402 microRNA mir-29d
 ## 2403 uncharacterized LOC116409752, transcript variant X2
 ## 2404 uncharacterized LOC116409752, transcript variant X2
 ## 2405 uncharacterized LOC116409753
 ## 2406 small lysine rich protein 1, transcript variant X1
 ## 2407 small lysine rich protein 1, transcript variant X1
 ## 2408 microRNA mir-183
 ## 2409 microRNA mir-96
 ## 2410 microRNA mir-182
 ## 2411 microRNA mir-129-2
 ## 2412 tRNA-Pro
 ## 2413 tRNA-Thr
 ## 2414 tRNA-Pro
 ## 2415 NME/NM23 nucleoside diphosphate kinase 6
 ## 2416 NME/NM23 nucleoside diphosphate kinase 6
 ## 2417 uncharacterized LOC100487908, transcript variant X7
 ## 2418 uncharacterized LOC100487908, transcript variant X7
 ## 2419 uncharacterized LOC100487908, transcript variant X7
 ## 2420 uncharacterized LOC100487908, transcript variant X7
 ## 2421 uncharacterized LOC100487908, transcript variant X7
 ## 2422 uncharacterized LOC100487908, transcript variant X7
 ## 2423 uncharacterized LOC100487908, transcript variant X7
 ## 2424 uncharacterized LOC116409755
 ## 2425 uncharacterized LOC116409756
 ## 2426 tRNA-His
 ## 2427 tRNA-His
 ## 2428 uncharacterized LOC105947764
 ## 2429 uncharacterized LOC108646170
 ## 2430 uncharacterized LOC116409758
 ## 2431 talin-2 isoform X1
 ## 2432 uncharacterized LOC105947763
 ## 2433 unconventional myosin-IXa isoform X1
 ## 2434 uncharacterized LOC116409759
 ## 2435 uncharacterized LOC116409762
 ## 2436 uncharacterized LOC116409764
 ## 2437 little elongation complex subunit 2 isoform X1
 ## 2438 uncharacterized LOC105947765
 ## 2439 small nucleolar RNA SNORA71
 ## 2440 small nucleolar RNA SNORA71
 ## 2441 small nucleolar RNA SNORA71
 ## 2442 RNA-binding protein with multiple splicing 2
 ## 2443 uncharacterized LOC116409766
 ## 2444 uncharacterized LOC116409765, transcript variant X2

## 2445	uncharacterized LOC116409765, transcript variant X2
## 2446	phosphopantothenoylcysteine decarboxylase
## 2447	phosphopantothenoylcysteine decarboxylase
## 2448	tRNA-Phe
## 2449	tRNA-Asp
## 2450	tRNA-Asp
## 2451	tRNA-Asp
## 2452	tRNA-Asp
## 2453	tRNA-Asp
## 2454	tRNA-Asp
## 2455	tRNA-Asp
## 2456	tRNA-Asp
## 2457	tRNA-Asp
## 2458	tRNA-Asp
## 2459	tRNA-Asp
## 2460	tRNA-Asp
## 2461	tRNA-Asp
## 2462	tRNA-Asp
## 2463	tRNA-Asp
## 2464	tRNA-Asp
## 2465	tRNA-Asp
## 2466	tRNA-Asp
## 2467	tRNA-Asp
## 2468	tRNA-Asp
## 2469	tRNA-Asp
## 2470	tRNA-Asp
## 2471	tRNA-Asp
## 2472	tRNA-Asp
## 2473	tRNA-Asp
## 2474	tRNA-Asp
## 2475	tRNA-Asp
## 2476	tRNA-Asp
## 2477	tRNA-Asp
## 2478	tRNA-Asp
## 2479	tRNA-Asp
## 2480	tRNA-Asp
## 2481	tRNA-Asp
## 2482	uncharacterized LOC101733305
## 2483	uncharacterized LOC116409767
## 2484	microRNA mir-204-1
## 2485	uncharacterized LOC116409768, transcript variant X3
## 2486	uncharacterized LOC116409768, transcript variant X3
## 2487	uncharacterized LOC116409768, transcript variant X3
## 2488	uncharacterized LOC101734496, transcript variant X2
## 2489	uncharacterized LOC101734496, transcript variant X2
## 2490	uncharacterized LOC105948491
## 2491	myocardial zonula adherens protein
## 2492	uncharacterized LOC105946778
## 2493	uncharacterized LOC108646278
## 2494	uncharacterized LOC116409487
## 2495	uncharacterized LOC116409769
## 2496	uncharacterized LOC116409770
## 2497	uncharacterized LOC116409771
## 2498	uncharacterized LOC105946762, transcript variant X2

2499 uncharacterized LOC105946762, transcript variant X2
 ## 2500 spermatogenesis associated 5-like 1
 ## 2501 transient receptor potential cation channel subfamily M member 7 isoform X1
 ## 2502 uncharacterized LOC105946765
 ## 2503 GA binding protein transcription factor subunit beta 1
 ## 2504 GA binding protein transcription factor subunit beta 1
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 ## 2508 uncharacterized LOC101730325
 ## 2509 uncharacterized LOC116409772
 ## 2510 RNA polymerase II elongation factor ELL3
 ## 2511 uncharacterized LOC116409773
 ## 2512 uncharacterized LOC116409774
 ## 2513 uncharacterized LOC116409775, transcript variant X2
 ## 2514 uncharacterized LOC116409775, transcript variant X2
 ## 2515 uncharacterized LOC116409776
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 ## 2529 microRNA mir-9-3
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 ## 2531 uncharacterized LOC116409778, transcript variant X2
 ## 2532 uncharacterized LOC116409779
 ## 2533 uncharacterized LOC101733479, transcript variant X3
 ## 2534 uncharacterized LOC101733479, transcript variant X3
 ## 2535 uncharacterized LOC101733479, transcript variant X3
 ## 2536 microRNA mir-7-2
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 ## 2540 uncharacterized LOC116409780
 ## 2541 uncharacterized LOC105946774, transcript variant X9
 ## 2542 uncharacterized LOC105946774, transcript variant X9
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 ## 2547 uncharacterized LOC105946774, transcript variant X9
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 ## 2552 uncharacterized LOC101730683

2553 ankyrin repeat and SOCS box containing 7
 ## 2554 uncharacterized LOC116409781
 ## 2555 tRNA-Gln
 ## 2556 multiple epidermal growth factor-like domains protein 11 isoform X1
 ## 2557 small Cajal body-specific RNA 14
 ## 2558 small nucleolar RNA SNORD18
 ## 2559 small nucleolar RNA SNORD18
 ## 2560 small nucleolar RNA SNORD18
 ## 2561 small nucleolar RNA SNORD16
 ## 2562 small nucleolar RNA SNORD18
 ## 2563 small nucleolar RNA SNORD16
 ## 2564 IQ domain-containing protein H
 ## 2565 uncharacterized LOC108646189
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 ## 2567 tRNA-Lys
 ## 2568 eukaryotic translation initiation factor 3 subunit J
 ## 2569 microRNA mir-184
 ## 2570 uncharacterized LOC105946757
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 ## 2572 U2 spliceosomal RNA
 ## 2573 uncharacterized LOC105946755
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 ## 2575 uncharacterized LOC116409782
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 ## 2577 uncharacterized LOC116409491
 ## 2578 astacin-like metalloendopeptidase isoform X1
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 ## 2581 uncharacterized LOC116409786
 ## 2582 uncharacterized LOC108646185
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 ## 2597 uncharacterized LOC116409791
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 ## 2599 uncharacterized LOC116409792
 ## 2600 rho-related BTB domain-containing protein 2 isoform X2
 ## 2601 microRNA mir-2188
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 ## 2604 uncharacterized LOC116409795, transcript variant X2
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## 3218	beta-1,3-galactosyltransferase 2-like
## 3219	beta-1,3-galactosyltransferase 2-like
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## 3221	potassium channel subfamily T member 2 isoform X1
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## 3235	uncharacterized LOC116409823
## 3236	uncharacterized LOC116409820
## 3237	uncharacterized LOC116409822
## 3238	microRNA mir-199b
## 3239	uncharacterized LOC116409502
## 3240	uncharacterized LOC116409824
## 3241	ELAV like neuron-specific RNA binding protein 3
## 3242	uncharacterized gene
## 3243	small nucleolar RNA SNORD41
## 3244	small nucleolar RNA SNORD41
## 3245	uncharacterized gene
## 3246	microRNA mir-23a-1
## 3247	microRNA mir-27a
## 3248	microRNA mir-24b
## 3249	uncharacterized LOC116409828
## 3250	complement component 3 precursor pseudogene
## 3251	tRNA-His
## 3252	tRNA-His
## 3253	tRNA-Lys
## 3254	tRNA-Arg

## 3255	tRNA-Arg
## 3256	tRNA-Lys
## 3257	uncharacterized gene
## 3258	uncharacterized LOC116409519
## 3259	uncharacterized gene
## 3260	uncharacterized LOC116409521
## 3261	uncharacterized LOC116409831, transcript variant X2
## 3262	uncharacterized LOC116409831, transcript variant X2
## 3263	tRNA-Pro
## 3264	tRNA-Thr
## 3265	tRNA-Ser
## 3266	tRNA-Pro
## 3267	tRNA-Ser
## 3268	tRNA-Ser
## 3269	uncharacterized gene
## 3270	uncharacterized LOC116409524
## 3271	tRNA-Ile
## 3272	microRNA mir-93a
## 3273	microRNA mir-25-1
## 3274	tRNA-Ile
## 3275	tRNA-Ile
## 3276	tRNA-Ile
## 3277	tRNA-Ile
## 3278	tRNA-Ser
## 3279	tRNA-Ser
## 3280	tRNA-Ile
## 3281	tRNA-Ile
## 3282	tRNA-Ile
## 3283	tRNA-Ile
## 3284	tRNA-Ile
## 3285	tRNA-Leu
## 3286	tRNA-Pro
## 3287	tRNA-Trp
## 3288	tRNA-Ser
## 3289	U8 small nucleolar RNA
## 3290	U8 small nucleolar RNA
## 3291	U8 small nucleolar RNA
## 3292	U8 small nucleolar RNA
## 3293	U8 small nucleolar RNA
## 3294	tRNA-Leu
## 3295	tRNA-Pro
## 3296	tRNA-Leu
## 3297	tRNA-Pro
## 3298	tRNA-Leu
## 3299	tRNA-Gly
## 3300	tRNA-Gly
## 3301	tRNA-Gly
## 3302	tRNA-Gly
## 3303	tRNA-Gly
## 3304	tRNA-Gly
## 3305	tRNA-Gly
## 3306	tRNA-Gly
## 3307	tRNA-Gly
## 3308	tRNA-Gly

## 3309	tRNA-Gly
## 3310	tRNA-Leu
## 3311	tRNA-Leu
## 3312	tRNA-Leu
## 3313	tRNA-Leu
## 3314	tRNA-Leu
## 3315	tRNA-Ser
## 3316	tRNA-Thr
## 3317	tRNA-Ser
## 3318	tRNA-Thr
## 3319	tRNA-Ser
## 3320	tRNA-Pro
## 3321	tRNA-Thr
## 3322	tRNA-Ser
## 3323	tRNA-Thr
## 3324	tRNA-Thr
## 3325	tRNA-Ser
## 3326	tRNA-Thr
## 3327	tRNA-Ser
## 3328	tRNA-Thr
## 3329	tRNA-Ser
## 3330	tRNA-Ser
## 3331	centrobin
## 3332	tRNA-Leu
## 3333	tRNA-Thr
## 3334	tRNA-Ser
## 3335	tRNA-Pro
## 3336	tRNA-Ser
## 3337	tRNA-Pro
## 3338	tRNA-Leu
## 3339	tRNA-Ser
## 3340	tRNA-Thr
## 3341	tRNA-Ser
## 3342	tRNA-Pro
## 3343	tRNA-Ser
## 3344	tRNA-Pro
## 3345	tRNA-Leu
## 3346	tRNA-Ser
## 3347	tRNA-Thr
## 3348	tRNA-Ser
## 3349	tRNA-Pro
## 3350	tRNA-Ser
## 3351	tRNA-Leu
## 3352	tRNA-Ser
## 3353	tRNA-Thr
## 3354	tRNA-Ser
## 3355	tRNA-Pro
## 3356	tRNA-Ser
## 3357	tRNA-Pro
## 3358	tRNA-Leu
## 3359	tRNA-Thr
## 3360	tRNA-Ser
## 3361	tRNA-Thr
## 3362	tRNA-Ser

## 3363	tRNA-Pro
## 3364	tRNA-Ser
## 3365	tRNA-Pro
## 3366	tRNA-Leu
## 3367	tRNA-Ser
## 3368	tRNA-Thr
## 3369	tRNA-Ser
## 3370	tRNA-Pro
## 3371	tRNA-Ser
## 3372	tRNA-Pro
## 3373	tRNA-Leu
## 3374	tRNA-Ser
## 3375	tRNA-Thr
## 3376	tRNA-Ser
## 3377	tRNA-Pro
## 3378	tRNA-Ser
## 3379	tRNA-Pro
## 3380	tRNA-Leu
## 3381	tRNA-Ser
## 3382	tRNA-Thr
## 3383	tRNA-Ser
## 3384	tRNA-Pro
## 3385	tRNA-Ser
## 3386	tRNA-Pro
## 3387	tRNA-Ser
## 3388	tRNA-Thr
## 3389	tRNA-Ser
## 3390	tRNA-Ser
## 3391	tRNA-Pro
## 3392	tRNA-Leu
## 3393	tRNA-Ser
## 3394	tRNA-Pro
## 3395	tRNA-Leu
## 3396	tRNA-Leu
## 3397	tRNA-Leu
## 3398	tRNA-Leu
## 3399	tRNA-Leu
## 3400	tRNA-Leu
## 3401	tRNA-Leu
## 3402	tRNA-Leu
## 3403	tRNA-Thr
## 3404	tRNA-Thr
## 3405	tRNA-Thr
## 3406	tRNA-Leu
## 3407	tRNA-Thr
## 3408	tRNA-Thr
## 3409	tRNA-Ser
## 3410	tRNA-Pro
## 3411	tRNA-Thr
## 3412	tRNA-Pro
## 3413	tRNA-Leu
## 3414	tRNA-Leu
## 3415	tRNA-Ser
## 3416	tRNA-Ser

## 3417	tRNA-Thr
## 3418	tRNA-Thr
## 3419	tRNA-Ser
## 3420	tRNA-Ala
## 3421	tRNA-Asn
## 3422	tRNA-Pro
## 3423	tRNA-Leu
## 3424	tRNA-Ser
## 3425	tRNA-Thr
## 3426	tRNA-Thr
## 3427	tRNA-Ser
## 3428	tRNA-Pro
## 3429	tRNA-Ser
## 3430	tRNA-Thr
## 3431	tRNA-Ser
## 3432	tRNA-Leu
## 3433	tRNA-Thr
## 3434	tRNA-Pro
## 3435	tRNA-Ser
## 3436	tRNA-Thr
## 3437	tRNA-Thr
## 3438	tRNA-Ser
## 3439	tRNA-Thr
## 3440	tRNA-Thr
## 3441	tRNA-Pro
## 3442	tRNA-Thr
## 3443	tRNA-Leu
## 3444	tRNA-Thr
## 3445	tRNA-Ser
## 3446	tRNA-Thr
## 3447	tRNA-Thr
## 3448	tRNA-Pro
## 3449	tRNA-Thr
## 3450	tRNA-Met
## 3451	tRNA-Thr
## 3452	tRNA-Ser
## 3453	tRNA-Leu
## 3454	tRNA-Thr
## 3455	tRNA-Pro
## 3456	tRNA-Thr
## 3457	tRNA-Ser
## 3458	tRNA-Thr
## 3459	tRNA-Ser
## 3460	tRNA-Thr
## 3461	tRNA-Leu
## 3462	tRNA-Ser
## 3463	tRNA-Thr
## 3464	tRNA-Thr
## 3465	tRNA-Arg
## 3466	tRNA-Arg
## 3467	tRNA-Arg
## 3468	tRNA-Lys
## 3469	tRNA-Arg
## 3470	tRNA-Arg

## 3471	tRNA-His
## 3472	tRNA-Lys
## 3473	tRNA-Arg
## 3474	tRNA-Arg
## 3475	tRNA-His
## 3476	tRNA-Lys
## 3477	tRNA-Arg
## 3478	tRNA-Arg
## 3479	tRNA-His
## 3480	tRNA-Lys
## 3481	tRNA-Ser
## 3482	tRNA-Thr
## 3483	tRNA-Thr
## 3484	tRNA-Leu
## 3485	tRNA-Thr
## 3486	tRNA-Thr
## 3487	tRNA-Ser
## 3488	tRNA-Thr
## 3489	tRNA-Thr
## 3490	tRNA-Leu
## 3491	tRNA-Ser
## 3492	tRNA-Thr
## 3493	tRNA-Thr
## 3494	tRNA-Leu
## 3495	tRNA-Ser
## 3496	tRNA-Thr
## 3497	tRNA-Ser
## 3498	tRNA-Thr
## 3499	tRNA-Ser
## 3500	tRNA-Thr
## 3501	tRNA-Leu
## 3502	tRNA-Ser
## 3503	tRNA-Thr
## 3504	tRNA-Leu
## 3505	tRNA-Ser
## 3506	tRNA-Thr
## 3507	tRNA-Leu
## 3508	tRNA-Leu
## 3509	tRNA-Ser
## 3510	tRNA-Thr
## 3511	tRNA-Leu
## 3512	tRNA-Ser
## 3513	tRNA-Thr
## 3514	tRNA-Thr
## 3515	uncharacterized LOC116409838
## 3516	tRNA-Leu
## 3517	tRNA-Ser
## 3518	tRNA-His
## 3519	tRNA-Arg
## 3520	tRNA-His
## 3521	tRNA-Lys
## 3522	tRNA-Arg
## 3523	tRNA-Ser
## 3524	tRNA-Thr

## 3525	tRNA-Leu
## 3526	tRNA-Ser
## 3527	tRNA-Thr
## 3528	tRNA-Thr
## 3529	tRNA-Leu
## 3530	tRNA-Ser
## 3531	tRNA-Thr
## 3532	tRNA-Leu
## 3533	tRNA-Ser
## 3534	tRNA-Thr
## 3535	tRNA-Leu
## 3536	tRNA-Ser
## 3537	tRNA-Thr
## 3538	tRNA-Thr
## 3539	tRNA-Leu
## 3540	tRNA-Ser
## 3541	tRNA-Thr
## 3542	tRNA-Thr
## 3543	tRNA-Leu
## 3544	tRNA-Ser
## 3545	tRNA-Thr
## 3546	tRNA-Thr
## 3547	tRNA-Leu
## 3548	tRNA-Ser
## 3549	tRNA-Thr
## 3550	tRNA-Thr
## 3551	tRNA-Leu
## 3552	tRNA-Ser
## 3553	tRNA-Thr
## 3554	tRNA-Thr
## 3555	tRNA-Leu
## 3556	tRNA-Ser
## 3557	tRNA-His
## 3558	tRNA-Lys
## 3559	tRNA-Arg
## 3560	tRNA-Arg
## 3561	tRNA-His
## 3562	tRNA-Lys
## 3563	tRNA-Arg
## 3564	tRNA-Arg
## 3565	tRNA-His
## 3566	tRNA-Lys
## 3567	tRNA-Arg
## 3568	tRNA-Arg
## 3569	tRNA-His
## 3570	tRNA-Lys
## 3571	tRNA-Arg
## 3572	tRNA-Arg
## 3573	tRNA-His
## 3574	tRNA-Lys
## 3575	tRNA-Arg
## 3576	tRNA-Arg
## 3577	tRNA-His
## 3578	tRNA-Lys

## 3579	tRNA-Arg
## 3580	tRNA-Arg
## 3581	tRNA-His
## 3582	tRNA-Lys
## 3583	tRNA-Arg
## 3584	tRNA-Arg
## 3585	tRNA-His
## 3586	tRNA-Lys
## 3587	tRNA-Arg
## 3588	tRNA-Arg
## 3589	tRNA-His
## 3590	tRNA-Lys
## 3591	tRNA-Arg
## 3592	tRNA-Arg
## 3593	tRNA-His
## 3594	tRNA-Lys
## 3595	tRNA-Arg
## 3596	tRNA-Arg
## 3597	tRNA-His
## 3598	tRNA-Lys
## 3599	tRNA-Arg
## 3600	tRNA-Arg
## 3601	tRNA-His
## 3602	tRNA-Lys
## 3603	tRNA-Arg
## 3604	tRNA-Arg
## 3605	tRNA-His
## 3606	tRNA-Lys
## 3607	tRNA-Arg
## 3608	tRNA-Arg
## 3609	tRNA-His
## 3610	tRNA-Lys
## 3611	tRNA-Arg
## 3612	tRNA-Arg
## 3613	tRNA-His
## 3614	tRNA-Lys
## 3615	tRNA-Arg
## 3616	tRNA-Arg
## 3617	tRNA-His
## 3618	tRNA-Lys
## 3619	tRNA-His
## 3620	tRNA-Lys
## 3621	tRNA-Arg
## 3622	tRNA-Arg
## 3623	tRNA-Lys
## 3624	tRNA-Arg
## 3625	tRNA-Arg
## 3626	tRNA-His
## 3627	tRNA-Lys
## 3628	tRNA-Arg
## 3629	tRNA-Arg
## 3630	tRNA-His
## 3631	tRNA-Lys
## 3632	tRNA-Arg

## 3633	tRNA-Arg
## 3634	tRNA-His
## 3635	tRNA-Arg
## 3636	tRNA-Arg
## 3637	tRNA-His
## 3638	tRNA-Lys
## 3639	tRNA-Arg
## 3640	tRNA-Arg
## 3641	tRNA-His
## 3642	tRNA-Arg
## 3643	tRNA-Arg
## 3644	tRNA-His
## 3645	tRNA-Lys
## 3646	tRNA-Arg
## 3647	tRNA-Arg
## 3648	tRNA-Arg
## 3649	tRNA-Arg
## 3650	tRNA-His
## 3651	tRNA-Leu
## 3652	tRNA-Ser
## 3653	tRNA-Ser
## 3654	tRNA-Pro
## 3655	tRNA-Pro
## 3656	tRNA-Ser
## 3657	tRNA-Thr
## 3658	tRNA-Ser
## 3659	tRNA-Leu
## 3660	tRNA-Ser
## 3661	tRNA-Thr
## 3662	tRNA-Ser
## 3663	tRNA-Thr
## 3664	tRNA-Leu
## 3665	tRNA-Ser
## 3666	tRNA-Ser
## 3667	tRNA-Arg
## 3668	tRNA-Thr
## 3669	tRNA-Thr
## 3670	tRNA-Pro
## 3671	tRNA-Leu
## 3672	tRNA-Thr
## 3673	tRNA-Pro
## 3674	tRNA-Ser
## 3675	tRNA-Thr
## 3676	tRNA-Ser
## 3677	tRNA-Ser
## 3678	tRNA-Ser
## 3679	uncharacterized LOC105946969
## 3680	tRNA-Thr
## 3681	tRNA-Thr
## 3682	tRNA-Thr
## 3683	tRNA-Thr
## 3684	tRNA-Pro
## 3685	tRNA-Ser
## 3686	tRNA-Thr

## 3687	tRNA-Pro
## 3688	tRNA-Thr
## 3689	tRNA-Ser
## 3690	tRNA-Pro
## 3691	tRNA-Pro
## 3692	tRNA-Thr
## 3693	tRNA-Ser
## 3694	tRNA-Ser
## 3695	tRNA-Pro
## 3696	tRNA-Thr
## 3697	tRNA-Thr
## 3698	tRNA-Leu
## 3699	tRNA-Pro
## 3700	tRNA-Thr
## 3701	tRNA-Thr
## 3702	tRNA-Ser
## 3703	tRNA-Lys
## 3704	tRNA-His
## 3705	tRNA-Arg
## 3706	tRNA-Ser
## 3707	tRNA-Leu
## 3708	tRNA-Ser
## 3709	tRNA-Pro
## 3710	tRNA-Ser
## 3711	tRNA-Thr
## 3712	tRNA-Ser
## 3713	tRNA-Ser
## 3714	tRNA-Thr
## 3715	tRNA-Ser
## 3716	tRNA-Pro
## 3717	tRNA-Ser
## 3718	tRNA-Leu
## 3719	tRNA-Thr
## 3720	tRNA-Leu
## 3721	tRNA-Thr
## 3722	tRNA-Arg
## 3723	tRNA-His
## 3724	tRNA-Lys
## 3725	tRNA-Thr
## 3726	tRNA-Arg
## 3727	tRNA-Thr
## 3728	tRNA-Lys
## 3729	tRNA-Ser
## 3730	tRNA-Leu
## 3731	tRNA-Ser
## 3732	tRNA-Ser
## 3733	tRNA-Thr
## 3734	tRNA-Leu
## 3735	tRNA-Pro
## 3736	tRNA-Ser
## 3737	tRNA-Pro
## 3738	tRNA-Thr
## 3739	tRNA-Pro
## 3740	tRNA-Ser

## 3741	tRNA-Thr
## 3742	tRNA-Pro
## 3743	tRNA-Ser
## 3744	tRNA-Thr
## 3745	tRNA-Ser
## 3746	tRNA-Pro
## 3747	tRNA-Thr
## 3748	vomeronasal type-2 receptor 26
## 3749	vomeronasal type-2 receptor 26
## 3750	vomeronasal type-2 receptor 26-like
## 3751	vomeronasal type-2 receptor 26-like
## 3752	vomeronasal type-2 receptor 26
## 3753	vomeronasal type-2 receptor 26
## 3754	vomeronasal type-2 receptor 26
## 3755	vomeronasal type-2 receptor 26
## 3756	tRNA-Thr
## 3757	tRNA-Thr
## 3758	tRNA-Arg
## 3759	tRNA-Leu
## 3760	tRNA-His
## 3761	tRNA-Thr
## 3762	tRNA-Thr
## 3763	tRNA-Thr
## 3764	microRNA mir-427-2
## 3765	microRNA mir-427-1
## 3766	microRNA mir-427-3
## 3767	tRNA-Leu
## 3768	tRNA-Ser
## 3769	tRNA-His
## 3770	tRNA-Thr
## 3771	tRNA-Lys
## 3772	tRNA-His
## 3773	tRNA-Thr
## 3774	tRNA-Lys
## 3775	tRNA-Leu
## 3776	tRNA-Ser
## 3777	tRNA-His
## 3778	tRNA-Thr
## 3779	tRNA-Thr
## 3780	tRNA-Thr
## 3781	tRNA-His
## 3782	tRNA-Thr
## 3783	tRNA-Leu
## 3784	tRNA-Ser
## 3785	tRNA-His
## 3786	vomeronasal type-2 receptor 26-like
## 3787	vomeronasal type-2 receptor 26
## 3788	vomeronasal type-2 receptor 26-like
## 3789	uncharacterized gene
## 3790	vomeronasal type-2 receptor 26
## 3791	uncharacterized gene
## 3792	uncharacterized protein LOC101730300 isoform X2
## 3793	uncharacterized protein LOC101730874
## 3794	uncharacterized protein LOC101730874

## 3795	WD repeat containing, antisense to TP53	
## 3796		tRNA-Thr
## 3797		tRNA-Thr
## 3798		tRNA-Thr
## 3799		tRNA-Thr
## 3800		tRNA-Asn
## 3801		tRNA-Thr
## 3802		tRNA-Thr
## 3803		tRNA-Thr
## 3804		tRNA-Thr
## 3805		tRNA-Thr
## 3806		tRNA-Thr
## 3807		tRNA-Thr
## 3808		tRNA-Thr
## 3809		tRNA-Thr
## 3810		tRNA-Thr
## 3811		tRNA-Thr
## 3812		tRNA-Thr
## 3813		tRNA-Thr
## 3814		tRNA-Thr
## 3815		tRNA-Thr
## 3816		tRNA-Thr
## 3817		tRNA-Thr
## 3818		tRNA-Thr
## 3819		tRNA-Thr
## 3820		tRNA-Thr
## 3821		tRNA-Thr
## 3822		tRNA-Thr
## 3823		tRNA-Thr
## 3824		tRNA-Thr
## 3825		tRNA-Thr
## 3826		tRNA-Thr
## 3827		tRNA-Thr
## 3828		tRNA-Thr
## 3829	uncharacterized protein LOC116409844 isoform X1	
## 3830	uncharacterized protein LOC116409844 isoform X1	
## 3831		tRNA-Thr
## 3832		tRNA-Thr
## 3833		tRNA-Thr
## 3834		tRNA-Thr
## 3835		tRNA-Thr
## 3836		tRNA-Thr
## 3837		tRNA-Thr
## 3838		tRNA-Thr
## 3839		tRNA-Ile
## 3840		tRNA-Thr
## 3841		tRNA-Thr
## 3842		tRNA-Thr
## 3843		tRNA-Thr
## 3844		tRNA-Thr
## 3845	uncharacterized gene	
## 3846		tRNA-Ser
## 3847		tRNA-Pro
## 3848		tRNA-Ser

## 3849	uncharacterized gene
## 3850	uncharacterized LOC105946968
## 3851	tRNA-Ser
## 3852	tRNA-Ser
## 3853	tRNA-Ser
## 3854	tRNA-Ser
## 3855	tRNA-Ser
## 3856	tRNA-Pro
## 3857	tRNA-Thr
## 3858	tRNA-Ile
## 3859	tRNA-Thr
## 3860	tRNA-Thr
## 3861	tRNA-Thr
## 3862	tRNA-Thr
## 3863	uncharacterized gene
## 3864	uncharacterized gene
## 3865	uncharacterized LOC116409855
## 3866	small nucleolar RNA SNORD10
## 3867	transmembrane protein 256
## 3868	uncharacterized LOC116409857
## 3869	uncharacterized LOC116409861
## 3870	uncharacterized gene
## 3871	coiled-coil domain-containing protein 77
## 3872	uncharacterized LOC100158538
## 3873	uncharacterized gene
## 3874	uncharacterized gene
## 3875	uncharacterized LOC100498328
## 3876	uncharacterized protein LOC100498645 isoform X1
## 3877	uncharacterized protein LOC100498645 isoform X1
## 3878	uncharacterized protein LOC100498645 isoform X1
## 3879	uncharacterized LOC101734743, transcript variant X2
## 3880	uncharacterized LOC101734743, transcript variant X2
## 3881	small nucleolar RNA SNORD14
## 3882	small nucleolar RNA SNORD14
## 3883	uncharacterized LOC116410359
## 3884	uncharacterized LOC101733371
## 3885	signal peptide, CUB domain, EGF-like 2
## 3886	DENN/MADD domain containing 5A
## 3887	small nucleolar RNA SNORD97
## 3888	small nucleolar RNA SNORD97
## 3889	uncharacterized LOC105947164
## 3890	F-actin-monooxygenase MICAL2 isoform X1
## 3891	alpha-parvin
## 3892	small nucleolar RNA SNORA23
## 3893	small nucleolar RNA SNORA23
## 3894	microRNA mir-129-1
## 3895	uncharacterized LOC116410521
## 3896	uncharacterized LOC116410242
## 3897	uncharacterized LOC116410249
## 3898	uncharacterized LOC116410244
## 3899	uncharacterized LOC116410246
## 3900	uncharacterized LOC116410251
## 3901	uncharacterized LOC116410248
## 3902	uncharacterized LOC116410245

## 3903	uncharacterized LOC116410247
## 3904	uncharacterized LOC108644862
## 3905	uncharacterized LOC116410250
## 3906	uncharacterized LOC101731353
## 3907	uncharacterized LOC116410253
## 3908	uncharacterized LOC116410252
## 3909	uncharacterized LOC116410267
## 3910	uncharacterized LOC116410256
## 3911	uncharacterized LOC116410270
## 3912	uncharacterized LOC116410260
## 3913	uncharacterized LOC116410257
## 3914	uncharacterized LOC116410262
## 3915	synaptotagmin-13-like
## 3916	uncharacterized LOC116410264
## 3917	uncharacterized LOC116410258
## 3918	uncharacterized LOC116410269
## 3919	uncharacterized LOC116410261
## 3920	uncharacterized LOC116410265
## 3921	uncharacterized LOC116410263
## 3922	uncharacterized LOC116410268
## 3923	uncharacterized LOC116410266
## 3924	uncharacterized LOC116410259
## 3925	synaptotagmin-13-like isoform X1
## 3926	synaptotagmin-13-like isoform X1
## 3927	uncharacterized LOC116410275
## 3928	uncharacterized LOC116410272, transcript variant X2
## 3929	uncharacterized LOC116410272, transcript variant X2
## 3930	uncharacterized LOC116410273
## 3931	uncharacterized LOC116410274
## 3932	uncharacterized LOC116410533
## 3933	small nucleolar RNA SNORD67
## 3934	small nucleolar RNA SNORD67
## 3935	uncharacterized LOC116410280
## 3936	uncharacterized LOC105947176
## 3937	uncharacterized LOC105947174
## 3938	uncharacterized LOC116410281
## 3939	protein kinase C delta type-like
## 3940	uncharacterized LOC116410286
## 3941	uncharacterized LOC116410285
## 3942	uncharacterized LOC105946069
## 3943	uncharacterized gene
## 3944	uncharacterized LOC116410525
## 3945	uncharacterized LOC101731609
## 3946	uncharacterized LOC116410292
## 3947	uncharacterized LOC116410291
## 3948	uncharacterized LOC116410293
## 3949	uncharacterized LOC116410294
## 3950	uncharacterized LOC101731569
## 3951	uncharacterized LOC116410295
## 3952	uncharacterized gene
## 3953	uncharacterized LOC116410297, transcript variant X3
## 3954	uncharacterized LOC116410297, transcript variant X3
## 3955	uncharacterized LOC116410297, transcript variant X3
## 3956	uncharacterized LOC105947771

3957 uncharacterized LOC116410296
 ## 3958 uncharacterized LOC116410526
 ## 3959 uncharacterized LOC105946173
 ## 3960 uncharacterized LOC116410298
 ## 3961 uncharacterized LOC116410300
 ## 3962 uncharacterized LOC116410299
 ## 3963 uncharacterized LOC108646158
 ## 3964 uncharacterized LOC116410301, transcript variant X2
 ## 3965 uncharacterized LOC116410301, transcript variant X2
 ## 3966 uncharacterized LOC105947209
 ## 3967 uncharacterized LOC116410305
 ## 3968 uncharacterized LOC116410303
 ## 3969 uncharacterized LOC116410304
 ## 3970 uncharacterized LOC101732864
 ## 3971 uncharacterized LOC116410527
 ## 3972 uncharacterized LOC116410222
 ## 3973 uncharacterized LOC116410307
 ## 3974 uncharacterized LOC116410542
 ## 3975 uncharacterized LOC101731613
 ## 3976 uncharacterized LOC108647373
 ## 3977 uncharacterized gene
 ## 3978 uncharacterized LOC108647376
 ## 3979 uncharacterized gene
 ## 3980 uncharacterized LOC116410310
 ## 3981 uncharacterized LOC116410539
 ## 3982 uncharacterized LOC116410540
 ## 3983 uncharacterized LOC105947191
 ## 3984 uncharacterized LOC105947190
 ## 3985 sn1-specific diacylglycerol lipase alpha isoform X1
 ## 3986 sn1-specific diacylglycerol lipase alpha isoform X1
 ## 3987 sn1-specific diacylglycerol lipase alpha isoform X1
 ## 3988 sn1-specific diacylglycerol lipase alpha isoform X1
 ## 3989 sn1-specific diacylglycerol lipase alpha isoform X1
 ## 3990 sn1-specific diacylglycerol lipase alpha isoform X1
 ## 3991 sn1-specific diacylglycerol lipase alpha isoform X1
 ## 3992 sn1-specific diacylglycerol lipase alpha isoform X1
 ## 3993 uncharacterized LOC116410315
 ## 3994 uncharacterized LOC116410314
 ## 3995 uncharacterized LOC108647379
 ## 3996 uncharacterized LOC108647378, transcript variant X2
 ## 3997 uncharacterized LOC108647378, transcript variant X2
 ## 3998 sn1-specific diacylglycerol lipase alpha-like isoform X1
 ## 3999 uncharacterized LOC116410316
 ## 4000 uncharacterized LOC101733421, transcript variant X2
 ## 4001 uncharacterized LOC101733421, transcript variant X2
 ## 4002 uncharacterized LOC116410317
 ## 4003 uncharacterized LOC116410318
 ## 4004 uncharacterized LOC101733500
 ## 4005 tRNA-Ala
 ## 4006 protein phosphatase 1 regulatory subunit 12A isoform X1
 ## 4007 tRNA-Ala
 ## 4008 interferon-induced transmembrane protein 1-like isoform X1
 ## 4009 interferon-induced transmembrane protein 1-like isoform X1
 ## 4010 uncharacterized LOC101734551

## 4011	uncharacterized LOC116410541
## 4012	uncharacterized LOC116410320
## 4013	uncharacterized LOC108647386
## 4014	uncharacterized LOC116410322
## 4015	vomeronasal type-2 receptor 26-like
## 4016	uncharacterized gene
## 4017	uncharacterized LOC116410325
## 4018	uncharacterized LOC116410329
## 4019	uncharacterized LOC116410333
## 4020	uncharacterized LOC116410330
## 4021	uncharacterized LOC116410331
## 4022	uncharacterized LOC105947262
## 4023	uncharacterized LOC116410332
## 4024	uncharacterized LOC116410337
## 4025	uncharacterized LOC116410338
## 4026	uncharacterized LOC116410336
## 4027	chitinase domain containing 1
## 4028	uncharacterized LOC116410340
## 4029	cell cycle exit and neuronal differentiation 1
## 4030	uncharacterized LOC116410342
## 4031	uncharacterized LOC100487206
## 4032	uncharacterized LOC116410343
## 4033	double PHD fingers 2
## 4034	uncharacterized LOC116410276
## 4035	uncharacterized LOC116410344
## 4036	uncharacterized gene
## 4037	uncharacterized gene
## 4038	uncharacterized gene
## 4039	uncharacterized gene
## 4040	uncharacterized LOC116410545
## 4041	uncharacterized gene
## 4042	uncharacterized LOC116410546
## 4043	basic leucine zipper transcriptional factor ATF-like 2 isoform X1
## 4044	protein kinase C-like
## 4045	protein kinase C-like
## 4046	microRNA mir-194-2
## 4047	microRNA mir-192
## 4048	tRNA-Thr
## 4049	tRNA-Thr
## 4050	tRNA-Thr
## 4051	tRNA-Thr
## 4052	tRNA-Thr
## 4053	tRNA-Thr
## 4054	tRNA-Thr
## 4055	tRNA-Thr
## 4056	tRNA-Thr
## 4057	tRNA-Thr
## 4058	tRNA-Thr
## 4059	tRNA-Thr
## 4060	tRNA-Thr
## 4061	tRNA-Thr
## 4062	tRNA-Thr
## 4063	tRNA-Thr
## 4064	uncharacterized LOC116410346, transcript variant X2

## 4065	uncharacterized LOC116410346, transcript variant X2
## 4066	uncharacterized LOC101732269, transcript variant X2
## 4067	uncharacterized LOC101732269, transcript variant X2
## 4068	uncharacterized LOC116410347
## 4069	uncharacterized LOC108647425
## 4070	tRNA-Thr
## 4071	tRNA-Thr
## 4072	tRNA-Thr
## 4073	tRNA-Thr
## 4074	tRNA-Thr
## 4075	uncharacterized LOC101731863
## 4076	uncharacterized LOC116410350
## 4077	uncharacterized LOC116410349
## 4078	uncharacterized LOC116410348
## 4079	uncharacterized LOC105947280
## 4080	tRNA-Val
## 4081	tRNA-Val
## 4082	tRNA-Val
## 4083	uncharacterized LOC116410351
## 4084	tRNA-Val
## 4085	tRNA-Val
## 4086	tRNA-Ile
## 4087	tRNA-Val
## 4088	tRNA-Trp
## 4089	tRNA-Val
## 4090	tRNA-Thr
## 4091	tRNA-Ser
## 4092	tRNA-Thr
## 4093	tRNA-Ala
## 4094	tRNA-Ala
## 4095	tRNA-Thr
## 4096	tRNA-Ala
## 4097	tRNA-Thr
## 4098	tRNA-Trp
## 4099	tRNA-Ala
## 4100	tRNA-Ala
## 4101	tRNA-Trp
## 4102	tRNA-Trp
## 4103	tRNA-Trp
## 4104	tRNA-Trp
## 4105	tRNA-Gln
## 4106	tRNA-Thr
## 4107	tRNA-Trp
## 4108	tRNA-Thr
## 4109	uncharacterized gene
## 4110	uncharacterized LOC116410352
## 4111	microRNA mir-210
## 4112	uncharacterized LOC116410353
## 4113	uncharacterized gene
## 4114	uncharacterized LOC116410356
## 4115	uncharacterized LOC116410354, transcript variant X2
## 4116	uncharacterized LOC116410354, transcript variant X2
## 4117	uncharacterized LOC116410355
## 4118	uncharacterized LOC116410358

## 4119	uncharacterized LOC100492571
## 4120	uncharacterized LOC105945466
## 4121	uncharacterized LOC100486597
## 4122	small nucleolar RNA U25
## 4123	small nucleolar RNA SNORD26
## 4124	small nucleolar RNA SNORD27
## 4125	small nucleolar RNA SNORD28
## 4126	small nucleolar RNA SNORD22
## 4127	small nucleolar RNA SNORD31
## 4128	small nucleolar RNA SNORD29
## 4129	small nucleolar RNA SNORD30
## 4130	small nucleolar RNA SNORD31
## 4131	echinoderm microtubule-associated protein-like 3
## 4132	small nucleolar RNA SNORD31
## 4133	small nucleolar RNA SNORA57
## 4134	uncharacterized LOC116410563
## 4135	tRNA-Gln
## 4136	tRNA-Gln
## 4137	tRNA-Gln
## 4138	tRNA-Ile
## 4139	tRNA-Gln
## 4140	tRNA-Gln
## 4141	tRNA-Gln
## 4142	tRNA-Ile
## 4143	tRNA-Gln
## 4144	tRNA-Gln
## 4145	tRNA-Gln
## 4146	tRNA-Ile
## 4147	tRNA-Gln
## 4148	tRNA-Gln
## 4149	tRNA-Gln
## 4150	tRNA-Gln
## 4151	tRNA-Gln
## 4152	tRNA-Gln
## 4153	tRNA-Ile
## 4154	tRNA-Gln
## 4155	tRNA-Gln
## 4156	tRNA-Gln
## 4157	tRNA-Ile
## 4158	tRNA-Gln
## 4159	tRNA-Gln
## 4160	tRNA-Gln
## 4161	tRNA-Ile
## 4162	tRNA-Gln
## 4163	tRNA-Gln
## 4164	tRNA-Gln
## 4165	tRNA-Ile
## 4166	tRNA-Gln
## 4167	tRNA-Gln
## 4168	tRNA-Gln
## 4169	tRNA-Ile
## 4170	tRNA-Gln
## 4171	tRNA-Gln
## 4172	tRNA-Gln

## 4173	tRNA-Ile
## 4174	tRNA-Gln
## 4175	tRNA-Gln
## 4176	tRNA-Gln
## 4177	tRNA-Ile
## 4178	tRNA-Gln
## 4179	tRNA-Gln
## 4180	tRNA-Gln
## 4181	tRNA-Ile
## 4182	tRNA-Gln
## 4183	tRNA-Gln
## 4184	tRNA-Gln
## 4185	tRNA-Ile
## 4186	tRNA-Gln
## 4187	tRNA-Gln
## 4188	tRNA-Gln
## 4189	tRNA-Ile
## 4190	tRNA-Gln
## 4191	tRNA-Gln
## 4192	tRNA-Gln
## 4193	tRNA-Gln
## 4194	tRNA-Gln
## 4195	tRNA-Gln
## 4196	tRNA-Gln
## 4197	tRNA-Ile
## 4198	tRNA-Gln
## 4199	tRNA-Gln
## 4200	tRNA-Gln
## 4201	tRNA-Gln
## 4202	tRNA-Gln
## 4203	tRNA-Gln
## 4204	tRNA-Ile
## 4205	tRNA-Gln
## 4206	tRNA-Gln
## 4207	tRNA-Gln
## 4208	tRNA-Ile
## 4209	tRNA-Gln
## 4210	tRNA-Gln
## 4211	tRNA-Gln
## 4212	tRNA-Ile
## 4213	tRNA-Gln
## 4214	tRNA-Gln
## 4215	tRNA-Gln
## 4216	tRNA-Ile
## 4217	tRNA-Gln
## 4218	tRNA-Gln
## 4219	tRNA-Gln
## 4220	tRNA-Ile
## 4221	tRNA-Gln
## 4222	tRNA-Gln
## 4223	tRNA-Gln
## 4224	tRNA-Ile
## 4225	tRNA-Gln
## 4226	tRNA-Gln

## 4227		tRNA-Gln
## 4228		tRNA-Ile
## 4229		tRNA-Gln
## 4230		tRNA-Gln
## 4231		tRNA-Gln
## 4232		tRNA-Ile
## 4233		tRNA-Gln
## 4234		tRNA-Gln
## 4235		tRNA-Gln
## 4236		tRNA-Ile
## 4237		tRNA-Ala
## 4238		tRNA-Ala
## 4239		tRNA-Ala
## 4240		tRNA-Ala
## 4241		tRNA-Leu
## 4242		tRNA-Leu
## 4243		tRNA-Leu
## 4244		tRNA-Gln
## 4245		tRNA-Leu
## 4246		tRNA-Leu
## 4247		tRNA-Leu
## 4248		tRNA-Leu
## 4249		tRNA-Leu
## 4250		tRNA-Gln
## 4251		tRNA-Asp
## 4252		tRNA-Asp
## 4253	uncharacterized LOC101732770	
## 4254	uncharacterized LOC116410362	
## 4255		tRNA-Ile
## 4256	transmembrane protein 272 isoform X2	
## 4257	uncharacterized LOC101733257, transcript variant X2	
## 4258	uncharacterized LOC101733257, transcript variant X2	
## 4259		tRNA-Ala
## 4260		tRNA-Thr
## 4261	uncharacterized LOC116410365	
## 4262	uncharacterized LOC116410367, transcript variant X2	
## 4263	uncharacterized LOC116410367, transcript variant X2	
## 4264	uncharacterized LOC116410366, transcript variant X2	
## 4265	uncharacterized LOC116410366, transcript variant X2	
## 4266	XenBase Gene 105947229	
## 4267	uncharacterized LOC105947228	
## 4268	uncharacterized LOC105947227, transcript variant X1	
## 4269	uncharacterized LOC105947227, transcript variant X1	
## 4270	uncharacterized LOC116410553	
## 4271	uncharacterized LOC101731264	
## 4272	uncharacterized LOC101731219	
## 4273	dipeptidase 2 isoform X1	
## 4274	uncharacterized LOC116410368	
## 4275	uncharacterized LOC101731526, transcript variant X1	
## 4276	uncharacterized LOC101731526, transcript variant X1	
## 4277	uncharacterized LOC116410369	
## 4278	zinc finger protein 423 isoform X1	
## 4279	uncharacterized gene	
## 4280	uncharacterized LOC105947239	

4281 uncharacterized LOC108647434, transcript variant X2
 ## 4282 uncharacterized LOC108647434, transcript variant X2
 ## 4283 uncharacterized gene
 ## 4284 uncharacterized LOC116410374
 ## 4285 uncharacterized gene
 ## 4286 uncharacterized LOC105945554
 ## 4287 uncharacterized LOC116410373, transcript variant X2
 ## 4288 uncharacterized LOC116410373, transcript variant X2
 ## 4289 uncharacterized LOC105945696
 ## 4290 uncharacterized LOC101733854
 ## 4291 uncharacterized gene
 ## 4292 uncharacterized LOC116410550, transcript variant X2
 ## 4293 uncharacterized LOC116410550, transcript variant X2
 ## 4294 uncharacterized LOC116406498, transcript variant X2
 ## 4295 uncharacterized LOC116406498, transcript variant X2
 ## 4296 uncharacterized LOC100487280
 ## 4297 uncharacterized LOC116410378
 ## 4298 uncharacterized LOC116406480
 ## 4299 uncharacterized LOC116410551
 ## 4300 uncharacterized LOC116410383
 ## 4301 uncharacterized gene
 ## 4302 uncharacterized LOC101731451
 ## 4303 uncharacterized LOC105945484
 ## 4304 uncharacterized gene
 ## 4305 uncharacterized LOC105947224
 ## 4306 uncharacterized LOC116410390
 ## 4307 uncharacterized LOC116410392
 ## 4308 uncharacterized LOC116410554
 ## 4309 uncharacterized LOC116410555
 ## 4310 uncharacterized LOC116410556
 ## 4311 uncharacterized LOC116410557
 ## 4312 uncharacterized LOC105947231, transcript variant X2
 ## 4313 uncharacterized LOC105947231, transcript variant X2
 ## 4314 uncharacterized LOC105947232
 ## 4315 uncharacterized LOC116410393
 ## 4316 uncharacterized gene
 ## 4317 uncharacterized LOC108647443
 ## 4318 uncharacterized LOC116410395
 ## 4319 uncharacterized LOC116410558
 ## 4320 uncharacterized LOC116410306
 ## 4321 uncharacterized LOC116410565
 ## 4322 uncharacterized LOC116410397, transcript variant X4
 ## 4323 uncharacterized LOC116410397, transcript variant X4
 ## 4324 uncharacterized LOC116410397, transcript variant X4
 ## 4325 uncharacterized LOC116410397, transcript variant X4
 ## 4326 uncharacterized LOC116410398
 ## 4327 uncharacterized LOC116410559
 ## 4328 acyl-CoA synthetase family member 3
 ## 4329 acyl-CoA synthetase family member 3
 ## 4330 uncharacterized protein LOC100489253 isoform X1
 ## 4331 small nucleolar RNA MBII-202
 ## 4332 small nucleolar RNA MBII-202
 ## 4333 small nucleolar RNA MBII-202
 ## 4334 small nucleolar RNA SNORD71

## 4335	Fanconi anemia group A protein isoform X1
## 4336	uncharacterized LOC108647446
## 4337	uncharacterized LOC116410560
## 4338	uncharacterized LOC116410561
## 4339	uncharacterized LOC105947112
## 4340	uncharacterized LOC105947251
## 4341	uncharacterized LOC116410400
## 4342	uncharacterized LOC105947250, transcript variant X2
## 4343	uncharacterized LOC105947250, transcript variant X2
## 4344	microRNA mir-140
## 4345	uncharacterized LOC116410401
## 4346	uncharacterized LOC116410402
## 4347	uncharacterized LOC116410403
## 4348	uncharacterized LOC105947670
## 4349	uncharacterized LOC116410404
## 4350	uncharacterized LOC100495799, transcript variant X2
## 4351	uncharacterized LOC100495799, transcript variant X2
## 4352	uncharacterized LOC100495799, transcript variant X2
## 4353	uncharacterized LOC101733208
## 4354	U6 spliceosomal RNA
## 4355	uncharacterized LOC108647449
## 4356	tRNA-Met
## 4357	zinc finger CCHC-type containing 14
## 4358	U4 spliceosomal RNA
## 4359	uncharacterized LOC116410407
## 4360	tRNA-Thr
## 4361	chromosome 19 open reading frame 12
## 4362	uncharacterized LOC105945955
## 4363	uncharacterized gene
## 4364	uncharacterized LOC116410564
## 4365	uncharacterized LOC116410410
## 4366	uncharacterized LOC116410411
## 4367	uncharacterized LOC116410413
## 4368	tRNA-Gly
## 4369	tRNA-Gly
## 4370	tRNA-Gly
## 4371	tRNA-Gly
## 4372	tRNA-Gly
## 4373	tRNA-Gly
## 4374	tRNA-Gly
## 4375	uncharacterized LOC116410414
## 4376	U6 snRNA biogenesis phosphodiesterase 1
## 4377	uncharacterized LOC100490462
## 4378	collagen, type XXIV, alpha 1
## 4379	uncharacterized LOC116410415
## 4380	uncharacterized LOC116410416
## 4381	uncharacterized protein LOC101731929
## 4382	uncharacterized LOC105946989
## 4383	tRNA-Val
## 4384	tRNA-Val
## 4385	uncharacterized LOC116410417
## 4386	tctex1 domain-containing protein 1
## 4387	uncharacterized LOC116410418, transcript variant X2
## 4388	uncharacterized LOC116410418, transcript variant X2

## 4389	microRNA mir-101a-2
## 4390	uncharacterized LOC105946991
## 4391	TM2 domain-containing protein 1
## 4392	uncharacterized LOC116410419
## 4393	uncharacterized LOC105946992
## 4394	uncharacterized LOC108647362, transcript variant X2
## 4395	uncharacterized LOC108647362, transcript variant X2
## 4396	uncharacterized LOC116410421
## 4397	uncharacterized LOC116410215
## 4398	microRNA mir-27c-1
## 4399	microRNA mir-23a-2
## 4400	uncharacterized LOC105946996
## 4401	uncharacterized LOC116410423
## 4402	small nucleolar RNA SNORA35
## 4403	uncharacterized LOC116410424
## 4404	small nucleolar RNA SNORD38
## 4405	small nucleolar RNA SNORD55/SNORD39
## 4406	small nucleolar RNA SNORD38
## 4407	small nucleolar RNA SNORD38
## 4408	small nucleolar RNA SNORD38
## 4409	small nucleolar RNA SNORD55/SNORD39
## 4410	small nucleolar RNA SNORA35
## 4411	small nucleolar RNA SNORD38
## 4412	small nucleolar RNA SNORD46
## 4413	U5 spliceosomal RNA
## 4414	U5 spliceosomal RNA
## 4415	U5 spliceosomal RNA
## 4416	U5 spliceosomal RNA
## 4417	U5 spliceosomal RNA
## 4418	U5 spliceosomal RNA
## 4419	U5 spliceosomal RNA
## 4420	U5 spliceosomal RNA
## 4421	U5 spliceosomal RNA
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## 4427	U5 spliceosomal RNA
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## 4431	U5 spliceosomal RNA
## 4432	U5 spliceosomal RNA
## 4433	U5 spliceosomal RNA
## 4434	U5 spliceosomal RNA
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## 4443	U5 spliceosomal RNA
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## 4465	U5 spliceosomal RNA
## 4466	U5 spliceosomal RNA
## 4467	U5 spliceosomal RNA
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## 4470	U5 spliceosomal RNA
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## 4473	U5 spliceosomal RNA
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## 4475	U5 spliceosomal RNA
## 4476	U5 spliceosomal RNA
## 4477	U5 spliceosomal RNA
## 4478	U5 spliceosomal RNA
## 4479	U5 spliceosomal RNA
## 4480	U5 spliceosomal RNA
## 4481	U5 spliceosomal RNA
## 4482	U5 spliceosomal RNA
## 4483	U5 spliceosomal RNA
## 4484	uncharacterized gene
## 4485	uncharacterized LOC116410216
## 4486	uncharacterized LOC116410426
## 4487	uncharacterized gene
## 4488	uncharacterized LOC116410427
## 4489	uncharacterized LOC116410396
## 4490	uncharacterized LOC101734422
## 4491	uncharacterized gene
## 4492	uncharacterized LOC105947002
## 4493	coiled-coil and C2 domain-containing protein 1B isoform X1
## 4494	uncharacterized LOC116410428, transcript variant X2
## 4495	uncharacterized LOC116410428, transcript variant X2
## 4496	small nucleolar RNA SNORD74

4497 small nucleolar RNA SNORD79
 ## 4498 small nucleolar RNA snR60/Z15/Z230/Z193/J17
 ## 4499 small nucleolar RNA SNORD78
 ## 4500 small nucleolar RNA SNORD47
 ## 4501 small nucleolar RNA SNORD75
 ## 4502 small nucleolar RNA snR60/Z15/Z230/Z193/J17
 ## 4503 small nucleolar RNA snR60/Z15/Z230/Z193/J17
 ## 4504 small nucleolar RNA SNORD47
 ## 4505 uncharacterized protein KIAA0040 homolog
 ## 4506 uncharacterized LOC105947150
 ## 4507 uncharacterized LOC105947005, transcript variant X2
 ## 4508 uncharacterized LOC105947005, transcript variant X2
 ## 4509 uncharacterized LOC105947007, transcript variant X2
 ## 4510 uncharacterized LOC105947007, transcript variant X2
 ## 4511 uncharacterized LOC105947285
 ## 4512 uncharacterized LOC101734396
 ## 4513 uncharacterized LOC101734344
 ## 4514 uncharacterized LOC105947284
 ## 4515 uncharacterized LOC105947287, transcript variant X2
 ## 4516 uncharacterized LOC105947287, transcript variant X2
 ## 4517 uncharacterized LOC116410382
 ## 4518 uncharacterized LOC116410430
 ## 4519 microRNA mir-137-1
 ## 4520 tRNA-Arg
 ## 4521 uncharacterized LOC116410431
 ## 4522 uncharacterized LOC105947290
 ## 4523 uncharacterized LOC116410432
 ## 4524 uncharacterized LOC116410433
 ## 4525 uncharacterized LOC116410434
 ## 4526 uncharacterized LOC116410217
 ## 4527 uncharacterized LOC116410435
 ## 4528 uncharacterized gene
 ## 4529 uncharacterized LOC116410436
 ## 4530 microRNA mir-199a
 ## 4531 microRNA mir-214
 ## 4532 uncharacterized LOC116410438
 ## 4533 RNA binding region (RNP1, RRM) containing 3
 ## 4534 tRNA-Gly
 ## 4535 uncharacterized LOC116410439
 ## 4536 uncharacterized LOC116410441
 ## 4537 microRNA mir-181b-1
 ## 4538 microRNA mir-181a-1
 ## 4539 uncharacterized gene
 ## 4540 uncharacterized LOC105946973
 ## 4541 uncharacterized LOC116410444
 ## 4542 uncharacterized LOC116410445, transcript variant X2
 ## 4543 uncharacterized LOC116410445, transcript variant X2
 ## 4544 uncharacterized LOC105946975, transcript variant X3
 ## 4545 uncharacterized LOC105946975, transcript variant X3
 ## 4546 uncharacterized LOC105946975, transcript variant X3
 ## 4547 uncharacterized LOC100487502
 ## 4548 U12 minor spliceosomal RNA
 ## 4549 U12 minor spliceosomal RNA
 ## 4550 U12 minor spliceosomal RNA

## 4551	U12 minor spliceosomal RNA
## 4552	U12 minor spliceosomal RNA
## 4553	U12 minor spliceosomal RNA
## 4554	U12 minor spliceosomal RNA
## 4555	U12 minor spliceosomal RNA
## 4556	uncharacterized LOC108647464
## 4557	small nucleolar RNA SNORA62/SNORA6 family
## 4558	small nucleolar RNA SNORA62/SNORA6 family
## 4559	small nucleolar RNA SNORA62/SNORA6 family
## 4560	uncharacterized LOC116410446
## 4561	lethal(3)malignant brain tumor-like protein 2 isoform X2
## 4562	uncharacterized LOC116410290
## 4563	uncharacterized LOC116410448
## 4564	uncharacterized LOC105947123
## 4565	uncharacterized LOC105947125
## 4566	hydroxysteroid (17-beta) dehydrogenase 7
## 4567	leucine-rich repeat-containing protein 52
## 4568	uncharacterized LOC116410451
## 4569	microRNA mir-33b
## 4570	small nucleolar RNA U83B
## 4571	uncharacterized LOC101731822
## 4572	uncharacterized LOC116410453
## 4573	uncharacterized LOC105946980
## 4574	uncharacterized LOC105946981
## 4575	uncharacterized loc100145554
## 4576	uncharacterized LOC108647466, transcript variant X2
## 4577	uncharacterized LOC108647466, transcript variant X2
## 4578	small nucleolar RNA SNORA84
## 4579	uncharacterized LOC116410237
## 4580	uncharacterized LOC116410238
## 4581	uncharacterized gene
## 4582	uncharacterized LOC116410239
## 4583	uncharacterized LOC105946041
## 4584	uncharacterized LOC105945453
## 4585	uncharacterized protein LOC105947715
## 4586	cadherin-related family member 4 isoform X1
## 4587	uncharacterized LOC116410458
## 4588	uncharacterized LOC116410457
## 4589	uncharacterized LOC116410459
## 4590	uncharacterized LOC116410240
## 4591	microRNA let-7g
## 4592	uncharacterized LOC100493054
## 4593	uncharacterized LOC116410461
## 4594	vomeronasal type-2 receptor 26-like
## 4595	tRNA-Arg
## 4596	tRNA-Gln
## 4597	tRNA-Arg
## 4598	tRNA-Arg
## 4599	tRNA-Arg
## 4600	tRNA-Arg
## 4601	uncharacterized gene
## 4602	uncharacterized LOC116410465
## 4603	U2 spliceosomal RNA
## 4604	uncharacterized LOC116410466

4605 protein SSUH2 homolog
 ## 4606 methyl-CpG binding domain 4, DNA glycosylase
 ## 4607 uncharacterized LOC116410467
 ## 4608 uncharacterized LOC105947017
 ## 4609 uncharacterized LOC116410469
 ## 4610 uncharacterized LOC116410470
 ## 4611 uncharacterized LOC116410471
 ## 4612 uncharacterized LOC116410472
 ## 4613 uncharacterized gene
 ## 4614 uncharacterized LOC101735185
 ## 4615 microRNA mir-205b
 ## 4616 tRNA-Asn
 ## 4617 tRNA-Phe
 ## 4618 uncharacterized gene
 ## 4619 microRNA mir-425
 ## 4620 microRNA mir-191
 ## 4621 uncharacterized LOC105947016, transcript variant X2
 ## 4622 uncharacterized LOC105947016, transcript variant X2
 ## 4623 uncharacterized gene
 ## 4624 transcriptional adaptor 3
 ## 4625 LHFPL tetraspan subfamily member 4
 ## 4626 uncharacterized LOC116410278
 ## 4627 uncharacterized LOC116410302
 ## 4628 uncharacterized LOC116410279
 ## 4629 glucoside xylosyltransferase 2
 ## 4630 uncharacterized LOC116410476
 ## 4631 uncharacterized gene
 ## 4632 ADAM metalloproteinase with thrombospondin type 1 motif 9
 ## 4633 ADAM metalloproteinase with thrombospondin type 1 motif 9
 ## 4634 uncharacterized LOC116410283
 ## 4635 uncharacterized LOC116410478
 ## 4636 uncharacterized LOC116410284
 ## 4637 phosphodiesterase 12
 ## 4638 uncharacterized LOC116410479
 ## 4639 uncharacterized LOC100497741, transcript variant X2
 ## 4640 uncharacterized LOC100497741, transcript variant X2
 ## 4641 uncharacterized LOC116410480
 ## 4642 uncharacterized LOC105947034
 ## 4643 uncharacterized LOC116410482
 ## 4644 uncharacterized LOC116410484
 ## 4645 microRNA let-7e-1
 ## 4646 uncharacterized gene
 ## 4647 U4atac minor spliceosomal RNA
 ## 4648 uncharacterized gene
 ## 4649 uncharacterized LOC116410489
 ## 4650 inter-alpha-trypsin inhibitor heavy chain H3
 ## 4651 uncharacterized gene
 ## 4652 small nucleolar RNA SNORD19
 ## 4653 ribosomal RNA processing 36
 ## 4654 uncharacterized gene
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 ## 4656 5S ribosomal RNA
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## 4818	uncharacterized LOC116410797
## 4819	uncharacterized gene
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## 4821	uncharacterized gene
## 4822	uncharacterized gene
## 4823	uncharacterized LOC116410924
## 4824	serum response factor isoform X1
## 4825	uncharacterized LOC116410944
## 4826	exportin-5 isoform X1
## 4827	ATP binding cassette subfamily C member 10
## 4828	alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
## 4829	uncharacterized LOC116410850
## 4830	uncharacterized LOC116411114, transcript variant X2
## 4831	uncharacterized LOC116411114, transcript variant X2
## 4832	uncharacterized LOC116410881
## 4833	uncharacterized protein MGC86483
## 4834	small nucleolar RNA SNORD53/SNORD92
## 4835	small nucleolar RNA SNORD53/SNORD92
## 4836	small nucleolar RNA SNORD53/SNORD92
## 4837	small nucleolar RNA SNORD53/SNORD92
## 4838	small nucleolar RNA SNORD53/SNORD92
## 4839	small nucleolar RNA SNORD53/SNORD92
## 4840	uncharacterized LOC116411084
## 4841	uncharacterized LOC108647646
## 4842	uncharacterized gene
## 4843	tRNA-Ala
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## 4872	tRNA-Glu
## 4873	tRNA-Ala
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## 4887	tRNA-Ala
## 4888	uncharacterized LOC116410903
## 4889	uncharacterized LOC116410901
## 4890	tRNA-Ser
## 4891	uncharacterized LOC116410837
## 4892	uncharacterized LOC116410932
## 4893	uncharacterized LOC105947462, transcript variant X2
## 4894	uncharacterized LOC105947462, transcript variant X2
## 4895	microRNA mir-194-1
## 4896	microRNA mir-215
## 4897	uncharacterized gene
## 4898	uncharacterized gene
## 4899	tyrosine-protein phosphatase non-receptor type 14
## 4900	uncharacterized LOC116411107
## 4901	uncharacterized LOC116411123
## 4902	uncharacterized LOC116411098
## 4903	uncharacterized LOC116410914
## 4904	uncharacterized LOC116410915
## 4905	uncharacterized LOC105947013, transcript variant X2
## 4906	uncharacterized LOC105947013, transcript variant X2
## 4907	uncharacterized LOC116411119
## 4908	tRNA-Ile
## 4909	uncharacterized LOC116410900
## 4910	uncharacterized LOC116410802
## 4911	prolyl endopeptidase-like
## 4912	tRNA-Cys
## 4913	tRNA-Cys
## 4914	tRNA-Cys
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## 4917	tRNA-Cys
## 4918	tRNA-Cys
## 4919	tRNA-Cys
## 4920	tRNA-His
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## 4952		tRNA-Arg
## 4953		tRNA-Cys
## 4954		tRNA-Cys
## 4955	uncharacterized LOC116410799	
## 4956	uncharacterized gene	
## 4957	uncharacterized gene	
## 4958	uncharacterized LOC108647651, transcript variant X3	
## 4959	uncharacterized LOC108647651, transcript variant X3	
## 4960	uncharacterized LOC108647651, transcript variant X3	
## 4961	uncharacterized LOC105947455	
## 4962	uncharacterized LOC116410855	
## 4963	uncharacterized LOC116410928	
## 4964	uncharacterized LOC105947452, transcript variant X4	
## 4965	uncharacterized LOC105947452, transcript variant X4	
## 4966	uncharacterized LOC105947452, transcript variant X4	
## 4967	uncharacterized LOC105947452, transcript variant X4	
## 4968	uncharacterized LOC101732612, transcript variant X2	
## 4969	uncharacterized LOC101732612, transcript variant X2	
## 4970	uncharacterized LOC105947449	
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## 4979	uncharacterized LOC116411066	
## 4980	uncharacterized LOC116410790	
## 4981	uncharacterized LOC116410842	
## 4982	uncharacterized LOC116411096, transcript variant X2	

## 4983	uncharacterized LOC116411096, transcript variant X2
## 4984	uncharacterized LOC116410906
## 4985	uncharacterized LOC116410905
## 4986	uncharacterized LOC116410888
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## 4988	uncharacterized LOC105947326
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## 4991	uncharacterized LOC101734623
## 4992	uncharacterized LOC116410946
## 4993	uncharacterized LOC108647655
## 4994	uncharacterized LOC116410808
## 4995	ribosomal protein L34 pseudogene
## 4996	microRNA mir-216
## 4997	microRNA mir-217
## 4998	uncharacterized LOC116410807
## 4999	uncharacterized LOC116411077, transcript variant X2
## 5000	uncharacterized LOC116411077, transcript variant X2
## 5001	uncharacterized LOC116411076, transcript variant X2
## 5002	uncharacterized LOC116411076, transcript variant X2
## 5003	uncharacterized gene
## 5004	uncharacterized LOC105947360
## 5005	uncharacterized LOC116410883
## 5006	uncharacterized LOC105945673, transcript variant X1
## 5007	uncharacterized LOC105945673, transcript variant X1
## 5008	uncharacterized LOC105947441, transcript variant X1
## 5009	uncharacterized LOC105947441, transcript variant X1
## 5010	transcription factor Ovo-like 2
## 5011	uncharacterized LOC116410847
## 5012	uncharacterized gene
## 5013	uncharacterized LOC101731568, transcript variant X2
## 5014	uncharacterized LOC101731568, transcript variant X2
## 5015	sorting nexin-5-like
## 5016	uncharacterized LOC101731856, transcript variant X1
## 5017	uncharacterized LOC101731856, transcript variant X1
## 5018	uncharacterized LOC116411103
## 5019	uncharacterized gene
## 5020	uncharacterized LOC101730793, transcript variant X2
## 5021	uncharacterized LOC101730793, transcript variant X2
## 5022	uncharacterized LOC101730793, transcript variant X2
## 5023	mitoregulin
## 5024	HEAT repeat containing 1
## 5025	uncharacterized LOC108647666
## 5026	uncharacterized protein LOC101734088
## 5027	uncharacterized protein LOC101734088
## 5028	uncharacterized LOC105947439
## 5029	small nucleolar RNA SNORA29
## 5030	small nucleolar RNA SNORA29
## 5031	probable tubulin polyglutamylase TTL2
## 5032	tRNA-Leu
## 5033	tRNA-Leu
## 5034	tRNA-Leu
## 5035	tRNA-Leu
## 5036	uncharacterized LOC105947438

5037 uncharacterized LOC116410890
 ## 5038 uncharacterized LOC116410879
 ## 5039 uncharacterized gene
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 ## 5041 uncharacterized LOC101732544, transcript variant X5
 ## 5042 uncharacterized LOC101732544, transcript variant X5
 ## 5043 uncharacterized LOC101732544, transcript variant X5
 ## 5044 uncharacterized LOC101732544, transcript variant X5
 ## 5045 uncharacterized LOC101732544, transcript variant X5
 ## 5046 uncharacterized LOC116410908, transcript variant X20
 ## 5047 uncharacterized LOC116410908, transcript variant X20
 ## 5048 uncharacterized LOC116410908, transcript variant X20
 ## 5049 uncharacterized LOC116410908, transcript variant X20
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 ## 5051 uncharacterized LOC116410908, transcript variant X20
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 ## 5063 uncharacterized LOC116410908, transcript variant X20
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 ## 5065 uncharacterized LOC116410908, transcript variant X20
 ## 5066 family with sequence similarity 120B
 ## 5067 uncharacterized LOC105947431
 ## 5068 uncharacterized LOC116410868
 ## 5069 SR-related and CTD-associated factor 8 isoform X2
 ## 5070 SR-related and CTD-associated factor 8 isoform X2
 ## 5071 SR-related and CTD-associated factor 8 isoform X2
 ## 5072 uncharacterized LOC116411073, transcript variant X2
 ## 5073 uncharacterized LOC116411073, transcript variant X2
 ## 5074 uncharacterized LOC108647668
 ## 5075 BCL2 associated transcription factor 1
 ## 5076 BCL2 associated transcription factor 1
 ## 5077 BCL2 associated transcription factor 1
 ## 5078 mitogen-activated protein kinase kinase kinase 5 isoform X1
 ## 5079 mitogen-activated protein kinase kinase kinase 5 isoform X1
 ## 5080 uncharacterized LOC116410851
 ## 5081 uncharacterized LOC116410857
 ## 5082 uncharacterized LOC108647671
 ## 5083 uncharacterized LOC108647627
 ## 5084 uncharacterized LOC105945991
 ## 5085 uncharacterized LOC105946457
 ## 5086 uncharacterized LOC116410895
 ## 5087 uncharacterized LOC116410841
 ## 5088 uncharacterized LOC116411105
 ## 5089 small integral membrane protein 28
 ## 5090 uncharacterized LOC108647628

5091 uncharacterized gene
 ## 5092 kinesin-like protein KIF27 isoform X2
 ## 5093 kinesin-like protein KIF27 isoform X2
 ## 5094 kinesin-like protein KIF27 isoform X2
 ## 5095 uncharacterized gene
 ## 5096 hdc homolog, cell cycle regulator
 ## 5097 uncharacterized LOC105947420
 ## 5098 uncharacterized LOC101731496
 ## 5099 uncharacterized LOC105947419, transcript variant X3
 ## 5100 uncharacterized LOC105947419, transcript variant X3
 ## 5101 uncharacterized LOC105947419, transcript variant X3
 ## 5102 uncharacterized LOC116411059
 ## 5103 androgen-induced 1
 ## 5104 sodium/potassium-transporting ATPase subunit beta-1-interacting protein 2
 ## 5105 uncharacterized protein LOC105947410
 ## 5106 uncharacterized LOC116410848
 ## 5107 uncharacterized LOC101730475
 ## 5108 uncharacterized LOC116410904
 ## 5109 A-kinase anchoring protein 7 gene 2
 ## 5110 uncharacterized LOC116410801
 ## 5111 small nucleolar RNA SNORD101
 ## 5112 small nucleolar RNA SNORD100
 ## 5113 small nucleolar RNA SNORD100
 ## 5114 uncharacterized LOC116411121
 ## 5115 uncharacterized LOC101731978, transcript variant X2
 ## 5116 uncharacterized LOC101731978, transcript variant X2
 ## 5117 cardiac phospholamban
 ## 5118 uncharacterized LOC105947413, transcript variant X3
 ## 5119 uncharacterized LOC105947413, transcript variant X3
 ## 5120 uncharacterized LOC105947413, transcript variant X3
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 ## 5123 uncharacterized LOC100487057, transcript variant X2
 ## 5124 uncharacterized LOC100487057, transcript variant X2
 ## 5125 uncharacterized LOC116410839
 ## 5126 uncharacterized LOC116410835
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 ## 5132 uncharacterized LOC116410938
 ## 5133 uncharacterized LOC101734322
 ## 5134 uncharacterized LOC105947405
 ## 5135 uncharacterized LOC101734212
 ## 5136 uncharacterized LOC100490489
 ## 5137 uncharacterized LOC116411060
 ## 5138 uncharacterized gene
 ## 5139 uncharacterized LOC105947401
 ## 5140 uncharacterized LOC116411085
 ## 5141 uncharacterized LOC108647678, transcript variant X4
 ## 5142 uncharacterized LOC108647678, transcript variant X4
 ## 5143 uncharacterized LOC108647678, transcript variant X4
 ## 5144 uncharacterized LOC108647678, transcript variant X4

## 5145	uncharacterized LOC116410853
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## 5147	uncharacterized LOC105947396
## 5148	tRNA-Ala
## 5149	uncharacterized LOC116410884
## 5150	uncharacterized LOC116410933
## 5151	microRNA mir-30a
## 5152	microRNA mir-30c-2
## 5153	uncharacterized LOC101734007
## 5154	uncharacterized LOC108647686
## 5155	uncharacterized LOC108647685
## 5156	uncharacterized LOC108647684, transcript variant X2
## 5157	uncharacterized LOC108647684, transcript variant X2
## 5158	uncharacterized LOC116411058
## 5159	KH domain containing, RNA binding, signal transduction associated 2
## 5160	uncharacterized LOC108647682, transcript variant X2
## 5161	uncharacterized LOC108647682, transcript variant X2
## 5162	uncharacterized gene
## 5163	uncharacterized LOC101733374
## 5164	3-hydroxymethyl-3-methylglutaryl-CoA lyase, cytoplasmic
## 5165	uncharacterized LOC116410912
## 5166	transmembrane protein 14A
## 5167	microcephalin 1
## 5168	uncharacterized LOC105947377
## 5169	dynein regulatory complex protein 9
## 5170	small nucleolar RNA SNORD20
## 5171	small nucleolar RNA SNORD82
## 5172	uncharacterized LOC116410916
## 5173	uncharacterized LOC105947374
## 5174	phosphodiesterase 6D, transcript variant X12
## 5175	phosphodiesterase 6D, transcript variant X12
## 5176	phosphodiesterase 6D, transcript variant X12
## 5177	phosphodiesterase 6D, transcript variant X12
## 5178	phosphodiesterase 6D, transcript variant X12
## 5179	phosphodiesterase 6D, transcript variant X12
## 5180	phosphodiesterase 6D, transcript variant X12
## 5181	phosphodiesterase 6D, transcript variant X12
## 5182	phosphodiesterase 6D, transcript variant X12
## 5183	phosphodiesterase 6D, transcript variant X12
## 5184	phosphodiesterase 6D, transcript variant X12
## 5185	phosphodiesterase 6D, transcript variant X12
## 5186	uncharacterized LOC116411122
## 5187	uncharacterized LOC105947375
## 5188	cholinergic receptor, nicotinic gamma
## 5189	uncharacterized LOC105947373
## 5190	uncharacterized LOC116410810
## 5191	tyrosine kinase, non-receptor, 2
## 5192	uncharacterized LOC116411100
## 5193	uncharacterized LOC116411120
## 5194	uncharacterized LOC105947296
## 5195	eukaryotic translation initiation factor 4A2
## 5196	small nucleolar RNA SNORA63
## 5197	small nucleolar RNA SNORA63
## 5198	small nucleolar RNA SNORA81

5199 small nucleolar RNA SNORD2
 ## 5200 small nucleolar RNA SNORD2
 ## 5201 uncharacterized LOC105947370, transcript variant X1
 ## 5202 uncharacterized LOC105947370, transcript variant X1
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 ## 5204 tetratricopeptide repeat protein 14
 ## 5205 uncharacterized LOC108645401
 ## 5206 uncharacterized LOC116410869
 ## 5207 uncharacterized LOC116411061
 ## 5208 microRNA mir-551b
 ## 5209 WD repeat domain 49
 ## 5210 uncharacterized LOC116410886
 ## 5211 small Cajal body-specific RNA 7
 ## 5212 microRNA mir-16b
 ## 5213 microRNA mir-15b
 ## 5214 uncharacterized LOC116410897
 ## 5215 uncharacterized LOC116411113, transcript variant X2
 ## 5216 uncharacterized LOC116411113, transcript variant X2
 ## 5217 uncharacterized LOC101734642
 ## 5218 uncharacterized gene
 ## 5219 uncharacterized gene
 ## 5220 uncharacterized LOC116410936
 ## 5221 uncharacterized LOC101732751
 ## 5222 TSC22 domain family protein 2 isoform X2
 ## 5223 uncharacterized gene
 ## 5224 uncharacterized LOC101732111
 ## 5225 uncharacterized LOC108647695
 ## 5226 uncharacterized LOC101732184
 ## 5227 uncharacterized LOC105947340
 ## 5228 uncharacterized LOC116410943
 ## 5229 uncharacterized LOC116410942
 ## 5230 zinc finger protein ZIC 4 isoform X1
 ## 5231 uncharacterized LOC116410951
 ## 5232 uncharacterized LOC101732988
 ## 5233 helicase-like transcription factor isoform X2
 ## 5234 uncharacterized LOC105945392, transcript variant X1
 ## 5235 uncharacterized LOC105945392, transcript variant X1
 ## 5236 uncharacterized LOC105945392, transcript variant X1
 ## 5237 uncharacterized LOC105948572
 ## 5238 uncharacterized LOC101732582, transcript variant X2
 ## 5239 uncharacterized LOC101732582, transcript variant X2
 ## 5240 uncharacterized LOC116410919
 ## 5241 uncharacterized LOC116410920
 ## 5242 serine/threonine kinase 25
 ## 5243 small Cajal body-specific RNA 6
 ## 5244 small Cajal body-specific RNA 6
 ## 5245 uncharacterized LOC116411072
 ## 5246 ankyrin repeat and MYND domain containing 1
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 ## 5251 tRNA-Gly
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## 5337	uncharacterized LOC105948528, transcript variant X2
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## 5339	uncharacterized LOC105948565
## 5340	uncharacterized LOC116410935
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## 5344	uncharacterized LOC116411064
## 5345	uncharacterized LOC105947387
## 5346	small nucleolar RNA SNORA73 family
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## 5357	integrin subunit beta 1 binding protein 1
## 5358	uncharacterized LOC108647640
## 5359	uncharacterized LOC116410844
## 5360	uncharacterized LOC116411069

5361 U2 spliceosomal RNA
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 ## 5365 small Cajal body-specific RNA 3
 ## 5366 small Cajal body-specific RNA 3
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 ## 5371 uncharacterized gene
 ## 5372 uncharacterized gene
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 ## 5376 serine/threonine-protein kinase SBK1
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 ## 5380 uncharacterized LOC116411079
 ## 5381 uncharacterized LOC108647708
 ## 5382 uncharacterized LOC105948523
 ## 5383 uncharacterized LOC116411097
 ## 5384 uncharacterized LOC100493754
 ## 5385 uncharacterized LOC116411104
 ## 5386 microRNA mir-206
 ## 5387 microRNA mir-133b
 ## 5388 uncharacterized LOC101730313
 ## 5389 tRNA-Leu
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 ## 5391 uncharacterized LOC108644797
 ## 5392 uncharacterized LOC116411099
 ## 5393 uncharacterized LOC108644836
 ## 5394 protein EFR3 homolog B
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 ## 5398 uncharacterized LOC116411117
 ## 5399 uncharacterized LOC116411116
 ## 5400 uncharacterized gene
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 ## 5409 uncharacterized protein LOC105947221
 ## 5410 vomeronasal type-2 receptor 26
 ## 5411 vomeronasal type-2 receptor 26-like
 ## 5412 vomeronasal type-2 receptor 26-like
 ## 5413 vomeronasal type-2 receptor 26-like
 ## 5414 vomeronasal type-2 receptor 26-like

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## 5415                uncharacterized LOC116410789
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## 5436                uncharacterized LOC116410800
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## 5462                uncharacterized LOC108645175, transcript variant X3
## 5463                uncharacterized LOC108645175, transcript variant X3
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## 5465                uncharacterized LOC108645175, transcript variant X3
## 5466                tRNA-Glu
## 5467                tRNA-Ala
## 5468                tRNA-Glu

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## 5469	tRNA-Ala
## 5470	tRNA-Glu
## 5471	tRNA-Ala
## 5472	tRNA-Tyr
## 5473	tRNA-Glu
## 5474	tRNA-Ala
## 5475	tRNA-Tyr
## 5476	tRNA-Tyr
## 5477	tRNA-Glu
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## 5481	uncharacterized LOC116410819
## 5482	vomeronasal type-2 receptor 26
## 5483	uncharacterized LOC116410820
## 5484	uncharacterized LOC116410823
## 5485	sterile alpha motif domain-containing protein 12
## 5486	uncharacterized LOC116410830
## 5487	uncharacterized protein qrich112 isoform X1
## 5488	zinc finger protein 436-like
## 5489	vomeronasal type-2 receptor 26-like
## 5490	uncharacterized LOC116410832, transcript variant X4
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## 5508	uncharacterized LOC105945513
## 5509	uncharacterized LOC116411681
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## 5512	uncharacterized LOC101731387, transcript variant X1
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 ## 5543 uncharacterized LOC108647838
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 ## 5546 zinc finger protein 665-like
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 ## 5552 uncharacterized LOC108647839
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 ## 5554 small nucleolar RNA SNORA16B/SNORA16A family
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 ## 5556 uncharacterized protein LOC105945605
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 ## 5559 uncharacterized LOC100495777, transcript variant X3
 ## 5560 uncharacterized LOC100495777, transcript variant X3
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 ## 5562 small nucleolar RNA SNORA16B/SNORA16A family
 ## 5563 small nucleolar RNA SNORA16B/SNORA16A family
 ## 5564 small nucleolar RNA SNORA44
 ## 5565 small nucleolar RNA SNORD99
 ## 5566 small nucleolar RNA SNORD99
 ## 5567 small nucleolar RNA SNORA16B/SNORA16A family
 ## 5568 small nucleolar RNA SNORA16B/SNORA16A family
 ## 5569 small nucleolar RNA SNORA44
 ## 5570 small nucleolar RNA SNORD99
 ## 5571 small nucleolar RNA SNORA9
 ## 5572 corticotropin releasing hormone receptor 2, transcript variant X3
 ## 5573 corticotropin releasing hormone receptor 2, transcript variant X3
 ## 5574 corticotropin releasing hormone receptor 2, transcript variant X3
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## 5582	uncharacterized LOC105947704
## 5583	uncharacterized LOC105947600
## 5584	uncharacterized LOC116411767
## 5585	uncharacterized LOC108647841
## 5586	uncharacterized LOC116411468
## 5587	uncharacterized LOC116411591
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## 5595	small nucleolar RNA SNORA5
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## 5599	uncharacterized LOC116411505
## 5600	uncharacterized LOC116411497
## 5601	tRNA-Glu
## 5602	tRNA-Leu
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## 5605	microRNA mir-153-2
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## 5613	uncharacterized LOC105947696
## 5614	uncharacterized LOC116411515
## 5615	uncharacterized LOC116411501
## 5616	sickle tail protein homolog isoform X2
## 5617	uncharacterized protein C10orf67 homolog, mitochondrial isoform X3
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## 5619	uncharacterized LOC116411730
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## 5622	phosphotriesterase related
## 5623	phosphotriesterase related
## 5624	phosphotriesterase related
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## 5628	microRNA mir-489
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 ## 5635 uncharacterized LOC116411678, transcript variant X2
 ## 5636 uncharacterized LOC116411678, transcript variant X2
 ## 5637 uncharacterized LOC116411694, transcript variant X2
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 ## 5640 5S ribosomal RNA
 ## 5641 uncharacterized LOC108647894
 ## 5642 Sp8 transcription factor
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 ## 5646 serine/threonine-protein kinase 3-like
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 ## 5648 uncharacterized LOC101732127, transcript variant X2
 ## 5649 uncharacterized LOC116411575
 ## 5650 uncharacterized LOC105947687, transcript variant X1
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 ## 5655 calcium-independent protein kinase C-like
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 ## 5663 uncharacterized LOC116411597
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 ## 5665 microRNA mir-196b
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5685 PYLa/PGLa A-like
 ## 5686 xenopsin peptides-like isoform X1
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 ## 5705 uncharacterized LOC101732867, transcript variant X3
 ## 5706 uncharacterized LOC101732867, transcript variant X3
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 ## 5712 uncharacterized LOC101731267, transcript variant X2
 ## 5713 uncharacterized LOC116411548
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 ## 5803 uncharacterized LOC108644708, transcript variant X4
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 ## 5805 uncharacterized LOC108644708, transcript variant X4
 ## 5806 uncharacterized LOC108644708, transcript variant X4
 ## 5807 uncharacterized LOC116411576
 ## 5808 centrosomal protein 76kDa
 ## 5809 metallophosphoesterase 1 isoform X1
 ## 5810 uncharacterized LOC116411495
 ## 5811 uncharacterized LOC116411782
 ## 5812 uncharacterized LOC116411498
 ## 5813 A-kinase anchor protein inhibitor 1 isoform X2
 ## 5814 uncharacterized LOC108647918
 ## 5815 N(6)-adenine-specific DNA methyltransferase METTL4
 ## 5816 N(6)-adenine-specific DNA methyltransferase METTL4
 ## 5817 uncharacterized LOC116411768
 ## 5818 microRNA mir-133a
 ## 5819 microRNA mir-1a-1
 ## 5820 uncharacterized protein LOC101732092
 ## 5821 uncharacterized LOC116411483
 ## 5822 uncharacterized LOC116411726
 ## 5823 uncharacterized LOC116411707
 ## 5824 U6 spliceosomal RNA
 ## 5825 uncharacterized LOC116411602
 ## 5826 uncharacterized LOC116411461
 ## 5827 uncharacterized LOC101730952
 ## 5828 uncharacterized LOC105947631
 ## 5829 uncharacterized gene
 ## 5830 tRNA-Ala
 ## 5831 uncharacterized gene
 ## 5832 uncharacterized LOC108647926
 ## 5833 uncharacterized LOC116411670
 ## 5834 uncharacterized LOC105947628, transcript variant X1
 ## 5835 uncharacterized LOC105947628, transcript variant X1
 ## 5836 uncharacterized LOC105947629
 ## 5837 small nucleolar RNA U54
 ## 5838 carbonic anhydrase VIII
 ## 5839 small nucleolar RNA U6-53/MBII-28
 ## 5840 uncharacterized LOC116411593
 ## 5841 uncharacterized LOC116411598
 ## 5842 uncharacterized LOC116411695
 ## 5843 microRNA mir-124
 ## 5844 uncharacterized LOC116411680, transcript variant X2
 ## 5845 uncharacterized LOC116411680, transcript variant X2
 ## 5846 uncharacterized LOC105947625

## 5847	uncharacterized LOC116411554
## 5848	uncharacterized LOC116411683
## 5849	uncharacterized LOC100490089
## 5850	uncharacterized LOC116411709
## 5851	uncharacterized LOC116411467
## 5852	uncharacterized gene
## 5853	uncharacterized LOC116411662
## 5854	AN1-type zinc finger protein 1
## 5855	uncharacterized LOC105947623
## 5856	uncharacterized LOC101733048
## 5857	uncharacterized LOC116411493
## 5858	uncharacterized LOC105947621
## 5859	leucine-rich repeat and coiled-coil domain-containing protein 1-like
## 5860	leucine-rich repeat and coiled-coil domain-containing protein 1-like
## 5861	uncharacterized LOC116411578
## 5862	2,4-dienoyl-CoA reductase 1
## 5863	uncharacterized gene
## 5864	tRNA-Gln
## 5865	uncharacterized gene
## 5866	epithelial splicing regulatory protein 1
## 5867	small nucleolar RNA SNORA72
## 5868	tRNA-Ser
## 5869	uncharacterized LOC116411457
## 5870	tRNA-Leu
## 5871	tRNA-Leu
## 5872	tRNA-Leu
## 5873	uncharacterized LOC105947614
## 5874	uncharacterized LOC116411551, transcript variant X2
## 5875	uncharacterized LOC116411551, transcript variant X2
## 5876	uncharacterized LOC116411527
## 5877	uncharacterized LOC116411516
## 5878	uncharacterized LOC116411606
## 5879	uncharacterized LOC100487686, transcript variant X2
## 5880	uncharacterized LOC100487686, transcript variant X2
## 5881	uncharacterized LOC100487686, transcript variant X2
## 5882	uncharacterized gene
## 5883	uncharacterized LOC116411703
## 5884	tRNA-Val
## 5885	tRNA-Val
## 5886	tRNA-Ile
## 5887	tRNA-Val
## 5888	tRNA-Val
## 5889	tRNA-Val
## 5890	tRNA-Ile
## 5891	tRNA-Val
## 5892	tRNA-Val
## 5893	tRNA-Val
## 5894	tRNA-Ile
## 5895	tRNA-Val
## 5896	tRNA-Val
## 5897	tRNA-Val
## 5898	tRNA-Ile
## 5899	tRNA-Val
## 5900	tRNA-Val

## 5901	tRNA-Val
## 5902	tRNA-Val
## 5903	tRNA-Val
## 5904	tRNA-Ile
## 5905	tRNA-Val
## 5906	tRNA-Val
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## 5940	tRNA-Val
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## 5943	tRNA-Val
## 5944	tRNA-Val
## 5945	tRNA-Ile
## 5946	tRNA-Val
## 5947	tRNA-Val
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## 5950	tRNA-Val
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## 5953	tRNA-Val
## 5954	tRNA-Val

## 5955	tRNA-Val
## 5956	tRNA-Val
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## 5958	tRNA-Val
## 5959	tRNA-Val
## 5960	tRNA-Val
## 5961	tRNA-Val
## 5962	tRNA-Val
## 5963	HERV-H LTR-associating 1
## 5964	microRNA mir-30b
## 5965	uncharacterized LOC116411685
## 5966	microRNA mir-30d
## 5967	tRNA-Arg
## 5968	tRNA-Lys
## 5969	tRNA-Arg
## 5970	tRNA-Arg
## 5971	tRNA-Arg
## 5972	tRNA-Arg
## 5973	tRNA-Arg
## 5974	tRNA-Arg
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## 6003	tRNA-Arg
## 6004	tRNA-Arg
## 6005	tRNA-Sec
## 6006	tRNA-Arg
## 6007	tRNA-Arg
## 6008	tRNA-Arg

## 6009	tRNA-Arg
## 6010	histone H1A-like
## 6011	uncharacterized gene
## 6012	uncharacterized gene
## 6013	5S ribosomal RNA
## 6014	uncharacterized LOC116411511
## 6015	uncharacterized LOC105948270
## 6016	small nucleolar RNA SNORA17
## 6017	small nucleolar RNA SNORA17
## 6018	uncharacterized LOC116411772
## 6019	uncharacterized gene
## 6020	uncharacterized LOC116411482
## 6021	uncharacterized gene
## 6022	neurogenic locus notch homolog protein 1 isoform X1
## 6023	uncharacterized gene
## 6024	uncharacterized gene
## 6025	uncharacterized gene
## 6026	5S ribosomal RNA
## 6027	somatic 5S ribosomal RNA
## 6028	5S ribosomal RNA
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## 6031	5S ribosomal RNA
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## 6063	5S ribosomal RNA
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## 6071	5S ribosomal RNA
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## 6075	5S ribosomal RNA
## 6076	5S ribosomal RNA
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## 6078	5S ribosomal RNA
## 6079	5S ribosomal RNA
## 6080	5S ribosomal RNA
## 6081	5S ribosomal RNA
## 6082	5S ribosomal RNA
## 6083	5S ribosomal RNA
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## 6085	5S ribosomal RNA
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## 6087	5S ribosomal RNA
## 6088	uncharacterized gene
## 6089	uncharacterized LOC116411585
## 6090	TBC1 domain family member 20-like isoform X1
## 6091	uncharacterized LOC116411586, transcript variant X3
## 6092	uncharacterized LOC116411586, transcript variant X3
## 6093	uncharacterized LOC116411586, transcript variant X3
## 6094	uncharacterized gene
## 6095	uncharacterized gene
## 6096	uncharacterized gene
## 6097	uncharacterized gene
## 6098	5S ribosomal RNA
## 6099	5S ribosomal RNA
## 6100	5S ribosomal RNA
## 6101	5S ribosomal RNA
## 6102	5S ribosomal RNA
## 6103	uncharacterized protein LOC116412084
## 6104	uncharacterized gene
## 6105	uncharacterized gene
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## 6107	5S ribosomal RNA
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## 6109	5S ribosomal RNA
## 6110	5S ribosomal RNA
## 6111	5S ribosomal RNA
## 6112	uncharacterized gene
## 6113	5S ribosomal RNA
## 6114	uncharacterized LOC116412019
## 6115	uncharacterized gene
## 6116	uncharacterized gene

## 6117	uncharacterized gene
## 6118	uncharacterized gene
## 6119	uncharacterized gene
## 6120	uncharacterized gene
## 6121	uncharacterized gene
## 6122	uncharacterized gene
## 6123	uncharacterized gene
## 6124	uncharacterized gene
## 6125	uncharacterized gene
## 6126	uncharacterized gene
## 6127	uncharacterized LOC116412108, transcript variant X2
## 6128	uncharacterized LOC116412108, transcript variant X2
## 6129	uncharacterized gene
## 6130	uncharacterized LOC116412107
## 6131	uncharacterized LOC100495497, transcript variant X3
## 6132	uncharacterized LOC100495497, transcript variant X3
## 6133	uncharacterized LOC100495497, transcript variant X3
## 6134	uncharacterized LOC116412302
## 6135	uncharacterized LOC108644820
## 6136	uncharacterized gene
## 6137	BBSome interacting protein 1
## 6138	uncharacterized LOC116412092
## 6139	Rho guanine nucleotide exchange factor 5
## 6140	hyaluronan binding protein 2
## 6141	uncharacterized LOC116412197
## 6142	transcription factor 7 like 2
## 6143	actin filament-associated protein 1-like 2
## 6144	small nucleolar RNA SNORA54
## 6145	small nucleolar RNA SNORA54
## 6146	small nucleolar RNA SNORA54
## 6147	small nucleolar RNA SNORA19
## 6148	small nucleolar RNA SNORA19
## 6149	small nucleolar RNA SNORA19
## 6150	uncharacterized LOC116412013
## 6151	uncharacterized LOC116412014
## 6152	uncharacterized LOC101733461
## 6153	alpha-2-macroglobulin-like protein 1 isoform X1
## 6154	uncharacterized gene
## 6155	alpha-2-macroglobulin-like protein 1
## 6156	stress response protein NST1-like
## 6157	stress response protein NST1-like
## 6158	stress response protein NST1-like
## 6159	stress response protein NST1-like
## 6160	stress response protein NST1-like
## 6161	uncharacterized LOC105945685
## 6162	uncharacterized LOC101733266
## 6163	uncharacterized gene
## 6164	uncharacterized LOC116412058, transcript variant X2
## 6165	uncharacterized LOC116412058, transcript variant X2
## 6166	uncharacterized gene
## 6167	uncharacterized LOC116412059
## 6168	uncharacterized LOC116412057
## 6169	uncharacterized LOC116412063
## 6170	uncharacterized LOC105946649, transcript variant X2

6171 uncharacterized LOC105946649, transcript variant X2
 ## 6172 uncharacterized LOC116412056
 ## 6173 uncharacterized LOC116412062
 ## 6174 uncharacterized LOC101733476, transcript variant X2
 ## 6175 uncharacterized LOC101733476, transcript variant X2
 ## 6176 uncharacterized LOC116412064
 ## 6177 uncharacterized LOC100487321
 ## 6178 uncharacterized LOC116412061
 ## 6179 uncharacterized LOC105945820, transcript variant X3
 ## 6180 uncharacterized LOC105945820, transcript variant X3
 ## 6181 uncharacterized LOC105945820, transcript variant X3
 ## 6182 alpha-1-macroglobulin-like
 ## 6183 alpha-1-macroglobulin-like
 ## 6184 alpha-1-macroglobulin-like
 ## 6185 uncharacterized LOC101732469
 ## 6186 uncharacterized LOC116412060
 ## 6187 uncharacterized LOC105947870
 ## 6188 serine/threonine-protein kinase N2-like
 ## 6189 U7 small nuclear RNA
 ## 6190 uncharacterized LOC116412099
 ## 6191 small nucleolar RNA U85
 ## 6192 small nucleolar RNA U85
 ## 6193 small Cajal body-specific RNA 11
 ## 6194 uncharacterized LOC116412421
 ## 6195 uncharacterized LOC116412114
 ## 6196 uncharacterized LOC116412435
 ## 6197 uncharacterized gene
 ## 6198 uncharacterized gene
 ## 6199 uncharacterized gene
 ## 6200 uncharacterized gene
 ## 6201 uncharacterized gene
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 ## 6204 uncharacterized gene
 ## 6205 uncharacterized LOC105947896
 ## 6206 uncharacterized LOC116412332
 ## 6207 uncharacterized LOC116412316
 ## 6208 uncharacterized LOC100379718
 ## 6209 uncharacterized LOC116412093
 ## 6210 uncharacterized LOC101735224
 ## 6211 deoxynucleotidyltransferase, terminal, interacting protein 2
 ## 6212 uncharacterized LOC105948002
 ## 6213 uncharacterized LOC108648145, transcript variant X2
 ## 6214 uncharacterized LOC108648145, transcript variant X2
 ## 6215 uncharacterized LOC105947747
 ## 6216 uncharacterized LOC116412470
 ## 6217 uncharacterized LOC116412257
 ## 6218 uncharacterized gene
 ## 6219 uncharacterized LOC108648045
 ## 6220 acrosin-binding protein, gene 3
 ## 6221 uncharacterized LOC116412274
 ## 6222 uncharacterized LOC116412085
 ## 6223 uncharacterized LOC116412460, transcript variant X2
 ## 6224 uncharacterized LOC116412460, transcript variant X2

## 6225	uncharacterized LOC108648184
## 6226	uncharacterized LOC101731984
## 6227	uncharacterized LOC116412434
## 6228	uncharacterized LOC116412314
## 6229	uncharacterized gene
## 6230	uncharacterized LOC116412017
## 6231	uncharacterized LOC116412199
## 6232	microRNA mir-202-2
## 6233	microRNA mir-202-1
## 6234	uncharacterized LOC116412423
## 6235	uncharacterized LOC116412449
## 6236	STN1, CST complex subunit
## 6237	STN1, CST complex subunit
## 6238	uncharacterized LOC108645429
## 6239	uncharacterized gene
## 6240	uncharacterized LOC105945977
## 6241	uncharacterized LOC116412234
## 6242	uncharacterized LOC101735146
## 6243	uncharacterized LOC108648187
## 6244	uncharacterized LOC116412022
## 6245	uncharacterized LOC101735144, transcript variant X2
## 6246	uncharacterized LOC101735144, transcript variant X2
## 6247	uncharacterized LOC116412201
## 6248	uncharacterized LOC116412184
## 6249	uncharacterized LOC116412145
## 6250	uncharacterized LOC108648210
## 6251	uncharacterized LOC116412034
## 6252	uncharacterized LOC116412288
## 6253	uncharacterized LOC105948021
## 6254	uncharacterized LOC116412242, transcript variant X2
## 6255	uncharacterized LOC116412242, transcript variant X2
## 6256	uncharacterized LOC116412244
## 6257	uncharacterized LOC116412243, transcript variant X2
## 6258	uncharacterized LOC116412243, transcript variant X2
## 6259	uncharacterized LOC116412300
## 6260	uncharacterized LOC108645424
## 6261	uncharacterized LOC116412252
## 6262	uncharacterized LOC116412414, transcript variant X2
## 6263	uncharacterized LOC116412414, transcript variant X2
## 6264	uncharacterized LOC116412253
## 6265	uncharacterized LOC116412427
## 6266	uncharacterized LOC116412235
## 6267	uncharacterized LOC105948023, transcript variant X2
## 6268	uncharacterized LOC105948023, transcript variant X2
## 6269	uncharacterized LOC116412200, transcript variant X2
## 6270	uncharacterized LOC116412200, transcript variant X2
## 6271	uncharacterized LOC105948025
## 6272	microRNA mir-9407
## 6273	uncharacterized LOC101732480, transcript variant X2
## 6274	uncharacterized LOC101732480, transcript variant X2
## 6275	uncharacterized gene
## 6276	uncharacterized LOC116412026
## 6277	uncharacterized LOC116412025
## 6278	uncharacterized LOC116412027

6279 metal transporter CNNM1 isoform X3
 ## 6280 uncharacterized LOC108648128
 ## 6281 uncharacterized LOC116412305
 ## 6282 uncharacterized LOC116412304
 ## 6283 uncharacterized gene
 ## 6284 microRNA mir-107
 ## 6285 uncharacterized LOC116412075, transcript variant X2
 ## 6286 uncharacterized LOC116412075, transcript variant X2
 ## 6287 uncharacterized LOC108648159
 ## 6288 uncharacterized LOC116412227
 ## 6289 uncharacterized LOC101735151, transcript variant X3
 ## 6290 uncharacterized LOC101735151, transcript variant X3
 ## 6291 uncharacterized LOC101735151, transcript variant X3
 ## 6292 uncharacterized LOC105947745
 ## 6293 uncharacterized LOC100497100
 ## 6294 uncharacterized protein LOC100493999 isoform X2
 ## 6295 uncharacterized gene
 ## 6296 uncharacterized LOC105947754
 ## 6297 beta-microseminoprotein
 ## 6298 beta-microseminoprotein isoform X5
 ## 6299 beta-microseminoprotein isoform X5
 ## 6300 beta-microseminoprotein isoform X5
 ## 6301 activating signal cointegrator 1 complex subunit 1
 ## 6302 uncharacterized LOC116412318
 ## 6303 uncharacterized LOC100497842, transcript variant X1
 ## 6304 uncharacterized LOC100497842, transcript variant X1
 ## 6305 uncharacterized LOC101734604
 ## 6306 chromosome 10 open reading frame 105
 ## 6307 uncharacterized LOC108648141
 ## 6308 uncharacterized LOC116412220
 ## 6309 uncharacterized LOC100489795
 ## 6310 uncharacterized LOC101731901
 ## 6311 uncharacterized LOC101731939
 ## 6312 uncharacterized LOC116412327
 ## 6313 uncharacterized LOC100490435
 ## 6314 uncharacterized LOC108648205
 ## 6315 uncharacterized LOC116412280
 ## 6316 uncharacterized LOC108648137
 ## 6317 potential lncRNA loc100496187 [provisional]
 ## 6318 uncharacterized LOC105947762
 ## 6319 uncharacterized LOC108645453
 ## 6320 small nucleolar RNA SNORA74
 ## 6321 small nucleolar RNA SNORA74
 ## 6322 small nucleolar RNA SNORA74
 ## 6323 small nucleolar RNA SNORA74
 ## 6324 peptidylprolyl isomerase F
 ## 6325 uncharacterized LOC105947794
 ## 6326 uncharacterized LOC116412451
 ## 6327 uncharacterized LOC116412452
 ## 6328 uncharacterized LOC116412417
 ## 6329 uncharacterized LOC116412256
 ## 6330 uncharacterized LOC105945481
 ## 6331 uncharacterized LOC101730767
 ## 6332 uncharacterized LOC105947200

6333 uncharacterized LOC108648198
 ## 6334 uncharacterized LOC105947901
 ## 6335 uncharacterized LOC100486241, transcript variant X3
 ## 6336 uncharacterized LOC100486241, transcript variant X3
 ## 6337 uncharacterized LOC100486241, transcript variant X3
 ## 6338 uncharacterized protein LOC116412219 isoform X1
 ## 6339 uncharacterized LOC105947785
 ## 6340 uncharacterized LOC105947783
 ## 6341 uncharacterized LOC116412441
 ## 6342 uncharacterized gene
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 ## 6344 syntaxin 3
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 ## 6346 uncharacterized LOC116412476
 ## 6347 uncharacterized LOC116412222
 ## 6348 uncharacterized LOC105948005
 ## 6349 uncharacterized LOC108648120
 ## 6350 uncharacterized LOC116412315
 ## 6351 rho GTPase-activating protein 22 isoform X1
 ## 6352 rho GTPase-activating protein 22 isoform X1
 ## 6353 uncharacterized LOC116412015
 ## 6354 uncharacterized LOC116412016, transcript variant X2
 ## 6355 uncharacterized LOC116412016, transcript variant X2
 ## 6356 uncharacterized LOC105947750
 ## 6357 uncharacterized LOC105947770
 ## 6358 uncharacterized LOC105947772
 ## 6359 uncharacterized LOC116412255
 ## 6360 uncharacterized LOC105947775
 ## 6361 uncharacterized LOC101731286, transcript variant X2
 ## 6362 uncharacterized LOC101731286, transcript variant X2
 ## 6363 uncharacterized LOC105947777, transcript variant X3
 ## 6364 uncharacterized LOC105947777, transcript variant X3
 ## 6365 uncharacterized LOC105947777, transcript variant X3
 ## 6366 uncharacterized LOC116412183
 ## 6367 mitotic arrest deficient 2 like 2
 ## 6368 chloride transport protein 6
 ## 6369 uncharacterized LOC116412073
 ## 6370 small nucleolar RNA SNORD14
 ## 6371 small nucleolar RNA SNORD14
 ## 6372 small nucleolar RNA SNORD14
 ## 6373 uncharacterized LOC108648170
 ## 6374 protein turtle homolog B isoform X3
 ## 6375 uncharacterized LOC105947766
 ## 6376 sorting nexin-19 isoform X1
 ## 6377 sorting nexin-19 isoform X1
 ## 6378 sorting nexin-19 isoform X1
 ## 6379 sorting nexin-19 isoform X1
 ## 6380 sorting nexin-19 isoform X1
 ## 6381 A disintegrin and metalloproteinase with thrombospondin motifs 8
 ## 6382 uncharacterized LOC116412214
 ## 6383 uncharacterized gene
 ## 6384 uncharacterized LOC116412089
 ## 6385 uncharacterized LOC116412091, transcript variant X2
 ## 6386 uncharacterized LOC116412091, transcript variant X2

## 6387	uncharacterized LOC101732672
## 6388	uncharacterized gene
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## 6390	uncharacterized gene
## 6391	uncharacterized gene
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## 6397	uncharacterized gene
## 6398	uncharacterized gene
## 6399	uncharacterized gene
## 6400	uncharacterized gene
## 6401	uncharacterized gene
## 6402	5.8S ribosomal RNA
## 6403	18S ribosomal RNA
## 6404	uncharacterized gene
## 6405	5.8S ribosomal RNA
## 6406	18S ribosomal RNA
## 6407	28S ribosomal RNA
## 6408	5.8S ribosomal RNA
## 6409	18S ribosomal RNA
## 6410	28S ribosomal RNA
## 6411	5.8S ribosomal RNA
## 6412	18S ribosomal RNA
## 6413	28S ribosomal RNA
## 6414	5.8S ribosomal RNA
## 6415	18S ribosomal RNA
## 6416	uncharacterized gene
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## 6418	18S ribosomal RNA
## 6419	5.8S ribosomal RNA
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## 6421	28S ribosomal RNA
## 6422	5.8S ribosomal RNA
## 6423	uncharacterized gene
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## 6425	5.8S ribosomal RNA
## 6426	28S ribosomal RNA
## 6427	5.8S ribosomal RNA
## 6428	18S ribosomal RNA
## 6429	18S ribosomal RNA
## 6430	5.8S ribosomal RNA
## 6431	28S ribosomal RNA
## 6432	18S ribosomal RNA
## 6433	5.8S ribosomal RNA
## 6434	28S ribosomal RNA
## 6435	28S ribosomal RNA
## 6436	5.8S ribosomal RNA
## 6437	18S ribosomal RNA
## 6438	28S ribosomal RNA
## 6439	5.8S ribosomal RNA
## 6440	18S ribosomal RNA

## 6441	28S ribosomal RNA
## 6442	5.8S ribosomal RNA
## 6443	uncharacterized LOC116412333, transcript variant X3
## 6444	uncharacterized LOC116412333, transcript variant X3
## 6445	uncharacterized LOC116412333, transcript variant X3
## 6446	uncharacterized LOC101733679
## 6447	uncharacterized LOC108645411
## 6448	uncharacterized gene
## 6449	uncharacterized LOC116412308
## 6450	uncharacterized LOC105947779
## 6451	uncharacterized gene
## 6452	family with sequence similarity 118 member B
## 6453	family with sequence similarity 118 member B
## 6454	uncharacterized gene
## 6455	small nucleolar RNA SNORA3/SNORA45 family
## 6456	small nucleolar RNA SNORA3/SNORA45 family
## 6457	18S ribosomal RNA
## 6458	microRNA mir-125b-1
## 6459	uncharacterized LOC116412018
## 6460	uncharacterized LOC105947879
## 6461	uncharacterized LOC116412275
## 6462	uncharacterized LOC116412324
## 6463	uncharacterized LOC100493376
## 6464	uncharacterized LOC116412035
## 6465	uncharacterized LOC116412208
## 6466	microRNA mir-34b-3
## 6467	microRNA mir-34b-2
## 6468	uncharacterized gene
## 6469	uncharacterized LOC116412296
## 6470	uncharacterized LOC116412206
## 6471	uncharacterized LOC105947882
## 6472	uncharacterized LOC116412450
## 6473	uncharacterized LOC116412331
## 6474	uncharacterized LOC116412260
## 6475	uncharacterized LOC116412037
## 6476	microRNA mir-429
## 6477	microRNA mir-200a
## 6478	microRNA mir-200b
## 6479	uncharacterized LOC116412072
## 6480	sterile alpha motif domain containing 11
## 6481	microRNA mir-320
## 6482	uncharacterized LOC116412312
## 6483	microRNA mir-34a
## 6484	uncharacterized LOC116412076
## 6485	uncharacterized LOC105947889
## 6486	uncharacterized LOC105947895
## 6487	uncharacterized gene
## 6488	uncharacterized LOC116412080
## 6489	uncharacterized LOC116412087
## 6490	uncharacterized LOC116412448
## 6491	speedy protein 1-B-like
## 6492	uncharacterized LOC116412311
## 6493	uncharacterized LOC105947805
## 6494	tRNA-Arg

## 6495	tRNA-Leu
## 6496	tRNA-Phe
## 6497	tRNA-Leu
## 6498	tRNA-Phe
## 6499	tRNA-Leu
## 6500	tRNA-Arg
## 6501	tRNA-Leu
## 6502	uncharacterized LOC100145450
## 6503	uncharacterized LOC100145450
## 6504	uncharacterized LOC100145450
## 6505	uncharacterized LOC100145450
## 6506	uncharacterized LOC108648190, transcript variant X2
## 6507	uncharacterized LOC108648190, transcript variant X2
## 6508	uncharacterized LOC116412117
## 6509	uncharacterized gene
## 6510	uncharacterized gene
## 6511	uncharacterized gene
## 6512	uncharacterized gene
## 6513	uncharacterized LOC116412297
## 6514	uncharacterized LOC105947903
## 6515	uncharacterized LOC116412070
## 6516	uncharacterized LOC116412115
## 6517	tRNA-Arg
## 6518	tRNA-Phe
## 6519	tRNA-Phe
## 6520	tRNA-Leu
## 6521	tRNA-Phe
## 6522	tRNA-Leu
## 6523	tRNA-Arg
## 6524	tRNA-Arg
## 6525	tRNA-Leu
## 6526	tRNA-Phe
## 6527	uncharacterized LOC116412334
## 6528	uncharacterized LOC116412439
## 6529	Uncharaterized LOC100489525
## 6530	vomeronasal type-2 receptor 26
## 6531	vomeronasal type-2 receptor 26
## 6532	vomeronasal type-2 receptor 26-like
## 6533	vomeronasal type-2 receptor 26-like
## 6534	vomeronasal type-2 receptor 26-like
## 6535	uncharacterized gene
## 6536	vomeronasal type-2 receptor 26
## 6537	vomeronasal type-2 receptor 26-like
## 6538	uncharacterized LOC105947921
## 6539	uncharacterized LOC116412292
## 6540	ubiquitin carboxyl-terminal hydrolase 40-like isoform X1
## 6541	uncharacterized LOC116412323
## 6542	uncharacterized gene
## 6543	ubiquitin carboxyl-terminal hydrolase 40 isoform X1
## 6544	ubiquitin carboxyl-terminal hydrolase 40 isoform X1
## 6545	uncharacterized LOC116412469, transcript variant X3
## 6546	uncharacterized LOC116412469, transcript variant X3
## 6547	uncharacterized LOC116412469, transcript variant X3
## 6548	uncharacterized LOC105945930, transcript variant X2

6549 uncharacterized LOC105945930, transcript variant X2
 ## 6550 multiple epidermal growth factor-like domains protein 8
 ## 6551 multiple epidermal growth factor-like domains protein 8
 ## 6552 uncharacterized LOC108648051
 ## 6553 uncharacterized LOC116412100
 ## 6554 uncharacterized LOC116412102
 ## 6555 V-set and immunoglobulin domain-containing protein 1
 ## 6556 carcinoembryonic antigen-related cell adhesion molecule 19 isoform X1
 ## 6557 carcinoembryonic antigen-related cell adhesion molecule 19 isoform X1
 ## 6558 uncharacterized LOC101730519
 ## 6559 uncharacterized LOC116412456
 ## 6560 uncharacterized LOC116412455
 ## 6561 uncharacterized LOC116412259
 ## 6562 uncharacterized LOC116412240
 ## 6563 uncharacterized LOC116412238
 ## 6564 uncharacterized LOC101732040
 ## 6565 microRNA mir-150
 ## 6566 uncharacterized LOC116412433
 ## 6567 insulin-2-like
 ## 6568 uncharacterized LOC116412068
 ## 6569 uncharacterized LOC116412278
 ## 6570 uncharacterized LOC116412436
 ## 6571 uncharacterized gene
 ## 6572 uncharacterized LOC116412475
 ## 6573 small Cajal body-specific RNA 2
 ## 6574 uncharacterized LOC108648161, transcript variant X2
 ## 6575 uncharacterized LOC108648161, transcript variant X2
 ## 6576 uncharacterized LOC116412081
 ## 6577 uncharacterized LOC116412082
 ## 6578 uncharacterized LOC116412250
 ## 6579 uncharacterized LOC105947941
 ## 6580 uncharacterized LOC100492700
 ## 6581 uncharacterized LOC116412233
 ## 6582 neuronal pentraxin-1
 ## 6583 tRNA-Cys
 ## 6584 tRNA-Cys
 ## 6585 tRNA-Cys
 ## 6586 tRNA-Cys
 ## 6587 tRNA-Cys
 ## 6588 tRNA-Cys
 ## 6589 tRNA-Cys
 ## 6590 tRNA-Cys
 ## 6591 tRNA-Cys
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 ## 6595 uncharacterized LOC101734953
 ## 6596 small nucleolar RNA SNORD88
 ## 6597 small nucleolar RNA SNORD88
 ## 6598 small nucleolar RNA SNORD88
 ## 6599 small nucleolar RNA SNORD88
 ## 6600 small nucleolar RNA SNORD88
 ## 6601 uncharacterized gene
 ## 6602 uncharacterized LOC116412067

## 6603	uncharacterized protein LOC116412294
## 6604	uncharacterized LOC116412079
## 6605	microRNA mir-125a
## 6606	microRNA let-7a
## 6607	microRNA mir-100
## 6608	uncharacterized LOC116412249
## 6609	uncharacterized LOC105947962
## 6610	uncharacterized gene
## 6611	uncharacterized LOC116412230
## 6612	uncharacterized LOC116412461
## 6613	uncharacterized LOC116412326
## 6614	uncharacterized LOC116412196
## 6615	uncharacterized LOC116412473
## 6616	uncharacterized LOC116412265
## 6617	uncharacterized LOC116412078
## 6618	uncharacterized LOC108645199
## 6619	uncharacterized LOC116412110
## 6620	uncharacterized LOC116412111
## 6621	uncharacterized LOC101734574
## 6622	uncharacterized LOC116412028
## 6623	uncharacterized LOC116412181
## 6624	uncharacterized LOC116412273
## 6625	uncharacterized LOC105947913
## 6626	uncharacterized LOC116412307
## 6627	uncharacterized LOC116412261
## 6628	uncharacterized LOC116412428
## 6629	uncharacterized LOC100492346
## 6630	zinc finger BED domain-containing protein 6
## 6631	uncharacterized LOC105947979
## 6632	Rho GTPase activating protein 33
## 6633	U7 small nuclear RNA
## 6634	U7 small nuclear RNA
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## 6656	U7 small nuclear RNA

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## 25	pi16	101731805	protein-coding	XR_004220897.1
## 26	LOC116408404	116408404	lncRNA	XR_004220898.1
## 27	LOC116408258	116408258	lncRNA	XR_004220820.1
## 28	LOC116408258	116408258	lncRNA	XR_004220821.1
## 29	LOC116408405	116408405	pseudogene	
## 30	LOC116408259	116408259	lncRNA	XR_004220822.1
## 31	LOC116408504	116408504	snoRNA	XR_004221007.1
## 32	LOC116408496	116408496	snoRNA	XR_004220999.1
## 33	LOC116408495	116408495	snoRNA	XR_004220998.1
## 34	LOC116408329	116408329	protein-coding	XM_031895110.1
## 35	LOC100497670	100497670	protein-coding	XM_031895112.1
## 36	LOC116408331	116408331	protein-coding	XM_031895113.1
## 37	LOC116408333	116408333	protein-coding	XM_031895115.1
## 38	LOC116408345	116408345	protein-coding	XM_031895121.1
## 39	LOC116408367	116408367	protein-coding	XM_031895140.1
## 40	LOC116408368	116408368	protein-coding	XM_031895141.1
## 41	LOC105946390	105946390	protein-coding	XM_012956070.1
## 42	xv2r1	100491865	protein-coding	XM_018089656.1
## 43	LOC105946392	105946392	protein-coding	XM_018089655.2

## 44	LOC100492199	100492199	protein-coding	XM_031895142.1
## 45	LOC116408369	116408369	protein-coding	XM_031895143.1
## 46	LOC116408370	116408370	protein-coding	XM_031895144.1
## 47	LOC116408371	116408371	protein-coding	XM_031895145.1
## 48	LOC116408372	116408372	protein-coding	XM_031895146.1
## 49	LOC116408373	116408373	protein-coding	XM_031895147.1
## 50	LOC105946398	105946398	protein-coding	XM_031895148.1
## 51	LOC116408374	116408374	protein-coding	XM_031895149.1
## 52	LOC116408377	116408377	protein-coding	XM_031895151.1
## 53	LOC116408378	116408378	protein-coding	XM_031895152.1
## 54	LOC116408379	116408379	protein-coding	XM_031895153.1
## 55	LOC116408380	116408380	protein-coding	XM_031895154.1
## 56	LOC108645658	108645658	protein-coding	XM_018090885.2
## 57	LOC105946403	105946403	protein-coding	XM_031895175.1
## 58	LOC105946404	105946404	pseudogene	
## 59	LOC116408381	116408381	protein-coding	XM_031895155.1
## 60	LOC108645659	108645659	protein-coding	XM_031895156.1
## 61	LOC116408382	116408382	protein-coding	XM_031895157.1
## 62	LOC100491223	100491223	protein-coding	XM_012956107.1
## 63	LOC116408383	116408383	protein-coding	XM_031895158.1
## 64	LOC116408384	116408384	protein-coding	XM_031895159.1
## 65	LOC105946409	105946409	protein-coding	XM_012956110.1
## 66	LOC108645662	108645662	protein-coding	XM_018090890.2
## 67	LOC116408385	116408385	protein-coding	XM_031895160.1
## 68	LOC100490505	100490505	protein-coding	XM_012956089.1
## 69	LOC100491345	100491345	protein-coding	XM_031895161.1
## 70	LOC116408386	116408386	protein-coding	XM_031895162.1
## 71	LOC101734131	101734131	protein-coding	XM_004911513.3
## 72	LOC100492345	100492345	protein-coding	XM_031895163.1
## 73	LOC116408387	116408387	protein-coding	XM_031895165.1
## 74	LOC116408388	116408388	protein-coding	XM_031895166.1
## 75	LOC116408389	116408389	pseudogene	
## 76	LOC100490840	100490840	protein-coding	XM_031895167.1
## 77	LOC101731462	101731462	protein-coding	XM_012956132.2
## 78	LOC101734200	101734200	lncRNA	XR_004220899.1
## 79	LOC101734200	101734200	lncRNA	XR_004220900.1
## 80	LOC101734200	101734200	lncRNA	XR_004220901.1
## 81	LOC116408390	116408390	pseudogene	
## 82	LOC100488963	100488963	protein-coding	XM_031895174.1
## 83	LOC105946418	105946418	pseudogene	
## 84	LOC101730483	101730483	protein-coding	XM_018089587.2
## 85	LOC116408260	116408260	protein-coding	XM_031895068.1
## 86	LOC101734240	101734240	lncRNA	XR_001923930.2
## 87	LOC105946479	105946479	protein-coding	XM_031895069.1
## 88	LOC100487329	100487329	protein-coding	XM_031895176.1
## 89	LOC116408397	116408397	protein-coding	XM_031895177.1
## 90	LOC116408561	116408561	pseudogene	
## 91	LOC116408398	116408398	protein-coding	XM_031895178.1
## 92	LOC100490903	100490903	protein-coding	XM_031895070.1
## 93	LOC100490735	100490735	protein-coding	XM_012956185.2
## 94	LOC100490217	100490217	protein-coding	XM_031895071.1
## 95	LOC101734033	101734033	protein-coding	XM_018089585.2
## 96	LOC101733973	101733973	protein-coding	XM_031895072.1
## 97	LOC116408516	116408516	snRNA	XR_004221019.1

## 98	LOC116408550	116408550	pseudogene	
## 99	LOC116408517	116408517	snRNA	XR_004221020.1
## 100	LOC116408538	116408538	pseudogene	
## 101	LOC116408552	116408552	pseudogene	
## 102	LOC116408549	116408549	pseudogene	
## 103	LOC116408558	116408558	pseudogene	
## 104	LOC116408518	116408518	snRNA	XR_004221021.1
## 105	LOC116408519	116408519	snRNA	XR_004221022.1
## 106	LOC116408400	116408400	protein-coding	XM_031895180.1
## 107	LOC116408543	116408543	pseudogene	
## 108	LOC100494332	100494332	protein-coding	XM_031895181.1
## 109	LOC105946413	105946413	protein-coding	XM_031895182.1
## 110	LOC105946414	105946414	protein-coding	XM_031895183.1
## 111	LOC108645134	108645134	protein-coding	XM_018089883.2
## 112	LOC116408401	116408401	protein-coding	XM_031895185.1
## 113	LOC105946285	105946285	protein-coding	XM_012955815.2
## 114	LOC100487264	100487264	protein-coding	XM_012955814.2
## 115	LOC100489380	100489380	protein-coding	XM_031895186.1
## 116	LOC116408402	116408402	protein-coding	XM_031895187.1
## 117	LOC108645427	108645427	protein-coding	XM_031895188.1
## 118	LOC116408403	116408403	pseudogene	
## 119	LOC100489075	100489075	protein-coding	XM_031895189.1
## 120	LOC100488911	100488911	protein-coding	XM_002941730.2
## 121	LOC100488739	100488739	protein-coding	XM_031895190.1
## 122	LOC105946480	105946480	protein-coding	XM_031895191.1
## 123	LOC100487968	100487968	protein-coding	XM_012956142.3
## 124	LOC105946420	105946420	protein-coding	XM_031895192.1
## 125	LOC100498444	100498444	protein-coding	XM_031895193.1
## 126	LOC105946280	105946280	lncRNA	XR_004220902.1
## 127	LOC116411557	116411557	pseudogene	
## 128	LOC116411561	116411561	protein-coding	XM_031904032.1
## 129	LOC105946381	105946381	protein-coding	XM_018089710.2
## 130	LOC116408261	116408261	protein-coding	XM_031895073.1
## 131	LOC100494197	100494197	protein-coding	XM_012956051.1
## 132	LOC100493683	100493683	protein-coding	XM_018089709.2
## 133	LOC108644783	108644783	protein-coding	XM_031904051.1
## 134	LOC105945552	105945552	pseudogene	
## 135	LOC116411574	116411574	protein-coding	XM_031904065.1
## 136	LOC108644785	108644785	protein-coding	XM_031904071.1
## 137	LOC116411580	116411580	protein-coding	XM_031904081.1
## 138	LOC105945551	105945551	protein-coding	XM_031904093.1
## 139	LOC100493626	100493626	protein-coding	XM_012956049.2
## 140	LOC116408546	116408546	pseudogene	
## 141	LOC116411610	116411610	protein-coding	XM_031904207.1
## 142	LOC116408412	116408412	V_segment	
## 143	LOC116408412	116408412	other	
## 144	LOC108645250	108645250	lncRNA	XR_001923649.2
## 145	LOC116408411	116408411	V_segment	
## 146	LOC116408411	116408411	other	
## 147	LOC101735157	101735157	V_segment	
## 148	LOC101735157	101735157	other	
## 149	LOC116408414	116408414	V_segment	
## 150	LOC116408414	116408414	other	
## 151	LOC116408413	116408413	V_segment	

## 152	LOC116408413	116408413	other	
## 153	LOC101730301	101730301	V_segment	
## 154	LOC101730301	101730301	other	
## 155	LOC116408416	116408416	V_segment	
## 156	LOC116408416	116408416	other	
## 157	LOC105945703	105945703	V_segment	
## 158	LOC105945703	105945703	other	
## 159	LOC101733471	101733471	lncRNA	XR_208272.4
## 160	LOC101733471	101733471	lncRNA	XR_004220903.1
## 161	LOC116408415	116408415	V_segment	
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## 163	LOC116408262	116408262	V_segment	
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## 165	LOC116408417	116408417	V_segment	
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## 167	LOC116408418	116408418	V_segment	
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## 169	LOC100495164	100495164	pseudogene	
## 170	LOC116408263	116408263	lncRNA	XR_004220823.1
## 171	LOC116408419	116408419	lncRNA	XR_004220904.1
## 172	LOC116408419	116408419	lncRNA	XR_004220905.1
## 173	LOC116408419	116408419	lncRNA	XR_004220906.1
## 174	LOC116408419	116408419	lncRNA	XR_004220907.1
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## 176	LOC116408419	116408419	lncRNA	XR_004220909.1
## 177	LOC116408264	116408264	lncRNA	XR_004220824.1
## 178	LOC116408265	116408265	lncRNA	XR_004220825.1
## 179	LOC116408266	116408266	lncRNA	XR_004220826.1
## 180	adrad	100495969	protein-coding	XR_004220910.1
## 181	LOC116408270	116408270	lncRNA	XR_004220827.1
## 182	mir103-2	100886851	miRNA	NR_049673.1
## 183	LOC116408420	116408420	lncRNA	XR_004220911.1
## 184	LOC116408421	116408421	lncRNA	XR_004220912.1
## 185	LOC101732343	101732343	lncRNA	XR_001169803.3
## 186	mir146b	100886873	miRNA	NR_049709.1
## 187	LOC101732811	101732811	lncRNA	XR_208753.4
## 188	LOC116408422	116408422	lncRNA	XR_004220913.1
## 189	LOC116408423	116408423	lncRNA	XR_004220914.1
## 190	LOC116408271	116408271	lncRNA	XR_004220828.1
## 191	LOC116408272	116408272	lncRNA	XR_004220829.1
## 192	LOC116408273	116408273	lncRNA	XR_004220830.1
## 193	LOC116408274	116408274	lncRNA	XR_004220831.1
## 194	LOC116408275	116408275	lncRNA	XR_004220832.1
## 195	LOC116408424	116408424	pseudogene	
## 196	LOC101730339	101730339	lncRNA	XR_004220917.1
## 197	LOC116408427	116408427	lncRNA	XR_004220916.1
## 198	LOC116408425	116408425	protein-coding	XR_004220915.1
## 199	LOC105946332	105946332	lncRNA	XR_004220833.1
## 200	LOC105946332	105946332	lncRNA	XR_004220834.1
## 201	LOC116408276	116408276	lncRNA	XR_004220835.1
## 202	LOC116408429	116408429	lncRNA	XR_004220919.1
## 203	LOC105946267	105946267	protein-coding	XR_001169794.3
## 204	LOC116408428	116408428	lncRNA	XR_004220918.1
## 205	LOC116408430	116408430	lncRNA	XR_004220920.1

##	206	LOC116408277	116408277	lncRNA	XR_004220836.1
##	207	LOC116408278	116408278	lncRNA	XR_004220837.1
##	208	LOC116408279	116408279	lncRNA	XR_004220838.1
##	209	LOC116408280	116408280	lncRNA	XR_004220839.1
##	210	LOC116408281	116408281	lncRNA	XR_004220840.1
##	211	LOC116408282	116408282	lncRNA	XR_004220841.1
##	212	LOC116408283	116408283	lncRNA	XR_004220842.1
##	213	LOC116408284	116408284	lncRNA	XR_004220843.1
##	214	LOC116408285	116408285	lncRNA	XR_004220844.1
##	215	LOC116408286	116408286	lncRNA	XR_004220845.1
##	216	LOC100491053	100491053	protein-coding	XM_012956010.1
##	217	LOC101733694	101733694	protein-coding	XM_018090902.1
##	218	LOC108645667	108645667	protein-coding	XM_031904440.1
##	219	LOC100486691	100486691	protein-coding	XM_031904459.1
##	220	LOC108645668	108645668	protein-coding	XM_018090905.1
##	221	LOC100491388	100491388	protein-coding	XM_031904464.1
##	222	LOC105946363	105946363	protein-coding	XM_012956004.1
##	223	LOC100498296	100498296	protein-coding	XM_012956003.2
##	224	LOC105945181	105945181	protein-coding	XM_012956001.3
##	225	LOC116408515	116408515	snoRNA	XR_004221018.1
##	226	LOC116408514	116408514	snoRNA	XR_004221017.1
##	227	LOC116408431	116408431	lncRNA	XR_004220921.1
##	228	LOC116408432	116408432	lncRNA	XR_004220922.1
##	229	LOC105946477	105946477	lncRNA	XR_001169861.3
##	230	LOC116408557	116408557	pseudogene	
##	231	nsd2	100125213	protein-coding	XR_001924793.2
##	232	LOC116408434	116408434	lncRNA	XR_004220923.1
##	233	LOC116408435	116408435	lncRNA	XR_004220924.1
##	234	LOC100496125	100496125	pseudogene	
##	235	LOC116408436	116408436	lncRNA	XR_004220925.1
##	236	LOC108645669	108645669	lncRNA	XR_004220926.1
##	237	LOC105946263	105946263	lncRNA	XR_001169787.3
##	238	LOC116408437	116408437	lncRNA	XR_004220927.1
##	239	LOC105946260	105946260	lncRNA	XR_001169784.3
##	240	LOC105946261	105946261	lncRNA	XR_001169785.3
##	241	LOC116408438	116408438	lncRNA	XR_004220928.1
##	242	evc	100124788	protein-coding	XR_001170732.3
##	243	LOC101734699	101734699	protein-coding	XR_208258.4
##	244	LOC108645360	108645360	misc_RNA	XR_004223317.1
##	245	LOC116408287	116408287	lncRNA	XR_004220846.1
##	246	LOC116408439	116408439	lncRNA	XR_004220929.1
##	247	LOC116408440	116408440	lncRNA	XR_004220930.1
##	248	LOC116408441	116408441	lncRNA	XR_004220931.1
##	249	LOC116408441	116408441	lncRNA	XR_004220932.1
##	250	LOC116408442	116408442	lncRNA	XR_004220933.1
##	251	prom1	100036621	protein-coding	XR_001171270.3
##	252	prom1	100036621	protein-coding	XR_004222397.1
##	253	prom1	100036621	protein-coding	XR_004222424.1
##	254	prom1	100036621	protein-coding	XR_004222445.1
##	255	prom1	100036621	protein-coding	XR_004222566.1
##	256	prom1	100036621	protein-coding	XR_004222619.1
##	257	prom1	100036621	protein-coding	XR_004222624.1
##	258	prom1	100036621	protein-coding	XR_004222629.1
##	259	prom1	100036621	protein-coding	XR_004222690.1

## 260	prom1	100036621	protein-coding	XR_004222706.1
## 261	prom1	100036621	protein-coding	XR_004222720.1
## 262	prom1	100036621	protein-coding	XR_004222771.1
## 263	LOC116408443	116408443	lncRNA	XR_004220934.1
## 264	mir218-1	100886820	miRNA	NR_049615.1
## 265	LOC116408545	116408545	pseudogene	
## 266	LOC100492129	100492129	pseudogene	
## 267	LOC101730811	101730811	lncRNA	XR_001169351.3
## 268	LOC116408289	116408289	lncRNA	XR_004220847.1
## 269	LOC108645172	108645172	lncRNA	XR_001923471.2
## 270	LOC108645173	108645173	lncRNA	XR_001923472.2
## 271	LOC116408290	116408290	lncRNA	XR_004220848.1
## 272	LOC116408444	116408444	lncRNA	XR_004220935.1
## 273	LOC116408291	116408291	lncRNA	XR_004220849.1
## 274	LOC105945533	105945533	lncRNA	XR_001169092.3
## 275	LOC101733197	101733197	pseudogene	
## 276	LOC116408445	116408445	lncRNA	XR_004220936.1
## 277	LOC116408448	116408448	lncRNA	XR_004220937.1
## 278	LOC116408449	116408449	lncRNA	XR_004220938.1
## 279	LOC116408450	116408450	lncRNA	XR_004220939.1
## 280	LOC116408451	116408451	lncRNA	XR_004220940.1
## 281	LOC116408452	116408452	lncRNA	XR_004220941.1
## 282	LOC116408453	116408453	lncRNA	XR_004220942.1
## 283	LOC116408454	116408454	lncRNA	XR_004220943.1
## 284	LOC116408455	116408455	lncRNA	XR_004220944.1
## 285	LOC116408456	116408456	lncRNA	XR_004220945.1
## 286	LOC100490984	100490984	pseudogene	
## 287	LOC116408457	116408457	lncRNA	XR_004220946.1
## 288	LOC105945501	105945501	lncRNA	XR_001169060.3
## 289	LOC100492989	100492989	pseudogene	
## 290	LOC116408460	116408460	lncRNA	XR_004220947.1
## 291	LOC116408462	116408462	lncRNA	XR_004220948.1
## 292	LOC100487199	100487199	lncRNA	XR_208256.4
## 293	LOC116408508	116408508	snoRNA	XR_004221011.1
## 294	LOC116408507	116408507	snoRNA	XR_004221010.1
## 295	LOC116408292	116408292	lncRNA	XR_004220850.1
## 296	LOC101730516	101730516	lncRNA	XR_004220949.1
## 297	LOC116408293	116408293	lncRNA	XR_004220851.1
## 298	mir383	100886825	miRNA	NR_049625.1
## 299	LOC116408463	116408463	lncRNA	XR_004220950.1
## 300	LOC116408464	116408464	lncRNA	XR_004220951.1
## 301	fat1	100489070	protein-coding	XR_208254.4
## 302	LOC116408294	116408294	lncRNA	XR_004220852.1
## 303	LOC116408466	116408466	lncRNA	XR_004220952.1
## 304	LOC105946470	105946470	lncRNA	XR_004220853.1
## 305	LOC116408468	116408468	lncRNA	XR_004220953.1
## 306	LOC116408295	116408295	lncRNA	XR_004220854.1
## 307	LOC116408296	116408296	lncRNA	XR_004220855.1
## 308	hpgd	493354	protein-coding	XR_001170393.2
## 309	LOC101731812	101731812	lncRNA	XR_004220954.1
## 310	LOC101731713	101731713	lncRNA	XR_208251.4
## 311	LOC101731713	101731713	lncRNA	XR_001169771.3
## 312	LOC101731713	101731713	lncRNA	XR_004220955.1
## 313	LOC105946249	105946249	lncRNA	XR_001169767.3

## 314	LOC105946249	105946249	lncRNA	XR_001924894.2
## 315	LOC105946250	105946250	lncRNA	XR_001924895.2
## 316	LOC116408469	116408469	lncRNA	XR_004220956.1
## 317	LOC105946247	105946247	lncRNA	XR_001169766.3
## 318	LOC116408470	116408470	lncRNA	XR_004220957.1
## 319	LOC116408470	116408470	lncRNA	XR_004220958.1
## 320	tmem192	549127	protein-coding	XR_001170645.3
## 321	LOC100494224	100494224	lncRNA	XR_004220959.1
## 322	LOC116408297	116408297	lncRNA	XR_004220856.1
## 323	gria2	100216082	protein-coding	XR_004221074.1
## 324	glrb	779708	protein-coding	XR_001170973.3
## 325	LOC108648176	108648176	pseudogene	
## 326	LOC116408298	116408298	pseudogene	
## 327	tmem1311	100144926	protein-coding	XR_004220960.1
## 328	LOC105946244	105946244	lncRNA	XR_001924934.2
## 329	LOC100486522	100486522	pseudogene	
## 330	LOC116408471	116408471	lncRNA	XR_004220961.1
## 331	LOC116408472	116408472	lncRNA	XR_004220962.1
## 332	LOC108648197	108648197	protein-coding	XR_004220963.1
## 333	LOC108648197	108648197	protein-coding	XR_004220964.1
## 334	LOC108648197	108648197	protein-coding	XR_004220965.1
## 335	LOC108648197	108648197	protein-coding	XR_004220966.1
## 336	LOC108648197	108648197	protein-coding	XR_004220967.1
## 337	LOC108648197	108648197	protein-coding	XR_004220968.1
## 338	LOC105946241	105946241	lncRNA	XR_001169757.2
## 339	LOC116408473	116408473	lncRNA	XR_004220969.1
## 340	LOC116408474	116408474	lncRNA	XR_004220970.1
## 341	LOC108648193	108648193	protein-coding	XR_004220971.1
## 342	LOC108648193	108648193	protein-coding	XR_004220972.1
## 343	LOC108648193	108648193	protein-coding	XR_004220973.1
## 344	LOC108648193	108648193	protein-coding	XR_004220974.1
## 345	LOC108648193	108648193	protein-coding	XR_004220975.1
## 346	LOC116408479	116408479	lncRNA	XR_004220976.1
## 347	sh3d19	100486995	protein-coding	XR_004220977.1
## 348	sh3d19	100486995	protein-coding	XR_004220978.1
## 349	sh3d19	100486995	protein-coding	XR_004220979.1
## 350	sh3d19	100486995	protein-coding	XR_004220980.1
## 351	sh3d19	100486995	protein-coding	XR_004220981.1
## 352	LOC116408484	116408484	snoRNA	XR_004220987.1
## 353	LOC116408569	116408569	snoRNA	XR_004221051.1
## 354	LOC116408568	116408568	snoRNA	XR_004221050.1
## 355	LOC105946240	105946240	lncRNA	XR_004220982.1
## 356	LOC116408480	116408480	lncRNA	XR_004220983.1
## 357	dclk2	100487296	protein-coding	XR_004220984.1
## 358	LOC116408299	116408299	lncRNA	XR_004220857.1
## 359	LOC116408481	116408481	lncRNA	XR_004220985.1
## 360	LOC116408300	116408300	lncRNA	XR_004220858.1
## 361	LOC116408302	116408302	lncRNA	XR_004220859.1
## 362	mgarp	733464	protein-coding	XR_004220986.1
## 363	slc7a11	100496726	protein-coding	XR_001924989.2
## 364	pcdh10	779938	protein-coding	XR_001171056.3
## 365	LOC108645672	108645672	pseudogene	
## 366	LOC116410922	116410922	lncRNA	XR_004222756.1
## 367	LOC108648245	108648245	lncRNA	XR_004222757.1

## 368	LOC116408303	116408303	lncRNA	XR_004220860.1
## 369	LOC116410961	116410961	lncRNA	XR_004222790.1
## 370	LOC116410957	116410957	pseudogene	
## 371	LOC116410960	116410960	lncRNA	XR_004222789.1
## 372	LOC100493858	100493858	protein-coding	XR_004222786.1
## 373	LOC100493858	100493858	protein-coding	XR_004222787.1
## 374	LOC100493858	100493858	protein-coding	XR_004222788.1
## 375	LOC108648247	108648247	protein-coding	XR_004222774.1
## 376	LOC108648247	108648247	protein-coding	XR_004222776.1
## 377	LOC105946226	105946226	lncRNA	XR_004222784.1
## 378	cyp2u1	100127656	protein-coding	XR_004223535.1
## 379	LOC116410972	116410972	lncRNA	XR_004222791.1
## 380	LOC116408305	116408305	lncRNA	XR_004220861.1
## 381	LOC116408307	116408307	lncRNA	XR_004220862.1
## 382	LOC116408555	116408555	pseudogene	
## 383	trnav-uac	108645733	tRNA	
## 384	trnav-uac	108645721	tRNA	
## 385	trnav-uac	108645732	tRNA	
## 386	trnav-uac	108645738	tRNA	
## 387	LOC105946224	105946224	lncRNA	XR_001169738.2
## 388	LOC116410985	116410985	lncRNA	XR_004222792.1
## 389	LOC108648251	108648251	lncRNA	XR_001925003.2
## 390	mir367	100886938	miRNA	NR_049624.1
## 391	mir302	100886824	miRNA	NR_049622.1
## 392	LOC116411088	116411088	lncRNA	XR_004222835.1
## 393	LOC101732926	101732926	lncRNA	XR_001169740.3
## 394	LOC116408502	116408502	snoRNA	XR_004221005.1
## 395	LOC116408501	116408501	snoRNA	XR_004221004.1
## 396	c4orf3	105946225	lncRNA	XR_004222846.1
## 397	LOC116411102	116411102	lncRNA	XR_004222847.1
## 398	LOC116411109	116411109	lncRNA	XR_004222858.1
## 399	gstcd	100380179	protein-coding	XR_001925008.2
## 400	LOC108645705	108645705	pseudogene	
## 401	LOC116411445	116411445	lncRNA	XR_004223074.1
## 402	LOC116408503	116408503	other	XR_004221006.1
## 403	LOC116411449	116411449	lncRNA	XR_004223077.1
## 404	LOC116411449	116411449	lncRNA	XR_004223078.1
## 405	LOC116411450	116411450	lncRNA	XR_004223082.1
## 406	rufy3	779660	protein-coding	XR_004222620.1
## 407	LOC116411451	116411451	lncRNA	XR_004223083.1
## 408	LOC105945456	105945456	lncRNA	XR_001923315.2
## 409	LOC105945456	105945456	lncRNA	XR_004223086.1
## 410	LOC116411452	116411452	lncRNA	XR_004223088.1
## 411	LOC116411453	116411453	lncRNA	XR_004223089.1
## 412	LOC105948228	105948228	lncRNA	XR_004223090.1
## 413	LOC105948228	105948228	lncRNA	XR_004223091.1
## 414	LOC116411454	116411454	lncRNA	XR_004223092.1
## 415	LOC116411454	116411454	lncRNA	XR_004223093.1
## 416	hnrnpd	594903	protein-coding	XR_001170824.3
## 417	hnrnpd	594903	protein-coding	XR_001170825.3
## 418	hnrnpdl	496424	protein-coding	XR_001170398.3
## 419	rbpms	100038229	protein-coding	XR_004221349.1
## 420	fras1	100487299	protein-coding	XR_004223098.1
## 421	fras1	100487299	protein-coding	XR_004223099.1

## 422	LOC105946340	105946340	pseudogene	
## 423	LOC100489354	100489354	lncRNA	XR_001169589.2
## 424	LOC100489354	100489354	lncRNA	XR_004223100.1
## 425	LOC105946056	105946056	lncRNA	XR_001169593.3
## 426	LOC105946056	105946056	lncRNA	XR_004223101.1
## 427	LOC108645709	108645709	lncRNA	XR_001923943.2
## 428	LOC116408311	116408311	lncRNA	XR_004220863.1
## 429	LOC105948145	105948145	lncRNA	XR_001171525.3
## 430	LOC105948246	105948246	lncRNA	XR_004223117.1
## 431	LOC105948246	105948246	lncRNA	XR_004223118.1
## 432	LOC108648883	108648883	lncRNA	XR_001925345.2
## 433	LOC116412001	116412001	pseudogene	
## 434	LOC116411477	116411477	lncRNA	XR_004223125.1
## 435	LOC116408312	116408312	lncRNA	XR_004220864.1
## 436	LOC116408539	116408539	pseudogene	
## 437	kdm4b	394661	protein-coding	XR_004221360.1
## 438	LOC105946089	105946089	lncRNA	XR_001169618.3
## 439	LOC101732465	101732465	lncRNA	XR_208232.4
## 440	LOC108646210	108646210	lncRNA	XR_004223132.1
## 441	LOC116411519	116411519	lncRNA	XR_004223164.1
## 442	LOC108648333	108648333	lncRNA	XR_004223169.1
## 443	LOC108648333	108648333	lncRNA	XR_004223170.1
## 444	LOC108648333	108648333	lncRNA	XR_004223171.1
## 445	LOC108648333	108648333	lncRNA	XR_004223172.1
## 446	LOC108648333	108648333	lncRNA	XR_004223173.1
## 447	LOC105945920	105945920	lncRNA	XR_004223184.1
## 448	LOC105945922	105945922	lncRNA	XR_001925096.2
## 449	LOC105945922	105945922	lncRNA	XR_001925131.2
## 450	LOC105945922	105945922	lncRNA	XR_004223174.1
## 451	LOC105945922	105945922	lncRNA	XR_004223175.1
## 452	LOC105945922	105945922	lncRNA	XR_004223176.1
## 453	LOC105945922	105945922	lncRNA	XR_004223177.1
## 454	LOC105945922	105945922	lncRNA	XR_004223178.1
## 455	LOC105945922	105945922	lncRNA	XR_004223179.1
## 456	LOC105945922	105945922	lncRNA	XR_004223181.1
## 457	LOC105945922	105945922	lncRNA	XR_004223182.1
## 458	LOC105945922	105945922	lncRNA	XR_004223183.1
## 459	LOC116411549	116411549	lncRNA	XR_004223190.1
## 460	LOC116411553	116411553	lncRNA	XR_004223197.1
## 461	LOC116411552	116411552	lncRNA	XR_004223195.1
## 462	LOC116411552	116411552	lncRNA	XR_004223196.1
## 463	purg	100498118	misc_RNA	XR_004220865.1
## 464	nfic	100491004	protein-coding	XR_001925166.2
## 465	rexo1	100145565	protein-coding	XR_004223325.1
## 466	LOC116408551	116408551	snRNA	XR_004221043.1
## 467	LOC108648369	108648369	lncRNA	XR_001925188.2
## 468	gpx4	100496541	protein-coding	NR_130902.1
## 469	trnaa-cgc	108645739	tRNA	
## 470	LOC116408565	116408565	snRNA	XR_004221047.1
## 471	LOC116408314	116408314	V_segment	
## 472	LOC116408314	116408314	other	
## 473	LOC116411999	116411999	lncRNA	XR_004223454.1
## 474	LOC116412000	116412000	lncRNA	XR_004223455.1
## 475	LOC108648378	108648378	V_segment	

## 476	LOC108648378	108648378	other	
## 477	LOC105945765	105945765	V_segment	
## 478	LOC105945765	105945765	other	
## 479	LOC108648379	108648379	V_segment	
## 480	LOC108648379	108648379	other	
## 481	LOC101734175	101734175	transcribed_pseudogene	XR_001169312.3
## 482	LOC101734108	101734108	pseudogene	
## 483	trnay-gua	108645740	tRNA	
## 484	LOC105945731	105945731	lncRNA	XR_004223456.1
## 485	LOC105945731	105945731	lncRNA	XR_004223457.1
## 486	LOC105945731	105945731	lncRNA	XR_004223458.1
## 487	LOC105945731	105945731	lncRNA	XR_004223459.1
## 488	LOC116412003	116412003	protein-coding	XR_004223460.1
## 489	btbd2	100038185	protein-coding	XR_208219.4
## 490	LOC116412038	116412038	lncRNA	XR_004223490.1
## 491	LOC116412039	116412039	lncRNA	XR_004223491.1
## 492	LOC105945613	105945613	lncRNA	XR_001169167.3
## 493	LOC105945613	105945613	lncRNA	XR_001925254.2
## 494	LOC116412066	116412066	pseudogene	
## 495	trnag-ucc	108645722	tRNA	
## 496	trnae-cuc	108645734	tRNA	
## 497	LOC116408317	116408317	lncRNA	XR_004220866.1
## 498	LOC116408319	116408319	lncRNA	XR_004220867.1
## 499	palm2	100533180	protein-coding	XR_004221281.1
## 500	LOC105945455	105945455	lncRNA	XR_001169022.3
## 501	LOC116408320	116408320	lncRNA	XR_004220868.1
## 502	LOC101734867	101734867	lncRNA	XR_208207.4
## 503	LOC101734867	101734867	lncRNA	XR_004223718.1
## 504	LOC116406518	116406518	lncRNA	XR_004219446.1
## 505	LOC108648926	108648926	lncRNA	XR_001925398.2
## 506	LOC105945472	105945472	lncRNA	XR_004219448.1
## 507	LOC105945472	105945472	lncRNA	XR_004219450.1
## 508	LOC116406520	116406520	lncRNA	XR_004219464.1
## 509	hook3	100145808	protein-coding	XR_004219465.1
## 510	LOC105946338	105946338	pseudogene	
## 511	LOC101731124	101731124	lncRNA	XR_208222.4
## 512	LOC101731124	101731124	lncRNA	XR_001169374.3
## 513	LOC101731124	101731124	lncRNA	XR_001169375.3
## 514	mir9b	100886919	miRNA	NR_049539.1
## 515	celf5	100036604	protein-coding	XR_001924017.2
## 516	celf5	100036604	protein-coding	XR_004221849.1
## 517	shb	100489262	protein-coding	XR_208223.4
## 518	LOC116408322	116408322	lncRNA	XR_004220869.1
## 519	LOC116408323	116408323	lncRNA	XR_004220870.1
## 520	LOC116408324	116408324	lncRNA	XR_004220871.1
## 521	LOC101733073	101733073	protein-coding	XR_004219468.1
## 522	nipsnap3a	448244	protein-coding	XR_004221848.1
## 523	tal2	100491656	lncRNA	XR_208206.4
## 524	mir31a	100886895	miRNA	NR_049665.1
## 525	LOC116406523	116406523	lncRNA	XR_004219471.1
## 526	LOC116406524	116406524	lncRNA	XR_004219472.1
## 527	frem1	100488523	protein-coding	XR_001925426.2
## 528	zdhhc21	548827	protein-coding	XR_004222167.1
## 529	trnah-gug	108645735	tRNA	

## 530	LOC116406525	116406525	lncRNA	XR_004219474.1
## 531	mir101a-1	100886947	miRNA	NR_049672.1
## 532	rfx3	779608	protein-coding	XR_004222617.1
## 533	LOC100496840	100496840	pseudogene	
## 534	LOC116406561	116406561	lncRNA	XR_004219566.1
## 535	LOC116408563	116408563	pseudogene	
## 536	LOC116408562	116408562	snRNA	XR_004221045.1
## 537	LOC116408325	116408325	lncRNA	XR_004220872.1
## 538	trnay-gua	108645723	tRNA	
## 539	LOC108644692	108644692	lncRNA	XR_004219583.1
## 540	mamdc2	780302	protein-coding	XR_004222708.1
## 541	mir204-2	100886862	miRNA	NR_049692.1
## 542	LOC105946328	105946328	pseudogene	
## 543	LOC105948580	105948580	lncRNA	XR_001923945.2
## 544	LOC105948530	105948530	lncRNA	XR_001171954.3
## 545	mir7-1	100886900	miRNA	NR_049534.1
## 546	LOC116406593	116406593	lncRNA	XR_004219597.1
## 547	mir23b	100886843	miRNA	NR_049657.1
## 548	mir27b	100886788	miRNA	NR_049554.1
## 549	mir24a	100886941	miRNA	NR_049639.1
## 550	ptch1	100492061	protein-coding	XR_004219665.1
## 551	LOC101734454	101734454	lncRNA	XR_208203.4
## 552	LOC116408326	116408326	lncRNA	XR_004220873.1
## 553	LOC116406620	116406620	lncRNA	XR_004219709.1
## 554	LOC116406630	116406630	lncRNA	XR_004219715.1
## 555	LOC116406630	116406630	lncRNA	XR_004219716.1
## 556	LOC105948573	105948573	lncRNA	XR_001172011.3
## 557	mir208	100886864	miRNA	NR_049695.1
## 558	trnar-acg	108645724	tRNA	
## 559	LOC101731310	101731310	protein-coding	XR_004219736.1
## 560	LOC101731310	101731310	protein-coding	XR_004219737.1
## 561	LOC101731310	101731310	protein-coding	XR_004219738.1
## 562	LOC101731310	101731310	protein-coding	XR_004219739.1
## 563	LOC101731310	101731310	protein-coding	XR_004219740.1
## 564	LOC101731310	101731310	protein-coding	XR_004219741.1
## 565	LOC101730959	101730959	C_region	
## 566	LOC101730959	101730959	other	
## 567	LOC116408327	116408327	lncRNA	XR_004220874.1
## 568	LOC116412143	116412143	C_region	
## 569	LOC116412143	116412143	other	
## 570	LOC116406690	116406690	lncRNA	XR_004219752.1
## 571	LOC116406695	116406695	lncRNA	XR_004219755.1
## 572	LOC116406688	116406688	V_segment	
## 573	LOC116406688	116406688	other	
## 574	LOC108645683	108645683	V_segment	
## 575	LOC108645683	108645683	other	
## 576	LOC108645684	108645684	V_segment	
## 577	LOC108645684	108645684	other	
## 578	LOC116406689	116406689	V_segment	
## 579	LOC116406689	116406689	other	
## 580	LOC116412146	116412146	V_segment	
## 581	LOC116412146	116412146	other	
## 582	LOC116412153	116412153	V_segment	
## 583	LOC116412153	116412153	other	

## 584	LOC116412158	116412158	V_segment	
## 585	LOC116412158	116412158	other	
## 586	LOC116412159	116412159	V_segment	
## 587	LOC116412159	116412159	other	
## 588	LOC116412162	116412162	V_segment	
## 589	LOC116412162	116412162	other	
## 590	LOC116412164	116412164	V_segment	
## 591	LOC116412164	116412164	other	
## 592	LOC101732959	101732959	V_segment	
## 593	LOC101732959	101732959	other	
## 594	LOC116412174	116412174	V_segment	
## 595	LOC116412174	116412174	other	
## 596	LOC101733168	101733168	V_segment	
## 597	LOC101733168	101733168	other	
## 598	LOC101733218	101733218	V_segment	
## 599	LOC101733218	101733218	other	
## 600	LOC116412182	116412182	V_segment	
## 601	LOC116412182	116412182	other	
## 602	LOC101733867	101733867	V_segment	
## 603	LOC101733867	101733867	other	
## 604	LOC101734352	101734352	V_segment	
## 605	LOC101734352	101734352	other	
## 606	LOC105946447	105946447	V_segment	
## 607	LOC105946447	105946447	other	
## 608	LOC108645686	108645686	V_segment	
## 609	LOC108645686	108645686	other	
## 610	LOC108645687	108645687	V_segment	
## 611	LOC108645687	108645687	other	
## 612	LOC101734807	101734807	V_segment	
## 613	LOC101734807	101734807	other	
## 614	LOC116412202	116412202	V_segment	
## 615	LOC116412202	116412202	other	
## 616	LOC101735293	101735293	V_segment	
## 617	LOC101735293	101735293	other	
## 618	LOC116406700	116406700	V_segment	
## 619	LOC116406700	116406700	other	
## 620	LOC116406697	116406697	V_segment	
## 621	LOC116406697	116406697	other	
## 622	LOC116406708	116406708	lncRNA	XR_004219764.1
## 623	LOC116406509	116406509	V_segment	
## 624	LOC116406509	116406509	other	
## 625	LOC116406703	116406703	V_segment	
## 626	LOC116406703	116406703	other	
## 627	LOC101731734	101731734	V_segment	
## 628	LOC101731734	101731734	other	
## 629	LOC116412217	116412217	V_segment	
## 630	LOC116412217	116412217	other	
## 631	trnat-ugu	108645725	tRNA	
## 632	trnap-agg	108645726	tRNA	
## 633	trnap-ugg	108645736	tRNA	
## 634	trnap-ugg	108645727	tRNA	
## 635	LOC100496939	100496939	lncRNA	XR_001171755.3
## 636	LOC100496939	100496939	lncRNA	XR_001923355.2
## 637	LOC100496939	100496939	lncRNA	XR_001923356.2

## 638	LOC100496939	100496939	lncRNA	XR_004219777.1
## 639	LOC116408513	116408513	snoRNA	XR_004221016.1
## 640	LOC116406741	116406741	lncRNA	XR_004219783.1
## 641	LOC101731579	101731579	pseudogene	
## 642	LOC100495683	100495683	misc_RNA	XR_004219787.1
## 643	morc2	779459	protein-coding	XR_001170962.3
## 644	morc2	779459	protein-coding	XR_001924596.2
## 645	LOC116406820	116406820	lncRNA	XR_004219814.1
## 646	LOC116408328	116408328	lncRNA	XR_004220875.1
## 647	LOC108645063	108645063	lncRNA	XR_001923425.2
## 648	LOC108645063	108645063	lncRNA	XR_004219815.1
## 649	LOC108645074	108645074	lncRNA	XR_001923426.2
## 650	LOC108645148	108645148	lncRNA	XR_001923442.2
## 651	LOC108645148	108645148	lncRNA	XR_004219816.1
## 652	LOC116408540	116408540	snRNA	XR_004221039.1
## 653	LOC108645158	108645158	lncRNA	XR_001923453.2
## 654	sgsm1	100127590	protein-coding	XR_004223461.1
## 655	LOC108645160	108645160	lncRNA	XR_001923456.2
## 656	LOC116406884	116406884	pseudogene	
## 657	LOC105948288	105948288	lncRNA	XR_004219867.1
## 658	LOC100497306	100497306	lncRNA	XR_208187.4
## 659	LOC100497306	100497306	lncRNA	XR_004219874.1
## 660	LOC116412295	116412295	pseudogene	
## 661	ttc28	100485210	protein-coding	XR_004219877.1
## 662	LOC116408566	116408566	snRNA	XR_004221048.1
## 663	LOC116408330	116408330	lncRNA	XR_004220876.1
## 664	bicdl1	779781	protein-coding	XR_004222626.1
## 665	LOC116408541	116408541	pseudogene	
## 666	LOC116408547	116408547	snRNA	XR_004221041.1
## 667	LOC116408548	116408548	snRNA	XR_004221042.1
## 668	depdc5	100498286	protein-coding	XR_004219928.1
## 669	LOC100497199	100497199	pseudogene	
## 670	LOC101735097	101735097	V_segment	
## 671	LOC101735097	101735097	other	
## 672	LOC116407069	116407069	V_segment	
## 673	LOC116407069	116407069	other	
## 674	LOC116407074	116407074	V_segment	
## 675	LOC116407074	116407074	other	
## 676	LOC116412299	116412299	V_segment	
## 677	LOC116412299	116412299	other	
## 678	LOC116407072	116407072	V_segment	
## 679	LOC116407072	116407072	other	
## 680	LOC116412301	116412301	V_segment	
## 681	LOC116412301	116412301	other	
## 682	LOC108645239	108645239	V_segment	
## 683	LOC108645239	108645239	other	
## 684	LOC116407119	116407119	V_segment	
## 685	LOC116407119	116407119	other	
## 686	LOC116412306	116412306	pseudogene	
## 687	LOC108645690	108645690	V_segment	
## 688	LOC108645690	108645690	other	
## 689	LOC116407151	116407151	V_segment	
## 690	LOC116407151	116407151	other	
## 691	LOC116407135	116407135	V_segment	

## 692	LOC116407135	116407135	other	
## 693	LOC105948241	105948241	V_segment	
## 694	LOC105948241	105948241	other	
## 695	LOC105945882	105945882	V_segment	
## 696	LOC105945882	105945882	other	
## 697	LOC116407213	116407213	lncRNA	XR_004220179.1
## 698	LOC116407167	116407167	V_segment	
## 699	LOC116407167	116407167	other	
## 700	LOC101733767	101733767	V_segment	
## 701	LOC101733767	101733767	other	
## 702	mir130b	100886800	miRNA	NR_049577.1
## 703	mir454	114482648	miRNA	NR_161933.1
## 704	mir301-2	100886910	miRNA	NR_049621.1
## 705	mir130c	100886929	miRNA	NR_049576.1
## 706	LOC101733130	101733130	lncRNA	XR_004220272.1
## 707	LOC101733130	101733130	lncRNA	XR_004220273.1
## 708	LOC101733130	101733130	lncRNA	XR_004220278.1
## 709	LOC101733130	101733130	lncRNA	XR_004220280.1
## 710	LOC101732760	101732760	lncRNA	XR_208183.4
## 711	LOC101732760	101732760	lncRNA	XR_004220877.1
## 712	LOC101732721	101732721	lncRNA	XR_208182.3
## 713	LOC116408512	116408512	snoRNA	XR_004221015.1
## 714	LOC105948212	105948212	lncRNA	XR_001171618.3
## 715	LOC116408505	116408505	snoRNA	XR_004221008.1
## 716	LOC116408506	116408506	snoRNA	XR_004221009.1
## 717	LOC105948198	105948198	lncRNA	XR_001171599.2
## 718	LOC100488577	100488577	protein-coding	XR_001923702.2
## 719	glt1d1	448395	protein-coding	XR_001170282.3
## 720	trnaa-ugc	108645737	tRNA	
## 721	trnad-guc	116408570	tRNA	
## 722	LOC105946304	105946304	pseudogene	
## 723	trnaf-gaa	108645728	tRNA	
## 724	trnad-guc	108645729	tRNA	
## 725	LOC116408544	116408544	pseudogene	
## 726	LOC116407493	116407493	lncRNA	XR_004220351.1
## 727	LOC100491839	100491839	lncRNA	XR_208181.4
## 728	LOC116407494	116407494	lncRNA	XR_004220353.1
## 729	LOC101733658	101733658	lncRNA	XR_001923759.1
## 730	LOC101733658	101733658	lncRNA	XR_001923760.2
## 731	LOC101733658	101733658	lncRNA	XR_004220354.1
## 732	LOC101733658	101733658	lncRNA	XR_004220355.1
## 733	LOC101733658	101733658	lncRNA	XR_004220356.1
## 734	LOC116407495	116407495	lncRNA	XR_004220357.1
## 735	LOC108645387	108645387	lncRNA	XR_001923777.2
## 736	atp2a2	100489059	protein-coding	XR_001923782.2
## 737	atp2a2	100489059	protein-coding	XR_004220358.1
## 738	trafd1	448446	protein-coding	XR_004221854.1
## 739	LOC116407509	116407509	lncRNA	XR_004220373.1
## 740	LOC116408391	116408391	pseudogene	
## 741	LOC101733588	101733588	lncRNA	XR_208175.4
## 742	LOC101733588	101733588	lncRNA	XR_004220400.1
## 743	LOC116408485	116408485	snoRNA	XR_004220988.1
## 744	LOC116407554	116407554	lncRNA	XR_004220409.1
## 745	LOC116408392	116408392	pseudogene	

## 746	prdm6	100494529	protein-coding	XR_004220413.1
## 747	LOC116408332	116408332	lncRNA	XR_004220878.1
## 748	LOC101734078	101734078	pseudogene	
## 749	LOC105948047	105948047	lncRNA	XR_001923855.2
## 750	LOC105948047	105948047	lncRNA	XR_004220414.1
## 751	LOC105948047	105948047	lncRNA	XR_004220415.1
## 752	LOC116407580	116407580	lncRNA	XR_004220416.1
## 753	LOC116408393	116408393	pseudogene	
## 754	mcc	100216150	protein-coding	XR_001169921.3
## 755	nrep	100487101	lncRNA	XR_001171479.3
## 756	nrep	100487101	lncRNA	XR_001923429.2
## 757	nrep	100487101	lncRNA	XR_001923430.2
## 758	LOC116407637	116407637	lncRNA	XR_004220466.1
## 759	LOC116407640	116407640	lncRNA	XR_004220468.1
## 760	LOC116407640	116407640	lncRNA	XR_004220469.1
## 761	LOC105948038	105948038	lncRNA	XR_004220470.1
## 762	LOC101734714	101734714	lncRNA	XR_208176.4
## 763	LOC101734714	101734714	lncRNA	XR_001171490.3
## 764	LOC101734714	101734714	lncRNA	XR_004220483.1
## 765	LOC101734714	101734714	lncRNA	XR_004220484.1
## 766	LOC108645630	108645630	lncRNA	XR_001923916.2
## 767	LOC116407671	116407671	lncRNA	XR_004220489.1
## 768	LOC105948037	105948037	lncRNA	XR_001923915.2
## 769	LOC105948036	105948036	lncRNA	XR_001171461.3
## 770	mir9a-2	100886922	miRNA	NR_049538.1
## 771	LOC116408334	116408334	lncRNA	XR_004220879.1
## 772	LOC108645629	108645629	lncRNA	XR_001923914.2
## 773	LOC116408498	116408498	snoRNA	XR_004221001.1
## 774	LOC116408499	116408499	snoRNA	XR_004221002.1
## 775	LOC116407681	116407681	lncRNA	XR_004220497.1
## 776	LOC105945407	105945407	lncRNA	XR_004220500.1
## 777	LOC116408335	116408335	lncRNA	XR_004220880.1
## 778	LOC116407697	116407697	lncRNA	XR_004220505.1
## 779	LOC100216013	100216013	transcribed_pseudogene	NR_036688.1
## 780	serf1b	101734220	protein-coding	XR_001168870.3
## 781	LOC116407733	116407733	lncRNA	XR_004220533.1
## 782	hexb	100145770	protein-coding	XR_004221057.1
## 783	LOC116407780	116407780	lncRNA	XR_004220555.1
## 784	LOC116407786	116407786	lncRNA	XR_004220556.1
## 785	LOC116408567	116408567	snRNA	XR_004221049.1
## 786	LOC116408524	116408524	snoRNA	XR_004221027.1
## 787	LOC101734782	101734782	lncRNA	XR_208166.3
## 788	LOC116407875	116407875	lncRNA	XR_004220581.1
## 789	LOC116407907	116407907	lncRNA	XR_004220594.1
## 790	LOC116407907	116407907	lncRNA	XR_004220595.1
## 791	LOC116407908	116407908	lncRNA	XR_004220596.1
## 792	LOC100486571	100486571	lncRNA	XR_004220599.1
## 793	LOC105947847	105947847	lncRNA	XR_004220597.1
## 794	LOC105947847	105947847	lncRNA	XR_004220598.1
## 795	LOC116407909	116407909	lncRNA	XR_004220600.1
## 796	LOC116407910	116407910	protein-coding	XR_004220601.1
## 797	LOC116408336	116408336	lncRNA	XR_004220881.1
## 798	LOC116408337	116408337	lncRNA	XR_004220882.1
## 799	LOC116408338	116408338	lncRNA	XR_004220883.1

## 800	LOC116407913	116407913	lncRNA	XR_004220602.1
## 801	LOC116408340	116408340	lncRNA	XR_004220884.1
## 802	LOC116408351	116408351	lncRNA	XR_004220892.1
## 803	LOC116408341	116408341	lncRNA	XR_004220885.1
## 804	LOC116408341	116408341	lncRNA	XR_004220886.1
## 805	LOC116407915	116407915	lncRNA	XR_004220604.1
## 806	LOC116408342	116408342	protein-coding	XR_004220887.1
## 807	LOC116408343	116408343	lncRNA	XR_004220888.1
## 808	LOC101735128	101735128	lncRNA	XR_004220607.1
## 809	LOC116407918	116407918	lncRNA	XR_004220619.1
## 810	LOC101734477	101734477	protein-coding	XR_004220608.1
## 811	LOC101734477	101734477	protein-coding	XR_004220609.1
## 812	LOC101734477	101734477	protein-coding	XR_004220610.1
## 813	LOC101734477	101734477	protein-coding	XR_004220611.1
## 814	LOC101734477	101734477	protein-coding	XR_004220612.1
## 815	LOC101734477	101734477	protein-coding	XR_004220613.1
## 816	LOC101734477	101734477	protein-coding	XR_004220614.1
## 817	LOC116407917	116407917	lncRNA	XR_004220618.1
## 818	LOC116408344	116408344	lncRNA	XR_004220889.1
## 819	LOC116408536	116408536	pseudogene	
## 820	LOC116408537	116408537	pseudogene	
## 821	LOC116408535	116408535	snRNA	XR_004221038.1
## 822	LOC116408553	116408553	snRNA	XR_004221044.1
## 823	LOC116408528	116408528	snRNA	XR_004221031.1
## 824	LOC116408564	116408564	snRNA	XR_004221046.1
## 825	LOC116408489	116408489	snRNA	XR_004220992.1
## 826	LOC116408529	116408529	snRNA	XR_004221032.1
## 827	LOC116408500	116408500	snRNA	XR_004221003.1
## 828	LOC116408530	116408530	snRNA	XR_004221033.1
## 829	LOC116408511	116408511	snRNA	XR_004221014.1
## 830	LOC116408532	116408532	snRNA	XR_004221035.1
## 831	LOC116408522	116408522	snRNA	XR_004221025.1
## 832	LOC116408533	116408533	snRNA	XR_004221036.1
## 833	LOC116408525	116408525	snRNA	XR_004221028.1
## 834	LOC116408534	116408534	snRNA	XR_004221037.1
## 835	LOC116408531	116408531	snRNA	XR_004221034.1
## 836	LOC116408542	116408542	snRNA	XR_004221040.1
## 837	LOC116408526	116408526	snRNA	XR_004221029.1
## 838	LOC116408527	116408527	snRNA	XR_004221030.1
## 839	mir449c	100886879	miRNA	NR_049715.1
## 840	mir449b	100886956	miRNA	NR_049714.1
## 841	mir449a	100886868	miRNA	NR_049701.1
## 842	LOC105948004	105948004	protein-coding	XR_001923921.2
## 843	LOC116407930	116407930	protein-coding	XR_004220620.1
## 844	LOC116407944	116407944	lncRNA	XR_004220629.1
## 845	LOC105948028	105948028	lncRNA	XR_001171435.3
## 846	LOC105948028	105948028	lncRNA	XR_004220630.1
## 847	rpl37	100135133	protein-coding	XR_004219761.1
## 848	LOC116408509	116408509	snoRNA	XR_004221012.1
## 849	LOC116408510	116408510	snoRNA	XR_004221013.1
## 850	LOC100486506	100486506	lncRNA	XR_004220639.1
## 851	LOC108645639	108645639	lncRNA	XR_004220642.1
## 852	LOC116408349	116408349	lncRNA	XR_004220890.1
## 853	LOC116408350	116408350	lncRNA	XR_004220891.1

## 854	LOC116407965	116407965	lncRNA	XR_004220643.1
## 855	cplane1	100145666	misc_RNA	XR_001171457.3
## 856	cplane1	100145666	misc_RNA	XR_004220654.1
## 857	cplane1	100145666	misc_RNA	XR_004220656.1
## 858	cplane1	100145666	misc_RNA	XR_004220657.1
## 859	cplane1	100145666	misc_RNA	XR_004220658.1
## 860	cplane1	100145666	misc_RNA	XR_004220659.1
## 861	LOC105945830	105945830	lncRNA	XR_001169380.2
## 862	LOC116408352	116408352	lncRNA	XR_004220893.1
## 863	zfr	496597	protein-coding	XR_001170407.3
## 864	LOC116408493	116408493	snoRNA	XR_004220996.1
## 865	LOC116408492	116408492	snoRNA	XR_004220995.1
## 866	LOC116408494	116408494	snoRNA	XR_004220997.1
## 867	LOC105946298	105946298	lncRNA	XR_004220688.1
## 868	LOC116408049	116408049	lncRNA	XR_004220697.1
## 869	LOC100494751	100494751	lncRNA	XR_208167.4
## 870	LOC101732251	101732251	lncRNA	XR_004220708.1
## 871	mir122	100886796	miRNA	NR_049568.1
## 872	LOC116408131	116408131	lncRNA	XR_004220769.1
## 873	LOC116408142	116408142	lncRNA	XR_004220780.1
## 874	LOC116408353	116408353	lncRNA	XR_004220894.1
## 875	LOC116408497	116408497	other	XR_004221000.1
## 876	LOC116408213	116408213	lncRNA	XR_004220801.1
## 877	LOC116408220	116408220	lncRNA	XR_004220803.1
## 878	LOC116408487	116408487	snoRNA	XR_004220990.1
## 879	LOC116408488	116408488	snoRNA	XR_004220991.1
## 880	LOC116408486	116408486	snoRNA	XR_004220989.1
## 881	LOC116408491	116408491	snoRNA	XR_004220994.1
## 882	LOC116408490	116408490	snoRNA	XR_004220993.1
## 883	LOC116408375	116408375	pseudogene	
## 884	slc14a2	100487788	protein-coding	XR_004220804.1
## 885	setbp1	100125067	misc_RNA	XR_001171194.3
## 886	setbp1	100125067	misc_RNA	XR_001171195.3
## 887	celf4	779831	protein-coding	XR_004222627.1
## 888	celf4	779831	protein-coding	XR_004222628.1
## 889	LOC116408222	116408222	lncRNA	XR_004220805.1
## 890	LOC116408520	116408520	snoRNA	XR_004221023.1
## 891	LOC116408521	116408521	snoRNA	XR_004221024.1
## 892	LOC116408523	116408523	snoRNA	XR_004221026.1
## 893	LOC116408356	116408356	lncRNA	XR_004220895.1
## 894	LOC116408224	116408224	lncRNA	XR_004220806.1
## 895	LOC116408224	116408224	lncRNA	XR_004220807.1
## 896	LOC116408224	116408224	lncRNA	XR_004220808.1
## 897	pigo	100145458	protein-coding	XR_004221053.1
## 898	pigo	100145458	protein-coding	XR_004221054.1
## 899	LOC116408226	116408226	lncRNA	XR_004220809.1
## 900	vwa5a	100488123	protein-coding	XR_004220810.1
## 901	vwa5a	100488123	protein-coding	XR_004220811.1
## 902	vwa5a	100488123	protein-coding	XR_004220812.1
## 903	mtarc1	100487963	protein-coding	XR_004221258.1
## 904	mtarc1	100487963	protein-coding	XR_004221259.1
## 905	mtarc1	100487963	protein-coding	XR_004221260.1
## 906	mtarc1	100487963	protein-coding	XR_004221261.1
## 907	LOC116408359	116408359	pseudogene	

## 908	LOC116412609	116412609	pseudogene	
## 909	LOC101732817	101732817	lncRNA	XR_001923700.2
## 910	LOC116408239	116408239	pseudogene	
## 911	LOC116408240	116408240	pseudogene	
## 912	retn.1	101732588	lncRNA	XR_004220813.1
## 913	retn.1	101732588	lncRNA	XR_004220814.1
## 914	LOC116412611	116412611	pseudogene	
## 915	LOC108647448	108647448	lncRNA	XR_004220815.1
## 916	LOC108647448	108647448	lncRNA	XR_004220816.1
## 917	LOC116408252	116408252	lncRNA	XR_004220817.1
## 918	LOC116408252	116408252	lncRNA	XR_004220818.1
## 919	LOC105945933	105945933	lncRNA	XR_004220896.1
## 920	arhgef39	100485947	protein-coding	XR_004220819.1
## 921	LOC116408556	116408556	pseudogene	
## 922	LOC116412616	116412616	pseudogene	
## 923	LOC116408560	116408560	pseudogene	
## 924	LOC116412617	116412617	pseudogene	
## 925	LOC116408559	116408559	pseudogene	
## 926	LOC116408554	116408554	pseudogene	
## 927	LOC116406468	116406468	pseudogene	
## 928	LOC108645376	108645376	lncRNA	XR_004221178.1
## 929	LOC108645376	108645376	lncRNA	XR_004221179.1
## 930	LOC108645376	108645376	lncRNA	XR_004221180.1
## 931	LOC116408997	116408997	pseudogene	
## 932	LOC116409017	116409017	pseudogene	
## 933	LOC116409046	116409046	rRNA	XR_004221503.1
## 934	LOC116408986	116408986	rRNA	XR_004221489.1
## 935	LOC116408980	116408980	rRNA	XR_004221483.1
## 936	LOC116409051	116409051	rRNA	XR_004221505.1
## 937	LOC116408975	116408975	rRNA	XR_004221478.1
## 938	LOC116408971	116408971	rRNA	XR_004221474.1
## 939	LOC116408981	116408981	rRNA	XR_004221484.1
## 940	LOC116409206	116409206	rRNA	XR_004221651.1
## 941	LOC116408995	116408995	rRNA	XR_004221498.1
## 942	LOC116408969	116408969	rRNA	XR_004221472.1
## 943	LOC116409117	116409117	rRNA	XR_004221563.1
## 944	LOC116409139	116409139	rRNA	XR_004221584.1
## 945	LOC100335111	100335111	rRNA	NR_033270.1
## 946	LOC116409360	116409360	rRNA	XR_004221801.1
## 947	LOC116409012	116409012	pseudogene	
## 948	LOC116408955	116408955	rRNA	XR_004221458.1
## 949	LOC116409317	116409317	rRNA	XR_004221762.1
## 950	LOC116408950	116408950	rRNA	XR_004221453.1
## 951	LOC116409306	116409306	rRNA	XR_004221751.1
## 952	LOC116408977	116408977	rRNA	XR_004221480.1
## 953	LOC116408964	116408964	rRNA	XR_004221467.1
## 954	LOC116408949	116408949	rRNA	XR_004221452.1
## 955	LOC116408993	116408993	rRNA	XR_004221496.1
## 956	LOC116408965	116408965	rRNA	XR_004221468.1
## 957	LOC116409262	116409262	rRNA	XR_004221707.1
## 958	LOC116409041	116409041	pseudogene	
## 959	LOC116409062	116409062	rRNA	XR_004221508.1
## 960	LOC116409033	116409033	pseudogene	
## 961	LOC116408987	116408987	rRNA	XR_004221490.1

## 962	LOC116408959	116408959	rRNA	XR_004221462.1
## 963	LOC116408901	116408901	pseudogene	
## 964	LOC101732078	101732078	lncRNA	XR_004221181.1
## 965	LOC116408733	116408733	protein-coding	XR_004221182.1
## 966	LOC116409295	116409295	rRNA	XR_004221740.1
## 967	LOC116409402	116409402	rRNA	XR_004221843.1
## 968	LOC116408954	116408954	rRNA	XR_004221457.1
## 969	LOC100491355	100491355	pseudogene	
## 970	post11	100490685	pseudogene	
## 971	LOC116408734	116408734	lncRNA	XR_004221183.1
## 972	LOC116408734	116408734	lncRNA	XR_004221184.1
## 973	LOC116408734	116408734	lncRNA	XR_004221185.1
## 974	LOC116408734	116408734	lncRNA	XR_004221186.1
## 975	LOC116408734	116408734	lncRNA	XR_004221187.1
## 976	LOC116408659	116408659	lncRNA	XR_004221126.1
## 977	LOC116408736	116408736	lncRNA	XR_004221188.1
## 978	LOC105945835	105945835	lncRNA	XR_001169384.3
## 979	polq	733897	protein-coding	XR_001169880.3
## 980	LOC116409400	116409400	snRNA	XR_004221841.1
## 981	LOC108645742	108645742	lncRNA	XR_001923977.2
## 982	LOC116409057	116409057	pseudogene	
## 983	mpz11	100490085	protein-coding	XR_004221189.1
## 984	trnap-agg	108645880	tRNA	
## 985	trnap-agg	108645879	tRNA	
## 986	trnap-cgg	108645876	tRNA	
## 987	LOC116408738	116408738	lncRNA	XR_004221190.1
## 988	LOC105948416	105948416	lncRNA	XR_001171836.2
## 989	LOC105948531	105948531	lncRNA	XR_001171955.3
## 990	LOC105948531	105948531	lncRNA	XR_001171958.3
## 991	LOC116409381	116409381	snoRNA	XR_004221822.1
## 992	LOC116409378	116409378	snoRNA	XR_004221819.1
## 993	LOC116409380	116409380	snoRNA	XR_004221821.1
## 994	LOC116409379	116409379	snoRNA	XR_004221820.1
## 995	trnai-aau	108645922	tRNA	
## 996	trnad-guc	108645982	tRNA	
## 997	LOC116408740	116408740	lncRNA	XR_004221191.1
## 998	LOC116408741	116408741	lncRNA	XR_004221192.1
## 999	LOC116408744	116408744	lncRNA	XR_004221196.1
## 1000	LOC116408743	116408743	lncRNA	XR_004221193.1
## 1001	LOC116408743	116408743	lncRNA	XR_004221194.1
## 1002	LOC116408743	116408743	lncRNA	XR_004221195.1
## 1003	LOC116408746	116408746	lncRNA	XR_004221197.1
## 1004	LOC116408746	116408746	lncRNA	XR_004221198.1
## 1005	ripk4	733737	protein-coding	XR_004221199.1
## 1006	LOC100494624	100494624	pseudogene	
## 1007	LOC108645746	108645746	lncRNA	XR_001923984.2
## 1008	LOC116408660	116408660	lncRNA	XR_004221127.1
## 1009	LOC116408749	116408749	lncRNA	XR_004221200.1
## 1010	LOC116408750	116408750	lncRNA	XR_004221201.1
## 1011	trnad-guc	108645987	tRNA	
## 1012	trnav-aac	108646098	tRNA	
## 1013	trnai-aau	108646142	tRNA	
## 1014	trnad-guc	108645544	tRNA	
## 1015	trnai-aau	108645609	tRNA	

## 1016	trnad-guc	108645610	tRNA	
## 1017	LOC108645747	108645747	lncRNA	XR_004221202.1
## 1018	LOC108645748	108645748	lncRNA	XR_001923986.2
## 1019	LOC116409373	116409373	other	XR_004221814.1
## 1020	hlcs	100492512	protein-coding	XR_004221203.1
## 1021	hlcs	100492512	protein-coding	XR_004221204.1
## 1022	LOC108645749	108645749	pseudogene	
## 1023	dop1b	100125059	protein-coding	XR_004221205.1
## 1024	setd4	549859	protein-coding	XR_001923973.2
## 1025	ifngr2.2	100485298	protein-coding	XR_208365.4
## 1026	LOC116408753	116408753	lncRNA	XR_004221206.1
## 1027	LOC116408754	116408754	lncRNA	XR_004221207.1
## 1028	LOC105946610	105946610	lncRNA	XR_004221208.1
## 1029	LOC116408661	116408661	lncRNA	XR_004221128.1
## 1030	LOC116408662	116408662	lncRNA	XR_004221129.1
## 1031	mir155	100886808	miRNA	NR_049592.1
## 1032	LOC116408663	116408663	lncRNA	XR_004221130.1
## 1033	LOC116408664	116408664	lncRNA	XR_004221131.1
## 1034	LOC116408755	116408755	lncRNA	XR_004221209.1
## 1035	LOC116408756	116408756	lncRNA	XR_004221210.1
## 1036	LOC116408665	116408665	lncRNA	XR_004221132.1
## 1037	LOC116408757	116408757	protein-coding	XR_004221211.1
## 1038	LOC116408666	116408666	lncRNA	XR_004221133.1
## 1039	LOC116408762	116408762	pseudogene	
## 1040	LOC116409327	116409327	pseudogene	
## 1041	LOC105946601	105946601	lncRNA	XR_001170057.3
## 1042	LOC116408667	116408667	lncRNA	XR_004221134.1
## 1043	LOC116408765	116408765	lncRNA	XR_004221212.1
## 1044	LOC116408765	116408765	lncRNA	XR_004221213.1
## 1045	LOC116408765	116408765	lncRNA	XR_004221214.1
## 1046	mir99	100886794	miRNA	NR_049565.1
## 1047	mirlet7c	100886828	miRNA	NR_049630.1
## 1048	mir125b-2	100886904	miRNA	NR_049570.1
## 1049	LOC116408668	116408668	lncRNA	XR_004221135.1
## 1050	LOC116408669	116408669	lncRNA	XR_004221136.1
## 1051	LOC116408767	116408767	lncRNA	XR_004221215.1
## 1052	LOC116408768	116408768	lncRNA	XR_004221216.1
## 1053	LOC116408670	116408670	lncRNA	XR_004221137.1
## 1054	LOC116408770	116408770	lncRNA	XR_004221217.1
## 1055	LOC101731797	101731797	lncRNA	XR_208387.4
## 1056	LOC105946638	105946638	lncRNA	XR_004221218.1
## 1057	LOC116408771	116408771	lncRNA	XR_004221219.1
## 1058	LOC108645761	108645761	lncRNA	XR_004221138.1
## 1059	LOC116408671	116408671	lncRNA	XR_004221139.1
## 1060	LOC116408672	116408672	lncRNA	XR_004221140.1
## 1061	LOC116408775	116408775	lncRNA	XR_004221225.1
## 1062	LOC116408773	116408773	lncRNA	XR_004221221.1
## 1063	LOC116408773	116408773	lncRNA	XR_004221222.1
## 1064	LOC116408774	116408774	lncRNA	XR_004221223.1
## 1065	LOC116408774	116408774	lncRNA	XR_004221224.1
## 1066	LOC116408772	116408772	lncRNA	XR_004221220.1
## 1067	LOC116408776	116408776	lncRNA	XR_004221226.1
## 1068	LOC116408776	116408776	lncRNA	XR_004221227.1
## 1069	LOC108644504	108644504	protein-coding	XR_004221233.1

##	1070	LOC116408781	116408781	lncRNA	XR_004221235.1
##	1071	LOC101731231	101731231	lncRNA	XR_208385.4
##	1072	LOC116408786	116408786	lncRNA	XR_004221243.1
##	1073	LOC116408782	116408782	lncRNA	XR_004221236.1
##	1074	LOC105946631	105946631	lncRNA	XR_004221241.1
##	1075	LOC108645759	108645759	lncRNA	XR_004221240.1
##	1076	LOC116408787	116408787	lncRNA	XR_004221244.1
##	1077	LOC116408788	116408788	lncRNA	XR_004221245.1
##	1078	LOC116408783	116408783	lncRNA	XR_004221237.1
##	1079	LOC116408783	116408783	lncRNA	XR_004221238.1
##	1080	LOC116408785	116408785	lncRNA	XR_004221242.1
##	1081	LOC108645758	108645758	lncRNA	XR_001923999.2
##	1082	LOC116406513	116406513	transcribed_pseudogene	XR_004221073.1
##	1083	LOC116408784	116408784	lncRNA	XR_004221239.1
##	1084	LOC116406484	116406484	protein-coding	XR_004221228.1
##	1085	LOC116406484	116406484	protein-coding	XR_004221229.1
##	1086	LOC116406484	116406484	protein-coding	XR_004221230.1
##	1087	LOC116406484	116406484	protein-coding	XR_004221231.1
##	1088	LOC105946508	105946508	lncRNA	XR_004221234.1
##	1089	LOC116408777	116408777	protein-coding	XR_004221232.1
##	1090	LOC116408789	116408789	lncRNA	XR_004221246.1
##	1091	ap1s2	733931	protein-coding	XR_001169881.3
##	1092	ap1s2	733931	protein-coding	XR_001169882.3
##	1093	ap1s2	733931	protein-coding	XR_001169883.3
##	1094	ap1s2	733931	protein-coding	XR_004221068.1
##	1095	ap1s2	733931	protein-coding	XR_004221069.1
##	1096	ap1s2	733931	protein-coding	XR_004221070.1
##	1097	ap1s2	733931	protein-coding	XR_004221071.1
##	1098	LOC116408673	116408673	lncRNA	XR_004221141.1
##	1099	LOC116408791	116408791	lncRNA	XR_004221247.1
##	1100	LOC116408793	116408793	lncRNA	XR_004221248.1
##	1101	LOC108644469	108644469	lncRNA	XR_001169941.3
##	1102	LOC108644469	108644469	lncRNA	XR_001924004.2
##	1103	gosr1	548699	protein-coding	XR_004221064.1
##	1104	LOC100492388	100492388	pseudogene	
##	1105	LOC116408675	116408675	lncRNA	XR_004221142.1
##	1106	LOC116408794	116408794	lncRNA	XR_004221249.1
##	1107	LOC101731796	101731796	lncRNA	XR_001923995.2
##	1108	LOC108645838	108645838	pseudogene	
##	1109	flot2	496443	protein-coding	XR_001923960.2
##	1110	flot2	496443	protein-coding	XR_001923962.2
##	1111	LOC116408795	116408795	lncRNA	XR_004221250.1
##	1112	mir144	100886949	miRNA	NR_049682.1
##	1113	mir451	100886869	miRNA	NR_049702.1
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##	1115	tsr1	100145784	misc_RNA	XR_001169910.3
##	1116	tsr1	100145784	misc_RNA	XR_001169911.2
##	1117	LOC116408796	116408796	lncRNA	XR_004221252.1
##	1118	mir212	100886865	miRNA	NR_049696.1
##	1119	mir132	100886801	miRNA	NR_049578.1
##	1120	mir2184	100886877	miRNA	NR_049712.1
##	1121	LOC105946500	105946500	lncRNA	XR_004221253.1
##	1122	LOC105946500	105946500	lncRNA	XR_004221254.1
##	1123	LOC105946500	105946500	lncRNA	XR_004221255.1

## 1124 LOC105946500 105946500	lncRNA	XR_004221256.1
## 1125 LOC116408676 116408676	lncRNA	XR_004221143.1
## 1126 LOC116409060 116409060	snoRNA	XR_004221506.1
## 1127 LOC116409110 116409110	snoRNA	XR_004221556.1
## 1128 LOC116409065 116409065	snoRNA	XR_004221511.1
## 1129 LOC116409112 116409112	snoRNA	XR_004221558.1
## 1130 LOC116409066 116409066	snoRNA	XR_004221512.1
## 1131 LOC116409113 116409113	snoRNA	XR_004221559.1
## 1132 LOC116409067 116409067	snoRNA	XR_004221513.1
## 1133 LOC116409114 116409114	snoRNA	XR_004221560.1
## 1134 LOC116409068 116409068	snoRNA	XR_004221514.1
## 1135 LOC116409069 116409069	snoRNA	XR_004221515.1
## 1136 LOC116409070 116409070	snoRNA	XR_004221516.1
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## 1138 LOC116409072 116409072	snoRNA	XR_004221518.1
## 1139 LOC116409074 116409074	snoRNA	XR_004221520.1
## 1140 LOC116409075 116409075	snoRNA	XR_004221521.1
## 1141 LOC116409076 116409076	snoRNA	XR_004221522.1
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## 1144 LOC116409079 116409079	snoRNA	XR_004221525.1
## 1145 LOC116409080 116409080	snoRNA	XR_004221526.1
## 1146 LOC116409081 116409081	snoRNA	XR_004221527.1
## 1147 LOC116409082 116409082	snoRNA	XR_004221528.1
## 1148 LOC116409083 116409083	snoRNA	XR_004221529.1
## 1149 LOC116409085 116409085	snoRNA	XR_004221531.1
## 1150 LOC116409086 116409086	snoRNA	XR_004221532.1
## 1151 LOC116409087 116409087	snoRNA	XR_004221533.1
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## 1155 LOC116409091 116409091	snoRNA	XR_004221537.1
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## 1160 LOC116409097 116409097	snoRNA	XR_004221543.1
## 1161 LOC116409098 116409098	snoRNA	XR_004221544.1
## 1162 LOC116409099 116409099	snoRNA	XR_004221545.1
## 1163 LOC116409100 116409100	snoRNA	XR_004221546.1
## 1164 LOC116409105 116409105	snoRNA	XR_004221551.1
## 1165 LOC116409101 116409101	snoRNA	XR_004221547.1
## 1166 LOC116409103 116409103	snoRNA	XR_004221549.1
## 1167 LOC116409104 116409104	snoRNA	XR_004221550.1
## 1168 LOC116409115 116409115	snoRNA	XR_004221561.1
## 1169 LOC116409119 116409119	snoRNA	XR_004221565.1
## 1170 LOC116409102 116409102	snoRNA	XR_004221548.1
## 1171 LOC116409116 116409116	snoRNA	XR_004221562.1
## 1172 LOC116409111 116409111	snoRNA	XR_004221557.1
## 1173 LOC116409118 116409118	snoRNA	XR_004221564.1
## 1174 LOC116409107 116409107	snoRNA	XR_004221553.1
## 1175 LOC116409063 116409063	snoRNA	XR_004221509.1
## 1176 LOC116409061 116409061	snoRNA	XR_004221507.1
## 1177 LOC116409109 116409109	snoRNA	XR_004221555.1

## 1178	LOC116409108	116409108	snoRNA	XR_004221554.1
## 1179	LOC116409120	116409120	pseudogene	
## 1180	LOC116409064	116409064	snoRNA	XR_004221510.1
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## 1182	stx1a	779637	protein-coding	XR_001169884.3
## 1183	stx1a	779637	protein-coding	XR_001169885.3
## 1184	card18	100489843	lncRNA	XR_001924009.2
## 1185	card18	100489843	lncRNA	XR_001924010.2
## 1186	card18	100489843	lncRNA	XR_001924011.2
## 1187	LOC116408800	116408800	lncRNA	XR_004221257.1
## 1188	mir142-1	100886805	miRNA	NR_049586.1
## 1189	mir142-2	100886885	miRNA	NR_049587.1
## 1190	LOC116408801	116408801	lncRNA	XR_004221262.1
## 1191	LOC116408802	116408802	lncRNA	XR_004221263.1
## 1192	LOC116409350	116409350	pseudogene	
## 1193	trnav-uac	108645882	tRNA	
## 1194	LOC116408803	116408803	lncRNA	XR_004221264.1
## 1195	mir22	100886944	miRNA	NR_049656.1
## 1196	LOC105946505	105946505	lncRNA	XR_001169922.3
## 1197	LOC116408804	116408804	lncRNA	XR_004221265.1
## 1198	LOC116408805	116408805	lncRNA	XR_004221266.1
## 1199	LOC108645763	108645763	lncRNA	XR_001924013.2
## 1200	LOC108645762	108645762	lncRNA	XR_001924012.2
## 1201	LOC116409329	116409329	snRNA	XR_004221771.1
## 1202	LOC116409330	116409330	snRNA	XR_004221772.1
## 1203	LOC116409331	116409331	snRNA	XR_004221773.1
## 1204	LOC116409332	116409332	snRNA	XR_004221774.1
## 1205	LOC116409333	116409333	snRNA	XR_004221775.1
## 1206	LOC100335113	100335113	snRNA	NR_033272.1
## 1207	LOC116409334	116409334	snRNA	XR_004221776.1
## 1208	LOC116409335	116409335	snRNA	XR_004221777.1
## 1209	LOC116409336	116409336	snRNA	XR_004221778.1
## 1210	LOC116409337	116409337	snRNA	XR_004221779.1
## 1211	LOC116409339	116409339	snRNA	XR_004221781.1
## 1212	LOC116409340	116409340	snRNA	XR_004221782.1
## 1213	LOC116409341	116409341	snRNA	XR_004221783.1
## 1214	LOC116409342	116409342	snRNA	XR_004221784.1
## 1215	LOC116409343	116409343	snRNA	XR_004221785.1
## 1216	LOC116409344	116409344	snRNA	XR_004221786.1
## 1217	LOC116409345	116409345	snRNA	XR_004221787.1
## 1218	LOC116409346	116409346	snRNA	XR_004221788.1
## 1219	LOC116408677	116408677	lncRNA	XR_004221144.1
## 1220	LOC105946523	105946523	lncRNA	XR_001169958.3
## 1221	LOC100494383	100494383	protein-coding	XR_001169959.3
## 1222	LOC105946524	105946524	lncRNA	XR_001924019.2
## 1223	LOC116408806	116408806	lncRNA	XR_004221267.1
## 1224	LOC100490300	100490300	pseudogene	
## 1225	LOC105946529	105946529	lncRNA	XR_001169966.3
## 1226	LOC116408807	116408807	lncRNA	XR_004221268.1
## 1227	LOC108645765	108645765	lncRNA	XR_001171903.3
## 1228	LOC108645765	108645765	lncRNA	XR_001924021.2
## 1229	LOC108645766	108645766	lncRNA	XR_004221145.1
## 1230	LOC116408808	116408808	lncRNA	XR_004221269.1
## 1231	LOC105948483	105948483	lncRNA	XR_004221270.1

## 1232	LOC105948483	105948483	lncRNA	XR_004221271.1
## 1233	LOC116408810	116408810	lncRNA	XR_004221272.1
## 1234	LOC116408763	116408763	pseudogene	
## 1235	trnap-agg	108645893	tRNA	
## 1236	trnap-agg	108645904	tRNA	
## 1237	trnap-agg	108645915	tRNA	
## 1238	LOC116408812	116408812	lncRNA	XR_004221273.1
## 1239	LOC116408813	116408813	lncRNA	XR_004221274.1
## 1240	mir205a	100886951	miRNA	NR_049694.1
## 1241	LOC116408815	116408815	lncRNA	XR_004221275.1
## 1242	mir29b	100886789	miRNA	NR_049556.1
## 1243	mir29c	100886845	miRNA	NR_049662.1
## 1244	LOC105946317	105946317	pseudogene	
## 1245	LOC116408679	116408679	lncRNA	XR_004221146.1
## 1246	LOC116408680	116408680	lncRNA	XR_004221147.1
## 1247	trnaw-cca	108645996	tRNA	
## 1248	trnaw-cca	108645997	tRNA	
## 1249	trnaw-cca	108645998	tRNA	
## 1250	trnaw-cca	108645999	tRNA	
## 1251	trnaw-cca	108646000	tRNA	
## 1252	trnaw-cca	108646001	tRNA	
## 1253	trnaw-cca	108646008	tRNA	
## 1254	trnaw-cca	108646009	tRNA	
## 1255	trnaw-cca	108646003	tRNA	
## 1256	trnaw-cca	108646005	tRNA	
## 1257	trnaw-cca	108646006	tRNA	
## 1258	trnaw-cca	108646007	tRNA	
## 1259	trnaw-cca	116409403	tRNA	
## 1260	trnaw-cca	108646013	tRNA	
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## 1262	trnaw-cca	116409404	tRNA	
## 1263	trnaw-cca	116409405	tRNA	
## 1264	trnaw-cca	108646117	tRNA	
## 1265	trnaw-cca	108646021	tRNA	
## 1266	trnaw-cca	108646022	tRNA	
## 1267	trnaw-cca	108646023	tRNA	
## 1268	trnaw-cca	108646020	tRNA	
## 1269	trnaw-cca	108646025	tRNA	
## 1270	trnaw-cca	108646027	tRNA	
## 1271	trnaw-cca	116409406	tRNA	
## 1272	trnaw-cca	116409407	tRNA	
## 1273	trnaw-cca	116409408	tRNA	
## 1274	trnaw-cca	116409409	tRNA	
## 1275	trnaw-cca	108646019	tRNA	
## 1276	trnaw-cca	108646018	tRNA	
## 1277	trnaw-cca	108646016	tRNA	
## 1278	trnaw-cca	116409410	tRNA	
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## 1280	trnaw-cca	116409412	tRNA	
## 1281	trnaw-cca	116409413	tRNA	
## 1282	trnaw-cca	108646024	tRNA	
## 1283	trnaw-cca	116409414	tRNA	
## 1284	trnaw-cca	116409415	tRNA	
## 1285	trnaw-cca	116409416	tRNA	

## 1286	trnaw-cca	108646017	tRNA	
## 1287	trnaw-cca	116409417	tRNA	
## 1288	trnaw-cca	116409418	tRNA	
## 1289	trnaw-cca	116409419	tRNA	
## 1290	trnaw-cca	108646114	tRNA	
## 1291	LOC101732226	101732226	protein-coding	XR_001171853.3
## 1292	LOC116408817	116408817	lncRNA	XR_004221276.1
## 1293	trim33	733764	protein-coding	NR_164678.1
## 1294	myog	549479	protein-coding	XR_004221066.1
## 1295	LOC116408819	116408819	lncRNA	XR_004221277.1
## 1296	LOC105948450	105948450	lncRNA	XR_004221278.1
## 1297	mir222	100886937	miRNA	NR_049618.1
## 1298	mir221	100886866	miRNA	NR_049697.1
## 1299	LOC108645779	108645779	lncRNA	XR_001924041.2
## 1300	LOC116408682	116408682	lncRNA	XR_004221148.1
## 1301	LOC116409348	116409348	snRNA	XR_004221790.1
## 1302	LOC116408683	116408683	lncRNA	XR_004221149.1
## 1303	wnt2b	100491761	protein-coding	XR_208200.4
## 1304	LOC116408822	116408822	lncRNA	XR_004221279.1
## 1305	mirlet7b	100886776	miRNA	NR_049531.1
## 1306	LOC116408684	116408684	lncRNA	XR_004221150.1
## 1307	LOC116408685	116408685	lncRNA	XR_004221151.1
## 1308	kif21b	779607	protein-coding	XR_001171871.3
## 1309	LOC116408823	116408823	lncRNA	XR_004221280.1
## 1310	LOC116408825	116408825	lncRNA	XR_004221282.1
## 1311	LOC116408827	116408827	lncRNA	XR_004221283.1
## 1312	LOC105945449	105945449	lncRNA	XR_001169017.3
## 1313	LOC116408828	116408828	lncRNA	XR_004221284.1
## 1314	LOC116408830	116408830	lncRNA	XR_004221285.1
## 1315	LOC105948383	105948383	lncRNA	XR_004221286.1
## 1316	LOC105948383	105948383	lncRNA	XR_004221287.1
## 1317	LOC116408831	116408831	lncRNA	XR_004221288.1
## 1318	LOC105948385	105948385	lncRNA	XR_001171784.3
## 1319	LOC108645776	108645776	lncRNA	XR_001924036.2
## 1320	LOC105948363	105948363	lncRNA	XR_001171782.3
## 1321	LOC116408832	116408832	lncRNA	XR_004221289.1
## 1322	LOC116408833	116408833	lncRNA	XR_004221290.1
## 1323	LOC548945	548945	protein-coding	XR_004221065.1
## 1324	LOC105948334	105948334	lncRNA	XR_001171768.3
## 1325	cyb561d1	101734093	protein-coding	XR_004221291.1
## 1326	LOC116408834	116408834	lncRNA	XR_004221292.1
## 1327	LOC116408835	116408835	lncRNA	XR_004221293.1
## 1328	klhdc8a	779770	protein-coding	XR_004221072.1
## 1329	trnaw-cca	108646072	tRNA	
## 1330	trnaw-cca	108646073	tRNA	
## 1331	LOC116408837	116408837	lncRNA	XR_004221294.1
## 1332	mir135-2	100886897	miRNA	NR_049677.1
## 1333	LOC116408838	116408838	lncRNA	XR_004221295.1
## 1334	LOC116408838	116408838	lncRNA	XR_004221296.1
## 1335	LOC116408838	116408838	lncRNA	XR_004221297.1
## 1336	LOC116408838	116408838	lncRNA	XR_004221298.1
## 1337	LOC116408839	116408839	lncRNA	XR_004221299.1
## 1338	LOC101732619	101732619	lncRNA	XR_208192.3
## 1339	LOC116408686	116408686	lncRNA	XR_004221152.1

## 1340	LOC116408840	116408840	lncRNA	XR_004221300.1
## 1341	rassf5	100487574	protein-coding	XR_208191.3
## 1342	trnag-gcc	116409420	tRNA	
## 1343	trnak-cuu	108646123	tRNA	
## 1344	trnag-gcc	116409421	tRNA	
## 1345	trnag-gcc	108646074	tRNA	
## 1346	trnak-cuu	108646124	tRNA	
## 1347	trnag-gcc	108646075	tRNA	
## 1348	trnag-gcc	108646076	tRNA	
## 1349	trnak-cuu	108646125	tRNA	
## 1350	trnag-gcc	108646110	tRNA	
## 1351	trnag-gcc	116409422	tRNA	
## 1352	trnak-cuu	108646144	tRNA	
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## 1367	trnak-cuu	108646132	tRNA	
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## 1369	trnag-gcc	108646087	tRNA	
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## 1385	trnag-gcc	108646100	tRNA	
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## 1387	trnak-cuu	116409435	tRNA	
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## 1393	trnak-cuu	108645937	tRNA	

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##	1396	trnak-cuu	108645948	tRNA	
##	1397	trnag-gcc	108646033	tRNA	
##	1398	trnag-gcc	108646034	tRNA	
##	1399	trnak-cuu	108645959	tRNA	
##	1400	trnag-gcc	108646035	tRNA	
##	1401	trnag-gcc	108646036	tRNA	
##	1402	trnak-cuu	108646127	tRNA	
##	1403	trnag-gcc	108646038	tRNA	
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##	1405	trnak-cuu	108645970	tRNA	
##	1406	trnag-gcc	108646040	tRNA	
##	1407	trnag-gcc	108646060	tRNA	
##	1408	trnak-cuu	108645981	tRNA	
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##	1411	trnak-cuu	108645993	tRNA	
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##	1437	trnak-cuu	108646139	tRNA	
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##	1439	trnak-cuu	108646140	tRNA	
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##	1442	trnak-cuu	108646104	tRNA	
##	1443	trnag-gcc	108646108	tRNA	
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##	1445	trnak-uuu	108646115	tRNA	
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##	1448	LOC116408687	116408687	lncRNA	XR_004221153.1
##	1449	LOC100496400	100496400	lncRNA	XR_208285.4
##	1450	LOC116408690	116408690	lncRNA	XR_004221154.1
##	1451	LOC116408691	116408691	lncRNA	XR_004221155.1
##	1452	LOC100493216	100493216	lncRNA	XR_208278.2
##	1453	LOC105946735	105946735	lncRNA	XR_001170154.3
##	1454	LOC105946735	105946735	lncRNA	XR_004221302.1
##	1455	ahdc1	100496895	protein-coding	XR_004221303.1
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##	1458	LOC116409058	116409058	pseudogene	
##	1459	LOC116409396	116409396	snRNA	XR_004221837.1
##	1460	LOC116408845	116408845	lncRNA	XR_004221306.1
##	1461	LOC101733718	101733718	protein-coding	XR_001169890.3
##	1462	LOC116409397	116409397	other	XR_004221838.1
##	1463	LOC116409055	116409055	pseudogene	
##	1464	LOC116409325	116409325	pseudogene	
##	1465	LOC116408846	116408846	lncRNA	XR_004221307.1
##	1466	LOC116408847	116408847	lncRNA	XR_004221308.1
##	1467	LOC116408847	116408847	lncRNA	XR_004221309.1
##	1468	LOC116408847	116408847	lncRNA	XR_004221310.1
##	1469	mir133d	100886802	miRNA	NR_049580.1
##	1470	mir1b	100886940	miRNA	NR_049634.1
##	1471	sfpq	100158518	protein-coding	XR_001169868.2
##	1472	sfpq	100158518	protein-coding	XR_004221056.1
##	1473	LOC116408692	116408692	lncRNA	XR_004221156.1
##	1474	LOC116408848	116408848	lncRNA	XR_004221311.1
##	1475	LOC116408849	116408849	lncRNA	XR_004221312.1
##	1476	LOC100495928	100495928	protein-coding	XR_004221313.1
##	1477	LOC100495928	100495928	protein-coding	XR_004221314.1
##	1478	LOC100495928	100495928	protein-coding	XR_004221315.1
##	1479	LOC100495928	100495928	protein-coding	XR_004221316.1
##	1480	LOC116409357	116409357	snoRNA	XR_004221798.1
##	1481	LOC116409365	116409365	snoRNA	XR_004221806.1
##	1482	LOC116409363	116409363	snoRNA	XR_004221804.1
##	1483	LOC116409364	116409364	snoRNA	XR_004221805.1
##	1484	LOC116409359	116409359	snoRNA	XR_004221800.1
##	1485	LOC116409361	116409361	snoRNA	XR_004221802.1
##	1486	LOC116409362	116409362	snoRNA	XR_004221803.1
##	1487	LOC116409358	116409358	snoRNA	XR_004221799.1
##	1488	LOC116408693	116408693	lncRNA	XR_004221157.1
##	1489	LOC116408850	116408850	lncRNA	XR_004221317.1
##	1490	LOC116408851	116408851	lncRNA	XR_004221318.1
##	1491	LOC116408851	116408851	lncRNA	XR_004221319.1
##	1492	bsdc1	595022	protein-coding	XR_001923975.2
##	1493	mir30e	100886847	miRNA	NR_049664.1
##	1494	mir30c-1	100886791	miRNA	NR_049559.1
##	1495	LOC116408694	116408694	lncRNA	XR_004221158.1
##	1496	LOC116408852	116408852	lncRNA	XR_004221320.1
##	1497	LOC105946488	105946488	lncRNA	XR_004221321.1
##	1498	LOC105946489	105946489	lncRNA	XR_004221322.1
##	1499	LOC105946490	105946490	lncRNA	XR_004221323.1
##	1500	LOC108645861	108645861	lncRNA	XR_001924147.2
##	1501	trnad-guc	108646146	tRNA	

## 1502	LOC105946707	105946707	lncRNA	XR_001170125.3
## 1503	LOC116408853	116408853	lncRNA	XR_004221324.1
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## 1505	pabpc4	548470	protein-coding	NR_164658.1
## 1506	pabpc4	548470	protein-coding	XR_004221062.1
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## 1508	LOC116409392	116409392	snoRNA	XR_004221833.1
## 1509	LOC116409391	116409391	snoRNA	XR_004221832.1
## 1510	LOC116409367	116409367	snoRNA	XR_004221808.1
## 1511	LOC116409368	116409368	snoRNA	XR_004221809.1
## 1512	LOC116409355	116409355	snoRNA	XR_004221796.1
## 1513	LOC116409356	116409356	snoRNA	XR_004221797.1
## 1514	LOC116408854	116408854	lncRNA	XR_004221325.1
## 1515	LOC100490302	100490302	protein-coding	XR_001169899.3
## 1516	LOC101731276	101731276	lncRNA	XR_208288.4
## 1517	LOC101731542	101731542	lncRNA	XR_208289.4
## 1518	LOC116409374	116409374	snoRNA	XR_004221815.1
## 1519	LOC108645863	108645863	lncRNA	XR_001924149.2
## 1520	LOC116408855	116408855	lncRNA	XR_004221326.1
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## 1523	ska2	100496738	protein-coding	XR_001169932.3
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## 1528	mir301-1	100886823	miRNA	NR_049620.1
## 1529	LOC116408856	116408856	lncRNA	XR_004221327.1
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## 1532	LOC116409277	116409277	snRNA	XR_004221722.1
## 1533	LOC116409265	116409265	snRNA	XR_004221710.1
## 1534	LOC116409216	116409216	snRNA	XR_004221661.1
## 1535	LOC116409218	116409218	snRNA	XR_004221663.1
## 1536	LOC116409219	116409219	snRNA	XR_004221664.1
## 1537	LOC116409290	116409290	snRNA	XR_004221735.1
## 1538	LOC116409124	116409124	snRNA	XR_004221569.1
## 1539	LOC116409125	116409125	snRNA	XR_004221570.1
## 1540	LOC116409126	116409126	snRNA	XR_004221571.1
## 1541	LOC116409282	116409282	snRNA	XR_004221727.1
## 1542	LOC116409127	116409127	snRNA	XR_004221572.1
## 1543	LOC116409129	116409129	snRNA	XR_004221574.1
## 1544	LOC116409267	116409267	snRNA	XR_004221712.1
## 1545	LOC116409130	116409130	snRNA	XR_004221575.1
## 1546	LOC116409285	116409285	snRNA	XR_004221730.1
## 1547	LOC116409278	116409278	snRNA	XR_004221723.1
## 1548	LOC116409131	116409131	snRNA	XR_004221576.1
## 1549	LOC116409288	116409288	snRNA	XR_004221733.1
## 1550	LOC116409132	116409132	snRNA	XR_004221577.1
## 1551	LOC116409281	116409281	snRNA	XR_004221726.1
## 1552	LOC116409268	116409268	snRNA	XR_004221713.1
## 1553	LOC116409133	116409133	snRNA	XR_004221578.1
## 1554	LOC116409134	116409134	snRNA	XR_004221579.1
## 1555	LOC116409135	116409135	snRNA	XR_004221580.1

## 1556 LOC116409220	116409220	snRNA	XR_004221665.1
## 1557 LOC116409136	116409136	snRNA	XR_004221581.1
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## 1611	LOC116409185	116409185	snRNA	XR_004221630.1
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## 1613	LOC116409187	116409187	snRNA	XR_004221632.1
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## 1630	LOC116409314	116409314	snRNA	XR_004221759.1
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## 1641	LOC116409202	116409202	snRNA	XR_004221647.1
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## 1714 LOC116409312	116409312	snRNA	XR_004221757.1
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## 1722 LOC116409384	116409384	snoRNA	XR_004221825.1
## 1723 LOC116409382	116409382	snoRNA	XR_004221823.1
## 1724 LOC100486074	100486074	lncRNA	XR_001169944.3
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## 1735 LOC116409376	116409376	snoRNA	XR_004221817.1
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## 1741	trnac-gca 108646119	tRNA	
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## 1743 LOC116408862	116408862	lncRNA	XR_004221342.1
## 1744 LOC116408863	116408863	lncRNA	XR_004221343.1
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## 1746 LOC101732801	101732801	lncRNA	XR_001169968.3
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## 1748 LOC116408697	116408697	lncRNA	XR_004221159.1
## 1749 LOC108645799	108645799	lncRNA	XR_001924080.2
## 1750 LOC105946715	105946715	lncRNA	XR_004221345.1
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## 1762 LOC116408699	116408699	lncRNA	XR_004221161.1
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## 1764 LOC116408700	116408700	lncRNA	XR_004221163.1
## 1765 LOC105946572	105946572	lncRNA	XR_001924089.2
## 1766	tpp2 100101674	protein-coding	XR_004221351.1
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## 1771	mir92a-1 100886850	miRNA	NR_049670.1

## 1772	mir19b-2	100886924	miRNA	NR_049549.1
## 1773	mir20a	100886842	miRNA	NR_049655.1
## 1774	mir19a	100886785	miRNA	NR_049548.1
## 1775	mir18a	100886832	miRNA	NR_049637.1
## 1776	mir17	100886784	miRNA	NR_049547.1
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## 1781	LOC105946542	105946542	lncRNA	XR_004221355.1
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## 1791	LOC116409347	116409347	snRNA	XR_004221789.1
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## 1797	LOC116409375	116409375	snoRNA	XR_004221816.1
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## 1805	LOC100493542	100493542	lncRNA	XR_208332.4
## 1806	LOC105946554	105946554	lncRNA	XR_001169996.3
## 1807	LOC116409371	116409371	snoRNA	XR_004221812.1
## 1808	LOC116409370	116409370	snoRNA	XR_004221811.1
## 1809	LOC116409369	116409369	snoRNA	XR_004221810.1
## 1810	LOC116408882	116408882	lncRNA	XR_004221367.1
## 1811	LOC100493721	100493721	lncRNA	XR_209194.4
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## 1813	LOC105946557	105946557	lncRNA	XR_004221368.1
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## 1817	mir26-1	100886957	miRNA	NR_049551.1
## 1818	LOC105946562	105946562	lncRNA	XR_004221170.1
## 1819	LOC116408706	116408706	lncRNA	XR_004221171.1
## 1820	LOC116408885	116408885	lncRNA	XR_004221370.1
## 1821	LOC100488500	100488500	pseudogene	
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## 1824	hnrnpa1	496507	protein-coding	XR_001169872.3
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## 1828	hnrnpa1	496507	protein-coding	XR_004221059.1
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## 1830	mir10c	100886782	miRNA	NR_049542.1
## 1831	LOC105946563	105946563	lncRNA	XR_004221372.1
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## 1833	mir196a	100886858	miRNA	NR_049686.1
## 1834	LOC105946564	105946564	lncRNA	XR_001170013.3
## 1835	LOC116408886	116408886	lncRNA	XR_004221373.1
## 1836	LOC105946565	105946565	protein-coding	XR_004221375.1
## 1837	LOC116408888	116408888	lncRNA	XR_004221376.1
## 1838	LOC116408889	116408889	lncRNA	XR_004221377.1
## 1839	LOC100488892	100488892	lncRNA	XR_001170016.3
## 1840	LOC100488892	100488892	lncRNA	XR_004221378.1
## 1841	LOC100488892	100488892	lncRNA	XR_004221379.1
## 1842	LOC116408891	116408891	lncRNA	XR_004221380.1
## 1843	mir16a	100886783	miRNA	NR_049546.1
## 1844	mir15a	100886901	miRNA	NR_049543.1
## 1845	LOC108645818	108645818	lncRNA	XR_001924112.2
## 1846	LOC116408711	116408711	lncRNA	XR_004221172.1
## 1847	LOC116409049	116409049	pseudogene	
## 1848	LOC116408713	116408713	lncRNA	XR_004221173.1
## 1849	sertm1	105946587	protein-coding	XR_004221381.1
## 1850	LOC116408893	116408893	lncRNA	XR_004221382.1
## 1851	LOC100496274	100496274	lncRNA	XR_208343.4
## 1852	LOC116408894	116408894	lncRNA	XR_004221383.1
## 1853	LOC116409054	116409054	pseudogene	
## 1854	LOC105946588	105946588	lncRNA	XR_004221384.1
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## 1856	LOC105946588	105946588	lncRNA	XR_004221386.1
## 1857	trnae-uuc	108646147	tRNA	
## 1858	trnan-guu	108645877	tRNA	
## 1859	trnav-aac	108645878	tRNA	
## 1860	LOC116409393	116409393	snoRNA	XR_004221834.1
## 1861	LOC105946590	105946590	lncRNA	XR_001170045.3
## 1862	LOC116408895	116408895	lncRNA	XR_004221387.1
## 1863	LOC101731007	101731007	lncRNA	XR_004221388.1
## 1864	LOC105946592	105946592	lncRNA	XR_001170047.3
## 1865	LOC116408896	116408896	lncRNA	XR_004221390.1
## 1866	LOC101731949	101731949	lncRNA	XR_004221389.1
## 1867	LOC108644793	108644793	protein-coding	XR_001923329.2
## 1868	LOC108644793	108644793	protein-coding	XR_001923330.2
## 1869	LOC108644793	108644793	protein-coding	XR_001923331.2
## 1870	LOC108644793	108644793	protein-coding	XR_004221391.1
## 1871	LOC108644793	108644793	protein-coding	XR_004221392.1
## 1872	LOC101730439	101730439	protein-coding	XR_004221393.1
## 1873	lats2	100124721	protein-coding	XR_004221052.1
## 1874	LOC108645819	108645819	lncRNA	XR_001924116.2
## 1875	LOC108645819	108645819	lncRNA	XR_004221394.1
## 1876	LOC108645819	108645819	lncRNA	XR_004221395.1
## 1877	LOC108645819	108645819	lncRNA	XR_004221396.1
## 1878	parp4	100491674	protein-coding	XR_004221397.1
## 1879	pspc1	100489975	protein-coding	XR_208351.4

## 1880	pspc1	100489975	protein-coding	XR_004221398.1
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## 1882	L0C116408715	116408715	lncRNA	XR_004221174.1
## 1883	L0C116409050	116409050	pseudogene	
## 1884	L0C101734720	101734720	pseudogene	
## 1885	L0C116408902	116408902	lncRNA	XR_004221400.1
## 1886	L0C108645871	108645871	lncRNA	XR_001924157.2
## 1887	L0C116409052	116409052	pseudogene	
## 1888	L0C116408907	116408907	lncRNA	XR_004221413.1
## 1889	L0C108645827	108645827	lncRNA	XR_004221401.1
## 1890	L0C108645827	108645827	lncRNA	XR_004221402.1
## 1891	L0C108645827	108645827	lncRNA	XR_004221403.1
## 1892	L0C108645827	108645827	lncRNA	XR_004221404.1
## 1893	L0C108645827	108645827	lncRNA	XR_004221405.1
## 1894	L0C108645827	108645827	lncRNA	XR_004221406.1
## 1895	L0C108645827	108645827	lncRNA	XR_004221407.1
## 1896	L0C116408905	116408905	lncRNA	XR_004221410.1
## 1897	L0C116408908	116408908	lncRNA	XR_004221414.1
## 1898	L0C116408904	116408904	lncRNA	XR_004221408.1
## 1899	L0C101733021	101733021	lncRNA	XR_004221409.1
## 1900	L0C116408906	116408906	lncRNA	XR_004221412.1
## 1901	L0C101731548	101731548	lncRNA	XR_004221411.1
## 1902	L0C116408909	116408909	lncRNA	XR_004221415.1
## 1903	L0C116409395	116409395	snoRNA	XR_004221836.1
## 1904	crebzf	101730758	protein-coding	XR_001170075.3
## 1905	L0C116409351	116409351	snoRNA	XR_004221792.1
## 1906	L0C116409352	116409352	snoRNA	XR_004221793.1
## 1907	L0C116409353	116409353	snoRNA	XR_004221794.1
## 1908	L0C116409354	116409354	snoRNA	XR_004221795.1
## 1909	L0C116409056	116409056	pseudogene	
## 1910	trnap-agg	108646122	tRNA	
## 1911	L0C116408917	116408917	lncRNA	XR_004221416.1
## 1912	L0C116408716	116408716	lncRNA	XR_004221175.1
## 1913	L0C116408648	116408648	lncRNA	XR_004221109.1
## 1914	L0C116408647	116408647	lncRNA	XR_004221107.1
## 1915	L0C116408647	116408647	lncRNA	XR_004221108.1
## 1916	L0C116408644	116408644	lncRNA	XR_004221101.1
## 1917	L0C100485515	100485515	protein-coding	XR_004221077.1
## 1918	L0C100485515	100485515	protein-coding	XR_004221078.1
## 1919	L0C105946619	105946619	lncRNA	XR_004221102.1
## 1920	L0C105946618	105946618	lncRNA	XR_004221103.1
## 1921	L0C116408640	116408640	lncRNA	XR_004221091.1
## 1922	L0C116408640	116408640	lncRNA	XR_004221092.1
## 1923	L0C116408640	116408640	lncRNA	XR_004221093.1
## 1924	L0C116408640	116408640	lncRNA	XR_004221094.1
## 1925	L0C100491248	100491248	protein-coding	XR_004221075.1
## 1926	L0C100491248	100491248	protein-coding	XR_004221076.1
## 1927	L0C116408657	116408657	lncRNA	XR_004221124.1
## 1928	L0C116408642	116408642	lncRNA	XR_004221096.1
## 1929	L0C116408642	116408642	lncRNA	XR_004221097.1
## 1930	L0C105946617	105946617	lncRNA	XR_004221099.1
## 1931	L0C105946617	105946617	lncRNA	XR_004221100.1
## 1932	L0C116406442	116406442	pseudogene	
## 1933	L0C116409053	116409053	pseudogene	

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##	1937	LOC116408635	116408635	lncRNA	XR_004221083.1
##	1938	LOC116408645	116408645	lncRNA	XR_004221104.1
##	1939	LOC116408645	116408645	lncRNA	XR_004221105.1
##	1940	LOC116408643	116408643	lncRNA	XR_004221098.1
##	1941	LOC116408658	116408658	lncRNA	XR_004221125.1
##	1942	LOC116408637	116408637	lncRNA	XR_004221085.1
##	1943	LOC116408649	116408649	lncRNA	XR_004221110.1
##	1944	LOC116408649	116408649	lncRNA	XR_004221111.1
##	1945	LOC116408639	116408639	lncRNA	XR_004221089.1
##	1946	LOC116408639	116408639	lncRNA	XR_004221090.1
##	1947	LOC116408638	116408638	lncRNA	XR_004221087.1
##	1948	LOC116408638	116408638	lncRNA	XR_004221088.1
##	1949	LOC116408636	116408636	lncRNA	XR_004221084.1
##	1950	LOC116408653	116408653	lncRNA	XR_004221118.1
##	1951	LOC116408650	116408650	lncRNA	XR_004221112.1
##	1952	LOC116408650	116408650	lncRNA	XR_004221113.1
##	1953	LOC105946620	105946620	lncRNA	XR_004221086.1
##	1954	LOC116408646	116408646	lncRNA	XR_004221106.1
##	1955	LOC116408641	116408641	lncRNA	XR_004221095.1
##	1956	LOC116408656	116408656	lncRNA	XR_004221122.1
##	1957	LOC116408656	116408656	lncRNA	XR_004221123.1
##	1958	LOC105946622	105946622	lncRNA	XR_004221114.1
##	1959	LOC116408655	116408655	lncRNA	XR_004221121.1
##	1960	LOC101733677	101733677	protein-coding	XR_004221079.1
##	1961	LOC101734525	101734525	lncRNA	XR_004221119.1
##	1962	LOC116408652	116408652	lncRNA	XR_004221117.1
##	1963	LOC116408654	116408654	lncRNA	XR_004221120.1
##	1964	LOC116408651	116408651	lncRNA	XR_004221115.1
##	1965	LOC116408651	116408651	lncRNA	XR_004221116.1
##	1966	atg16l2	100485143	protein-coding	XR_209274.4
##	1967	LOC100487016	100487016	pseudogene	
##	1968	LOC116408717	116408717	lncRNA	XR_004221176.1
##	1969	LOC116408924	116408924	lncRNA	XR_004221437.1
##	1970	LOC101734567	101734567	lncRNA	XR_004221430.1
##	1971	LOC101734567	101734567	lncRNA	XR_004221431.1
##	1972	LOC101734358	101734358	lncRNA	XR_004221436.1
##	1973	LOC116408920	116408920	lncRNA	XR_004221417.1
##	1974	LOC116408920	116408920	lncRNA	XR_004221418.1
##	1975	LOC116408920	116408920	lncRNA	XR_004221419.1
##	1976	LOC116408921	116408921	lncRNA	XR_004221420.1
##	1977	LOC105946621	105946621	lncRNA	XR_004221432.1
##	1978	LOC105945784	105945784	lncRNA	XR_004221421.1
##	1979	LOC105945784	105945784	lncRNA	XR_004221422.1
##	1980	LOC116408922	116408922	lncRNA	XR_004221423.1
##	1981	LOC116408922	116408922	lncRNA	XR_004221424.1
##	1982	LOC116408922	116408922	lncRNA	XR_004221425.1
##	1983	LOC116408922	116408922	lncRNA	XR_004221426.1
##	1984	LOC116408922	116408922	lncRNA	XR_004221427.1
##	1985	LOC116408922	116408922	lncRNA	XR_004221428.1
##	1986	LOC116408922	116408922	lncRNA	XR_004221429.1
##	1987	LOC101731085	101731085	lncRNA	XR_209352.4

##	1988	mir139	100886804	miRNA	NR_049584.1
##	1989	L0C116408923	116408923	lncRNA	XR_004221433.1
##	1990	L0C116408923	116408923	lncRNA	XR_004221434.1
##	1991	L0C116408923	116408923	lncRNA	XR_004221435.1
##	1992	L0C101733363	101733363	lncRNA	XR_004221438.1
##	1993	L0C101733363	101733363	lncRNA	XR_004221439.1
##	1994	L0C116408925	116408925	lncRNA	XR_004221440.1
##	1995	L0C105945550	105945550	lncRNA	XR_001923433.2
##	1996	or52n4	100490566	misc_RNA	XR_004221441.1
##	1997	L0C116408721	116408721	lncRNA	XR_004221177.1
##	1998	L0C116408928	116408928	lncRNA	XR_004221442.1
##	1999	L0C116408929	116408929	lncRNA	XR_004221443.1
##	2000	L0C116408620	116408620	protein-coding	XM_031896260.1
##	2001	L0C116408621	116408621	protein-coding	XM_031896261.1
##	2002	L0C116408622	116408622	protein-coding	XM_031896262.1
##	2003	L0C116408623	116408623	protein-coding	XM_031896263.1
##	2004	L0C116408931	116408931	lncRNA	XR_004221444.1
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##	2006	L0C116408624	116408624	protein-coding	XM_031896265.1
##	2007	L0C116408625	116408625	protein-coding	XM_031896266.1
##	2008	L0C101734669	101734669	protein-coding	XM_031897412.1
##	2009	L0C101734669	101734669	protein-coding	XR_004221445.1
##	2010	L0C100490900	100490900	protein-coding	XM_012954500.3
##	2011	L0C116408626	116408626	protein-coding	XM_031896267.1
##	2012	L0C116408933	116408933	protein-coding	XM_031897414.1
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##	2015	L0C100490381	100490381	protein-coding	XM_018089738.2
##	2016	L0C116408628	116408628	protein-coding	XM_031896268.1
##	2017	L0C101734388	101734388	protein-coding	XM_018089741.2
##	2018	L0C100490214	100490214	protein-coding	XM_018089740.2
##	2019	L0C116408936	116408936	lncRNA	XR_004221446.1
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##	2021	L0C116409020	116409020	pseudogene	
##	2022	L0C116409228	116409228	rRNA	XR_004221673.1
##	2023	L0C116409021	116409021	pseudogene	
##	2024	L0C116409239	116409239	rRNA	XR_004221684.1
##	2025	L0C116409016	116409016	rRNA	XR_004221499.1
##	2026	L0C116409128	116409128	rRNA	XR_004221573.1
##	2027	L0C116408970	116408970	rRNA	XR_004221473.1
##	2028	L0C116409073	116409073	rRNA	XR_004221519.1
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##	2030	L0C116408976	116408976	rRNA	XR_004221479.1
##	2031	L0C116408957	116408957	rRNA	XR_004221460.1
##	2032	L0C116409010	116409010	pseudogene	
##	2033	L0C116408958	116408958	rRNA	XR_004221461.1
##	2034	L0C116409032	116409032	pseudogene	
##	2035	L0C116409217	116409217	rRNA	XR_004221662.1
##	2036	L0C116409025	116409025	pseudogene	
##	2037	L0C116408998	116408998	pseudogene	
##	2038	L0C116409018	116409018	pseudogene	
##	2039	L0C116409349	116409349	rRNA	XR_004221791.1
##	2040	L0C116409151	116409151	rRNA	XR_004221596.1
##	2041	L0C116409023	116409023	pseudogene	

## 2042 LOC116409009 116409009	pseudogene	
## 2043 LOC116409036 116409036	pseudogene	
## 2044 LOC116408962 116408962	rRNA	XR_004221465.1
## 2045 LOC116408953 116408953	rRNA	XR_004221456.1
## 2046 LOC116409328 116409328	rRNA	XR_004221770.1
## 2047 LOC116409366 116409366	rRNA	XR_004221807.1
## 2048 LOC116409394 116409394	rRNA	XR_004221835.1
## 2049 LOC116408952 116408952	rRNA	XR_004221455.1
## 2050 LOC116408992 116408992	rRNA	XR_004221495.1
## 2051 LOC116408985 116408985	rRNA	XR_004221488.1
## 2052 LOC116409043 116409043	pseudogene	
## 2053 LOC116409004 116409004	pseudogene	
## 2054 LOC116408948 116408948	rRNA	XR_004221451.1
## 2055 LOC116408967 116408967	rRNA	XR_004221470.1
## 2056 LOC116409030 116409030	pseudogene	
## 2057 LOC116409035 116409035	pseudogene	
## 2058 LOC116408961 116408961	rRNA	XR_004221464.1
## 2059 LOC116408990 116408990	rRNA	XR_004221493.1
## 2060 LOC116409031 116409031	pseudogene	
## 2061 LOC116409027 116409027	rRNA	XR_004221500.1
## 2062 LOC116409038 116409038	rRNA	XR_004221501.1
## 2063 LOC116408999 116408999	pseudogene	
## 2064 LOC116408996 116408996	pseudogene	
## 2065 LOC116408991 116408991	rRNA	XR_004221494.1
## 2066 LOC116409034 116409034	pseudogene	
## 2067 LOC116409008 116409008	pseudogene	
## 2068 LOC116409401 116409401	rRNA	XR_004221842.1
## 2069 LOC116408972 116408972	rRNA	XR_004221475.1
## 2070 LOC116409250 116409250	rRNA	XR_004221695.1
## 2071 LOC116409015 116409015	pseudogene	
## 2072 LOC116408956 116408956	rRNA	XR_004221459.1
## 2073 LOC116408963 116408963	rRNA	XR_004221466.1
## 2074 LOC116408982 116408982	rRNA	XR_004221485.1
## 2075 LOC116409024 116409024	pseudogene	
## 2076 LOC116408978 116408978	rRNA	XR_004221481.1
## 2077 LOC116409084 116409084	rRNA	XR_004221530.1
## 2078 LOC116409037 116409037	pseudogene	
## 2079 LOC116408973 116408973	rRNA	XR_004221476.1
## 2080 LOC116408979 116408979	rRNA	XR_004221482.1
## 2081 LOC116409095 116409095	rRNA	XR_004221541.1
## 2082 LOC116408951 116408951	rRNA	XR_004221454.1
## 2083 LOC116408946 116408946	rRNA	XR_004221449.1
## 2084 LOC116409273 116409273	rRNA	XR_004221718.1
## 2085 LOC116408947 116408947	rRNA	XR_004221450.1
## 2086 LOC116409013 116409013	pseudogene	
## 2087 LOC116409162 116409162	rRNA	XR_004221607.1
## 2088 LOC116409026 116409026	pseudogene	
## 2089 LOC116409000 116409000	pseudogene	
## 2090 LOC116409005 116409005	pseudogene	
## 2091 LOC116409173 116409173	rRNA	XR_004221618.1
## 2092 LOC116409042 116409042	pseudogene	
## 2093 LOC116409014 116409014	pseudogene	
## 2094 LOC116409184 116409184	rRNA	XR_004221629.1
## 2095 LOC116409028 116409028	pseudogene	

##	2096	LOC116409001	116409001	pseudogene	
##	2097	LOC116409006	116409006	pseudogene	
##	2098	LOC116409195	116409195	rRNA	XR_004221640.1
##	2099	LOC116409022	116409022	pseudogene	
##	2100	LOC116408989	116408989	rRNA	XR_004221492.1
##	2101	LOC116409007	116409007	pseudogene	
##	2102	LOC116409019	116409019	pseudogene	
##	2103	LOC116409003	116409003	pseudogene	
##	2104	LOC116408994	116408994	rRNA	XR_004221497.1
##	2105	LOC116409039	116409039	pseudogene	
##	2106	LOC116409040	116409040	pseudogene	
##	2107	LOC116408984	116408984	rRNA	XR_004221487.1
##	2108	LOC116409106	116409106	rRNA	XR_004221552.1
##	2109	LOC116409047	116409047	rRNA	XR_004221504.1
##	2110	LOC116409284	116409284	rRNA	XR_004221729.1
##	2111	LOC116408988	116408988	rRNA	XR_004221491.1
##	2112	LOC116408974	116408974	rRNA	XR_004221477.1
##	2113	LOC116408968	116408968	rRNA	XR_004221471.1
##	2114	LOC116408960	116408960	rRNA	XR_004221463.1
##	2115	LOC116408966	116408966	rRNA	XR_004221469.1
##	2116	LOC116409002	116409002	pseudogene	
##	2117	LOC116409383	116409383	rRNA	XR_004221824.1
##	2118	LOC116409145	116409145	rRNA	XR_004221590.1
##	2119	LOC116409338	116409338	rRNA	XR_004221780.1
##	2120	LOC116409256	116409256	rRNA	XR_004221701.1
##	2121	LOC116409011	116409011	pseudogene	
##	2122	LOC116409372	116409372	rRNA	XR_004221813.1
##	2123	LOC116408945	116408945	rRNA	XR_004221448.1
##	2124	LOC116409029	116409029	pseudogene	
##	2125	LOC116408983	116408983	rRNA	XR_004221486.1
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##	2127	LOC116408940	116408940	lncRNA	XR_004221447.1
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##	2132	LOC105945982	105945982	lncRNA	XR_004221895.1
##	2133	LOC116409666	116409666	lncRNA	XR_004221894.1
##	2134	LOC116409671	116409671	lncRNA	XR_004221896.1
##	2135	LOC116409672	116409672	lncRNA	XR_004221897.1
##	2136	LOC105945878	105945878	lncRNA	XR_004221898.1
##	2137	LOC105945878	105945878	lncRNA	XR_004221899.1
##	2138	mirlet7e-2	100886893	miRNA	NR_049653.1
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##	2140	LOC116409674	116409674	lncRNA	XR_004221900.1
##	2141	LOC116409913	116409913	snRNA	XR_004222161.1
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##	2143	LOC116409876	116409876	snoRNA	XR_004222131.1
##	2144	LOC116409878	116409878	snoRNA	XR_004222133.1
##	2145	LOC116409455	116409455	lncRNA	XR_004221855.1
##	2146	LOC116409881	116409881	snoRNA	XR_004222135.1
##	2147	LOC116409883	116409883	snoRNA	XR_004222137.1
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##	2149	LOC101731742	101731742	lncRNA	XR_209254.4

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## 2153	LOC116409879	116409879	snoRNA	XR_004222134.1
## 2154	LOC116409877	116409877	snoRNA	XR_004222132.1
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## 2156	LOC116409882	116409882	snoRNA	XR_004222136.1
## 2157	trnar-ucu	108644724	tRNA	
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## 2159	trnar-ucu	108644737	tRNA	
## 2160	trnar-ucu	108645512	tRNA	
## 2161	trnar-ucu	116409946	tRNA	
## 2162	trnar-ucu	116409947	tRNA	
## 2163	trnar-ucu	108644728	tRNA	
## 2164	trnar-ucu	108645515	tRNA	
## 2165	trnar-ucu	116409948	tRNA	
## 2166	trnar-ucu	108644731	tRNA	
## 2167	trnar-ucu	108644732	tRNA	
## 2168	trnar-ucu	108644727	tRNA	
## 2169	trnar-ucu	116409949	tRNA	
## 2170	trnar-ucu	116409950	tRNA	
## 2171	trnar-ucu	116409951	tRNA	
## 2172	trnar-ucu	116409952	tRNA	
## 2173	trnar-ucu	116409953	tRNA	
## 2174	trnar-ucu	108645605	tRNA	
## 2175	trnar-ucu	116409954	tRNA	
## 2176	trnar-ucu	116409955	tRNA	
## 2177	trnar-ucu	116409956	tRNA	
## 2178	LOC101731549	101731549	lncRNA	XR_208422.4
## 2179	erc1	100145199	protein-coding	XR_004221847.1
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## 2182	LOC116409458	116409458	lncRNA	XR_004221858.1
## 2183	LOC116409458	116409458	lncRNA	XR_004221859.1
## 2184	LOC116409459	116409459	lncRNA	XR_004221860.1
## 2185	LOC116409685	116409685	lncRNA	XR_004221903.1
## 2186	LOC116409686	116409686	lncRNA	XR_004221904.1
## 2187	LOC101730684	101730684	lncRNA	XR_004221905.1
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## 2190	LOC116409687	116409687	lncRNA	XR_004221907.1
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## 2193	LOC116409689	116409689	lncRNA	XR_004221909.1
## 2194	LOC101734944	101734944	lncRNA	XR_208427.3
## 2195	LOC105946922	105946922	lncRNA	XR_001170355.3
## 2196	LOC116409462	116409462	lncRNA	XR_004221861.1
## 2197	LOC116409690	116409690	lncRNA	XR_004221910.1
## 2198	LOC116409690	116409690	lncRNA	XR_004221911.1
## 2199	LOC116409690	116409690	lncRNA	XR_004221912.1
## 2200	LOC101731685	101731685	lncRNA	XR_209292.4
## 2201	LOC100489880	100489880	protein-coding	XR_001169301.3
## 2202	LOC108646293	108646293	lncRNA	XR_004221862.1
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##	2204	LOC116409692	116409692	lncRNA	XR_004221914.1
##	2205	LOC116409692	116409692	lncRNA	XR_004221915.1
##	2206	LOC116409693	116409693	lncRNA	XR_004221916.1
##	2207	LOC105946802	105946802	lncRNA	XR_001170272.3
##	2208	LOC116409694	116409694	lncRNA	XR_004221917.1
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##	2213	atox1	734100	protein-coding	XR_001924165.2
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##	2215	slc36a1	100492769	protein-coding	XR_004221920.1
##	2216	mir9406	104795591	miRNA	NR_130614.1
##	2217	LOC100495195	100495195	lncRNA	XR_001170257.3
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##	2219	LOC105946924	105946924	lncRNA	XR_001170357.3
##	2220	LOC100495624	100495624	lncRNA	XR_001170260.3
##	2221	LOC100495624	100495624	lncRNA	XR_001170263.3
##	2222	LOC100495624	100495624	lncRNA	XR_004221922.1
##	2223	LOC100495624	100495624	lncRNA	XR_004221923.1
##	2224	LOC100495624	100495624	lncRNA	XR_004221924.1
##	2225	LOC100495624	100495624	lncRNA	XR_004221925.1
##	2226	LOC100495624	100495624	lncRNA	XR_004221926.1
##	2227	LOC100495624	100495624	lncRNA	XR_004221927.1
##	2228	LOC101733543	101733543	lncRNA	XR_001924315.2
##	2229	LOC116409697	116409697	lncRNA	XR_004221928.1
##	2230	LOC116409699	116409699	lncRNA	XR_004221929.1
##	2231	LOC116409700	116409700	lncRNA	XR_004221930.1
##	2232	LOC116409701	116409701	lncRNA	XR_004221931.1
##	2233	LOC105946797	105946797	lncRNA	XR_004221932.1
##	2234	LOC116409463	116409463	lncRNA	XR_004221863.1
##	2235	LOC105946788	105946788	lncRNA	XR_001170248.3
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##	2237	LOC105946789	105946789	lncRNA	XR_001170250.3
##	2238	LOC105946789	105946789	lncRNA	XR_004221933.1
##	2239	LOC116409465	116409465	lncRNA	XR_004221864.1
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##	2241	LOC101734158	101734158	protein-coding	XR_001170241.3
##	2242	LOC101734158	101734158	protein-coding	XR_004221934.1
##	2243	LOC101734158	101734158	protein-coding	XR_004221935.1
##	2244	LOC105946784	105946784	lncRNA	XR_004221936.1
##	2245	LOC105946784	105946784	lncRNA	XR_004221937.1
##	2246	LOC105946784	105946784	lncRNA	XR_004221938.1
##	2247	LOC105946784	105946784	lncRNA	XR_004221939.1
##	2248	LOC105946784	105946784	lncRNA	XR_004221940.1
##	2249	LOC116409660	116409660	lncRNA	XR_004221891.1
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##	2253	LOC116409706	116409706	protein-coding	XR_004221941.1
##	2254	LOC116409885	116409885	pseudogene	
##	2255	LOC108646222	108646222	pseudogene	
##	2256	LOC108646295	108646295	lncRNA	XR_001924320.2
##	2257	LOC108646296	108646296	lncRNA	XR_004221943.1

##	2258	LOC105946792	105946792	lncRNA	XR_001170255.3
##	2259	LOC105946792	105946792	lncRNA	XR_004221942.1
##	2260	LOC105946791	105946791	lncRNA	XR_001170254.3
##	2261	LOC116409472	116409472	lncRNA	XR_004221866.1
##	2262	LOC101734840	101734840	misc_RNA	XR_004221890.1
##	2263	LOC116409532	116409532	pseudogene	
##	2264	LOC116409707	116409707	lncRNA	XR_004221944.1
##	2265	rell2	448340	protein-coding	NR_045263.1
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##	2268	LOC105946800	105946800	lncRNA	XR_001170270.3
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##	2272	mir218-2	100886821	miRNA	NR_049616.1
##	2273	mir103-1	100886838	miRNA	NR_049648.1
##	2274	LOC116409709	116409709	lncRNA	XR_004221945.1
##	2275	LOC108646150	108646150	lncRNA	XR_001924170.2
##	2276	LOC116409710	116409710	lncRNA	XR_004221946.1
##	2277	LOC116409711	116409711	lncRNA	XR_004221947.1
##	2278	LOC116409712	116409712	lncRNA	XR_004221948.1
##	2279	LOC105946809	105946809	lncRNA	XR_004221949.1
##	2280	LOC116409714	116409714	lncRNA	XR_004221950.1
##	2281	p4ha2	493342	protein-coding	XR_004221851.1
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##	2290	LOC116409915	116409915	snoRNA	XR_004222163.1
##	2291	LOC116409912	116409912	snoRNA	XR_004222160.1
##	2292	LOC116409905	116409905	snoRNA	XR_004222153.1
##	2293	LOC116409906	116409906	snoRNA	XR_004222154.1
##	2294	LOC116409908	116409908	snoRNA	XR_004222156.1
##	2295	LOC116409907	116409907	snoRNA	XR_004222155.1
##	2296	LOC116409914	116409914	snoRNA	XR_004222162.1
##	2297	LOC116409911	116409911	snoRNA	XR_004222159.1
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##	2303	LOC116409717	116409717	lncRNA	XR_004221953.1
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##	2305	LOC116409479	116409479	lncRNA	XR_004221868.1
##	2306	LOC116409718	116409718	lncRNA	XR_004221954.1
##	2307	LOC100489578	100489578	protein-coding	XM_002936702.5
##	2308	LOC116409902	116409902	pseudogene	
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##	2315	LOC100493455	100493455	protein-coding	XR_004221958.1
##	2316	LOC116409888	116409888	snRNA	XR_004222138.1
##	2317	LOC108646152	108646152	lncRNA	XR_004221959.1
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##	2323	LOC105946819	105946819	lncRNA	XR_004221962.1
##	2324	LOC105946821	105946821	lncRNA	XR_004221963.1
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##	2335	LOC101731354	101731354	lncRNA	XR_004221967.1
##	2336	LOC101731354	101731354	lncRNA	XR_004221968.1
##	2337	LOC101731354	101731354	lncRNA	XR_004221969.1
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##	2342	LOC108646159	108646159	lncRNA	XR_001924195.2
##	2343	LOC116409734	116409734	lncRNA	XR_004221973.1
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##	2345	LOC116409910	116409910	snoRNA	XR_004222158.1
##	2346	LOC116409909	116409909	snoRNA	XR_004222157.1
##	2347	LOC116409736	116409736	lncRNA	XR_004221974.1
##	2348	LOC105946828	105946828	lncRNA	XR_001924196.2
##	2349	LOC101734767	101734767	lncRNA	XR_001924198.2
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##	2351	LOC101734767	101734767	lncRNA	XR_004221976.1
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##	2353	LOC101734767	101734767	lncRNA	XR_004221978.1
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##	2357	LOC101734767	101734767	lncRNA	XR_004221982.1
##	2358	LOC101734767	101734767	lncRNA	XR_004221983.1
##	2359	LOC105946930	105946930	lncRNA	XR_001170365.3
##	2360	LOC100490181	100490181	lncRNA	XR_001170703.2
##	2361	LOC116409737	116409737	lncRNA	XR_004221984.1
##	2362	LOC105946836	105946836	lncRNA	XR_001170321.3
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##	2366	LOC100488397	100488397	lncRNA	XR_004221987.1
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##	2371	LOC105946931	105946931	lncRNA	XR_004221872.1
##	2372	LOC116409740	116409740	lncRNA	XR_004221992.1
##	2373	LOC116409741	116409741	lncRNA	XR_004221993.1
##	2374	LOC116409742	116409742	lncRNA	XR_004221994.1
##	2375	LOC105946844	105946844	lncRNA	XR_001170329.3
##	2376	LOC116409743	116409743	lncRNA	XR_004221995.1
##	2377	LOC116409483	116409483	lncRNA	XR_004221873.1
##	2378	LOC105946847	105946847	lncRNA	XR_001170331.3
##	2379	LOC105946847	105946847	lncRNA	XR_001170332.3
##	2380	LOC105946847	105946847	lncRNA	XR_004221996.1
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##	2382	LOC116409744	116409744	lncRNA	XR_004221998.1
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##	2386	LOC105946848	105946848	lncRNA	XR_001170333.3
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##	2389	LOC105946850	105946850	lncRNA	XR_001170335.3
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##	2392	LOC116409749	116409749	lncRNA	XR_004222002.1
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##	2401	mir29a	100886891	miRNA	NR_049641.1
##	2402	mir29d	100886925	miRNA	NR_049555.1
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##	2406	smkr1	100491987	lncRNA	XR_208453.4
##	2407	smkr1	100491987	lncRNA	XR_001170340.3
##	2408	mir183	100886907	miRNA	NR_049596.1
##	2409	mir96	100886837	miRNA	NR_049646.1
##	2410	mir182	100886933	miRNA	NR_049595.1
##	2411	mir129-2	100886799	miRNA	NR_049574.1
##	2412	trnap-ugg	108646468	tRNA	
##	2413	trnat-agu	108647046	tRNA	
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##	2419	LOC100487908	100487908	lncRNA	XR_004222011.1

## 2420	LOC100487908	100487908	lncRNA	XR_004222012.1
## 2421	LOC100487908	100487908	lncRNA	XR_004222013.1
## 2422	LOC100487908	100487908	lncRNA	XR_004222014.1
## 2423	LOC100487908	100487908	lncRNA	XR_004222015.1
## 2424	LOC116409755	116409755	lncRNA	XR_004222016.1
## 2425	LOC116409756	116409756	lncRNA	XR_004222018.1
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## 2427	trnah-gug	108646353	tRNA	
## 2428	LOC105947764	105947764	lncRNA	XR_004222017.1
## 2429	LOC108646170	108646170	lncRNA	XR_001924225.2
## 2430	LOC116409758	116409758	lncRNA	XR_004222019.1
## 2431	tln2	100144637	protein-coding	XR_004222020.1
## 2432	LOC105947763	105947763	lncRNA	XR_001171217.3
## 2433	myo9a	100216086	protein-coding	XR_001924227.2
## 2434	LOC116409759	116409759	lncRNA	XR_004222021.1
## 2435	LOC116409762	116409762	lncRNA	XR_004222022.1
## 2436	LOC116409764	116409764	lncRNA	XR_004222023.1
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## 2440	LOC116409892	116409892	snoRNA	XR_004222141.1
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## 2445	LOC116409765	116409765	lncRNA	XR_004222028.1
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## 2450	trnad-guc	108646686	tRNA	
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## 2474	trnad-guc	108646907	tRNA	
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## 2476	trnad-guc	116410175	tRNA	
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## 2478	trnad-guc	116410187	tRNA	
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## 2481	trnad-guc	108646985	tRNA	
## 2482	LOC101733305	101733305	lncRNA	XR_209029.4
## 2483	LOC116409767	116409767	lncRNA	XR_004222032.1
## 2484	mir204-1	100886863	miRNA	NR_049693.1
## 2485	LOC116409768	116409768	lncRNA	XR_004222033.1
## 2486	LOC116409768	116409768	lncRNA	XR_004222034.1
## 2487	LOC116409768	116409768	lncRNA	XR_004222035.1
## 2488	LOC101734496	101734496	lncRNA	XR_001171907.3
## 2489	LOC101734496	101734496	lncRNA	XR_004222036.1
## 2490	LOC105948491	105948491	lncRNA	XR_001171908.3
## 2491	myzap	100135268	protein-coding	XR_004221846.1
## 2492	LOC105946778	105946778	lncRNA	XR_004222037.1
## 2493	LOC108646278	108646278	lncRNA	XR_001924302.2
## 2494	LOC116409487	116409487	lncRNA	XR_004221877.1
## 2495	LOC116409769	116409769	lncRNA	XR_004222038.1
## 2496	LOC116409770	116409770	lncRNA	XR_004222039.1
## 2497	LOC116409771	116409771	lncRNA	XR_004222040.1
## 2498	LOC105946762	105946762	lncRNA	XR_001170200.3
## 2499	LOC105946762	105946762	lncRNA	XR_004222041.1
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## 2506	LOC108646180	108646180	lncRNA	XR_001924239.2
## 2507	LOC108646180	108646180	lncRNA	XR_004222043.1
## 2508	LOC101730325	101730325	lncRNA	XR_004222044.1
## 2509	LOC116409772	116409772	lncRNA	XR_004222045.1
## 2510	ell3	100492932	protein-coding	XR_208412.3
## 2511	LOC116409773	116409773	lncRNA	XR_004222046.1
## 2512	LOC116409774	116409774	lncRNA	XR_004222047.1
## 2513	LOC116409775	116409775	lncRNA	XR_004222048.1
## 2514	LOC116409775	116409775	lncRNA	XR_004222049.1
## 2515	LOC116409776	116409776	lncRNA	XR_004222050.1
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## 2517	trnad-guc	108647007	tRNA	
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## 2524	trnar-ucg	108647040	tRNA	
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##	2531	LOC116409778	116409778	lncRNA	XR_004222055.1
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##	2533	LOC101733479	101733479	lncRNA	XR_001170217.3
##	2534	LOC101733479	101733479	lncRNA	XR_004222057.1
##	2535	LOC101733479	101733479	lncRNA	XR_004222058.1
##	2536	mir7-2	100886778	miRNA	NR_049536.1
##	2537	LOC116409863	116409863	pseudogene	
##	2538	LOC105946773	105946773	lncRNA	XR_001170219.3
##	2539	LOC101731418	101731418	pseudogene	
##	2540	LOC116409780	116409780	lncRNA	XR_004222059.1
##	2541	LOC105946774	105946774	lncRNA	XR_001170221.3
##	2542	LOC105946774	105946774	lncRNA	XR_001170222.3
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##	2544	LOC105946774	105946774	lncRNA	XR_001170224.2
##	2545	LOC105946774	105946774	lncRNA	XR_001170225.3
##	2546	LOC105946774	105946774	lncRNA	XR_001170230.3
##	2547	LOC105946774	105946774	lncRNA	XR_001924254.2
##	2548	LOC105946774	105946774	lncRNA	XR_004222060.1
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##	2550	LOC116409489	116409489	lncRNA	XR_004221878.1
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##	2554	LOC116409781	116409781	lncRNA	XR_004222062.1
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##	2556	megf11	100490321	protein-coding	XR_004222063.1
##	2557	LOC116409918	116409918	other	XR_004222166.1
##	2558	LOC116409895	116409895	snoRNA	XR_004222144.1
##	2559	LOC116409893	116409893	snoRNA	XR_004222142.1
##	2560	LOC116409896	116409896	snoRNA	XR_004222145.1
##	2561	LOC116409903	116409903	snoRNA	XR_004222151.1
##	2562	LOC116409894	116409894	snoRNA	XR_004222143.1
##	2563	LOC116409904	116409904	snoRNA	XR_004222152.1
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##	2565	LOC108646189	108646189	lncRNA	XR_001924265.2
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##	2568	EIF3J	496929	protein-coding	NR_077062.2
##	2569	mir184	100886810	miRNA	NR_049597.1
##	2570	LOC105946757	105946757	lncRNA	XR_001170194.3
##	2571	LOC116409869	116409869	pseudogene	
##	2572	LOC116409873	116409873	snRNA	XR_004222128.1
##	2573	LOC105946755	105946755	lncRNA	XR_001170192.3
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##	2575	LOC116409782	116409782	lncRNA	XR_004222064.1
##	2576	trnag-ccc	108647118	tRNA	
##	2577	LOC116409491	116409491	lncRNA	XR_004221879.1
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##	2579	LOC116409492	116409492	lncRNA	XR_004221880.1
##	2580	LOC116409785	116409785	lncRNA	XR_004222066.1
##	2581	LOC116409786	116409786	lncRNA	XR_004222067.1

##	2582	LOC108646185	108646185	lncRNA	XR_001924258.2
##	2583	LOC116409787	116409787	lncRNA	XR_004222068.1
##	2584	LOC116409787	116409787	lncRNA	XR_004222069.1
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##	2588	LOC101732064	101732064	lncRNA	XR_208404.3
##	2589	LOC116409551	116409551	pseudogene	
##	2590	LOC116409868	116409868	snoRNA	XR_004222126.1
##	2591	LOC116409867	116409867	snoRNA	XR_004222125.1
##	2592	LOC116409866	116409866	snoRNA	XR_004222124.1
##	2593	LOC116409557	116409557	pseudogene	
##	2594	LOC100487547	100487547	lncRNA	XR_001924266.2
##	2595	LOC100487547	100487547	lncRNA	XR_001924267.2
##	2596	LOC116409790	116409790	lncRNA	XR_004222071.1
##	2597	LOC116409791	116409791	lncRNA	XR_004222072.1
##	2598	LOC105946751	105946751	lncRNA	XR_001170187.3
##	2599	LOC116409792	116409792	lncRNA	XR_004222073.1
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##	2602	LOC100497150	100497150	pseudogene	
##	2603	LOC116409795	116409795	lncRNA	XR_004222075.1
##	2604	LOC116409795	116409795	lncRNA	XR_004222076.1
##	2605	LOC116409500	116409500	lncRNA	XR_004221881.1
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##	2608	LOC108646192	108646192	lncRNA	XR_001924272.2
##	2609	LOC116409501	116409501	lncRNA	XR_004221882.1
##	2610	LOC116409799	116409799	lncRNA	XR_004222077.1
##	2611	LOC116409799	116409799	lncRNA	XR_004222078.1
##	2612	LOC101730852	101730852	misc_RNA	XR_004222079.1
##	2613	LOC105945356	105945356	lncRNA	XR_004222082.1
##	2614	LOC116409802	116409802	lncRNA	XR_004222083.1
##	2615	LOC116409801	116409801	lncRNA	XR_004222081.1
##	2616	LOC116409803	116409803	lncRNA	XR_004222084.1
##	2617	LOC116409804	116409804	lncRNA	XR_004222085.1
##	2618	LOC116409800	116409800	lncRNA	XR_004222080.1
##	2619	LOC116409887	116409887	pseudogene	
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##	2621	LOC116409806	116409806	lncRNA	XR_004222086.1
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##	2625	trnag-ucc	116409958	tRNA	
##	2626	trnae-uuc	116409959	tRNA	
##	2627	trnaf-gaa	108645034	tRNA	
##	2628	trnam-cau	108644981	tRNA	
##	2629	trnay-gua	108646477	tRNA	
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##	2632	trnaa-agc	108647229	tRNA	
##	2633	trnaf-gaa	108647218	tRNA	
##	2634	trnam-cau	108646476	tRNA	
##	2635	trnay-gua	116409933	tRNA	

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## 2646	trnam-cau	108645024	tRNA
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## 2654	trnae-uuc	108646544	tRNA
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## 2817	trnav-cac	108646902	tRNA
## 2818	trnae-cuc	116410147	tRNA
## 2819	trnav-aac	116410148	tRNA
## 2820	trnak-cuu	108646370	tRNA
## 2821	trnav-cac	108646381	tRNA
## 2822	trnae-cuc	108646392	tRNA
## 2823	trnav-aac	108646403	tRNA
## 2824	trnak-cuu	108646414	tRNA
## 2825	trnav-aac	108646425	tRNA
## 2826	trnae-cuc	108645584	tRNA
## 2827	trnav-aac	108645065	tRNA
## 2828	trnak-cuu	108645060	tRNA
## 2829	trnav-cac	108645062	tRNA
## 2830	trnae-cuc	108645059	tRNA
## 2831	trnav-aac	108645058	tRNA
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## 2838	trnae-cuc	108645050	tRNA
## 2839	trnav-aac	108645049	tRNA
## 2840	trnak-cuu	108645048	tRNA
## 2841	trnav-cac	108645047	tRNA
## 2842	trnae-cuc	108645046	tRNA
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## 2844	trnak-cuu	108645043	tRNA
## 2845	trnav-cac	108646647	tRNA
## 2846	trnae-cuc	108646658	tRNA
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## 2848	trnak-cuu	108646917	tRNA
## 2849	trnav-cac	116410150	tRNA
## 2850	trnae-cuc	108646920	tRNA
## 2851	trnav-aac	108645093	tRNA

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##	2856	trnak-cuu	108645087	tRNA
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##	2862	trnae-cuc	108645042	tRNA
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##	2864	trnak-cuu	108645040	tRNA
##	2865	trnav-cac	108645039	tRNA
##	2866	trnae-cuc	108645038	tRNA
##	2867	trnav-aac	108645037	tRNA
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##	2902	trnae-uuc	108646498	tRNA
##	2903	trnaa-agc	108646502	tRNA
##	2904	trnaf-gaa	108646512	tRNA
##	2905	trnam-cau	108646934	tRNA

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##	2907	trnag-ucc	108646513	tRNA	
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##	2909	trnaa-agc	116409969	tRNA	
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##	2911	LOC116409808	116409808	protein-coding	XR_004222088.1
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##	2916	trnam-cau	108646926	tRNA	
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##	2918	trnag-ucc	108645023	tRNA	
##	2919	trnaf-gaa	108645103	tRNA	
##	2920	trnag-ucc	116410158	tRNA	
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##	2924	trnay-gua	116410160	tRNA	
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##	2928	trnam-cau	108646930	tRNA	
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##	2930	trnag-ucc	108646505	tRNA	
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##	2932	trnaa-agc	108646499	tRNA	
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##	2941	trnam-cau	116410163	tRNA	
##	2942	trnay-gua	108646940	tRNA	
##	2943	trnag-ucc	108646522	tRNA	
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##	2959	trnag-ucc	108646561	tRNA	

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## 2965	trnag-ucc	116409975	tRNA
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## 3014	trnae-cuc	108646595	tRNA
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## 3017	trnae-cuc	108646995	tRNA
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## 3051	trnan-guu	108646602	tRNA
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## 3053	trnan-guu	108646604	tRNA
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## 3055	trnak-uuu	108647024	tRNA
## 3056	trnam-cau	108647025	tRNA
## 3057	trnak-uuu	108647026	tRNA
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##	3078	trnak-uuu	108646618	tRNA	
##	3079	trnak-uuu	108646619	tRNA	
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##	3089	trnar-acg	108647044	tRNA	
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##	3091	trnak-uuu	108647047	tRNA	
##	3092	trnak-cuu	108647048	tRNA	
##	3093	trnah-gug	108647049	tRNA	
##	3094	trnar-ccu	108646620	tRNA	
##	3095	trnak-uuu	108647050	tRNA	
##	3096	trnak-cuu	108646621	tRNA	
##	3097	trnah-gug	108647051	tRNA	
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##	3102	trnak-uuu	116410177	tRNA	
##	3103	trnah-gug	116410178	tRNA	
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##	3107	trnah-gug	108647058	tRNA	
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##	3109	trnah-gug	116410181	tRNA	
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##	3111	trnah-gug	116410183	tRNA	
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## 3123	LOC105945317	105945317	lncRNA	XR_001168914.3
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## 3175	trnai-uau	108646646	tRNA	

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## 3184	trnai-uau	108646650	tRNA	
## 3185	trnap-ugg	108647117	tRNA	
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## 3192	trnap-agg	108647123	tRNA	
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## 3197	trnap-ugg	116410193	tRNA	
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## 3204	trnap-agg	108647079	tRNA	
## 3205	trnai-uau	108646632	tRNA	
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## 3208	trnai-uau	108646633	tRNA	
## 3209	trnap-ugg	108647082	tRNA	
## 3210	trnap-agg	108647083	tRNA	
## 3211	trnai-uau	108646634	tRNA	
## 3212	trnap-ugg	108647084	tRNA	
## 3213	trnap-agg	108647086	tRNA	
## 3214	trnai-uau	116409983	tRNA	
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## 3216	trnap-agg	116410195	tRNA	
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## 3218	LOC101733959	101733959	protein-coding	XR_004222093.1
## 3219	LOC101733959	101733959	protein-coding	XR_004222094.1
## 3220	kcnt2l	779818	protein-coding	XR_001168938.3
## 3221	kcnt2l	779818	protein-coding	XR_001924274.2
## 3222	qtrt1	394694	protein-coding	XR_004221850.1
## 3223	LOC105946166	105946166	lncRNA	XR_004222096.1
## 3224	LOC105946166	105946166	lncRNA	XR_004222097.1
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##	3233	LOC116409821	116409821	lncRNA	XR_004222107.1
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## 3656	trnas-gcu	108647278	tRNA
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## 3753	LOC108646253	108646253	protein-coding	XM_018092710.1
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## 3793	LOC101730874	101730874	protein-coding	XR_004222115.1
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## 3870	LOC116410677	116410677	pseudogene	
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## 3872	LOC100158538	100158538	misc_RNA	XR_097997.5
## 3873	LOC116410360	116410360	pseudogene	
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## 3875	LOC100498328	100498328	misc_RNA	XR_004222187.1
## 3876	LOC100498645	100498645	protein-coding	XR_004222184.1
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## 3879 LOC101734743	101734743	lncRNA	XR_004222188.1
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## 3884 LOC101733371	101733371	lncRNA	XR_208465.3
## 3885 scube2	779957	protein-coding	XR_004222177.1
## 3886 dennd5a	100158564	protein-coding	XR_004222173.1
## 3887 LOC116410669	116410669	snoRNA	XR_004222582.1
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## 3889 LOC105947164	105947164	lncRNA	XR_001170563.3
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## 3895 LOC116410521	116410521	lncRNA	XR_004222452.1
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## 3907 LOC116410253	116410253	lncRNA	XR_004222208.1
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## 3909 LOC116410267	116410267	lncRNA	XR_004222221.1
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## 3912 LOC116410260	116410260	lncRNA	XR_004222214.1
## 3913 LOC116410257	116410257	lncRNA	XR_004222211.1
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## 3915 LOC108644859	108644859	protein-coding	XR_004222209.1
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## 3918 LOC116410269	116410269	lncRNA	XR_004222223.1
## 3919 LOC116410261	116410261	lncRNA	XR_004222215.1
## 3920 LOC116410265	116410265	lncRNA	XR_004222219.1
## 3921 LOC116410263	116410263	lncRNA	XR_004222217.1
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## 3929 LOC116410272	116410272	lncRNA	XR_004222228.1
## 3930 LOC116410273	116410273	lncRNA	XR_004222229.1
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##	3935	LOC116410280	116410280	lncRNA	XR_004222235.1
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##	3937	LOC105947174	105947174	lncRNA	XR_004222236.1
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##	3943	LOC116410680	116410680	pseudogene	
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##	3945	LOC101731609	101731609	misc_RNA	XR_004222243.1
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##	3951	LOC116410295	116410295	lncRNA	XR_004222248.1
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##	3957	LOC116410296	116410296	lncRNA	XR_004222249.1
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##	3963	LOC108646158	108646158	lncRNA	XR_004222254.1
##	3964	LOC116410301	116410301	lncRNA	XR_004222258.1
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##	3966	LOC105947209	105947209	lncRNA	XR_004222260.1
##	3967	LOC116410305	116410305	lncRNA	XR_004222264.1
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##	3969	LOC116410304	116410304	lncRNA	XR_004222263.1
##	3970	LOC101732864	101732864	lncRNA	XR_004222265.1
##	3971	LOC116410527	116410527	lncRNA	XR_004222456.1
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##	3973	LOC116410307	116410307	lncRNA	XR_004222267.1
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##	3981	LOC116410539	116410539	lncRNA	XR_004222458.1
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##	3983	LOC105947191	105947191	lncRNA	XR_001170603.3
##	3984	LOC105947190	105947190	lncRNA	XR_001170601.3
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## 3995 LOC108647379	108647379	lncRNA	XR_001924392.2
## 3996 LOC108647378	108647378	lncRNA	XR_001924388.2
## 3997 LOC108647378	108647378	lncRNA	XR_004222279.1
## 3998 LOC116410313	116410313	protein-coding	XR_004222278.1
## 3999 LOC116410316	116410316	lncRNA	XR_004222282.1
## 4000 LOC101733421	101733421	lncRNA	XR_208482.4
## 4001 LOC101733421	101733421	lncRNA	XR_004222283.1
## 4002 LOC116410317	116410317	lncRNA	XR_004222284.1
## 4003 LOC116410318	116410318	lncRNA	XR_004222285.1
## 4004 LOC101733500	101733500	lncRNA	XR_004222460.1
## 4005 trnaa-ugc	108647485	tRNA	
## 4006 LOC100487727	100487727	protein-coding	XR_004222286.1
## 4007 trnaa-agc	108647486	tRNA	
## 4008 LOC116410319	116410319	protein-coding	XR_004222287.1
## 4009 LOC116410319	116410319	protein-coding	XR_004222288.1
## 4010 LOC101734551	101734551	lncRNA	XR_004222461.1
## 4011 LOC116410541	116410541	lncRNA	XR_004222462.1
## 4012 LOC116410320	116410320	lncRNA	XR_004222289.1
## 4013 LOC108647386	108647386	lncRNA	XR_001924401.2
## 4014 LOC116410322	116410322	lncRNA	XR_004222290.1
## 4015 LOC116410323	116410323	protein-coding	XM_031900574.1
## 4016 LOC116410672	116410672	pseudogene	
## 4017 LOC116410325	116410325	lncRNA	XR_004222291.1
## 4018 LOC116410329	116410329	lncRNA	XR_004222292.1
## 4019 LOC116410333	116410333	lncRNA	XR_004222297.1
## 4020 LOC116410330	116410330	lncRNA	XR_004222293.1
## 4021 LOC116410331	116410331	lncRNA	XR_004222294.1
## 4022 LOC105947262	105947262	lncRNA	XR_004222296.1
## 4023 LOC116410332	116410332	lncRNA	XR_004222295.1
## 4024 LOC116410337	116410337	lncRNA	XR_004222299.1
## 4025 LOC116410338	116410338	lncRNA	XR_004222300.1
## 4026 LOC116410336	116410336	lncRNA	XR_004222298.1
## 4027 chid1	493467	protein-coding	XR_004222175.1
## 4028 LOC116410340	116410340	lncRNA	XR_004222301.1
## 4029 cend1	100485895	lncRNA	XR_208539.3
## 4030 LOC116410342	116410342	lncRNA	XR_004222302.1
## 4031 LOC100487206	100487206	lncRNA	XR_208532.4
## 4032 LOC116410343	116410343	lncRNA	XR_004222303.1
## 4033 dpf2	100126056	protein-coding	XR_001170395.3
## 4034 LOC116410276	116410276	lncRNA	XR_004222232.1
## 4035 LOC116410344	116410344	lncRNA	XR_004222304.1
## 4036 LOC108644521	108644521	pseudogene	
## 4037 LOC101733583	101733583	pseudogene	
## 4038 LOC108647423	108647423	pseudogene	
## 4039 LOC101733707	101733707	pseudogene	

## 4040	LOC116410545	116410545	lncRNA	XR_004222464.1
## 4041	LOC116406507	116406507	pseudogene	
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## 4043	batf2	105947272	protein-coding	XR_001924438.2
## 4044	LOC101733271	101733271	protein-coding	XR_004222305.1
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## 4046	mir194-2	100886813	miRNA	NR_049602.1
## 4047	mir192	100886959	miRNA	NR_049599.1
## 4048	trnat-ugu	108647564	tRNA	
## 4049	trnat-ugu	108647575	tRNA	
## 4050	trnat-ugu	116410778	tRNA	
## 4051	trnat-ugu	108647576	tRNA	
## 4052	trnat-ugu	116410788	tRNA	
## 4053	trnat-ugu	108647577	tRNA	
## 4054	trnat-ugu	108647579	tRNA	
## 4055	trnat-ugu	108647566	tRNA	
## 4056	trnat-ugu	108647568	tRNA	
## 4057	trnat-ugu	116410720	tRNA	
## 4058	trnat-ugu	108647572	tRNA	
## 4059	trnat-ugu	116410729	tRNA	
## 4060	trnat-ugu	108647569	tRNA	
## 4061	trnat-ugu	116410741	tRNA	
## 4062	trnat-ugu	108647570	tRNA	
## 4063	trnat-ugu	116410759	tRNA	
## 4064	LOC116410346	116410346	lncRNA	XR_004222307.1
## 4065	LOC116410346	116410346	lncRNA	XR_004222308.1
## 4066	LOC101732269	101732269	lncRNA	XR_004222309.1
## 4067	LOC101732269	101732269	lncRNA	XR_004222310.1
## 4068	LOC116410347	116410347	lncRNA	XR_004222311.1
## 4069	LOC108647425	108647425	lncRNA	XR_001924439.2
## 4070	trnat-ugu	108647581	tRNA	
## 4071	trnat-ugu	108647582	tRNA	
## 4072	trnat-ugu	108647583	tRNA	
## 4073	trnat-ugu	108647584	tRNA	
## 4074	trnat-ugu	108647585	tRNA	
## 4075	LOC101731863	101731863	lncRNA	XR_001170706.3
## 4076	LOC116410350	116410350	lncRNA	XR_004222315.1
## 4077	LOC116410349	116410349	lncRNA	XR_004222314.1
## 4078	LOC116410348	116410348	lncRNA	XR_004222313.1
## 4079	LOC105947280	105947280	lncRNA	XR_004222312.1
## 4080	trnav-uac	108647586	tRNA	
## 4081	trnav-uac	108647509	tRNA	
## 4082	trnav-uac	108647510	tRNA	
## 4083	LOC116410351	116410351	lncRNA	XR_004222316.1
## 4084	trnav-uac	108647512	tRNA	
## 4085	trnav-uac	108647514	tRNA	
## 4086	trnai-uau	108647515	tRNA	
## 4087	trnav-uac	108647516	tRNA	
## 4088	trnaw-cca	108647517	tRNA	
## 4089	trnav-cac	108647587	tRNA	
## 4090	trnat-ugu	108647518	tRNA	
## 4091	trnas-uga	108647588	tRNA	
## 4092	trnat-agu	108647519	tRNA	
## 4093	trnaa-cgc	108647590	tRNA	

## 4094	trnaa-ugc	108647591	tRNA	
## 4095	trnat-agu	108647520	tRNA	
## 4096	trnaa-ugc	108647592	tRNA	
## 4097	trnat-ugu	108647521	tRNA	
## 4098	trnaw-cca	108647522	tRNA	
## 4099	trnaa-ugc	108647593	tRNA	
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## 4101	trnaw-cca	116410719	tRNA	
## 4102	trnaw-cca	108645730	tRNA	
## 4103	trnaw-cca	108645731	tRNA	
## 4104	trnaw-cca	108647523	tRNA	
## 4105	trnaq-uug	108647475	tRNA	
## 4106	trnat-ugu	108647525	tRNA	
## 4107	trnaw-cca	108647526	tRNA	
## 4108	trnat-agu	108647527	tRNA	
## 4109	LOC116410494	116410494	pseudogene	
## 4110	LOC116410352	116410352	lncRNA	XR_004222317.1
## 4111	mir210	100886816	miRNA	NR_049608.1
## 4112	LOC116410353	116410353	lncRNA	XR_004222318.1
## 4113	LOC116410684	116410684	pseudogene	
## 4114	LOC116410356	116410356	lncRNA	XR_004222322.1
## 4115	LOC116410354	116410354	lncRNA	XR_004222319.1
## 4116	LOC116410354	116410354	lncRNA	XR_004222320.1
## 4117	LOC116410355	116410355	lncRNA	XR_004222321.1
## 4118	LOC116410358	116410358	lncRNA	XR_004222323.1
## 4119	LOC100492571	100492571	lncRNA	XR_209135.1
## 4120	LOC105945466	105945466	lncRNA	XR_001169030.3
## 4121	LOC100486597	100486597	lncRNA	XR_001169043.3
## 4122	LOC116410671	116410671	snoRNA	XR_004222584.1
## 4123	LOC116410624	116410624	snoRNA	XR_004222539.1
## 4124	LOC116410623	116410623	snoRNA	XR_004222538.1
## 4125	LOC116410622	116410622	snoRNA	XR_004222537.1
## 4126	LOC116410633	116410633	snoRNA	XR_004222548.1
## 4127	LOC116410626	116410626	snoRNA	XR_004222541.1
## 4128	LOC116410621	116410621	snoRNA	XR_004222536.1
## 4129	LOC116410625	116410625	snoRNA	XR_004222540.1
## 4130	LOC116410627	116410627	snoRNA	XR_004222542.1
## 4131	eml3	100487274	protein-coding	XR_001924443.2
## 4132	LOC116410628	116410628	snoRNA	XR_004222543.1
## 4133	LOC116410637	116410637	snoRNA	XR_004222552.1
## 4134	LOC116410563	116410563	lncRNA	XR_004222480.1
## 4135	trnaq-cug	108647528	tRNA	
## 4136	trnaq-cug	108647529	tRNA	
## 4137	trnaq-uug	116410721	tRNA	
## 4138	trnai-aau	108647476	tRNA	
## 4139	trnaq-cug	116410722	tRNA	
## 4140	trnaq-cug	116410723	tRNA	
## 4141	trnaq-uug	116410724	tRNA	
## 4142	trnai-aau	116410779	tRNA	
## 4143	trnaq-cug	116410725	tRNA	
## 4144	trnaq-cug	116410726	tRNA	
## 4145	trnaq-uug	116410727	tRNA	
## 4146	trnai-aau	116410780	tRNA	
## 4147	trnaq-cug	116410728	tRNA	

## 4148	trnaq-cug	108647539	tRNA
## 4149	trnaq-uug	108647540	tRNA
## 4150	trnaq-cug	108647541	tRNA
## 4151	trnaq-cug	108647542	tRNA
## 4152	trnaq-uug	108647563	tRNA
## 4153	trnai-aau	116410781	tRNA
## 4154	trnaq-cug	108647562	tRNA
## 4155	trnaq-cug	116410730	tRNA
## 4156	trnaq-uug	116410731	tRNA
## 4157	trnai-aau	116410782	tRNA
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## 4159	trnaq-cug	116410733	tRNA
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## 4161	trnai-aau	108647507	tRNA
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## 4165	trnai-aau	116410783	tRNA
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## 4170	trnaq-cug	108647546	tRNA
## 4171	trnaq-cug	108647535	tRNA
## 4172	trnaq-uug	108647524	tRNA
## 4173	trnai-aau	108647504	tRNA
## 4174	trnaq-cug	116410736	tRNA
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## 4176	trnaq-uug	116410738	tRNA
## 4177	trnai-aau	116410784	tRNA
## 4178	trnaq-cug	116410739	tRNA
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## 4185	trnai-aau	116410786	tRNA
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## 4189	trnai-aau	116410787	tRNA
## 4190	trnaq-uug	116410748	tRNA
## 4191	trnaq-cug	116410749	tRNA
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## 4197	trnai-aau	108647477	tRNA
## 4198	trnaq-uug	108647533	tRNA
## 4199	trnaq-cug	108647532	tRNA
## 4200	trnaq-cug	108647531	tRNA
## 4201	trnaq-cug	116410752	tRNA

##	4202	trnaq-cug	116410753	tRNA	
##	4203	trnaq-uug	116410754	tRNA	
##	4204	trnai-aau	116410712	tRNA	
##	4205	trnaq-cug	116410755	tRNA	
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##	4208	trnai-aau	108647478	tRNA	
##	4209	trnaq-cug	108647538	tRNA	
##	4210	trnaq-cug	116410758	tRNA	
##	4211	trnaq-uug	116410760	tRNA	
##	4212	trnai-aau	116410713	tRNA	
##	4213	trnaq-cug	116410761	tRNA	
##	4214	trnaq-cug	116410762	tRNA	
##	4215	trnaq-uug	116410763	tRNA	
##	4216	trnai-aau	108647508	tRNA	
##	4217	trnaq-cug	116410764	tRNA	
##	4218	trnaq-cug	108647561	tRNA	
##	4219	trnaq-uug	116410765	tRNA	
##	4220	trnai-aau	116410714	tRNA	
##	4221	trnaq-cug	116410766	tRNA	
##	4222	trnaq-cug	108647558	tRNA	
##	4223	trnaq-uug	116410767	tRNA	
##	4224	trnai-aau	108647506	tRNA	
##	4225	trnaq-cug	116410768	tRNA	
##	4226	trnaq-cug	108647554	tRNA	
##	4227	trnaq-uug	116410769	tRNA	
##	4228	trnai-aau	116410715	tRNA	
##	4229	trnaq-cug	116410770	tRNA	
##	4230	trnaq-cug	116410771	tRNA	
##	4231	trnaq-uug	116410772	tRNA	
##	4232	trnai-aau	108647479	tRNA	
##	4233	trnaq-cug	116410773	tRNA	
##	4234	trnaq-cug	116410774	tRNA	
##	4235	trnaq-uug	116410775	tRNA	
##	4236	trnai-aau	116410716	tRNA	
##	4237	trnaa-agc	108647503	tRNA	
##	4238	trnaa-ugc	108647501	tRNA	
##	4239	trnaa-ugc	116410717	tRNA	
##	4240	trnaa-cgc	116410718	tRNA	
##	4241	trnal-cag	108647513	tRNA	
##	4242	trnal-caa	108647500	tRNA	
##	4243	trnal-cag	108647502	tRNA	
##	4244	trnaq-cug	108647491	tRNA	
##	4245	trnal-caa	108647499	tRNA	
##	4246	trnal-caa	108647498	tRNA	
##	4247	trnal-caa	108647497	tRNA	
##	4248	trnal-caa	108647496	tRNA	
##	4249	trnal-caa	108647495	tRNA	
##	4250	trnaq-uug	108647494	tRNA	
##	4251	trnad-guc	108647480	tRNA	
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##	4253	LOC101732770	101732770	lncRNA	XR_208543.4
##	4254	LOC116410362	116410362	lncRNA	XR_004222325.1
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##	4256	LOC100485199	100485199	protein-coding	XR_001170709.3
##	4257	LOC101733257	101733257	lncRNA	XR_208545.4
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##	4259	trnaa-cgc	108647489	tRNA	
##	4260	trnat-ugu	108647492	tRNA	
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##	4262	LOC116410367	116410367	lncRNA	XR_004222329.1
##	4263	LOC116410367	116410367	lncRNA	XR_004222330.1
##	4264	LOC116410366	116410366	lncRNA	XR_004222327.1
##	4265	LOC116410366	116410366	lncRNA	XR_004222328.1
##	4266	xbg105947229	105947229	lncRNA	XR_001924445.2
##	4267	LOC105947228	105947228	lncRNA	XR_001170646.3
##	4268	LOC105947227	105947227	lncRNA	XR_001170644.3
##	4269	LOC105947227	105947227	lncRNA	XR_004222331.1
##	4270	LOC116410553	116410553	lncRNA	XR_004222470.1
##	4271	LOC101731264	101731264	lncRNA	XR_208505.4
##	4272	LOC101731219	101731219	lncRNA	XR_208504.4
##	4273	dpep2	100487272	protein-coding	XR_004222332.1
##	4274	LOC116410368	116410368	lncRNA	XR_004222333.1
##	4275	LOC101731526	101731526	lncRNA	XR_001924448.2
##	4276	LOC101731526	101731526	lncRNA	XR_004222334.1
##	4277	LOC116410369	116410369	lncRNA	XR_004222335.1
##	4278	znf423	100491000	protein-coding	XR_208509.4
##	4279	LOC116410495	116410495	pseudogene	
##	4280	LOC105947239	105947239	lncRNA	XR_001170658.3
##	4281	LOC108647434	108647434	lncRNA	XR_001924453.2
##	4282	LOC108647434	108647434	lncRNA	XR_004222336.1
##	4283	LOC116410662	116410662	pseudogene	
##	4284	LOC116410374	116410374	lncRNA	XR_004222339.1
##	4285	LOC116410496	116410496	pseudogene	
##	4286	LOC105945554	105945554	lncRNA	XR_004222340.1
##	4287	LOC116410373	116410373	lncRNA	XR_004222337.1
##	4288	LOC116410373	116410373	lncRNA	XR_004222338.1
##	4289	LOC105945696	105945696	lncRNA	XR_001169277.2
##	4290	LOC101733854	101733854	misc_RNA	XR_004222341.1
##	4291	LOC108644508	108644508	pseudogene	
##	4292	LOC116410550	116410550	lncRNA	XR_004222467.1
##	4293	LOC116410550	116410550	lncRNA	XR_004222468.1
##	4294	LOC116406498	116406498	lncRNA	XR_004222342.1
##	4295	LOC116406498	116406498	lncRNA	XR_004222343.1
##	4296	LOC100487280	100487280	lncRNA	XR_004222344.1
##	4297	LOC116410378	116410378	lncRNA	XR_004222345.1
##	4298	LOC116406480	116406480	lncRNA	XR_004222346.1
##	4299	LOC116410551	116410551	lncRNA	XR_004222469.1
##	4300	LOC116410383	116410383	lncRNA	XR_004222348.1
##	4301	LOC116410497	116410497	pseudogene	
##	4302	LOC101731451	101731451	lncRNA	XR_001170642.2
##	4303	LOC105945484	105945484	lncRNA	XR_001169050.3
##	4304	LOC116410673	116410673	pseudogene	
##	4305	LOC105947224	105947224	lncRNA	XR_001170641.3
##	4306	LOC116410390	116410390	lncRNA	XR_004222349.1
##	4307	LOC116410392	116410392	lncRNA	XR_004222350.1
##	4308	LOC116410554	116410554	lncRNA	XR_004222471.1
##	4309	LOC116410555	116410555	lncRNA	XR_004222472.1

##	4310	LOC116410556	116410556	lncRNA	XR_004222473.1
##	4311	LOC116410557	116410557	lncRNA	XR_004222474.1
##	4312	LOC105947231	105947231	lncRNA	XR_004222351.1
##	4313	LOC105947231	105947231	lncRNA	XR_004222352.1
##	4314	LOC105947232	105947232	lncRNA	XR_004222475.1
##	4315	LOC116410393	116410393	lncRNA	XR_004222353.1
##	4316	LOC116410547	116410547	pseudogene	
##	4317	LOC108647443	108647443	lncRNA	XR_001924468.2
##	4318	LOC116410395	116410395	lncRNA	XR_004222354.1
##	4319	LOC116410558	116410558	lncRNA	XR_004222476.1
##	4320	LOC116410306	116410306	lncRNA	XR_004222266.1
##	4321	LOC116410565	116410565	lncRNA	XR_004222482.1
##	4322	LOC116410397	116410397	lncRNA	XR_004222356.1
##	4323	LOC116410397	116410397	lncRNA	XR_004222357.1
##	4324	LOC116410397	116410397	lncRNA	XR_004222358.1
##	4325	LOC116410397	116410397	lncRNA	XR_004222359.1
##	4326	LOC116410398	116410398	lncRNA	XR_004222360.1
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##	4328	acsf3	100158470	protein-coding	XR_004222171.1
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##	4330	LOC100489253	100489253	protein-coding	XR_004222361.1
##	4331	LOC116410654	116410654	snoRNA	XR_004222568.1
##	4332	LOC116410656	116410656	snoRNA	XR_004222570.1
##	4333	LOC116410655	116410655	snoRNA	XR_004222569.1
##	4334	LOC116410663	116410663	snoRNA	XR_004222576.1
##	4335	fanca	100380079	protein-coding	XR_004222362.1
##	4336	LOC108647446	108647446	lncRNA	XR_004222363.1
##	4337	LOC116410560	116410560	lncRNA	XR_004222478.1
##	4338	LOC116410561	116410561	lncRNA	XR_004222479.1
##	4339	LOC105947112	105947112	lncRNA	XR_001170516.3
##	4340	LOC105947251	105947251	lncRNA	XR_001170681.3
##	4341	LOC116410400	116410400	lncRNA	XR_004222364.1
##	4342	LOC105947250	105947250	lncRNA	XR_001170680.3
##	4343	LOC105947250	105947250	lncRNA	XR_004222365.1
##	4344	mir140	100886931	miRNA	NR_049585.1
##	4345	LOC116410401	116410401	lncRNA	XR_004222366.1
##	4346	LOC116410402	116410402	lncRNA	XR_004222367.1
##	4347	LOC116410403	116410403	lncRNA	XR_004222368.1
##	4348	LOC105947670	105947670	lncRNA	XR_001924472.2
##	4349	LOC116410404	116410404	lncRNA	XR_004222369.1
##	4350	LOC100495799	100495799	lncRNA	XR_208516.3
##	4351	LOC100495799	100495799	lncRNA	XR_208517.4
##	4352	LOC100495799	100495799	lncRNA	XR_004222370.1
##	4353	LOC101733208	101733208	lncRNA	XR_208515.4
##	4354	LOC116410620	116410620	snRNA	XR_004222535.1
##	4355	LOC108647449	108647449	lncRNA	XR_001924476.2
##	4356	trnam-cau	108647543	tRNA	
##	4357	zcchc14	100135199	protein-coding	XR_004222169.1
##	4358	LOC116410678	116410678	snRNA	XR_004222585.1
##	4359	LOC116410407	116410407	lncRNA	XR_004222371.1
##	4360	trnat-agu	108647474	tRNA	
##	4361	c19orf12	448278	protein-coding	XR_004222174.1
##	4362	LOC105945955	105945955	lncRNA	XR_001169502.3
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## 4364	LOC116410564	116410564	lncRNA	XR_004222481.1
## 4365	LOC116410410	116410410	lncRNA	XR_004222372.1
## 4366	LOC116410411	116410411	lncRNA	XR_004222373.1
## 4367	LOC116410413	116410413	lncRNA	XR_004222374.1
## 4368	trnag-gcc	116410776	tRNA	
## 4369	trnag-gcc	108647556	tRNA	
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## 4371	trnag-gcc	108647567	tRNA	
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## 4374	trnag-gcc	108647488	tRNA	
## 4375	LOC116410414	116410414	lncRNA	XR_004222375.1
## 4376	usb1	100145778	protein-coding	XR_004222170.1
## 4377	LOC100490462	100490462	lncRNA	XR_001170466.3
## 4378	col24a1	780330	protein-coding	XR_001924334.2
## 4379	LOC116410415	116410415	lncRNA	XR_004222376.1
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## 4381	LOC101731929	101731929	protein-coding	XR_004222378.1
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## 4386	tctex1d1	493200	protein-coding	XR_004222380.1
## 4387	LOC116410418	116410418	lncRNA	XR_004222381.1
## 4388	LOC116410418	116410418	lncRNA	XR_004222382.1
## 4389	mir101a-2	100886892	miRNA	NR_049647.1
## 4390	LOC105946991	105946991	lncRNA	XR_004222384.1
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## 4392	LOC116410419	116410419	lncRNA	XR_004222385.1
## 4393	LOC105946992	105946992	lncRNA	XR_001170442.3
## 4394	LOC108647362	108647362	lncRNA	XR_001924358.2
## 4395	LOC108647362	108647362	lncRNA	XR_004222178.1
## 4396	LOC116410421	116410421	lncRNA	XR_004222386.1
## 4397	LOC116410215	116410215	lncRNA	XR_004222179.1
## 4398	mir27c-1	100886961	miRNA	NR_049660.1
## 4399	mir23a-2	100886786	miRNA	NR_049550.1
## 4400	LOC105946996	105946996	lncRNA	XR_004222387.1
## 4401	LOC116410423	116410423	lncRNA	XR_004222388.1
## 4402	LOC116410657	116410657	snoRNA	XR_004222571.1
## 4403	LOC116410424	116410424	lncRNA	XR_004222389.1
## 4404	LOC116410638	116410638	snoRNA	XR_004222553.1
## 4405	LOC116410636	116410636	snoRNA	XR_004222551.1
## 4406	LOC116410641	116410641	snoRNA	XR_004222555.1
## 4407	LOC116410642	116410642	snoRNA	XR_004222556.1
## 4408	LOC116410639	116410639	snoRNA	XR_004222554.1
## 4409	LOC116410635	116410635	snoRNA	XR_004222550.1
## 4410	LOC116410658	116410658	snoRNA	XR_004222572.1
## 4411	LOC116410643	116410643	snoRNA	XR_004222557.1
## 4412	LOC116410644	116410644	snoRNA	XR_004222558.1
## 4413	LOC116410616	116410616	snRNA	XR_004222531.1
## 4414	LOC116410685	116410685	snRNA	XR_004222588.1
## 4415	LOC116410687	116410687	snRNA	XR_004222590.1
## 4416	LOC116410619	116410619	snRNA	XR_004222534.1
## 4417	LOC116410613	116410613	snRNA	XR_004222528.1

## 4418	LOC116410611	116410611	snRNA	XR_004222526.1
## 4419	LOC116410615	116410615	snRNA	XR_004222530.1
## 4420	LOC116410688	116410688	snRNA	XR_004222591.1
## 4421	LOC116410612	116410612	snRNA	XR_004222527.1
## 4422	LOC116410689	116410689	snRNA	XR_004222592.1
## 4423	LOC116410690	116410690	snRNA	XR_004222593.1
## 4424	LOC116410691	116410691	snRNA	XR_004222594.1
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## 4426	LOC116410693	116410693	snRNA	XR_004222596.1
## 4427	LOC116410694	116410694	snRNA	XR_004222597.1
## 4428	LOC116410696	116410696	snRNA	XR_004222599.1
## 4429	LOC116410614	116410614	snRNA	XR_004222529.1
## 4430	LOC116410697	116410697	snRNA	XR_004222600.1
## 4431	LOC116410698	116410698	snRNA	XR_004222601.1
## 4432	LOC116410699	116410699	snRNA	XR_004222602.1
## 4433	LOC116410700	116410700	snRNA	XR_004222603.1
## 4434	LOC116410701	116410701	snRNA	XR_004222604.1
## 4435	LOC116410702	116410702	snRNA	XR_004222605.1
## 4436	LOC116410703	116410703	snRNA	XR_004222606.1
## 4437	LOC116410704	116410704	snRNA	XR_004222607.1
## 4438	LOC116410705	116410705	snRNA	XR_004222608.1
## 4439	LOC116410707	116410707	snRNA	XR_004222610.1
## 4440	LOC116410708	116410708	snRNA	XR_004222611.1
## 4441	LOC116410709	116410709	snRNA	XR_004222612.1
## 4442	LOC116410710	116410710	snRNA	XR_004222613.1
## 4443	LOC116410711	116410711	snRNA	XR_004222614.1
## 4444	LOC116410569	116410569	snRNA	XR_004222484.1
## 4445	LOC116410570	116410570	snRNA	XR_004222485.1
## 4446	LOC116410571	116410571	snRNA	XR_004222486.1
## 4447	LOC116410572	116410572	snRNA	XR_004222487.1
## 4448	LOC116410573	116410573	snRNA	XR_004222488.1
## 4449	LOC116410575	116410575	snRNA	XR_004222490.1
## 4450	LOC116410576	116410576	snRNA	XR_004222491.1
## 4451	LOC116410577	116410577	snRNA	XR_004222492.1
## 4452	LOC116410578	116410578	snRNA	XR_004222493.1
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## 4454	LOC116410580	116410580	snRNA	XR_004222495.1
## 4455	LOC116410581	116410581	snRNA	XR_004222496.1
## 4456	LOC116410582	116410582	snRNA	XR_004222497.1
## 4457	LOC116410583	116410583	snRNA	XR_004222498.1
## 4458	LOC116410584	116410584	snRNA	XR_004222499.1
## 4459	LOC116410586	116410586	snRNA	XR_004222501.1
## 4460	LOC116410587	116410587	snRNA	XR_004222502.1
## 4461	LOC116410588	116410588	snRNA	XR_004222503.1
## 4462	LOC116410589	116410589	snRNA	XR_004222504.1
## 4463	LOC116410590	116410590	snRNA	XR_004222505.1
## 4464	LOC116410591	116410591	snRNA	XR_004222506.1
## 4465	LOC116410592	116410592	snRNA	XR_004222507.1
## 4466	LOC116410593	116410593	snRNA	XR_004222508.1
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## 4468	LOC116410595	116410595	snRNA	XR_004222510.1
## 4469	LOC116410597	116410597	snRNA	XR_004222512.1
## 4470	LOC116410598	116410598	snRNA	XR_004222513.1
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##	4472	LOC116410600	116410600	snRNA	XR_004222515.1
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##	4474	LOC116410602	116410602	snRNA	XR_004222517.1
##	4475	LOC116410603	116410603	snRNA	XR_004222518.1
##	4476	LOC116410604	116410604	snRNA	XR_004222519.1
##	4477	LOC116410605	116410605	snRNA	XR_004222520.1
##	4478	LOC116410606	116410606	snRNA	XR_004222521.1
##	4479	LOC116410608	116410608	snRNA	XR_004222523.1
##	4480	LOC116410617	116410617	snRNA	XR_004222532.1
##	4481	LOC116410686	116410686	snRNA	XR_004222589.1
##	4482	LOC116410609	116410609	snRNA	XR_004222524.1
##	4483	LOC116410610	116410610	snRNA	XR_004222525.1
##	4484	LOC116410640	116410640	pseudogene	
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##	4486	LOC116410426	116410426	lncRNA	XR_004222390.1
##	4487	LOC116410425	116410425	pseudogene	
##	4488	LOC116410427	116410427	lncRNA	XR_004222391.1
##	4489	LOC116410396	116410396	lncRNA	XR_004222355.1
##	4490	LOC101734422	101734422	lncRNA	XR_208576.4
##	4491	LOC116410681	116410681	pseudogene	
##	4492	LOC105947002	105947002	lncRNA	XR_004222392.1
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##	4494	LOC116410428	116410428	lncRNA	XR_004222394.1
##	4495	LOC116410428	116410428	lncRNA	XR_004222395.1
##	4496	LOC116410647	116410647	snoRNA	XR_004222561.1
##	4497	LOC116410634	116410634	snoRNA	XR_004222549.1
##	4498	LOC116410649	116410649	snoRNA	XR_004222563.1
##	4499	LOC116410664	116410664	snoRNA	XR_004222577.1
##	4500	LOC116410646	116410646	snoRNA	XR_004222560.1
##	4501	LOC116410666	116410666	snoRNA	XR_004222579.1
##	4502	LOC116410650	116410650	snoRNA	XR_004222564.1
##	4503	LOC116410648	116410648	snoRNA	XR_004222562.1
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##	4506	LOC105947150	105947150	lncRNA	XR_001170552.3
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##	4509	LOC105947007	105947007	lncRNA	XR_004222398.1
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##	4511	LOC105947285	105947285	lncRNA	XR_001170715.3
##	4512	LOC101734396	101734396	lncRNA	XR_208548.4
##	4513	LOC101734344	101734344	lncRNA	XR_208547.4
##	4514	LOC105947284	105947284	lncRNA	XR_001170713.3
##	4515	LOC105947287	105947287	lncRNA	XR_004222400.1
##	4516	LOC105947287	105947287	lncRNA	XR_004222401.1
##	4517	LOC116410382	116410382	lncRNA	XR_004222347.1
##	4518	LOC116410430	116410430	lncRNA	XR_004222402.1
##	4519	mir137-1	100886948	miRNA	NR_049678.1
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##	4521	LOC116410431	116410431	lncRNA	XR_004222403.1
##	4522	LOC105947290	105947290	lncRNA	XR_001170721.3
##	4523	LOC116410432	116410432	lncRNA	XR_004222404.1
##	4524	LOC116410433	116410433	lncRNA	XR_004222405.1
##	4525	LOC116410434	116410434	lncRNA	XR_004222406.1

## 4526	LOC116410217	116410217	lncRNA	XR_004222181.1
## 4527	LOC116410435	116410435	lncRNA	XR_004222407.1
## 4528	clca3p	100158554	pseudogene	
## 4529	LOC116410436	116410436	lncRNA	XR_004222408.1
## 4530	mir199a	100886814	miRNA	NR_049603.1
## 4531	mir214	100886888	miRNA	NR_049611.1
## 4532	LOC116410438	116410438	lncRNA	XR_004222409.1
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## 4534	trnag-ucc	108647483	tRNA	
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## 4536	LOC116410441	116410441	lncRNA	XR_004222411.1
## 4537	mir181b-1	100886886	miRNA	NR_049593.1
## 4538	mir181a-1	100886817	miRNA	NR_049609.1
## 4539	LOC116410651	116410651	pseudogene	
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## 4541	LOC116410444	116410444	lncRNA	XR_004222413.1
## 4542	LOC116410445	116410445	lncRNA	XR_004222414.1
## 4543	LOC116410445	116410445	lncRNA	XR_004222415.1
## 4544	LOC105946975	105946975	lncRNA	XR_004222416.1
## 4545	LOC105946975	105946975	lncRNA	XR_004222417.1
## 4546	LOC105946975	105946975	lncRNA	XR_004222418.1
## 4547	LOC100487502	100487502	lncRNA	XR_001170422.3
## 4548	LOC116410695	116410695	snRNA	XR_004222598.1
## 4549	LOC116410574	116410574	snRNA	XR_004222489.1
## 4550	LOC116410585	116410585	snRNA	XR_004222500.1
## 4551	LOC116410607	116410607	snRNA	XR_004222522.1
## 4552	LOC116410618	116410618	snRNA	XR_004222533.1
## 4553	LOC116410629	116410629	snRNA	XR_004222544.1
## 4554	LOC116410596	116410596	snRNA	XR_004222511.1
## 4555	LOC116410706	116410706	snRNA	XR_004222609.1
## 4556	LOC108647464	108647464	lncRNA	XR_001924497.2
## 4557	LOC116410632	116410632	snoRNA	XR_004222547.1
## 4558	LOC116410631	116410631	snoRNA	XR_004222546.1
## 4559	LOC116410630	116410630	snoRNA	XR_004222545.1
## 4560	LOC116410446	116410446	lncRNA	XR_004222419.1
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## 4562	LOC116410290	116410290	lncRNA	XR_004222242.1
## 4563	LOC116410448	116410448	lncRNA	XR_004222420.1
## 4564	LOC105947123	105947123	lncRNA	XR_001170525.3
## 4565	LOC105947125	105947125	lncRNA	XR_001170529.2
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## 4568	LOC116410451	116410451	lncRNA	XR_004222421.1
## 4569	mir33b	100886946	miRNA	NR_049667.1
## 4570	LOC116410665	116410665	snoRNA	XR_004222578.1
## 4571	LOC101731822	101731822	lncRNA	XR_004222422.1
## 4572	LOC116410453	116410453	lncRNA	XR_004222423.1
## 4573	LOC105946980	105946980	lncRNA	XR_001170426.3
## 4574	LOC105946981	105946981	lncRNA	XR_001924499.2
## 4575	LOC100145554	100145554	other	NM_001126985.1
## 4576	LOC108647466	108647466	lncRNA	XR_001924501.2
## 4577	LOC108647466	108647466	lncRNA	XR_004222425.1
## 4578	LOC116410668	116410668	snoRNA	XR_004222581.1
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##	4580	LOC116410238	116410238	lncRNA	XR_004222191.1
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##	4583	LOC105946041	105946041	lncRNA	XR_004222383.1
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##	4589	LOC116410459	116410459	lncRNA	XR_004222429.1
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##	4591	mirlet7g	100886829	miRNA	NR_049632.1
##	4592	LOC100493054	100493054	lncRNA	XR_208568.3
##	4593	LOC116410461	116410461	lncRNA	XR_004222430.1
##	4594	LOC116410510	116410510	protein-coding	XM_031901351.1
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##	4596	trnaq-cug	108647547	tRNA	
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##	4598	trnar-ccg	108647549	tRNA	
##	4599	trnar-ccg	108647550	tRNA	
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##	4603	LOC116410568	116410568	snRNA	XR_004222483.1
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##	4607	LOC116410467	116410467	lncRNA	XR_004222434.1
##	4608	LOC105947017	105947017	lncRNA	XR_004222435.1
##	4609	LOC116410469	116410469	lncRNA	XR_004222436.1
##	4610	LOC116410470	116410470	lncRNA	XR_004222437.1
##	4611	LOC116410471	116410471	lncRNA	XR_004222438.1
##	4612	LOC116410472	116410472	lncRNA	XR_004222439.1
##	4613	LOC116410676	116410676	pseudogene	
##	4614	LOC101735185	101735185	lncRNA	XR_004222440.1
##	4615	mir205b	100886815	miRNA	NR_049606.1
##	4616	trnan-guu	108647552	tRNA	
##	4617	trnaf-gaa	108647484	tRNA	
##	4618	LOC116410515	116410515	pseudogene	
##	4619	mir425	100886826	miRNA	NR_049626.1
##	4620	mir191	100886916	miRNA	NR_049685.1
##	4621	LOC105947016	105947016	lncRNA	XR_004222441.1
##	4622	LOC105947016	105947016	lncRNA	XR_004222442.1
##	4623	LOC116410679	116410679	pseudogene	
##	4624	tada3	493402	protein-coding	XR_001170409.1
##	4625	lhfp14	100125066	protein-coding	XR_004222168.1
##	4626	LOC116410278	116410278	lncRNA	XR_004222233.1
##	4627	LOC116410302	116410302	lncRNA	XR_004222261.1
##	4628	LOC116410279	116410279	lncRNA	XR_004222234.1
##	4629	gxylt2	100486141	protein-coding	XR_208592.4
##	4630	LOC116410476	116410476	lncRNA	XR_004222443.1
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##	4632	adamts9	493280	protein-coding	NR_164664.1
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## 4634	LOC116410283	116410283	lncRNA	XR_004222238.1
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## 4636	LOC116410284	116410284	lncRNA	XR_004222239.1
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## 4638	LOC116410479	116410479	lncRNA	XR_004222446.1
## 4639	LOC100497741	100497741	lncRNA	XR_001170492.3
## 4640	LOC100497741	100497741	lncRNA	XR_001170494.3
## 4641	LOC116410480	116410480	lncRNA	XR_004222447.1
## 4642	LOC105947034	105947034	lncRNA	XR_001923521.2
## 4643	LOC116410482	116410482	lncRNA	XR_004222448.1
## 4644	LOC116410484	116410484	lncRNA	XR_004222449.1
## 4645	mirlet7e-1	100886913	miRNA	NR_049651.1
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## 4647	LOC116410667	116410667	snRNA	XR_004222580.1
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## 4659	LOC116411309	116411309	rRNA	XR_004223057.1
## 4660	LOC116411320	116411320	rRNA	XR_004223068.1
## 4661	LOC116411131	116411131	rRNA	XR_004222886.1
## 4662	LOC116411142	116411142	rRNA	XR_004222897.1
## 4663	LOC116411153	116411153	rRNA	XR_004222908.1
## 4664	LOC116411164	116411164	rRNA	XR_004222919.1
## 4665	LOC116411175	116411175	rRNA	XR_004222930.1
## 4666	LOC116411186	116411186	rRNA	XR_004222941.1
## 4667	LOC116411197	116411197	rRNA	XR_004222952.1
## 4668	LOC116411208	116411208	rRNA	XR_004222963.1
## 4669	LOC116411219	116411219	rRNA	XR_004222974.1
## 4670	LOC116411230	116411230	rRNA	XR_004222985.1
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## 4676	LOC116411280	116411280	rRNA	XR_004223028.1
## 4677	LOC116411291	116411291	rRNA	XR_004223039.1
## 4678	LOC116411294	116411294	rRNA	XR_004223042.1
## 4679	LOC116411295	116411295	rRNA	XR_004223043.1
## 4680	LOC116411296	116411296	rRNA	XR_004223044.1
## 4681	LOC116411297	116411297	rRNA	XR_004223045.1
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## 4683	LOC116411300	116411300	rRNA	XR_004223048.1
## 4684	LOC116411301	116411301	rRNA	XR_004223049.1
## 4685	LOC116411302	116411302	rRNA	XR_004223050.1
## 4686	LOC116411303	116411303	rRNA	XR_004223051.1
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## 4690	LOC116411307	116411307	rRNA	XR_004223055.1
## 4691	LOC116411308	116411308	rRNA	XR_004223056.1
## 4692	LOC116411310	116411310	rRNA	XR_004223058.1
## 4693	LOC116411311	116411311	rRNA	XR_004223059.1
## 4694	LOC116411312	116411312	rRNA	XR_004223060.1
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## 4696	LOC116411314	116411314	rRNA	XR_004223062.1
## 4697	LOC116411315	116411315	rRNA	XR_004223063.1
## 4698	LOC116411316	116411316	rRNA	XR_004223064.1
## 4699	LOC116411317	116411317	rRNA	XR_004223065.1
## 4700	LOC116411318	116411318	rRNA	XR_004223066.1
## 4701	LOC116411319	116411319	rRNA	XR_004223067.1
## 4702	LOC116411321	116411321	rRNA	XR_004223069.1
## 4703	LOC116411322	116411322	rRNA	XR_004223070.1
## 4704	LOC116411323	116411323	rRNA	XR_004223071.1
## 4705	LOC116411324	116411324	rRNA	XR_004223072.1
## 4706	LOC116411325	116411325	rRNA	XR_004223073.1
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## 4708	LOC116411127	116411127	rRNA	XR_004222882.1
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## 4712	LOC116411132	116411132	rRNA	XR_004222887.1
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## 4718	LOC116411138	116411138	rRNA	XR_004222893.1
## 4719	LOC116411139	116411139	rRNA	XR_004222894.1
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## 4725	LOC116411146	116411146	rRNA	XR_004222901.1
## 4726	LOC116411147	116411147	rRNA	XR_004222902.1
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## 4728	LOC116411247	116411247	rRNA	XR_004223002.1
## 4729	LOC116411149	116411149	rRNA	XR_004222904.1
## 4730	LOC116411150	116411150	rRNA	XR_004222905.1
## 4731	LOC116411155	116411155	rRNA	XR_004222910.1
## 4732	LOC116411248	116411248	rRNA	XR_004223003.1
## 4733	LOC116411151	116411151	rRNA	XR_004222906.1
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## 4736	LOC116411157	116411157	rRNA	XR_004222912.1
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## 4738	LOC116411159	116411159	rRNA	XR_004222914.1
## 4739	LOC116411160	116411160	rRNA	XR_004222915.1
## 4740	LOC116411161	116411161	rRNA	XR_004222916.1
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## 4742	LOC116411163	116411163	rRNA	XR_004222918.1
## 4743	LOC116411165	116411165	rRNA	XR_004222920.1
## 4744	LOC116411166	116411166	rRNA	XR_004222921.1
## 4745	LOC116411167	116411167	rRNA	XR_004222922.1
## 4746	LOC116411168	116411168	rRNA	XR_004222923.1
## 4747	LOC116411169	116411169	rRNA	XR_004222924.1
## 4748	LOC116411170	116411170	rRNA	XR_004222925.1
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## 4752	LOC116411174	116411174	rRNA	XR_004222929.1
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## 4757	LOC116411180	116411180	rRNA	XR_004222935.1
## 4758	LOC116411181	116411181	rRNA	XR_004222936.1
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## 4771	LOC116411195	116411195	rRNA	XR_004222950.1
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## 4791	LOC116411217	116411217	rRNA	XR_004222972.1
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## 4793	LOC116411220	116411220	rRNA	XR_004222975.1
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## 4796	LOC116411223	116411223	rRNA	XR_004222978.1
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## 4892	LOC116410932	116410932	lncRNA	XR_004222763.1
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## 4902	LOC116411098	116411098	lncRNA	XR_004222842.1
## 4903	LOC116410914	116410914	lncRNA	XR_004222750.1

## 4904 LOC116410915	116410915	lncRNA	XR_004222751.1
## 4905 LOC105947013	105947013	lncRNA	XR_001170475.3
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## 4907 LOC116411119	116411119	lncRNA	XR_004222872.1
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## 4946 trnac-gca	108647806	tRNA	
## 4947 trnac-gca	116411441	tRNA	
## 4948 trnac-gca	116411442	tRNA	
## 4949 trnac-gca	108645413	tRNA	
## 4950 trnac-gca	116411341	tRNA	
## 4951 trnac-gca	108647807	tRNA	
## 4952 trnar-gcg	108647739	tRNA	
## 4953 trnac-gca	108647741	tRNA	
## 4954 trnac-gca	108647809	tRNA	
## 4955 LOC116410799	116410799	lncRNA	XR_004222637.1
## 4956 LOC105947331	105947331	pseudogene	
## 4957 LOC101730973	101730973	pseudogene	

##	4958	LOC108647651	108647651	lncRNA	XR_001924576.2
##	4959	LOC108647651	108647651	lncRNA	XR_004222811.1
##	4960	LOC108647651	108647651	lncRNA	XR_004222812.1
##	4961	LOC105947455	105947455	lncRNA	XR_001170909.3
##	4962	LOC116410855	116410855	lncRNA	XR_004222694.1
##	4963	LOC116410928	116410928	lncRNA	XR_004222760.1
##	4964	LOC105947452	105947452	lncRNA	XR_001924578.2
##	4965	LOC105947452	105947452	lncRNA	XR_004222855.1
##	4966	LOC105947452	105947452	lncRNA	XR_004222856.1
##	4967	LOC105947452	105947452	lncRNA	XR_004222857.1
##	4968	LOC101732612	101732612	lncRNA	XR_208658.2
##	4969	LOC101732612	101732612	lncRNA	XR_004222854.1
##	4970	LOC105947449	105947449	lncRNA	XR_001170899.3
##	4971	LOC101730233	101730233	pseudogene	
##	4972	LOC101735256	101735256	pseudogene	
##	4973	LOC101735088	101735088	pseudogene	
##	4974	LOC101734968	101734968	pseudogene	
##	4975	LOC100488922	100488922	pseudogene	
##	4976	LOC105947328	105947328	pseudogene	
##	4977	LOC108647595	108647595	pseudogene	
##	4978	LOC105947295	105947295	pseudogene	
##	4979	LOC116411066	116411066	lncRNA	XR_004222800.1
##	4980	LOC116410790	116410790	lncRNA	XR_004222633.1
##	4981	LOC116410842	116410842	lncRNA	XR_004222669.1
##	4982	LOC116411096	116411096	lncRNA	XR_004222839.1
##	4983	LOC116411096	116411096	lncRNA	XR_004222840.1
##	4984	LOC116410906	116410906	lncRNA	XR_004222727.1
##	4985	LOC116410905	116410905	lncRNA	XR_004222726.1
##	4986	LOC116410888	116410888	lncRNA	XR_004222711.1
##	4987	LOC116411108	116411108	lncRNA	XR_004222853.1
##	4988	LOC105947326	105947326	lncRNA	XR_001924533.2
##	4989	LOC116410803	116410803	lncRNA	XR_004222642.1
##	4990	LOC116410856	116410856	lncRNA	XR_004222697.1
##	4991	LOC101734623	101734623	lncRNA	XR_208655.2
##	4992	LOC116410946	116410946	lncRNA	XR_004222778.1
##	4993	LOC108647655	108647655	lncRNA	XR_001924588.2
##	4994	LOC116410808	116410808	lncRNA	XR_004222646.1
##	4995	rpl34p	448684	pseudogene	
##	4996	mir216	100886909	miRNA	NR_049613.1
##	4997	mir217	100886819	miRNA	NR_049614.1
##	4998	LOC116410807	116410807	lncRNA	XR_004222644.1
##	4999	LOC116411077	116411077	lncRNA	XR_004222817.1
##	5000	LOC116411077	116411077	lncRNA	XR_004222818.1
##	5001	LOC116411076	116411076	lncRNA	XR_004222815.1
##	5002	LOC116411076	116411076	lncRNA	XR_004222816.1
##	5003	LOC101734533	101734533	pseudogene	
##	5004	LOC105947360	105947360	lncRNA	XR_001170757.3
##	5005	LOC116410883	116410883	lncRNA	XR_004222707.1
##	5006	LOC105945673	105945673	lncRNA	XR_001169253.3
##	5007	LOC105945673	105945673	lncRNA	XR_001923535.2
##	5008	LOC105947441	105947441	lncRNA	XR_001170889.3
##	5009	LOC105947441	105947441	lncRNA	XR_001923739.2
##	5010	LOC100497923	100497923	transcribed_pseudogene	XR_004222672.1
##	5011	LOC116410847	116410847	lncRNA	XR_004222677.1

##	5012	LOC116410845	116410845	pseudogene	
##	5013	LOC101731568	101731568	lncRNA	XR_004222674.1
##	5014	LOC101731568	101731568	lncRNA	XR_004222675.1
##	5015	LOC116410846	116410846	transcribed_pseudogene	XR_004222673.1
##	5016	LOC101731856	101731856	lncRNA	XR_001169254.3
##	5017	LOC101731856	101731856	lncRNA	XR_004222676.1
##	5018	LOC116411103	116411103	lncRNA	XR_004222848.1
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##	5021	LOC101730793	101730793	lncRNA	XR_004222695.1
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##	5023	mtln	100379723	lncRNA	XR_097779.5
##	5024	heatr1	100145567	misc_RNA	XR_001170885.3
##	5025	LOC108647666	108647666	lncRNA	XR_001924602.2
##	5026	LOC101734088	101734088	protein-coding	XR_004222769.1
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##	5029	LOC116411278	116411278	snoRNA	XR_004223026.1
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##	5031	ttl12	100497970	protein-coding	XR_001170878.3
##	5032	trnal-uaa	108647810	tRNA	
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##	5035	trnal-uaa	108647743	tRNA	
##	5036	LOC105947438	105947438	lncRNA	XR_001170879.3
##	5037	LOC116410890	116410890	lncRNA	XR_004222714.1
##	5038	LOC116410879	116410879	lncRNA	XR_004222703.1
##	5039	LOC100488249	100488249	pseudogene	
##	5040	LOC105947436	105947436	lncRNA	XR_004222722.1
##	5041	LOC101732544	101732544	lncRNA	XR_208645.4
##	5042	LOC101732544	101732544	lncRNA	XR_004222820.1
##	5043	LOC101732544	101732544	lncRNA	XR_004222821.1
##	5044	LOC101732544	101732544	lncRNA	XR_004222822.1
##	5045	LOC101732544	101732544	lncRNA	XR_004222823.1
##	5046	LOC116410908	116410908	lncRNA	XR_004222728.1
##	5047	LOC116410908	116410908	lncRNA	XR_004222729.1
##	5048	LOC116410908	116410908	lncRNA	XR_004222730.1
##	5049	LOC116410908	116410908	lncRNA	XR_004222731.1
##	5050	LOC116410908	116410908	lncRNA	XR_004222732.1
##	5051	LOC116410908	116410908	lncRNA	XR_004222733.1
##	5052	LOC116410908	116410908	lncRNA	XR_004222734.1
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##	5054	LOC116410908	116410908	lncRNA	XR_004222736.1
##	5055	LOC116410908	116410908	lncRNA	XR_004222737.1
##	5056	LOC116410908	116410908	lncRNA	XR_004222738.1
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##	5058	LOC116410908	116410908	lncRNA	XR_004222740.1
##	5059	LOC116410908	116410908	lncRNA	XR_004222741.1
##	5060	LOC116410908	116410908	lncRNA	XR_004222742.1
##	5061	LOC116410908	116410908	lncRNA	XR_004222743.1
##	5062	LOC116410908	116410908	lncRNA	XR_004222744.1
##	5063	LOC116410908	116410908	lncRNA	XR_004222745.1
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## 5066	fam120b	100145290	protein-coding	XR_004222623.1
## 5067	LOC105947431	105947431	lncRNA	XR_001170862.2
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## 5069	scaf8	100101752	protein-coding	XR_208642.3
## 5070	scaf8	100101752	protein-coding	XR_004222837.1
## 5071	scaf8	100101752	protein-coding	XR_004222838.1
## 5072	LOC116411073	116411073	lncRNA	XR_004222809.1
## 5073	LOC116411073	116411073	lncRNA	XR_004222810.1
## 5074	LOC108647668	108647668	lncRNA	XR_004222829.1
## 5075	bclaf1	100144743	protein-coding	XR_001170733.2
## 5076	bclaf1	100144743	protein-coding	XR_001924520.1
## 5077	bclaf1	100144743	protein-coding	XR_004222621.1
## 5078	map3k5	100497692	protein-coding	XR_001170871.3
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## 5080	LOC116410851	116410851	lncRNA	XR_004222689.1
## 5081	LOC116410857	116410857	lncRNA	XR_004222698.1
## 5082	LOC108647671	108647671	lncRNA	XR_001924610.2
## 5083	LOC108647627	108647627	lncRNA	XR_001924539.2
## 5084	LOC105945991	105945991	lncRNA	XR_001169543.3
## 5085	LOC105946457	105946457	lncRNA	XR_001169845.3
## 5086	LOC116410895	116410895	lncRNA	XR_004222716.1
## 5087	LOC116410841	116410841	lncRNA	XR_004222668.1
## 5088	LOC116411105	116411105	lncRNA	XR_004222850.1
## 5089	smim28	105947422	protein-coding	XR_001170853.3
## 5090	LOC108647628	108647628	lncRNA	XR_001924540.2
## 5091	LOC116410965	116410965	pseudogene	
## 5092	LOC100488210	100488210	protein-coding	XR_001170852.3
## 5093	LOC100488210	100488210	protein-coding	XR_004222701.1
## 5094	LOC100488210	100488210	protein-coding	XR_004222702.1
## 5095	LOC101731866	101731866	pseudogene	
## 5096	heca	100038125	protein-coding	XR_004222615.1
## 5097	LOC105947420	105947420	lncRNA	XR_004222761.1
## 5098	LOC101731496	101731496	lncRNA	XR_208640.4
## 5099	LOC105947419	105947419	lncRNA	XR_001170848.3
## 5100	LOC105947419	105947419	lncRNA	XR_001924542.2
## 5101	LOC105947419	105947419	lncRNA	XR_004222715.1
## 5102	LOC116411059	116411059	lncRNA	XR_004222795.1
## 5103	aig1	100101730	protein-coding	XR_004222616.1
## 5104	nkain2	100487100	protein-coding	XR_004222782.1
## 5105	LOC105947410	105947410	protein-coding	XR_004222779.1
## 5106	LOC116410848	116410848	lncRNA	XR_004222678.1
## 5107	LOC101730475	101730475	lncRNA	XR_208637.4
## 5108	LOC116410904	116410904	lncRNA	XR_004222725.1
## 5109	akap7.2	100496426	protein-coding	XR_004222625.1
## 5110	LOC116410801	116410801	lncRNA	XR_004222640.1
## 5111	LOC116411270	116411270	snoRNA	XR_004223018.1
## 5112	LOC116411288	116411288	snoRNA	XR_004223036.1
## 5113	LOC116411287	116411287	snoRNA	XR_004223035.1
## 5114	LOC116411121	116411121	lncRNA	XR_004222876.1
## 5115	LOC101731978	101731978	lncRNA	XR_001924614.2
## 5116	LOC101731978	101731978	lncRNA	XR_004222704.1
## 5117	pln	100379739	protein-coding	XR_001170836.3
## 5118	LOC105947413	105947413	lncRNA	XR_004222806.1
## 5119	LOC105947413	105947413	lncRNA	XR_004222807.1

## 5120 LOC105947413 105947413	lncRNA	XR_004222808.1
## 5121 LOC101733862 101733862	pseudogene	
## 5122 LOC116410968 116410968	pseudogene	
## 5123 LOC100487057 100487057	lncRNA	XR_001170835.3
## 5124 LOC100487057 100487057	lncRNA	XR_001924615.2
## 5125 LOC116410839 116410839	lncRNA	XR_004222666.1
## 5126 LOC116410835 116410835	lncRNA	XR_004222663.1
## 5127 LOC116410889 116410889	lncRNA	XR_004222712.1
## 5128 LOC116410854 116410854	lncRNA	XR_004222692.1
## 5129 LOC116411254 116411254	pseudogene	
## 5130 LOC108647608 108647608	pseudogene	
## 5131 LOC105947406 105947406	lncRNA	XR_001170833.3
## 5132 LOC116410938 116410938	lncRNA	XR_004222768.1
## 5133 LOC101734322 101734322	lncRNA	XR_208629.4
## 5134 LOC105947405 105947405	lncRNA	XR_001170831.3
## 5135 LOC101734212 101734212	lncRNA	XR_001170830.3
## 5136 LOC100490489 100490489	lncRNA	XR_001170829.3
## 5137 LOC116411060 116411060	lncRNA	XR_004222796.1
## 5138 LOC116410970 116410970	pseudogene	
## 5139 LOC105947401 105947401	lncRNA	XR_001170823.2
## 5140 LOC116411085 116411085	lncRNA	XR_004222828.1
## 5141 LOC108647678 108647678	lncRNA	XR_004222830.1
## 5142 LOC108647678 108647678	lncRNA	XR_004222831.1
## 5143 LOC108647678 108647678	lncRNA	XR_004222832.1
## 5144 LOC108647678 108647678	lncRNA	XR_004222833.1
## 5145 LOC116410853 116410853	lncRNA	XR_004222691.1
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## 5148 trnaa-cgc 108647813	tRNA	
## 5149 LOC116410884 116410884	lncRNA	XR_004222709.1
## 5150 LOC116410933 116410933	lncRNA	XR_004222764.1
## 5151 mir30a 100886882	miRNA	NR_049557.1
## 5152 mir30c-2 100886846	miRNA	NR_049663.1
## 5153 LOC101734007 101734007	lncRNA	XR_004222775.1
## 5154 LOC108647686 108647686	lncRNA	XR_001924633.2
## 5155 LOC108647685 108647685	lncRNA	XR_001924632.2
## 5156 LOC108647684 108647684	lncRNA	XR_001924631.2
## 5157 LOC108647684 108647684	lncRNA	XR_004222793.1
## 5158 LOC116411058 116411058	lncRNA	XR_004222794.1
## 5159 khdrbs2 779662	protein-coding	XR_001924529.2
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## 5163 LOC101733374 101733374	lncRNA	XR_004222826.1
## 5164 hmgcll1 100497263	protein-coding	XR_004222762.1
## 5165 LOC116410912 116410912	lncRNA	XR_004222749.1
## 5166 tmem14a 100496530	protein-coding	XR_208623.4
## 5167 mcph1 100038095	protein-coding	XR_001924513.2
## 5168 LOC105947377 105947377	lncRNA	XR_001170781.3
## 5169 iqcg 100379856	protein-coding	XR_004222814.1
## 5170 LOC116411271 116411271	snoRNA	XR_004223019.1
## 5171 LOC116411268 116411268	snoRNA	XR_004223016.1
## 5172 LOC116410916 116410916	lncRNA	XR_004222752.1
## 5173 LOC105947374 105947374	lncRNA	XR_001170774.3

## 5174	pde6d	101731303	misc_RNA	XR_001924641.2
## 5175	pde6d	101731303	misc_RNA	XR_001924642.2
## 5176	pde6d	101731303	misc_RNA	XR_001924644.2
## 5177	pde6d	101731303	misc_RNA	XR_004222679.1
## 5178	pde6d	101731303	misc_RNA	XR_004222680.1
## 5179	pde6d	101731303	misc_RNA	XR_004222681.1
## 5180	pde6d	101731303	misc_RNA	XR_004222682.1
## 5181	pde6d	101731303	misc_RNA	XR_004222683.1
## 5182	pde6d	101731303	misc_RNA	XR_004222684.1
## 5183	pde6d	101731303	misc_RNA	XR_004222685.1
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## 5185	pde6d	101731303	misc_RNA	XR_004222687.1
## 5186	LOC116411122	116411122	lncRNA	XR_004222878.1
## 5187	LOC105947375	105947375	lncRNA	XR_001170777.3
## 5188	chrng	100125132	protein-coding	XR_001924518.2
## 5189	LOC105947373	105947373	lncRNA	XR_001170772.3
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## 5194	LOC105947296	105947296	lncRNA	XR_004222693.1
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## 5196	LOC116411267	116411267	snoRNA	XR_004223015.1
## 5197	LOC116411266	116411266	snoRNA	XR_004223014.1
## 5198	LOC116411289	116411289	snoRNA	XR_004223037.1
## 5199	LOC116411293	116411293	snoRNA	XR_004223041.1
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## 5206	LOC116410869	116410869	lncRNA	XR_004222700.1
## 5207	LOC116411061	116411061	lncRNA	XR_004222797.1
## 5208	mir551b	114482655	miRNA	NR_161936.1
## 5209	wdr49	549615	protein-coding	XR_004222630.1
## 5210	LOC116410886	116410886	lncRNA	XR_004222710.1
## 5211	LOC116411290	116411290	other	XR_004223038.1
## 5212	mir16b	100886841	miRNA	NR_049654.1
## 5213	mir15b	100886923	miRNA	NR_049544.1
## 5214	LOC116410897	116410897	lncRNA	XR_004222718.1
## 5215	LOC116411113	116411113	lncRNA	XR_004222863.1
## 5216	LOC116411113	116411113	lncRNA	XR_004222864.1
## 5217	LOC101734642	101734642	misc_RNA	XR_004222862.1
## 5218	LOC105947303	105947303	pseudogene	
## 5219	LOC116410891	116410891	pseudogene	
## 5220	LOC116410936	116410936	lncRNA	XR_004222766.1
## 5221	LOC101732751	101732751	lncRNA	XR_208616.4
## 5222	tsc22d2	100145344	protein-coding	XR_208618.4
## 5223	LOC116410984	116410984	pseudogene	
## 5224	LOC101732111	101732111	lncRNA	XR_004222801.1
## 5225	LOC108647695	108647695	lncRNA	XR_001924656.2
## 5226	LOC101732184	101732184	lncRNA	XR_208602.4
## 5227	LOC105947340	105947340	lncRNA	XR_001924551.1

##	5228	LOC116410943	116410943	lncRNA	XR_004222773.1
##	5229	LOC116410942	116410942	lncRNA	XR_004222772.1
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##	5231	LOC116410951	116410951	lncRNA	XR_004222780.1
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##	5233	hltf	394525	protein-coding	XR_004222717.1
##	5234	LOC105945392	105945392	lncRNA	XR_001168986.3
##	5235	LOC105945392	105945392	lncRNA	XR_001924664.2
##	5236	LOC105945392	105945392	lncRNA	XR_004222719.1
##	5237	LOC105948572	105948572	lncRNA	XR_001172009.3
##	5238	LOC101732582	101732582	lncRNA	XR_209021.4
##	5239	LOC101732582	101732582	lncRNA	XR_004222759.1
##	5240	LOC116410919	116410919	lncRNA	XR_004222753.1
##	5241	LOC116410920	116410920	lncRNA	XR_004222755.1
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##	5243	LOC116411281	116411281	other	XR_004223029.1
##	5244	LOC116411282	116411282	other	XR_004223030.1
##	5245	LOC116411072	116411072	lncRNA	XR_004222805.1
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##	5247	trnag-ccc	116411342	tRNA	
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##	5339	LOC105948565	105948565	lncRNA	XR_004222785.1
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##	5346	LOC116411260	116411260	snoRNA	XR_004223008.1
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##	5351	LOC116411264	116411264	snoRNA	XR_004223012.1
##	5352	LOC116411263	116411263	snoRNA	XR_004223011.1
##	5353	LOC105947346	105947346	lncRNA	XR_004222643.1
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##	5355	LOC108647704	108647704	lncRNA	XR_004222804.1
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##	5364	LOC116411283	116411283	other	XR_004223031.1
##	5365	LOC116411286	116411286	other	XR_004223034.1
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##	5369	LOC116411080	116411080	lncRNA	XR_004222824.1
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##	5383	LOC116411097	116411097	lncRNA	XR_004222841.1
##	5384	LOC100493754	100493754	misc_RNA	XR_004222844.1
##	5385	LOC116411104	116411104	lncRNA	XR_004222849.1
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##	5387	mir133b	100886963	miRNA	NR_049581.1
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## 5412 LOC116411009	116411009	protein-coding	XM_031902772.1
## 5413 LOC116411010	116411010	protein-coding	XM_031902773.1
## 5414 LOC105945307	105945307	protein-coding	XM_031902774.1
## 5415 LOC116410789	116410789	lncRNA	XR_004222632.1
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## 5422 LOC116411012	116411012	protein-coding	XM_031902777.1
## 5423 LOC116411013	116411013	protein-coding	XM_031902778.1
## 5424 LOC116411014	116411014	protein-coding	XM_031902779.1
## 5425 LOC116411015	116411015	protein-coding	XM_031902780.1
## 5426 LOC116411016	116411016	protein-coding	XM_031902781.1
## 5427 LOC116411017	116411017	protein-coding	XM_031902782.1
## 5428 LOC116411018	116411018	protein-coding	XM_031902783.1
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## 5434 LOC116411026	116411026	protein-coding	XM_031902792.1
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## 5440 LOC116411030	116411030	protein-coding	XM_031902797.1
## 5441 LOC116411031	116411031	protein-coding	XM_031902798.1
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## 5455 LOC116411039 116411039	protein-coding	XM_031902811.1
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##	5508	LOC105945513	105945513	lncRNA	XR_001169071.3
##	5509	LOC116411681	116411681	lncRNA	XR_004223280.1
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##	5548	LOC100498598	100498598	lncRNA	XR_001171160.2
##	5549	LOC101730929	101730929	pseudogene	
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## 5552 LOC108647839	108647839	lncRNA	XR_001924707.2
## 5553 LOC116411848	116411848	snoRNA	XR_004223396.1
## 5554 LOC116411832	116411832	snoRNA	XR_004223380.1
## 5555 LOC100216256	100216256	misc_RNA	XR_097889.4
## 5556 LOC105945605	105945605	protein-coding	XR_004223249.1
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## 5569 LOC116411846	116411846	snoRNA	XR_004223394.1
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## 5579 LOC101732461	101732461	lncRNA	XR_208741.4
## 5580 LOC116411564	116411564	lncRNA	XR_004223203.1
## 5581 LOC116411559	116411559	lncRNA	XR_004223201.1
## 5582 LOC105947704	105947704	lncRNA	XR_004223341.1
## 5583 LOC105947600	105947600	lncRNA	XR_004223329.1
## 5584 LOC116411767	116411767	lncRNA	XR_004223330.1
## 5585 LOC108647841	108647841	lncRNA	XR_004223240.1
## 5586 LOC116411468	116411468	lncRNA	XR_004223115.1
## 5587 LOC116411591	116411591	lncRNA	XR_004223230.1
## 5588 setd2	100492810	protein-coding	XR_004223147.1
## 5589 LOC116411502	116411502	lncRNA	XR_004223150.1
## 5590 LOC116411502	116411502	lncRNA	XR_004223151.1
## 5591 LOC116411839	116411839	snoRNA	XR_004223387.1
## 5592 LOC116411840	116411840	snoRNA	XR_004223388.1
## 5593 LOC116411842	116411842	snoRNA	XR_004223390.1
## 5594 LOC116411843	116411843	snoRNA	XR_004223391.1
## 5595 LOC116411841	116411841	snoRNA	XR_004223389.1
## 5596 LOC101730607	101730607	lncRNA	XR_208737.4
## 5597 LOC101730607	101730607	lncRNA	XR_001171150.3
## 5598 LOC116411473	116411473	lncRNA	XR_004223121.1
## 5599 LOC116411505	116411505	lncRNA	XR_004223155.1
## 5600 LOC116411497	116411497	lncRNA	XR_004223144.1
## 5601 trnae-cuc	108647938	tRNA	
## 5602 trnal-uaa	108647997	tRNA	
## 5603 ube3c	779973	protein-coding	XR_001924701.2
## 5604 ube3c	779973	protein-coding	XR_004223102.1
## 5605 mir153-2	100886857	miRNA	NR_049684.1

##	5606	LOC108647846	108647846	lncRNA	XR_004223165.1
##	5607	LOC105947699	105947699	lncRNA	XR_001171147.3
##	5608	LOC105947699	105947699	lncRNA	XR_001171148.3
##	5609	LOC108647848	108647848	lncRNA	XR_004223113.1
##	5610	LOC116411589	116411589	lncRNA	XR_004223226.1
##	5611	LOC116411547	116411547	lncRNA	XR_004223186.1
##	5612	LOC116411512	116411512	lncRNA	XR_004223158.1
##	5613	LOC105947696	105947696	lncRNA	XR_001171145.2
##	5614	LOC116411515	116411515	lncRNA	XR_004223159.1
##	5615	LOC116411501	116411501	lncRNA	XR_004223149.1
##	5616	kiaa1217	100496212	protein-coding	XR_001171144.3
##	5617	c10orf67	100496369	protein-coding	XR_001924728.2
##	5618	trnan-guu	108648008	tRNA	
##	5619	LOC116411730	116411730	lncRNA	XR_004223322.1
##	5620	LOC116411807	116411807	pseudogene	
##	5621	pter	100127841	protein-coding	XR_001170946.3
##	5622	pter	100127841	protein-coding	XR_004223079.1
##	5623	pter	100127841	protein-coding	XR_004223080.1
##	5624	pter	100127841	protein-coding	XR_004223081.1
##	5625	LOC116411682	116411682	pseudogene	
##	5626	LOC116411817	116411817	pseudogene	
##	5627	LOC116411466	116411466	lncRNA	XR_004223112.1
##	5628	mir489	100886939	miRNA	NR_049628.1
##	5629	LOC116411600	116411600	lncRNA	XR_004223237.1
##	5630	LOC116411696	116411696	lncRNA	XR_004223292.1
##	5631	LOC116411696	116411696	lncRNA	XR_004223293.1
##	5632	LOC116411696	116411696	lncRNA	XR_004223294.1
##	5633	casd1	100216199	protein-coding	XR_004223120.1
##	5634	LOC116411699	116411699	lncRNA	XR_004223296.1
##	5635	LOC116411678	116411678	lncRNA	XR_004223267.1
##	5636	LOC116411678	116411678	lncRNA	XR_004223268.1
##	5637	LOC116411694	116411694	lncRNA	XR_004223289.1
##	5638	LOC116411694	116411694	lncRNA	XR_004223290.1
##	5639	phf14	100216242	protein-coding	XR_001170949.3
##	5640	LOC116411802	116411802	rRNA	XR_004223368.1
##	5641	LOC108647894	108647894	lncRNA	XR_001924759.2
##	5642	sp8	100492429	protein-coding	XR_004223084.1
##	5643	LOC116411738	116411738	lncRNA	XR_004223327.1
##	5644	LOC116411738	116411738	lncRNA	XR_004223328.1
##	5645	LOC116411671	116411671	protein-coding	XR_004223262.1
##	5646	LOC101735220	101735220	protein-coding	XR_208729.4
##	5647	LOC101732127	101732127	lncRNA	XR_004223213.1
##	5648	LOC101732127	101732127	lncRNA	XR_004223214.1
##	5649	LOC116411575	116411575	lncRNA	XR_004223212.1
##	5650	LOC105947687	105947687	lncRNA	XR_001171129.2
##	5651	LOC105947687	105947687	lncRNA	XR_001171131.3
##	5652	fam126a	780214	protein-coding	XR_004223103.1
##	5653	LOC116411506	116411506	lncRNA	XR_004223156.1
##	5654	LOC100498040	100498040	lncRNA	XR_001171128.3
##	5655	LOC116411778	116411778	protein-coding	XR_004223339.1
##	5656	LOC116411458	116411458	lncRNA	XR_004223106.1
##	5657	LOC116411818	116411818	pseudogene	
##	5658	mir148a	100886839	miRNA	NR_049649.1
##	5659	LOC116411490	116411490	lncRNA	XR_004223133.1

## 5660	hnrnpa2b1	549680	protein-coding	XR_004223096.1
## 5661	LOC101734399	101734399	lncRNA	XR_001924738.2
## 5662	LOC105947685	105947685	lncRNA	XR_001171126.2
## 5663	LOC116411597	116411597	lncRNA	XR_004223235.1
## 5664	hoxa9	116411596	protein-coding	XR_004223234.1
## 5665	mir196b	100886859	miRNA	NR_049687.1
## 5666	LOC105947684	105947684	lncRNA	XR_001171121.3
## 5667	LOC116411717	116411717	lncRNA	XR_004223311.1
## 5668	LOC116411824	116411824	pseudogene	
## 5669	LOC105947683	105947683	lncRNA	XR_001171120.3
## 5670	LOC116411719	116411719	lncRNA	XR_004223312.1
## 5671	LOC116411464	116411464	lncRNA	XR_004223111.1
## 5672	LOC116411500	116411500	lncRNA	XR_004223148.1
## 5673	LOC116411783	116411783	lncRNA	XR_004223349.1
## 5674	LOC105947678	105947678	lncRNA	XR_001171115.3
## 5675	LOC116411808	116411808	pseudogene	
## 5676	LOC101731268	101731268	lncRNA	XR_004223200.1
## 5677	LOC116411494	116411494	lncRNA	XR_004223137.1
## 5678	LOC116411540	116411540	lncRNA	XR_004223180.1
## 5679	mir138	100886803	miRNA	NR_049583.1
## 5680	LOC116411771	116411771	lncRNA	XR_004223334.1
## 5681	ano10	100487513	protein-coding	XR_001924777.2
## 5682	LOC108647908	108647908	lncRNA	XR_001924775.2
## 5683	dnajc13	100486485	protein-coding	XR_001924773.2
## 5684	LOC116411668	116411668	protein-coding	XR_004223260.1
## 5685	LOC116411667	116411667	protein-coding	XR_004223259.1
## 5686	LOC100489602	100489602	protein-coding	XR_004223281.1
## 5687	LOC100489132	100489132	misc_RNA	XR_004223304.1
## 5688	LOC116411688	116411688	lncRNA	XR_004223286.1
## 5689	LOC116411672	116411672	lncRNA	XR_004223263.1
## 5690	LOC116411655	116411655	lncRNA	XR_004223252.1
## 5691	LOC116411677	116411677	lncRNA	XR_004223265.1
## 5692	LOC116411713	116411713	lncRNA	XR_004223308.1
## 5693	LOC116411775	116411775	lncRNA	XR_004223336.1
## 5694	LOC116411496	116411496	lncRNA	XR_004223142.1
## 5695	LOC105947665	105947665	lncRNA	XR_001171096.3
## 5696	LOC116411819	116411819	pseudogene	
## 5697	LOC116411499	116411499	lncRNA	XR_004223146.1
## 5698	LOC101731772	101731772	lncRNA	XR_208714.4
## 5699	LOC101731772	101731772	lncRNA	XR_001924770.2
## 5700	LOC116411556	116411556	lncRNA	XR_004223199.1
## 5701	LOC116411571	116411571	lncRNA	XR_004223210.1
## 5702	LOC105947581	105947581	lncRNA	XR_004223254.1
## 5703	golga4	100495226	protein-coding	XR_004223266.1
## 5704	LOC101732867	101732867	lncRNA	XR_004223139.1
## 5705	LOC101732867	101732867	lncRNA	XR_004223140.1
## 5706	LOC101732867	101732867	lncRNA	XR_004223141.1
## 5707	bmp4	733449	protein-coding	XR_004223097.1
## 5708	LOC116411463	116411463	lncRNA	XR_004223110.1
## 5709	LOC116411607	116411607	lncRNA	XR_004223242.1
## 5710	LOC116411492	116411492	lncRNA	XR_004223135.1
## 5711	LOC101731267	101731267	lncRNA	XR_004223188.1
## 5712	LOC101731267	101731267	lncRNA	XR_004223189.1
## 5713	LOC116411548	116411548	lncRNA	XR_004223187.1

## 5714	med1l	779622	protein-coding	XR_004223233.1
## 5715	LOC108647912	108647912	lncRNA	XR_001924782.2
## 5716	LOC108647912	108647912	lncRNA	XR_001924783.2
## 5717	LOC108647912	108647912	lncRNA	XR_004223297.1
## 5718	mir128-2	100886928	miRNA	NR_049572.1
## 5719	LOC116411479	116411479	lncRNA	XR_004223126.1
## 5720	trnat-ugu	108647988	tRNA	
## 5721	trnat-ugu	108648019	tRNA	
## 5722	LOC116411476	116411476	lncRNA	XR_004223124.1
## 5723	LOC116411475	116411475	lncRNA	XR_004223123.1
## 5724	mir187	100886811	miRNA	NR_049598.1
## 5725	mrpl36	100038106	misc_RNA	XR_001171090.3
## 5726	LOC108647880	108647880	lncRNA	XR_004223307.1
## 5727	LOC116411770	116411770	lncRNA	XR_004223333.1
## 5728	LOC108647876	108647876	lncRNA	XR_004223332.1
## 5729	LOC108647875	108647875	lncRNA	XR_004223323.1
## 5730	LOC105947663	105947663	lncRNA	XR_001171094.3
## 5731	LOC101733295	101733295	lncRNA	XR_208710.4
## 5732	trnat-agu	108647977	tRNA	
## 5733	LOC116411601	116411601	lncRNA	XR_004223238.1
## 5734	LOC116411491	116411491	lncRNA	XR_004223134.1
## 5735	LOC116411587	116411587	lncRNA	XR_004223222.1
## 5736	trio	100170157	protein-coding	XR_001170948.3
## 5737	LOC116411684	116411684	lncRNA	XR_004223283.1
## 5738	LOC105947654	105947654	lncRNA	XR_001171084.3
## 5739	LOC105947654	105947654	lncRNA	XR_001924747.2
## 5740	LOC105945531	105945531	lncRNA	XR_004223161.1
## 5741	LOC116411517	116411517	lncRNA	XR_004223162.1
## 5742	LOC116411518	116411518	lncRNA	XR_004223163.1
## 5743	LOC108644713	108644713	lncRNA	XR_001923288.2
## 5744	LOC116411666	116411666	lncRNA	XR_004223258.1
## 5745	LOC116411708	116411708	lncRNA	XR_004223302.1
## 5746	LOC116411777	116411777	lncRNA	XR_004223337.1
## 5747	LOC101734969	101734969	lncRNA	XR_001171092.3
## 5748	LOC116411459	116411459	lncRNA	XR_004223107.1
## 5749	LOC116411686	116411686	lncRNA	XR_004223285.1
## 5750	LOC101734168	101734168	protein-coding	XR_004223253.1
## 5751	LOC116411590	116411590	lncRNA	XR_004223228.1
## 5752	LOC116411716	116411716	lncRNA	XR_004223310.1
## 5753	LOC105947658	105947658	lncRNA	XR_001171087.3
## 5754	LOC105947657	105947657	lncRNA	XR_001171086.3
## 5755	LOC116411714	116411714	lncRNA	XR_004223309.1
## 5756	LOC105948260	105948260	lncRNA	XR_004223314.1
## 5757	LOC116411550	116411550	lncRNA	XR_004223191.1
## 5758	LOC116411550	116411550	lncRNA	XR_004223192.1
## 5759	LOC116411779	116411779	lncRNA	XR_004223340.1
## 5760	LOC116411474	116411474	lncRNA	XR_004223122.1
## 5761	LOC108647900	108647900	lncRNA	XR_001924764.2
## 5762	prpf4b	779480	protein-coding	XR_001171078.3
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## 5764	prpf4b	779480	protein-coding	XR_004223270.1
## 5765	prpf4b	779480	protein-coding	XR_004223271.1
## 5766	prpf4b	779480	protein-coding	XR_004223272.1
## 5767	prpf4b	779480	protein-coding	XR_004223273.1

## 5768	prpf4b	779480	protein-coding	XR_004223274.1
## 5769	bphl	100489969	protein-coding	XR_004223264.1
## 5770	LOC101735299	101735299	lncRNA	XR_004223227.1
## 5771	LOC116411469	116411469	lncRNA	XR_004223116.1
## 5772	dsp	779453	misc_RNA	XR_001171073.3
## 5773	dsp	779453	misc_RNA	XR_004223205.1
## 5774	dsp	779453	misc_RNA	XR_004223206.1
## 5775	LOC116411691	116411691	lncRNA	XR_004223288.1
## 5776	LOC105947571	105947571	lncRNA	XR_001170986.3
## 5777	LOC116411712	116411712	lncRNA	XR_004223305.1
## 5778	LOC116411712	116411712	lncRNA	XR_004223306.1
## 5779	LOC116411723	116411723	lncRNA	XR_004223315.1
## 5780	LOC116411528	116411528	lncRNA	XR_004223167.1
## 5781	LOC116411470	116411470	lncRNA	XR_004223119.1
## 5782	LOC105947643	105947643	lncRNA	XR_001171067.3
## 5783	LOC101733088	101733088	lncRNA	XR_004223298.1
## 5784	dek	493252	protein-coding	XR_001170957.3
## 5785	LOC116411689	116411689	lncRNA	XR_004223287.1
## 5786	LOC116411780	116411780	lncRNA	XR_004223343.1
## 5787	LOC101731773	101731773	misc_RNA	XR_004223347.1
## 5788	LOC116411781	116411781	lncRNA	XR_004223344.1
## 5789	LOC116411781	116411781	lncRNA	XR_004223345.1
## 5790	LOC116411781	116411781	lncRNA	XR_004223346.1
## 5791	LOC108647855	108647855	lncRNA	XR_004223342.1
## 5792	LOC100495543	100495543	pseudogene	
## 5793	LOC116411588	116411588	lncRNA	XR_004223223.1
## 5794	LOC101732499	101732499	lncRNA	XR_001171062.3
## 5795	LOC101732499	101732499	lncRNA	XR_004223277.1
## 5796	LOC101732499	101732499	lncRNA	XR_004223278.1
## 5797	LOC101732499	101732499	lncRNA	XR_004223279.1
## 5798	LOC116411822	116411822	pseudogene	
## 5799	LOC108647854	108647854	lncRNA	XR_001924732.2
## 5800	LOC105947636	105947636	lncRNA	XR_001171058.3
## 5801	LOC105947636	105947636	lncRNA	XR_004223338.1
## 5802	LOC108644706	108644706	lncRNA	XR_001923276.2
## 5803	LOC108644708	108644708	lncRNA	XR_004223318.1
## 5804	LOC108644708	108644708	lncRNA	XR_004223319.1
## 5805	LOC108644708	108644708	lncRNA	XR_004223320.1
## 5806	LOC108644708	108644708	lncRNA	XR_004223321.1
## 5807	LOC116411576	116411576	lncRNA	XR_004223215.1
## 5808	cep76	549585	protein-coding	XR_001170963.3
## 5809	mppe1	100492787	protein-coding	XR_004223257.1
## 5810	LOC116411495	116411495	lncRNA	XR_004223138.1
## 5811	LOC116411782	116411782	lncRNA	XR_004223348.1
## 5812	LOC116411498	116411498	lncRNA	XR_004223145.1
## 5813	akain1	100488626	protein-coding	XR_004223313.1
## 5814	LOC108647918	108647918	lncRNA	XR_001924789.2
## 5815	mettl4	100379768	protein-coding	XR_004223152.1
## 5816	mettl4	100379768	protein-coding	XR_004223153.1
## 5817	LOC116411768	116411768	lncRNA	XR_004223331.1
## 5818	mir133a	100886917	miRNA	NR_049706.1
## 5819	mir1a-1	100886880	miRNA	NR_049533.1
## 5820	LOC101732092	101732092	protein-coding	XR_004223324.1
## 5821	LOC116411483	116411483	lncRNA	XR_004223128.1

##	5822	LOC116411726	116411726	lncRNA	XR_004223316.1
##	5823	LOC116411707	116411707	lncRNA	XR_004223301.1
##	5824	LOC116411825	116411825	snRNA	XR_004223374.1
##	5825	LOC116411602	116411602	lncRNA	XR_004223239.1
##	5826	LOC116411461	116411461	lncRNA	XR_004223108.1
##	5827	LOC101730952	101730952	lncRNA	XR_208691.1
##	5828	LOC105947631	105947631	lncRNA	XR_001171047.3
##	5829	LOC116411809	116411809	pseudogene	
##	5830	trnaa-agc	108647992	tRNA	
##	5831	LOC116411821	116411821	pseudogene	
##	5832	LOC108647926	108647926	lncRNA	XR_001924792.1
##	5833	LOC116411670	116411670	lncRNA	XR_004223261.1
##	5834	LOC105947628	105947628	lncRNA	XR_001171044.3
##	5835	LOC105947628	105947628	lncRNA	XR_004223154.1
##	5836	LOC105947629	105947629	lncRNA	XR_001171045.3
##	5837	LOC116411855	116411855	snoRNA	XR_004223403.1
##	5838	ca8	496646	protein-coding	XR_001170959.3
##	5839	LOC116411838	116411838	snoRNA	XR_004223386.1
##	5840	LOC116411593	116411593	lncRNA	XR_004223232.1
##	5841	LOC116411598	116411598	lncRNA	XR_004223236.1
##	5842	LOC116411695	116411695	lncRNA	XR_004223291.1
##	5843	mir124	100886852	miRNA	NR_049674.1
##	5844	LOC116411680	116411680	lncRNA	XR_004223275.1
##	5845	LOC116411680	116411680	lncRNA	XR_004223276.1
##	5846	LOC105947625	105947625	lncRNA	XR_004223229.1
##	5847	LOC116411554	116411554	lncRNA	XR_004223198.1
##	5848	LOC116411683	116411683	lncRNA	XR_004223282.1
##	5849	LOC100490089	100490089	lncRNA	XR_208681.4
##	5850	LOC116411709	116411709	lncRNA	XR_004223303.1
##	5851	LOC116411467	116411467	lncRNA	XR_004223114.1
##	5852	LOC116411806	116411806	pseudogene	
##	5853	LOC116411662	116411662	lncRNA	XR_004223256.1
##	5854	zfand1	100141502	protein-coding	XR_001171039.3
##	5855	LOC105947623	105947623	lncRNA	XR_001171038.3
##	5856	LOC101733048	101733048	lncRNA	XR_001171036.3
##	5857	LOC116411493	116411493	lncRNA	XR_004223136.1
##	5858	LOC105947621	105947621	lncRNA	XR_004223143.1
##	5859	LOC100492434	100492434	protein-coding	XR_001924800.2
##	5860	LOC100492434	100492434	protein-coding	XR_004223231.1
##	5861	LOC116411578	116411578	lncRNA	XR_004223216.1
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##	5863	LOC116411815	116411815	pseudogene	
##	5864	trnaq-cug	108648030	tRNA	
##	5865	LOC101732906	101732906	pseudogene	
##	5866	esrp1	448608	protein-coding	XR_004223087.1
##	5867	LOC116411827	116411827	snoRNA	XR_004223375.1
##	5868	trnas-aga	108647944	tRNA	
##	5869	LOC116411457	116411457	lncRNA	XR_004223104.1
##	5870	trnal-uag	108647993	tRNA	
##	5871	trnal-uag	108647998	tRNA	
##	5872	trnal-uag	108647955	tRNA	
##	5873	LOC105947614	105947614	lncRNA	XR_004223209.1
##	5874	LOC116411551	116411551	lncRNA	XR_004223193.1
##	5875	LOC116411551	116411551	lncRNA	XR_004223194.1

## 5876	LOC116411527	116411527	lncRNA	XR_004223166.1
## 5877	LOC116411516	116411516	lncRNA	XR_004223160.1
## 5878	LOC116411606	116411606	lncRNA	XR_004223241.1
## 5879	LOC100487686	100487686	lncRNA	XR_001924805.2
## 5880	LOC100487686	100487686	lncRNA	XR_004223224.1
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## 5886	trnai-uau	108647985	tRNA	
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## 5890	trnai-uau	116411945	tRNA	
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## 5894	trnai-uau	116411950	tRNA	
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## 5898	trnai-uau	116411954	tRNA	
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## 5964	mir30b	100886790	miRNA	NR_049558.1
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## 5972	trnar-ucu	108647967	tRNA	
## 5973	trnar-ucu	108647965	tRNA	
## 5974	trnar-ucu	108647964	tRNA	
## 5975	trnar-ucu	108647960	tRNA	
## 5976	trnar-ucu	108647957	tRNA	
## 5977	trnar-ucu	116411928	tRNA	
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## 5982	trnar-ucu	108647943	tRNA	
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## 6016	LOC116411851	116411851	snoRNA	XR_004223399.1
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## 6023	LOC116411826	116411826	pseudogene	
## 6024	LOC100485952	100485952	pseudogene	
## 6025	LOC100498383	100498383	pseudogene	
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## 6027	LOC100335112	100335112	rRNA	NR_033271.1
## 6028	LOC116411800	116411800	rRNA	XR_004223366.1
## 6029	LOC116411785	116411785	rRNA	XR_004223351.1
## 6030	LOC116411887	116411887	rRNA	XR_004223435.1
## 6031	LOC116411881	116411881	rRNA	XR_004223429.1
## 6032	LOC116411888	116411888	rRNA	XR_004223436.1
## 6033	LOC116411892	116411892	rRNA	XR_004223440.1
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## 6035	LOC116411801	116411801	rRNA	XR_004223367.1
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## 6038	LOC116411823	116411823	rRNA	XR_004223373.1
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## 6040	LOC116411786	116411786	rRNA	XR_004223352.1
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## 6050	LOC116411796	116411796	rRNA	XR_004223362.1
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## 6055	LOC116411865	116411865	rRNA	XR_004223413.1
## 6056	LOC116411866	116411866	rRNA	XR_004223414.1
## 6057	LOC116411867	116411867	rRNA	XR_004223415.1
## 6058	LOC116411868	116411868	rRNA	XR_004223416.1
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## 6060	LOC116411870	116411870	rRNA	XR_004223418.1
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## 6062	LOC116411789	116411789	rRNA	XR_004223355.1
## 6063	LOC116411860	116411860	rRNA	XR_004223408.1
## 6064	LOC116411872	116411872	rRNA	XR_004223420.1
## 6065	LOC116411891	116411891	rRNA	XR_004223439.1
## 6066	LOC116411873	116411873	rRNA	XR_004223421.1
## 6067	LOC116411893	116411893	rRNA	XR_004223441.1
## 6068	LOC116411874	116411874	rRNA	XR_004223422.1
## 6069	LOC116411792	116411792	rRNA	XR_004223358.1
## 6070	LOC116411875	116411875	rRNA	XR_004223423.1
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## 6077	LOC116411882	116411882	rRNA	XR_004223430.1
## 6078	LOC116411883	116411883	rRNA	XR_004223431.1
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## 6080	LOC116411894	116411894	rRNA	XR_004223442.1
## 6081	LOC116411885	116411885	rRNA	XR_004223433.1
## 6082	LOC116411895	116411895	rRNA	XR_004223443.1
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## 6084	LOC116411886	116411886	rRNA	XR_004223434.1
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## 6087	LOC116411897	116411897	rRNA	XR_004223445.1
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##	6099	LOC116411804	116411804	rRNA	XR_004223370.1
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##	6101	LOC116411803	116411803	rRNA	XR_004223369.1
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##	6107	LOC116412564	116412564	rRNA	XR_004223804.1
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##	6109	LOC116412494	116412494	rRNA	XR_004223742.1
##	6110	LOC116412575	116412575	rRNA	XR_004223815.1
##	6111	LOC116412586	116412586	rRNA	XR_004223816.1
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##	6114	LOC116412019	116412019	lncRNA	XR_004223476.1
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##	6132	LOC100495497	100495497	lncRNA	XR_001923519.2
##	6133	LOC100495497	100495497	lncRNA	XR_001923520.2
##	6134	LOC116412302	116412302	lncRNA	XR_004223649.1
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##	6140	habp2	548376	misc_RNA	XR_004223575.1
##	6141	LOC116412197	116412197	lncRNA	XR_004223576.1
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##	6143	afap1l2	101734244	protein-coding	XR_004223538.1
##	6144	LOC116412519	116412519	snoRNA	XR_004223764.1
##	6145	LOC116412521	116412521	snoRNA	XR_004223766.1

##	6146	LOC116412520	116412520	snoRNA	XR_004223765.1
##	6147	LOC116412518	116412518	snoRNA	XR_004223763.1
##	6148	LOC116412515	116412515	snoRNA	XR_004223761.1
##	6149	LOC116412516	116412516	snoRNA	XR_004223762.1
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##	6151	LOC116412014	116412014	lncRNA	XR_004223470.1
##	6152	LOC101733461	101733461	lncRNA	XR_208754.4
##	6153	LOC101734901	101734901	protein-coding	XR_004223492.1
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##	6156	LOC116412042	116412042	protein-coding	XR_004223493.1
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##	6171	LOC105946649	105946649	lncRNA	XR_004223517.1
##	6172	LOC116412056	116412056	lncRNA	XR_004223502.1
##	6173	LOC116412062	116412062	lncRNA	XR_004223516.1
##	6174	LOC101733476	101733476	lncRNA	XR_004223507.1
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##	6176	LOC116412064	116412064	lncRNA	XR_004223519.1
##	6177	LOC100487321	100487321	lncRNA	XR_004223511.1
##	6178	LOC116412061	116412061	lncRNA	XR_004223515.1
##	6179	LOC105945820	105945820	misc_RNA	XR_004223512.1
##	6180	LOC105945820	105945820	misc_RNA	XR_004223513.1
##	6181	LOC105945820	105945820	misc_RNA	XR_004223514.1
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##	6186	LOC116412060	116412060	lncRNA	XR_004223510.1
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##	6188	LOC116412229	116412229	protein-coding	XR_004223596.1
##	6189	LOC116412488	116412488	snRNA	XR_004223736.1
##	6190	LOC116412099	116412099	lncRNA	XR_004223550.1
##	6191	LOC116412531	116412531	snoRNA	XR_004223775.1
##	6192	LOC116412530	116412530	snoRNA	XR_004223774.1
##	6193	LOC116412522	116412522	other	XR_004223767.1
##	6194	LOC116412421	116412421	lncRNA	XR_004223685.1
##	6195	LOC116412114	116412114	lncRNA	XR_004223561.1
##	6196	LOC116412435	116412435	lncRNA	XR_004223695.1
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## 6200 LOC116412156 116412156	pseudogene	
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## 6207 LOC116412316 116412316	lncRNA	XR_004223663.1
## 6208 LOC100379718 100379718	lncRNA	XR_097389.5
## 6209 LOC116412093 116412093	lncRNA	XR_004223547.1
## 6210 LOC101735224 101735224	lncRNA	XR_208770.4
## 6211 dnttip2 100145586	misc_RNA	XR_004223646.1
## 6212 LOC105948002 105948002	lncRNA	XR_004223653.1
## 6213 LOC108648145 108648145	lncRNA	XR_004223632.1
## 6214 LOC108648145 108648145	lncRNA	XR_004223633.1
## 6215 LOC105947747 105947747	lncRNA	XR_001171201.3
## 6216 LOC116412470 116412470	lncRNA	XR_004223719.1
## 6217 LOC116412257 116412257	lncRNA	XR_004223628.1
## 6218 LOC116412579 116412579	pseudogene	
## 6219 LOC108648045 108648045	lncRNA	XR_004223529.1
## 6220 acrbp.3 101732636	lncRNA	XR_208774.4
## 6221 LOC116412274 116412274	lncRNA	XR_004223636.1
## 6222 LOC116412085 116412085	lncRNA	XR_004223540.1
## 6223 LOC116412460 116412460	lncRNA	XR_004223709.1
## 6224 LOC116412460 116412460	lncRNA	XR_004223710.1
## 6225 LOC108648184 108648184	lncRNA	XR_004223599.1
## 6226 LOC101731984 101731984	lncRNA	XR_208773.4
## 6227 LOC116412434 116412434	lncRNA	XR_004223694.1
## 6228 LOC116412314 116412314	lncRNA	XR_004223660.1
## 6229 LOC116412580 116412580	pseudogene	
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## 6231 LOC116412199 116412199	lncRNA	XR_004223577.1
## 6232 mir202-2 100886887	miRNA	NR_049605.1
## 6233 mir202-1 100886908	miRNA	NR_049604.1
## 6234 LOC116412423 116412423	lncRNA	XR_004223686.1
## 6235 LOC116412449 116412449	lncRNA	XR_004223703.1
## 6236 stn1 448268	protein-coding	XR_004223462.1
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## 6240 LOC105945977 105945977	lncRNA	XR_004223600.1
## 6241 LOC116412234 116412234	lncRNA	XR_004223601.1
## 6242 LOC101735146 101735146	lncRNA	XR_209363.3
## 6243 LOC108648187 108648187	lncRNA	XR_004223657.1
## 6244 LOC116412022 116412022	lncRNA	XR_004223477.1
## 6245 LOC101735144 101735144	lncRNA	XR_004223697.1
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## 6247 LOC116412201 116412201	lncRNA	XR_004223580.1
## 6248 LOC116412184 116412184	lncRNA	XR_004223573.1
## 6249 LOC116412145 116412145	lncRNA	XR_004223565.1
## 6250 LOC108648210 108648210	lncRNA	XR_001924973.2
## 6251 LOC116412034 116412034	lncRNA	XR_004223486.1
## 6252 LOC116412288 116412288	lncRNA	XR_004223640.1
## 6253 LOC105948021 105948021	lncRNA	XR_001171427.3

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##	6256	LOC116412244	116412244	lncRNA	XR_004223610.1
##	6257	LOC116412243	116412243	lncRNA	XR_004223608.1
##	6258	LOC116412243	116412243	lncRNA	XR_004223609.1
##	6259	LOC116412300	116412300	lncRNA	XR_004223648.1
##	6260	LOC108645424	108645424	lncRNA	XR_004223687.1
##	6261	LOC116412252	116412252	lncRNA	XR_004223617.1
##	6262	LOC116412414	116412414	lncRNA	XR_004223682.1
##	6263	LOC116412414	116412414	lncRNA	XR_004223683.1
##	6264	LOC116412253	116412253	lncRNA	XR_004223618.1
##	6265	LOC116412427	116412427	lncRNA	XR_004223690.1
##	6266	LOC116412235	116412235	lncRNA	XR_004223603.1
##	6267	LOC105948023	105948023	lncRNA	XR_004223688.1
##	6268	LOC105948023	105948023	lncRNA	XR_004223689.1
##	6269	LOC116412200	116412200	lncRNA	XR_004223578.1
##	6270	LOC116412200	116412200	lncRNA	XR_004223579.1
##	6271	LOC105948025	105948025	lncRNA	XR_001171430.2
##	6272	mir9407	104797199	miRNA	NR_130615.1
##	6273	LOC101732480	101732480	lncRNA	XR_004223624.1
##	6274	LOC101732480	101732480	lncRNA	XR_004223625.1
##	6275	LOC116412583	116412583	pseudogene	
##	6276	LOC116412026	116412026	lncRNA	XR_004223479.1
##	6277	LOC116412025	116412025	lncRNA	XR_004223478.1
##	6278	LOC116412027	116412027	lncRNA	XR_004223480.1
##	6279	cnm1	100485330	protein-coding	XR_004223569.1
##	6280	LOC108648128	108648128	lncRNA	XR_001924865.2
##	6281	LOC116412305	116412305	lncRNA	XR_004223651.1
##	6282	LOC116412304	116412304	lncRNA	XR_004223650.1
##	6283	LOC100489891	100489891	pseudogene	
##	6284	mir107	100886795	miRNA	NR_049567.1
##	6285	LOC116412075	116412075	lncRNA	XR_004223525.1
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##	6287	LOC108648159	108648159	lncRNA	XR_001924901.2
##	6288	LOC116412227	116412227	lncRNA	XR_004223593.1
##	6289	LOC101735151	101735151	lncRNA	XR_001924974.2
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##	6291	LOC101735151	101735151	lncRNA	XR_004223612.1
##	6292	LOC105947745	105947745	lncRNA	XR_004223613.1
##	6293	LOC100497100	100497100	lncRNA	XR_208791.3
##	6294	LOC100493999	100493999	protein-coding	XR_004223602.1
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##	6304	LOC100497842	100497842	lncRNA	XR_001171211.3
##	6305	LOC101734604	101734604	lncRNA	XR_208792.4
##	6306	c10orf105	100492846	lncRNA	XR_001171212.3
##	6307	LOC108648141	108648141	lncRNA	XR_001924881.2

## 6308	LOC116412220	116412220	lncRNA	XR_004223591.1
## 6309	LOC100489795	100489795	lncRNA	XR_208795.2
## 6310	LOC101731901	101731901	lncRNA	XR_208796.3
## 6311	LOC101731939	101731939	lncRNA	XR_208797.2
## 6312	LOC116412327	116412327	lncRNA	XR_004223668.1
## 6313	LOC100490435	100490435	lncRNA	XR_208799.3
## 6314	LOC108648205	108648205	lncRNA	XR_001924966.2
## 6315	LOC116412280	116412280	lncRNA	XR_004223639.1
## 6316	LOC108648137	108648137	lncRNA	XR_001924875.2
## 6317	LOC100496187	100496187	lncRNA	XR_208801.2
## 6318	LOC105947762	105947762	lncRNA	XR_001171215.3
## 6319	LOC108645453	108645453	lncRNA	XR_001923846.2
## 6320	LOC116412510	116412510	snoRNA	XR_004223756.1
## 6321	LOC116412509	116412509	snoRNA	XR_004223755.1
## 6322	LOC116412511	116412511	snoRNA	XR_004223757.1
## 6323	LOC116412512	116412512	snoRNA	XR_004223758.1
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## 6325	LOC105947794	105947794	lncRNA	XR_004223488.1
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## 6327	LOC116412452	116412452	lncRNA	XR_004223706.1
## 6328	LOC116412417	116412417	lncRNA	XR_004223684.1
## 6329	LOC116412256	116412256	lncRNA	XR_004223627.1
## 6330	LOC105945481	105945481	lncRNA	XR_001169046.3
## 6331	LOC101730767	101730767	lncRNA	XR_208488.4
## 6332	LOC105947200	105947200	lncRNA	XR_001170615.3
## 6333	LOC108648198	108648198	lncRNA	XR_004223542.1
## 6334	LOC105947901	105947901	lncRNA	XR_001171319.3
## 6335	LOC100486241	100486241	lncRNA	XR_001924936.2
## 6336	LOC100486241	100486241	lncRNA	XR_004223641.1
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## 6338	LOC116412219	116412219	protein-coding	XR_004223590.1
## 6339	LOC105947785	105947785	lncRNA	XR_001171262.3
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## 6341	LOC116412441	116412441	lncRNA	XR_004223701.1
## 6342	LOC116412357	116412357	pseudogene	
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## 6344	stx3	549026	protein-coding	XR_004223467.1
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## 6346	LOC116412476	116412476	lncRNA	XR_004223723.1
## 6347	LOC116412222	116412222	lncRNA	XR_004223592.1
## 6348	LOC105948005	105948005	lncRNA	XR_001171412.3
## 6349	LOC108648120	108648120	lncRNA	XR_001924858.2
## 6350	LOC116412315	116412315	lncRNA	XR_004223662.1
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## 6353	LOC116412015	116412015	lncRNA	XR_004223471.1
## 6354	LOC116412016	116412016	lncRNA	XR_004223472.1
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## 6356	LOC105947750	105947750	lncRNA	XR_001171203.3
## 6357	LOC105947770	105947770	lncRNA	XR_001171239.3
## 6358	LOC105947772	105947772	lncRNA	XR_001171241.3
## 6359	LOC116412255	116412255	lncRNA	XR_004223622.1
## 6360	LOC105947775	105947775	lncRNA	XR_004223623.1
## 6361	LOC101731286	101731286	lncRNA	XR_001171243.3

##	6362	LOC101731286	101731286	lncRNA	XR_004223621.1
##	6363	LOC105947777	105947777	lncRNA	XR_001171246.3
##	6364	LOC105947777	105947777	lncRNA	XR_004223532.1
##	6365	LOC105947777	105947777	lncRNA	XR_004223533.1
##	6366	LOC116412183	116412183	lncRNA	XR_004223572.1
##	6367	mad2l2	448122	protein-coding	NR_045201.1
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##	6369	LOC116412073	116412073	lncRNA	XR_004223524.1
##	6370	LOC116412589	116412589	snoRNA	XR_004223819.1
##	6371	LOC116412588	116412588	snoRNA	XR_004223818.1
##	6372	LOC116412587	116412587	snoRNA	XR_004223817.1
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##	6381	adamts8	100497759	protein-coding	XR_004223595.1
##	6382	LOC116412214	116412214	lncRNA	XR_004223587.1
##	6383	LOC116412582	116412582	pseudogene	
##	6384	LOC116412089	116412089	lncRNA	XR_004223543.1
##	6385	LOC116412091	116412091	lncRNA	XR_004223544.1
##	6386	LOC116412091	116412091	lncRNA	XR_004223545.1
##	6387	LOC101732672	101732672	lncRNA	XR_004223724.1
##	6388	LOC116412358	116412358	pseudogene	
##	6389	LOC116412031	116412031	lncRNA	XR_004223485.1
##	6390	LOC116412030	116412030	pseudogene	
##	6391	LOC105945171	105945171	pseudogene	
##	6392	LOC100495709	100495709	transcribed_pseudogene	XR_004223483.1
##	6393	LOC108645177	108645177	transcribed_pseudogene	XR_004223482.1
##	6394	LOC116412029	116412029	transcribed_pseudogene	XR_004223484.1
##	6395	LOC116406485	116406485	pseudogene	
##	6396	LOC116412359	116412359	pseudogene	
##	6397	LOC116412360	116412360	pseudogene	
##	6398	LOC100496030	100496030	pseudogene	
##	6399	LOC116412361	116412361	pseudogene	
##	6400	LOC101731509	101731509	pseudogene	
##	6401	LOC116412562	116412562	pseudogene	
##	6402	LOC116412538	116412538	rRNA	XR_004223781.1
##	6403	LOC116412532	116412532	rRNA	XR_004223776.1
##	6404	LOC116412558	116412558	pseudogene	
##	6405	LOC116412572	116412572	rRNA	XR_004223812.1
##	6406	LOC116412544	116412544	rRNA	XR_004223787.1
##	6407	LOC116412556	116412556	rRNA	XR_004223798.1
##	6408	LOC116412545	116412545	rRNA	XR_004223788.1
##	6409	LOC116412533	116412533	rRNA	XR_004223777.1
##	6410	LOC116412547	116412547	rRNA	XR_004223790.1
##	6411	LOC116412548	116412548	rRNA	XR_004223791.1
##	6412	LOC116412534	116412534	rRNA	XR_004223778.1
##	6413	LOC116412549	116412549	rRNA	XR_004223792.1
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## 6450 LOC105947779	105947779		
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## 6454 LOC101730586	101730586		
## 6455 LOC116412514	116412514		
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## 6458 mir125b-1	100886958		
## 6459 LOC116412018	116412018		
## 6460 LOC105947879	105947879		
## 6461 LOC116412275	116412275		
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## 6467 mir34b-2	100886903		
## 6468 LOC100497939	100497939		
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		rRNA	XR_004223800.1
		rRNA	XR_004223811.1
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		rRNA	XR_004223799.1
		rRNA	XR_004223810.1
		rRNA	XR_004223789.1
		rRNA	XR_004223805.1
		rRNA	XR_004223782.1
		rRNA	XR_004223783.1
		rRNA	XR_004223806.1
		rRNA	XR_004223794.1
		rRNA	XR_004223784.1
		rRNA	XR_004223807.1
		rRNA	XR_004223795.1
		rRNA	XR_004223796.1
		rRNA	XR_004223808.1
		rRNA	XR_004223785.1
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		rRNA	NR_036660.1
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		lncRNA	XR_004223637.1
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##	6470	LOC116412206	116412206	lncRNA	XR_004223581.1
##	6471	LOC105947882	105947882	lncRNA	XR_001171303.3
##	6472	LOC116412450	116412450	lncRNA	XR_004223704.1
##	6473	LOC116412331	116412331	lncRNA	XR_004223671.1
##	6474	LOC116412260	116412260	lncRNA	XR_004223630.1
##	6475	LOC116412037	116412037	lncRNA	XR_004223489.1
##	6476	mir429	100886867	miRNA	NR_049700.1
##	6477	mir200a	100886899	miRNA	NR_049689.1
##	6478	mir200b	100886860	miRNA	NR_049690.1
##	6479	LOC116412072	116412072	lncRNA	XR_004223523.1
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##	6481	mir320	100886874	miRNA	NR_049710.1
##	6482	LOC116412312	116412312	lncRNA	XR_004223659.1
##	6483	mir34a	100886926	miRNA	NR_049560.1
##	6484	LOC116412076	116412076	lncRNA	XR_004223527.1
##	6485	LOC105947889	105947889	lncRNA	XR_001924866.2
##	6486	LOC105947895	105947895	lncRNA	XR_001171315.2
##	6487	LOC116412576	116412576	pseudogene	
##	6488	LOC116412080	116412080	lncRNA	XR_004223534.1
##	6489	LOC116412087	116412087	lncRNA	XR_004223541.1
##	6490	LOC116412448	116412448	lncRNA	XR_004223702.1
##	6491	LOC116412094	116412094	protein-coding	XR_004223548.1
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##	6494	trnar-ccu	108648242	tRNA	
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##	6498	trnaf-gaa	108648235	tRNA	
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##	6500	trnar-ccu	108648216	tRNA	
##	6501	trnal-cag	108648234	tRNA	
##	6502	LOC100145450	100145450	protein-coding	XR_004223450.1
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##	6505	LOC100145450	100145450	protein-coding	XR_004223453.1
##	6506	LOC108648190	108648190	lncRNA	XR_001924942.2
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##	6508	LOC116412117	116412117	lncRNA	XR_004223563.1
##	6509	LOC101730628	101730628	pseudogene	
##	6510	LOC101730749	101730749	pseudogene	
##	6511	LOC101730691	101730691	pseudogene	
##	6512	LOC116412577	116412577	pseudogene	
##	6513	LOC116412297	116412297	lncRNA	XR_004223647.1
##	6514	LOC105947903	105947903	lncRNA	XR_001171321.3
##	6515	LOC116412070	116412070	lncRNA	XR_004223522.1
##	6516	LOC116412115	116412115	lncRNA	XR_004223562.1
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##	6518	trnaf-gaa	108648243	tRNA	
##	6519	trnaf-gaa	108648217	tRNA	
##	6520	trnal-cag	108648218	tRNA	
##	6521	trnaf-gaa	108648219	tRNA	
##	6522	trnal-cag	108648220	tRNA	
##	6523	trnar-ccu	108648240	tRNA	

##	6524	trnar-ccu	108648241	tRNA	
##	6525	trnal-cag	108648221	tRNA	
##	6526	trnaf-gaa	108648222	tRNA	
##	6527	LOC116412334	116412334	lncRNA	XR_004223679.1
##	6528	LOC116412439	116412439	lncRNA	XR_004223699.1
##	6529	LOC100489525	100489525	lncRNA	XR_208836.4
##	6530	LOC100493717	100493717	protein-coding	XM_031906522.1
##	6531	LOC100493554	100493554	protein-coding	XM_031906523.1
##	6532	LOC116412369	116412369	protein-coding	XM_031906524.1
##	6533	LOC100493230	100493230	protein-coding	XM_018095473.2
##	6534	LOC116412370	116412370	protein-coding	XM_031906525.1
##	6535	LOC100492553	100492553	pseudogene	
##	6536	LOC101731730	101731730	protein-coding	XM_031906529.1
##	6537	LOC116412371	116412371	protein-coding	XM_031906530.1
##	6538	LOC105947921	105947921	lncRNA	XR_001171332.3
##	6539	LOC116412292	116412292	lncRNA	XR_004223643.1
##	6540	LOC116412254	116412254	protein-coding	XR_004223619.1
##	6541	LOC116412323	116412323	lncRNA	XR_004223665.1
##	6542	LOC100493891	100493891	pseudogene	
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##	6544	LOC108644520	108644520	protein-coding	XR_004223713.1
##	6545	LOC116412469	116412469	lncRNA	XR_004223714.1
##	6546	LOC116412469	116412469	lncRNA	XR_004223715.1
##	6547	LOC116412469	116412469	lncRNA	XR_004223716.1
##	6548	LOC105945930	105945930	lncRNA	XR_001169474.3
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##	6561	LOC116412259	116412259	lncRNA	XR_004223629.1
##	6562	LOC116412240	116412240	lncRNA	XR_004223605.1
##	6563	LOC116412238	116412238	lncRNA	XR_004223604.1
##	6564	LOC101732040	101732040	lncRNA	XR_004223661.1
##	6565	mir150	100886807	miRNA	NR_049590.1
##	6566	LOC116412433	116412433	lncRNA	XR_004223693.1
##	6567	LOC100494294	100494294	lncRNA	XR_004223549.1
##	6568	LOC116412068	116412068	lncRNA	XR_004223521.1
##	6569	LOC116412278	116412278	lncRNA	XR_004223638.1
##	6570	LOC116412436	116412436	lncRNA	XR_004223696.1
##	6571	LOC100487974	100487974	pseudogene	
##	6572	LOC116412475	116412475	lncRNA	XR_004223722.1
##	6573	LOC116412529	116412529	other	XR_004223773.1
##	6574	LOC108648161	108648161	lncRNA	XR_004223669.1
##	6575	LOC108648161	108648161	lncRNA	XR_004223670.1
##	6576	LOC116412081	116412081	lncRNA	XR_004223536.1
##	6577	LOC116412082	116412082	lncRNA	XR_004223537.1

##	6578	LOC116412250	116412250	lncRNA	XR_004223616.1
##	6579	LOC105947941	105947941	lncRNA	XR_001171349.3
##	6580	LOC100492700	100492700	lncRNA	XR_004223615.1
##	6581	LOC116412233	116412233	lncRNA	XR_004223598.1
##	6582	LOC100485009	100485009	protein-coding	XR_004223681.1
##	6583	trnac-aca	108648232	tRNA	
##	6584	trnac-gca	108648231	tRNA	
##	6585	trnac-gca	108648230	tRNA	
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##	6589	trnac-gca	108645562	tRNA	
##	6590	trnac-gca	108648228	tRNA	
##	6591	trnac-gca	116412607	tRNA	
##	6592	trnac-gca	108648225	tRNA	
##	6593	trnac-gca	108648229	tRNA	
##	6594	trnac-gca	108648223	tRNA	
##	6595	LOC101734953	101734953	lncRNA	XR_001171368.3
##	6596	LOC116412523	116412523	snoRNA	XR_004223768.1
##	6597	LOC116412524	116412524	snoRNA	XR_004223769.1
##	6598	LOC116412526	116412526	snoRNA	XR_004223771.1
##	6599	LOC116412525	116412525	snoRNA	XR_004223770.1
##	6600	LOC116412527	116412527	snoRNA	XR_004223772.1
##	6601	LOC116412578	116412578	pseudogene	
##	6602	LOC116412067	116412067	lncRNA	XR_004223520.1
##	6603	LOC116412294	116412294	protein-coding	XR_004223644.1
##	6604	LOC116412079	116412079	lncRNA	XR_004223531.1
##	6605	mir125a	100886853	miRNA	NR_049675.1
##	6606	mirlet7a	100886840	miRNA	NR_049652.1
##	6607	mir100	100886896	miRNA	NR_049671.1
##	6608	LOC116412249	116412249	lncRNA	XR_004223614.1
##	6609	LOC105947962	105947962	lncRNA	XR_001924850.2
##	6610	LOC116412388	116412388	pseudogene	
##	6611	LOC116412230	116412230	lncRNA	XR_004223597.1
##	6612	LOC116412461	116412461	lncRNA	XR_004223711.1
##	6613	LOC116412326	116412326	lncRNA	XR_004223667.1
##	6614	LOC116412196	116412196	lncRNA	XR_004223574.1
##	6615	LOC116412473	116412473	lncRNA	XR_004223720.1
##	6616	LOC116412265	116412265	lncRNA	XR_004223634.1
##	6617	LOC116412078	116412078	lncRNA	XR_004223530.1
##	6618	LOC108645199	108645199	lncRNA	XR_001923522.2
##	6619	LOC116412110	116412110	lncRNA	XR_004223559.1
##	6620	LOC116412111	116412111	lncRNA	XR_004223560.1
##	6621	LOC101734574	101734574	lncRNA	XR_004223700.1
##	6622	LOC116412028	116412028	lncRNA	XR_004223481.1
##	6623	LOC116412181	116412181	lncRNA	XR_004223571.1
##	6624	LOC116412273	116412273	lncRNA	XR_004223635.1
##	6625	LOC105947913	105947913	misc_RNA	XR_004223626.1
##	6626	LOC116412307	116412307	lncRNA	XR_004223652.1
##	6627	LOC116412261	116412261	lncRNA	XR_004223631.1
##	6628	LOC116412428	116412428	lncRNA	XR_004223691.1
##	6629	LOC100492346	100492346	lncRNA	XR_208874.4
##	6630	LOC101730294	101730294	protein-coding	XR_001923298.2
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##	6633	LOC116412492	116412492	snRNA	XR_004223740.1
##	6634	LOC116412596	116412596	snRNA	XR_004223826.1
##	6635	LOC116412500	116412500	snRNA	XR_004223748.1
##	6636	LOC116412486	116412486	snRNA	XR_004223734.1
##	6637	LOC116412490	116412490	snRNA	XR_004223738.1
##	6638	LOC116412599	116412599	snRNA	XR_004223828.1
##	6639	LOC116412591	116412591	snRNA	XR_004223821.1
##	6640	LOC116412600	116412600	snRNA	XR_004223829.1
##	6641	LOC116412491	116412491	snRNA	XR_004223739.1
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##	6645	LOC116412484	116412484	snRNA	XR_004223732.1
##	6646	LOC116412504	116412504	snRNA	XR_004223752.1
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##	6648	LOC116412485	116412485	snRNA	XR_004223733.1
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##	6651	LOC116412496	116412496	snRNA	XR_004223744.1
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##	6654	LOC116412603	116412603	snRNA	XR_004223832.1
##	6655	LOC116412590	116412590	snRNA	XR_004223820.1
##	6656	LOC116412489	116412489	snRNA	XR_004223737.1
##	6657	LOC116412487	116412487	snRNA	XR_004223735.1
##	6658	LOC116412478	116412478	snRNA	XR_004223726.1
##	6659	LOC116412498	116412498	snRNA	XR_004223746.1
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##	6661	LOC116412592	116412592	snRNA	XR_004223822.1
##	6662	LOC116412593	116412593	snRNA	XR_004223823.1
##	6663	LOC116412594	116412594	snRNA	XR_004223824.1
##	6664	LOC116412480	116412480	snRNA	XR_004223728.1
##	6665	LOC116412595	116412595	snRNA	XR_004223825.1
##	6666	LOC116412497	116412497	snRNA	XR_004223745.1
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## 25	peptidase inhibitor 16, trans
## 26	uncharacter
## 27	uncharacterized LOC116408258, trans
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## 31	small nucl
## 32	small nucl
## 33	small nucl
## 34	vomeronasal type-2
## 35	vomeronasal t
## 36	vomeronasal type-2
## 37	vomeronasal type-2
## 38	vomeronasal type-2
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## 40	vomeronasal type-2
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## 42	pherom
## 43	vomeronasal t
## 44	vomeronasal t
## 45	vomeronasal type-2
## 46	vomeronasal type-2
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## 50	vomeronasal t
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## 55	vomeronasal type-2
## 56	vomeronasal t
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## 59	vomeronasal type-2
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## 77	vomeronasal t
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## 87	vomeronasal t
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## 89	vomeronasal type-2
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## 91	vomeronasal type-2
## 92	vomeronasal t
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## 97	U4atac minor
## 98	
## 99	U4atac minor
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## 104	U4atac minor
## 105	U4atac minor
## 106	vomeronasal type-2
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## 112	vomeronasal type-2
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## 125	vomeronasal t
## 126	uncharacter

## 127	
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## 144	uncharacter
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## 156	
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## 158	
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## 160	uncharacterized LOC101733471, trans
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## 167	
## 168	
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## 170	uncharacter
## 171	uncharacterized LOC116408419, trans
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## 177	uncharacter
## 178	uncharacter
## 179	uncharacter
## 180	adrenoceptor alpha 1D, trans

## 181		uncharacter
## 182		m
## 183		uncharacter
## 184		uncharacter
## 185		uncharacter
## 186		n
## 187		uncharacter
## 188		uncharacter
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## 192		uncharacter
## 193		uncharacter
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## 197		uncharacter
## 198	SET and MYND domain-containing protein 5-like, trans	
## 199	uncharacterized LOC105946332, trans	
## 200	uncharacterized LOC105946332, trans	
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## 225		small nucle
## 226		small nucle
## 227		uncharacter
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## 230		
## 231	nuclear receptor binding SET domain protein 2, trans	
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## 233		uncharacter
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## 235	uncharacter
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## 242	EvC ciliary complex subunit 1, trans
## 243	uncharacterized LOC101734699, trans
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## 248	uncharacterized LOC116408441, trans
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## 293		small nucl
## 294		small nucl
## 295		uncharacter
## 296		uncharacter
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## 299		uncharacter
## 300		uncharacter
## 301		FAT atypical cadherin 1, trans
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## 308		15-hydroxyprostaglandin dehydrogenase, trans
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## 310		uncharacterized LOC101731713, trans
## 311		uncharacterized LOC101731713, trans
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## 313		uncharacterized LOC105946249, trans
## 314		uncharacterized LOC105946249, trans
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## 320		transmembrane protein 192, trans
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## 323		glutamate receptor, ionotropic, AMPA 2, trans
## 324		glycine receptor beta, trans
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## 327		transmembrane 131 like, trans
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## 330		uncharacter
## 331		uncharacter
## 332		uncharacterized LOC108648197, trans
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## 340		uncharacter
## 341		uncharacterized LOC108648193, trans
## 342		uncharacterized LOC108648193, trans

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## 344	uncharacterized LOC108648193, trans
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## 347	SH3 domain containing 19, trans
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## 353	small nucl
## 354	small nucl
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## 357	doublecortin like kinase 2, trans
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## 360	uncharacter
## 361	uncharacter
## 362	mitochondria localized glutamic acid rich protein, trans
## 363	solute carrier family 7 member 11, trans
## 364	protocadherin 10, trans
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## 366	uncharacter
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## 371	uncharacter
## 372	adenosine deaminase domain-containing protein 1-like, trans
## 373	adenosine deaminase domain-containing protein 1-like, trans
## 374	adenosine deaminase domain-containing protein 1-like, trans
## 375	protein kinase C delta type-like, trans
## 376	protein kinase C delta type-like, trans
## 377	adenosine deaminase domain-con
## 378	cytochrome P450 family 2 subfamily U member 1, trans
## 379	uncharacter
## 380	uncharacter
## 381	uncharacter
## 382	
## 383	
## 384	
## 385	
## 386	
## 387	uncharacter
## 388	uncharacter
## 389	uncharacter
## 390	
## 391	
## 392	uncharacter
## 393	uncharacter
## 394	small nucl
## 395	small nucl
## 396	chromosome 4 oper

## 397	uncharacterized
## 398	uncharacterized
## 399	glutathione S-transferase, C-terminal domain containing, transmembrane
## 400	
## 401	uncharacterized
## 402	small Cajal body
## 403	uncharacterized LOC116411449, transmembrane
## 404	uncharacterized LOC116411449, transmembrane
## 405	uncharacterized
## 406	RUN and FYVE domain containing 3, transmembrane
## 407	uncharacterized
## 408	uncharacterized LOC105945456, transmembrane
## 409	uncharacterized LOC105945456, transmembrane
## 410	uncharacterized
## 411	uncharacterized
## 412	uncharacterized LOC105948228, transmembrane
## 413	uncharacterized LOC105948228, transmembrane
## 414	uncharacterized LOC116411454, transmembrane
## 415	uncharacterized LOC116411454, transmembrane
## 416	heterogeneous nuclear ribonucleoprotein D, transmembrane
## 417	heterogeneous nuclear ribonucleoprotein D, transmembrane
## 418	heterogeneous nuclear ribonucleoprotein D like, transmembrane
## 419	RNA binding protein with multiple splicing, transmembrane
## 420	Fraser extracellular matrix complex subunit 1, transmembrane
## 421	Fraser extracellular matrix complex subunit 1, transmembrane
## 422	
## 423	uncharacterized LOC100489354, transmembrane
## 424	uncharacterized LOC100489354, transmembrane
## 425	uncharacterized LOC105946056, transmembrane
## 426	uncharacterized LOC105946056, transmembrane
## 427	uncharacterized
## 428	uncharacterized
## 429	uncharacterized
## 430	uncharacterized LOC105948246, transmembrane
## 431	uncharacterized LOC105948246, transmembrane
## 432	uncharacterized
## 433	
## 434	uncharacterized
## 435	uncharacterized
## 436	
## 437	lysine (K)-specific demethylase 4B, transmembrane
## 438	uncharacterized
## 439	uncharacterized
## 440	uncharacterized
## 441	uncharacterized
## 442	uncharacterized LOC108648333, transmembrane
## 443	uncharacterized LOC108648333, transmembrane
## 444	uncharacterized LOC108648333, transmembrane
## 445	uncharacterized LOC108648333, transmembrane
## 446	uncharacterized LOC108648333, transmembrane
## 447	uncharacterized
## 448	uncharacterized LOC105945922, transmembrane
## 449	uncharacterized LOC105945922, transmembrane
## 450	uncharacterized LOC105945922, transmembrane

## 451	uncharacterized LOC105945922, trans
## 452	uncharacterized LOC105945922, trans
## 453	uncharacterized LOC105945922, trans
## 454	uncharacterized LOC105945922, trans
## 455	uncharacterized LOC105945922, trans
## 456	uncharacterized LOC105945922, trans
## 457	uncharacterized LOC105945922, trans
## 458	uncharacterized LOC105945922, trans
## 459	uncharacter
## 460	uncharacter
## 461	uncharacterized LOC116411552, trans
## 462	uncharacterized LOC116411552, trans
## 463	purine-rich element
## 464	nuclear factor I C, trans
## 465	REX1, RNA exonuclease 1 homolog, trans
## 466	U4
## 467	uncharacter
## 468	glutathione peroxidase 4, trans
## 469	
## 470	U6
## 471	
## 472	
## 473	uncharacter
## 474	uncharacter
## 475	
## 476	
## 477	
## 478	
## 479	
## 480	
## 481	UDP-glucuronosyltransferase
## 482	
## 483	
## 484	uncharacterized LOC105945731, trans
## 485	uncharacterized LOC105945731, trans
## 486	uncharacterized LOC105945731, trans
## 487	uncharacterized LOC105945731, trans
## 488	uncharacterized LOC116412003, trans
## 489	BTB domain containing 2, trans
## 490	uncharacter
## 491	uncharacter
## 492	uncharacterized LOC105945613, trans
## 493	uncharacterized LOC105945613, trans
## 494	
## 495	
## 496	
## 497	uncharacter
## 498	uncharacter
## 499	paralemmin 2, trans
## 500	uncharacter
## 501	uncharacter
## 502	uncharacterized LOC101734867, trans
## 503	uncharacterized LOC101734867, trans
## 504	uncharacter

## 505		uncharacter
## 506		uncharacterized LOC105945472, trans
## 507		uncharacterized LOC105945472, trans
## 508		uncharacter
## 509	hook microtubule-tethering protein 3, trans	
## 510		
## 511		uncharacterized LOC101731124, trans
## 512		uncharacterized LOC101731124, trans
## 513		uncharacterized LOC101731124, trans
## 514		
## 515		CUGBP Elav-like family member 5, trans
## 516		CUGBP Elav-like family member 5, trans
## 517	Src homology 2 domain containing adaptor protein B, trans	
## 518		uncharacter
## 519		uncharacter
## 520		uncharacter
## 521	muscle M-line assembly protein unc-89, trans	
## 522		nipsnap homolog 3A, trans
## 523		T-cell acute lymph
## 524		
## 525		uncharacter
## 526		uncharacter
## 527	FRAS1 related extracellular matrix 1, trans	
## 528		zinc finger DHHC-type containing 21, trans
## 529		
## 530		uncharacter
## 531		mi
## 532		regulatory factor X3, trans
## 533		
## 534		uncharacter
## 535		
## 536		U5
## 537		uncharacter
## 538		
## 539		uncharacter
## 540		MAM domain containing 2, trans
## 541		m
## 542		
## 543		uncharacter
## 544		uncharacter
## 545		
## 546		uncharacter
## 547		
## 548		
## 549		
## 550		patched 1, trans
## 551		uncharacter
## 552		uncharacter
## 553		uncharacter
## 554		uncharacterized LOC116406630, trans
## 555		uncharacterized LOC116406630, trans
## 556		uncharacter
## 557		
## 558		

## 559	uncharacterized LOC101731310, tran
## 560	uncharacterized LOC101731310, tran
## 561	uncharacterized LOC101731310, tran
## 562	uncharacterized LOC101731310, tran
## 563	uncharacterized LOC101731310, tran
## 564	uncharacterized LOC101731310, tran
## 565	
## 566	
## 567	uncharacter
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## 570	uncharacter
## 571	uncharacter
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## 621	
## 622	uncharacterized
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## 631	
## 632	
## 633	
## 634	
## 635	uncharacterized LOC100496939, trans
## 636	uncharacterized LOC100496939, trans
## 637	uncharacterized LOC100496939, trans
## 638	uncharacterized LOC100496939, trans
## 639	small nucle
## 640	uncharacterized
## 641	
## 642	uncharacterized
## 643	MORC family CW-type zinc finger 2, trans
## 644	MORC family CW-type zinc finger 2, trans
## 645	uncharacterized
## 646	uncharacterized
## 647	uncharacterized LOC108645063, trans
## 648	uncharacterized LOC108645063, trans
## 649	uncharacterized
## 650	uncharacterized LOC108645148, trans
## 651	uncharacterized LOC108645148, trans
## 652	U2
## 653	uncharacterized
## 654	small G protein signaling modulator 1, trans
## 655	uncharacterized
## 656	
## 657	uncharacterized
## 658	uncharacterized LOC100497306, trans
## 659	uncharacterized LOC100497306, trans
## 660	
## 661	tetratricopeptide repeat domain 28, trans
## 662	U6
## 663	uncharacterized
## 664	BICD family like cargo adaptor 1, trans
## 665	
## 666	U4

## 667		U4
## 668	DEP domain containing 5, trans	
## 669		
## 670		
## 671		
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## 696		
## 697		uncharacter
## 698		
## 699		
## 700		
## 701		
## 702		
## 703		
## 704		m
## 705		
## 706	uncharacterized LOC101733130, trans	
## 707	uncharacterized LOC101733130, trans	
## 708	uncharacterized LOC101733130, trans	
## 709	uncharacterized LOC101733130, trans	
## 710	uncharacterized LOC101732760, trans	
## 711	uncharacterized LOC101732760, trans	
## 712	uncharacter	
## 713	small nucl	
## 714	uncharacter	
## 715	small nucl	
## 716	small nucl	
## 717	uncharacter	
## 718	uncharacterized LOC100488577, trans	
## 719	glycosyltransferase 1 domain containing 1, trans	
## 720		

## 721	
## 722	
## 723	
## 724	
## 725	
## 726	uncharacterized LOC101733658, transmembrane protein
## 727	uncharacterized LOC101733658, transmembrane protein
## 728	uncharacterized LOC101733658, transmembrane protein
## 729	uncharacterized LOC101733658, transmembrane protein
## 730	uncharacterized LOC101733658, transmembrane protein
## 731	uncharacterized LOC101733658, transmembrane protein
## 732	uncharacterized LOC101733658, transmembrane protein
## 733	uncharacterized LOC101733658, transmembrane protein
## 734	uncharacterized LOC101733658, transmembrane protein
## 735	uncharacterized LOC101733658, transmembrane protein
## 736	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2, transmembrane protein
## 737	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2, transmembrane protein
## 738	TRAF-type zinc finger domain containing 1, transmembrane protein
## 739	uncharacterized LOC101733658, transmembrane protein
## 740	
## 741	uncharacterized LOC101733588, transmembrane protein
## 742	uncharacterized LOC101733588, transmembrane protein
## 743	small nuclear ribonucleoprotein A2
## 744	uncharacterized LOC101733588, transmembrane protein
## 745	
## 746	PR domain 6, transmembrane protein
## 747	uncharacterized LOC101733588, transmembrane protein
## 748	
## 749	uncharacterized LOC105948047, transmembrane protein
## 750	uncharacterized LOC105948047, transmembrane protein
## 751	uncharacterized LOC105948047, transmembrane protein
## 752	uncharacterized LOC105948047, transmembrane protein
## 753	uncharacterized LOC105948047, transmembrane protein
## 754	mutated in colorectal cancers, transmembrane protein
## 755	neuronal regeneration related protein, transmembrane protein
## 756	neuronal regeneration related protein, transmembrane protein
## 757	neuronal regeneration related protein, transmembrane protein
## 758	uncharacterized LOC101734714, transmembrane protein
## 759	uncharacterized LOC116407640, transmembrane protein
## 760	uncharacterized LOC116407640, transmembrane protein
## 761	uncharacterized LOC116407640, transmembrane protein
## 762	uncharacterized LOC101734714, transmembrane protein
## 763	uncharacterized LOC101734714, transmembrane protein
## 764	uncharacterized LOC101734714, transmembrane protein
## 765	uncharacterized LOC101734714, transmembrane protein
## 766	uncharacterized LOC101734714, transmembrane protein
## 767	uncharacterized LOC101734714, transmembrane protein
## 768	uncharacterized LOC101734714, transmembrane protein
## 769	uncharacterized LOC101734714, transmembrane protein
## 770	uncharacterized LOC101734714, transmembrane protein
## 771	uncharacterized LOC101734714, transmembrane protein
## 772	uncharacterized LOC101734714, transmembrane protein
## 773	small nuclear ribonucleoprotein A2
## 774	small nuclear ribonucleoprotein A2

## 775	uncharacter
## 776	uncharacter
## 777	uncharacter
## 778	uncharacter
## 779	occ
## 780	small EDRK-rich factor 1 b, trans
## 781	uncharacter
## 782	hexosaminidase B (beta polypeptide), trans
## 783	uncharacter
## 784	uncharacter
## 785	U6
## 786	small nucl
## 787	uncharacter
## 788	uncharacter
## 789	uncharacterized LOC116407907, trans
## 790	uncharacterized LOC116407907, trans
## 791	uncharacter
## 792	uncharacter
## 793	cyclin-dependent kinase 7, trans
## 794	cyclin-dependent kinase 7, trans
## 795	uncharacter
## 796	transcriptional regulator ATRX homolog, trans
## 797	uncharacter
## 798	uncharacter
## 799	uncharacter
## 800	uncharacter
## 801	uncharacter
## 802	uncharacter
## 803	uncharacterized LOC116408341, trans
## 804	uncharacterized LOC116408341, trans
## 805	uncharacter
## 806	serine/threonine-protein kinase N2-like, trans
## 807	uncharacter
## 808	uncharacter
## 809	uncharacter
## 810	glyoxalase domain-containing protein 5-like, trans
## 811	glyoxalase domain-containing protein 5-like, trans
## 812	glyoxalase domain-containing protein 5-like, trans
## 813	glyoxalase domain-containing protein 5-like, trans
## 814	glyoxalase domain-containing protein 5-like, trans
## 815	glyoxalase domain-containing protein 5-like, trans
## 816	glyoxalase domain-containing protein 5-like, trans
## 817	uncharacter
## 818	uncharacter
## 819	
## 820	
## 821	U1
## 822	U1
## 823	U1
## 824	U1
## 825	U1
## 826	U1
## 827	U1
## 828	U1

## 829		U1
## 830		U1
## 831		U1
## 832		U1
## 833		U1
## 834		U1
## 835		U1
## 836		U1
## 837		U1
## 838		U1
## 839		
## 840		
## 841		
## 842	protein kinase C theta type-like, transmembrane	
## 843	protein kinase C theta type-like, transmembrane	
## 844	uncharacterized LOC105948028, transmembrane	
## 845	uncharacterized LOC105948028, transmembrane	
## 846	uncharacterized LOC105948028, transmembrane	
## 847	ribosomal protein L37, transmembrane	
## 848	small nuclear ribonucleoprotein A	
## 849	small nuclear ribonucleoprotein A	
## 850	uncharacterized LOC105948028, transmembrane	
## 851	uncharacterized LOC105948028, transmembrane	
## 852	uncharacterized LOC105948028, transmembrane	
## 853	uncharacterized LOC105948028, transmembrane	
## 854	uncharacterized LOC105948028, transmembrane	
## 855	ciliogenesis and planar polarity effector 1, transmembrane	
## 856	ciliogenesis and planar polarity effector 1, transmembrane	
## 857	ciliogenesis and planar polarity effector 1, transmembrane	
## 858	ciliogenesis and planar polarity effector 1, transmembrane	
## 859	ciliogenesis and planar polarity effector 1, transmembrane	
## 860	ciliogenesis and planar polarity effector 1, transmembrane	
## 861	uncharacterized LOC105948028, transmembrane	
## 862	uncharacterized LOC105948028, transmembrane	
## 863	zinc finger RNA binding protein, transmembrane	
## 864	small nuclear ribonucleoprotein A	
## 865	small nuclear ribonucleoprotein A	
## 866	small nuclear ribonucleoprotein A	
## 867	uncharacterized LOC105948028, transmembrane	
## 868	uncharacterized LOC105948028, transmembrane	
## 869	uncharacterized LOC105948028, transmembrane	
## 870	uncharacterized LOC105948028, transmembrane	
## 871		
## 872	uncharacterized LOC105948028, transmembrane	
## 873	uncharacterized LOC105948028, transmembrane	
## 874	uncharacterized LOC105948028, transmembrane	
## 875	small Cajal body protein 1	
## 876	uncharacterized LOC105948028, transmembrane	
## 877	uncharacterized LOC105948028, transmembrane	
## 878	small nuclear ribonucleoprotein A	
## 879	small nuclear ribonucleoprotein A	
## 880	small nuclear ribonucleoprotein A	
## 881	small nuclear ribonucleoprotein A	
## 882	small nuclear ribonucleoprotein A	

883
 ## 884 solute carrier family 14 (urea transporter), member 2, trans
 ## 885 SET binding protein 1, trans
 ## 886 SET binding protein 1, trans
 ## 887 CUGBP, Elav-like family member 4, trans
 ## 888 CUGBP, Elav-like family member 4, trans
 ## 889 uncharacter
 ## 890 small nucleo
 ## 891 small nucleo
 ## 892 small nucleo
 ## 893 uncharacter
 ## 894 uncharacterized LOC116408224, trans
 ## 895 uncharacterized LOC116408224, trans
 ## 896 uncharacterized LOC116408224, trans
 ## 897 phosphatidylinositol glycan anchor biosynthesis class 0, trans
 ## 898 phosphatidylinositol glycan anchor biosynthesis class 0, trans
 ## 899 uncharacter
 ## 900 von Willebrand factor A domain containing 5A, trans
 ## 901 von Willebrand factor A domain containing 5A, trans
 ## 902 von Willebrand factor A domain containing 5A, trans
 ## 903 mitochondrial amidoxime reducing component 1, trans
 ## 904 mitochondrial amidoxime reducing component 1, trans
 ## 905 mitochondrial amidoxime reducing component 1, trans
 ## 906 mitochondrial amidoxime reducing component 1, trans
 ## 907
 ## 908
 ## 909 uncharacter
 ## 910
 ## 911
 ## 912 resistin, gene 1, trans
 ## 913 resistin, gene 1, trans
 ## 914
 ## 915 uncharacterized LOC108647448, trans
 ## 916 uncharacterized LOC108647448, trans
 ## 917 uncharacterized LOC116408252, trans
 ## 918 uncharacterized LOC116408252, trans
 ## 919 uncharacter
 ## 920 Rho guanine nucleotide exchange factor 39, trans
 ## 921
 ## 922
 ## 923
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 ## 925
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 ## 927
 ## 928 uncharacterized LOC108645376, trans
 ## 929 uncharacterized LOC108645376, trans
 ## 930 uncharacterized LOC108645376, trans
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## 945	oocyte
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## 963	
## 964	uncharacterized
## 965	vang-like protein 1, trans
## 966	
## 967	
## 968	
## 969	
## 970	
## 971	uncharacterized LOC116408734, trans
## 972	uncharacterized LOC116408734, trans
## 973	uncharacterized LOC116408734, trans
## 974	uncharacterized LOC116408734, trans
## 975	uncharacterized LOC116408734, trans
## 976	uncharacterized
## 977	uncharacterized
## 978	uncharacterized
## 979	polymerase (DNA directed), theta, trans
## 980	U4atac minor
## 981	uncharacterized
## 982	
## 983	myelin protein zero-like 1, trans
## 984	
## 985	
## 986	
## 987	uncharacterized
## 988	uncharacterized
## 989	uncharacterized LOC105948531, trans
## 990	uncharacterized LOC105948531, trans

## 991		small nucle
## 992		small nucle
## 993		small nucle
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## 995		
## 996		
## 997		uncharacter
## 998		uncharacter
## 999		uncharacter
## 1000		uncharacterized LOC116408743, trans
## 1001		uncharacterized LOC116408743, trans
## 1002		uncharacterized LOC116408743, trans
## 1003		uncharacterized LOC116408746, trans
## 1004		uncharacterized LOC116408746, trans
## 1005		receptor interacting serine/threonine kinase 4, trans
## 1006		
## 1007		uncharacter
## 1008		uncharacter
## 1009		uncharacter
## 1010		uncharacter
## 1011		
## 1012		
## 1013		
## 1014		
## 1015		
## 1016		
## 1017		uncharacter
## 1018		uncharacter
## 1019		small Cajal bod
## 1020	holocarboxylase synthetase (biotin-(propionyl-CoA-carboxylase (ATP-hydrolysing)) ligase), trans	
## 1021	holocarboxylase synthetase (biotin-(propionyl-CoA-carboxylase (ATP-hydrolysing)) ligase), trans	
## 1022		
## 1023		DOP1 leucine zipper like protein B, trans
## 1024		SET domain containing 4, trans
## 1025	interferon gamma receptor 2 (interferon gamma transducer 1), gene 2, trans	
## 1026		uncharacter
## 1027		uncharacter
## 1028		uncharacter
## 1029		uncharacter
## 1030		uncharacter
## 1031		
## 1032		uncharacter
## 1033		uncharacter
## 1034		uncharacter
## 1035		uncharacter
## 1036		uncharacter
## 1037		protein spinster homolog 1-like, trans
## 1038		uncharacter
## 1039		
## 1040		
## 1041		uncharacter
## 1042		uncharacter
## 1043		uncharacterized LOC116408765, trans
## 1044		uncharacterized LOC116408765, trans

## 1045	uncharacterized LOC116408765, trans
## 1046	
## 1047	
## 1048	mi
## 1049	uncharacter
## 1050	uncharacter
## 1051	uncharacter
## 1052	uncharacter
## 1053	uncharacter
## 1054	uncharacter
## 1055	uncharacter
## 1056	uncharacter
## 1057	uncharacter
## 1058	uncharacter
## 1059	uncharacter
## 1060	uncharacter
## 1061	uncharacter
## 1062	uncharacterized LOC116408773, trans
## 1063	uncharacterized LOC116408773, trans
## 1064	uncharacterized LOC116408774, trans
## 1065	uncharacterized LOC116408774, trans
## 1066	uncharacter
## 1067	uncharacterized LOC116408776, trans
## 1068	uncharacterized LOC116408776, trans
## 1069	anaphase-promoting complex subunit 4-like, trans
## 1070	uncharacter
## 1071	uncharacter
## 1072	uncharacter
## 1073	uncharacter
## 1074	uncharacter
## 1075	uncharacter
## 1076	uncharacter
## 1077	uncharacter
## 1078	uncharacterized LOC116408783, trans
## 1079	uncharacterized LOC116408783, trans
## 1080	uncharacter
## 1081	uncharacter
## 1082	zona pellucida sperm-bindin
## 1083	uncharacter
## 1084	anaphase-promoting complex subunit 4-like, trans
## 1085	anaphase-promoting complex subunit 4-like, trans
## 1086	anaphase-promoting complex subunit 4-like, trans
## 1087	anaphase-promoting complex subunit 4-like, trans
## 1088	uncharacter
## 1089	protein kinase C-like, trans
## 1090	uncharacter
## 1091	adaptor related protein complex 1 subunit sigma 2, trans
## 1092	adaptor related protein complex 1 subunit sigma 2, trans
## 1093	adaptor related protein complex 1 subunit sigma 2, trans
## 1094	adaptor related protein complex 1 subunit sigma 2, trans
## 1095	adaptor related protein complex 1 subunit sigma 2, trans
## 1096	adaptor related protein complex 1 subunit sigma 2, trans
## 1097	adaptor related protein complex 1 subunit sigma 2, trans
## 1098	uncharacter

## 1099	uncharacter
## 1100	uncharacter
## 1101	uncharacterized LOC108644469, tran
## 1102	uncharacterized LOC108644469, tran
## 1103	golgi SNAP receptor complex member 1, tran
## 1104	
## 1105	uncharacter
## 1106	uncharacter
## 1107	uncharacter
## 1108	
## 1109	flotillin 2, tran
## 1110	flotillin 2, tran
## 1111	uncharacter
## 1112	
## 1113	
## 1114	coronin-6-like, tran
## 1115	TSR1, ribosome maturation factor, tran
## 1116	TSR1, ribosome maturation factor, tran
## 1117	uncharacter
## 1118	
## 1119	
## 1120	
## 1121	uncharacterized LOC105946500, tran
## 1122	uncharacterized LOC105946500, tran
## 1123	uncharacterized LOC105946500, tran
## 1124	uncharacterized LOC105946500, tran
## 1125	uncharacter
## 1126	small
## 1127	small
## 1128	small
## 1129	small
## 1130	small
## 1131	small
## 1132	small
## 1133	small
## 1134	small
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## 1150	small
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## 1160	small
## 1161	small
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## 1177	small
## 1178	small
## 1179	
## 1180	small
## 1181	uncharacter:
## 1182	syntaxin 1A, trans
## 1183	syntaxin 1A, trans
## 1184	caspase recruitment domain family member 18, trans
## 1185	caspase recruitment domain family member 18, trans
## 1186	caspase recruitment domain family member 18, trans
## 1187	uncharacter:
## 1188	m.
## 1189	m.
## 1190	uncharacter:
## 1191	uncharacter:
## 1192	
## 1193	
## 1194	uncharacter:
## 1195	
## 1196	uncharacter:
## 1197	uncharacter:
## 1198	uncharacter:
## 1199	uncharacter:
## 1200	uncharacter:
## 1201	U6
## 1202	U6
## 1203	U6
## 1204	U6
## 1205	U6
## 1206	RNA,

## 1207		U6
## 1208		U6
## 1209		U6
## 1210		U6
## 1211		U6
## 1212		U6
## 1213		U6
## 1214		U6
## 1215		U6
## 1216		U6
## 1217		U6
## 1218		U6
## 1219		uncharacter
## 1220		uncharacter
## 1221	coiled-coil domain-containing protein 92-like, transmembrane	
## 1222		uncharacter
## 1223		uncharacter
## 1224		
## 1225		uncharacter
## 1226		uncharacter
## 1227		uncharacterized LOC108645765, transmembrane
## 1228		uncharacterized LOC108645765, transmembrane
## 1229		uncharacter
## 1230		uncharacter
## 1231		uncharacterized LOC105948483, transmembrane
## 1232		uncharacterized LOC105948483, transmembrane
## 1233		uncharacter
## 1234		
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## 1238		uncharacter
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## 1241		uncharacter
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## 1245		uncharacter
## 1246		uncharacter
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## 1250		
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## 1255		
## 1256		
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## 1288	
## 1289	
## 1290	
## 1291	zinc finger protein 35, trans
## 1292	uncharacter
## 1293	tripartite mo
## 1294	myogenin (myogenic factor 4), trans
## 1295	uncharacter
## 1296	uncharacter
## 1297	
## 1298	
## 1299	uncharacter
## 1300	uncharacter
## 1301	U6
## 1302	uncharacter
## 1303	Wnt family member 2B, trans
## 1304	uncharacter
## 1305	
## 1306	uncharacter
## 1307	uncharacter
## 1308	kinesin family member 21B, trans
## 1309	uncharacter
## 1310	uncharacter
## 1311	uncharacter
## 1312	uncharacter
## 1313	uncharacter
## 1314	uncharacter

## 1315	uncharacterized LOC105948383, trans
## 1316	uncharacterized LOC105948383, trans
## 1317	uncharacter
## 1318	uncharacter
## 1319	uncharacter
## 1320	uncharacter
## 1321	uncharacter
## 1322	uncharacter
## 1323	chitinase-like, acidic, trans
## 1324	uncharacter
## 1325	cytochrome b561 family member D1, trans
## 1326	uncharacter
## 1327	uncharacter
## 1328	kelch domain containing 8A, trans
## 1329	
## 1330	
## 1331	uncharacter
## 1332	m
## 1333	uncharacterized LOC116408838, trans
## 1334	uncharacterized LOC116408838, trans
## 1335	uncharacterized LOC116408838, trans
## 1336	uncharacterized LOC116408838, trans
## 1337	uncharacter
## 1338	uncharacter
## 1339	uncharacter
## 1340	uncharacter
## 1341	Ras association domain family member 5, trans
## 1342	
## 1343	
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## 1443	
## 1444	
## 1445	
## 1446	serine/arginine-rich splicing factor 1, trans
## 1447	uncharacter
## 1448	uncharacter
## 1449	uncharacter
## 1450	uncharacter
## 1451	uncharacter
## 1452	uncharacter
## 1453	uncharacterized LOC105946735, trans
## 1454	uncharacterized LOC105946735, trans
## 1455	AT-hook DNA binding motif containing 1, trans
## 1456	AT-hook DNA binding motif containing 1, trans
## 1457	AT-hook DNA binding motif containing 1, trans
## 1458	
## 1459	U11
## 1460	uncharacter
## 1461	cAMP-dependent protein kinase inhibitor beta, trans
## 1462	small Cajal bod
## 1463	
## 1464	
## 1465	uncharacter
## 1466	uncharacterized LOC116408847, trans
## 1467	uncharacterized LOC116408847, trans
## 1468	uncharacterized LOC116408847, trans
## 1469	
## 1470	
## 1471	splicing factor proline and glutamine rich, trans
## 1472	splicing factor proline and glutamine rich, trans
## 1473	uncharacter
## 1474	uncharacter
## 1475	uncharacter
## 1476	uncharacterized LOC100495928, trans

## 1477	uncharacterized LOC100495928, trans
## 1478	uncharacterized LOC100495928, trans
## 1479	uncharacterized LOC100495928, trans
## 1480	small nucleolar RNA
## 1481	small nucleolar RNA
## 1482	small nucleolar RNA
## 1483	small nucleolar RNA
## 1484	small nucleolar RNA
## 1485	small nucleolar RNA
## 1486	small nucleolar RNA
## 1487	small nucleolar RNA
## 1488	uncharacter
## 1489	uncharacter
## 1490	uncharacterized LOC116408851, trans
## 1491	uncharacterized LOC116408851, trans
## 1492	BSD domain containing 1, trans
## 1493	
## 1494	m
## 1495	uncharacter
## 1496	uncharacter
## 1497	uncharacter
## 1498	uncharacter
## 1499	uncharacter
## 1500	uncharacter
## 1501	
## 1502	uncharacter
## 1503	uncharacter
## 1504	tRNA isopentenyltransferase 1, trans
## 1505	poly(A) binding prote
## 1506	poly(A) binding protein cytoplasmic 4, trans
## 1507	poly(A) binding protein cytoplasmic 4, trans
## 1508	small nucl
## 1509	small nucl
## 1510	small r
## 1511	small r
## 1512	small nucl
## 1513	small nucl
## 1514	uncharacter
## 1515	uncharacterized LOC100490302, trans
## 1516	uncharacter
## 1517	uncharacter
## 1518	Z30 sma
## 1519	uncharacter
## 1520	uncharacter
## 1521	spindle and kinetochore associated complex subunit 2, trans
## 1522	spindle and kinetochore associated complex subunit 2, trans
## 1523	spindle and kinetochore associated complex subunit 2, trans
## 1524	spindle and kinetochore associated complex subunit 2, trans
## 1525	spindle and kinetochore associated complex subunit 2, trans
## 1526	spindle and kinetochore associated complex subunit 2, trans
## 1527	r
## 1528	m
## 1529	uncharacter
## 1530	

## 1531	U4
## 1532	U4
## 1533	U4
## 1534	U4
## 1535	U4
## 1536	U4
## 1537	U4
## 1538	U4
## 1539	U4
## 1540	U4
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## 1560	U4
## 1561	U4
## 1562	U4
## 1563	U4
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## 1566	U4
## 1567	U4
## 1568	U4
## 1569	U4
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## 1596	U4
## 1597	U4
## 1598	U4
## 1599	U4
## 1600	U4
## 1601	U4
## 1602	U4
## 1603	U4
## 1604	U4
## 1605	U4
## 1606	U4
## 1607	U4
## 1608	U4
## 1609	U4
## 1610	U4
## 1611	U4
## 1612	U4
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## 1627	U4
## 1628	U4
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## 1639	U4
## 1640	U4
## 1641	U4
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## 1649	U4
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## 1710		U4
## 1711		U4
## 1712		U4
## 1713		U4
## 1714		U4
## 1715	lamina-associated polypeptide 2, isoforms alpha/zeta, trans	
## 1716	lamina-associated polypeptide 2, isoforms alpha/zeta, trans	
## 1717	lamina-associated polypeptide 2, isoforms alpha/zeta, trans	
## 1718	lamina-associated polypeptide 2, isoforms alpha/zeta, trans	
## 1719	uncharacterized	
## 1720	small nucleolar protein	
## 1721	small nucleolar protein	
## 1722	small nucleolar protein	
## 1723	small nucleolar protein	
## 1724	uncharacterized LOC100486074, trans	
## 1725	uncharacterized LOC100486074, trans	
## 1726	uncharacterized LOC100486074, trans	
## 1727	uncharacterized LOC100486074, trans	
## 1728	uncharacterized LOC100486074, trans	
## 1729	uncharacterized LOC100486074, trans	
## 1730	uncharacterized LOC100486074, trans	
## 1731	uncharacterized LOC100486074, trans	
## 1732	uncharacterized LOC100486074, trans	
## 1733	small nucleolar protein	
## 1734	small nucleolar protein	
## 1735	small nucleolar protein	
## 1736	small nucleolar protein	
## 1737	small nucleolar protein	
## 1738	small nucleolar protein	
## 1739	uncharacterized	
## 1740	spinster homolog 2, trans	
## 1741		
## 1742		
## 1743	uncharacterized	
## 1744	uncharacterized	
## 1745	PEST proteolytic signal containing nuclear protein, trans	
## 1746	uncharacterized	

## 1747		uncharacter
## 1748		uncharacter
## 1749		uncharacter
## 1750	uncharacterized LOC105946715, trans	
## 1751	uncharacterized LOC105946715, trans	
## 1752		uncharacter
## 1753		uncharacter
## 1754		uncharacter
## 1755		
## 1756	uncharacterized LOC101734081, trans	
## 1757	uncharacterized LOC101734081, trans	
## 1758		uncharacter
## 1759	tubulin gamma complex associated protein 5, trans	
## 1760	protein phosphatase 2 regulatory subunit B', beta, trans	
## 1761		uncharacter
## 1762		uncharacter
## 1763		uncharacter
## 1764		uncharacter
## 1765		uncharacter
## 1766	tripeptidyl peptidase 2, trans	
## 1767		uncharacter
## 1768	dedicator of cytokinesis 9, trans	
## 1769		uncharacter
## 1770		uncharacter
## 1771		m.
## 1772		m.
## 1773		
## 1774		
## 1775		
## 1776		
## 1777		uncharacter
## 1778		uncharacter
## 1779		uncharacter
## 1780	uncharacterized LOC105946542, trans	
## 1781	uncharacterized LOC105946542, trans	
## 1782	uncharacterized LOC105946542, trans	
## 1783	uncharacterized LOC105946545, trans	
## 1784	uncharacterized LOC105946545, trans	
## 1785		uncharacter
## 1786		uncharacter
## 1787		uncharacter
## 1788		uncharacter
## 1789		uncharacter
## 1790		uncharacter
## 1791	U6	
## 1792		
## 1793		uncharacter
## 1794	uncharacterized LOC116408704, trans	
## 1795	uncharacterized LOC116408704, trans	
## 1796		uncharacter
## 1797		small nucl
## 1798		
## 1799		uncharacter
## 1800	formin like 3, trans	

## 1801	small nucleolar RNA SNORA
## 1802	small nucleolar RNA SNORA
## 1803	uncharacterized
## 1804	
## 1805	uncharacterized
## 1806	uncharacterized
## 1807	small nucleolar RNA
## 1808	small nucleolar RNA
## 1809	small nucleolar RNA
## 1810	uncharacterized
## 1811	uncharacterized
## 1812	
## 1813	uncharacterized LOC105946557, transcribed
## 1814	uncharacterized LOC105946557, transcribed
## 1815	
## 1816	tetraspanin 31, transmembrane
## 1817	
## 1818	uncharacterized
## 1819	uncharacterized
## 1820	uncharacterized
## 1821	
## 1822	uncharacterized
## 1823	
## 1824	heterogeneous nuclear ribonucleoprotein A1, transcribed
## 1825	heterogeneous nuclear ribonucleoprotein A1, transcribed
## 1826	heterogeneous nuclear ribonucleoprotein A1, transcribed
## 1827	heterogeneous nuclear ribonucleoprotein A1, transcribed
## 1828	heterogeneous nuclear ribonucleoprotein A1, transcribed
## 1829	heterogeneous nuclear ribonucleoprotein A1, transcribed
## 1830	
## 1831	uncharacterized
## 1832	uncharacterized
## 1833	
## 1834	uncharacterized
## 1835	uncharacterized
## 1836	extended synaptotagmin-1-like, transmembrane
## 1837	uncharacterized
## 1838	uncharacterized
## 1839	uncharacterized LOC100488892, transcribed
## 1840	uncharacterized LOC100488892, transcribed
## 1841	uncharacterized LOC100488892, transcribed
## 1842	uncharacterized
## 1843	
## 1844	
## 1845	uncharacterized
## 1846	uncharacterized
## 1847	
## 1848	uncharacterized
## 1849	serine-rich and transmembrane domain-containing 1, transmembrane
## 1850	uncharacterized
## 1851	uncharacterized
## 1852	uncharacterized
## 1853	
## 1854	uncharacterized LOC105946588, transcribed

## 1855	uncharacterized LOC105946588, trans
## 1856	uncharacterized LOC105946588, trans
## 1857	
## 1858	
## 1859	
## 1860	small nucleolar RNA
## 1861	uncharacterized
## 1862	uncharacterized
## 1863	uncharacterized
## 1864	uncharacterized
## 1865	uncharacterized
## 1866	uncharacterized
## 1867	rho GTPase-activating protein 42, trans
## 1868	rho GTPase-activating protein 42, trans
## 1869	rho GTPase-activating protein 42, trans
## 1870	rho GTPase-activating protein 42, trans
## 1871	rho GTPase-activating protein 42, trans
## 1872	uncharacterized LOC101730439, trans
## 1873	large tumor suppressor kinase 2, trans
## 1874	uncharacterized LOC108645819, trans
## 1875	uncharacterized LOC108645819, trans
## 1876	uncharacterized LOC108645819, trans
## 1877	uncharacterized LOC108645819, trans
## 1878	poly(ADP-ribose) polymerase family member 4, trans
## 1879	paraspeckle component 1, trans
## 1880	paraspeckle component 1, trans
## 1881	paraspeckle component 1, trans
## 1882	uncharacterized
## 1883	
## 1884	
## 1885	uncharacterized
## 1886	uncharacterized
## 1887	
## 1888	uncharacterized
## 1889	uncharacterized LOC108645827, trans
## 1890	uncharacterized LOC108645827, trans
## 1891	uncharacterized LOC108645827, trans
## 1892	uncharacterized LOC108645827, trans
## 1893	uncharacterized LOC108645827, trans
## 1894	uncharacterized LOC108645827, trans
## 1895	uncharacterized LOC108645827, trans
## 1896	uncharacterized
## 1897	uncharacterized
## 1898	uncharacterized
## 1899	uncharacterized
## 1900	uncharacterized
## 1901	uncharacterized
## 1902	uncharacterized
## 1903	small nucleolar RNA
## 1904	CREB/ATF bZIP transcription factor, trans
## 1905	small nucleolar RNA
## 1906	small nucleolar RNA
## 1907	small nucleolar RNA
## 1908	small nucleolar RNA

## 1909	
## 1910	
## 1911	uncharacterized LOC116408647, transmembrane protein
## 1912	uncharacterized LOC116408647, transmembrane protein
## 1913	uncharacterized LOC116408647, transmembrane protein
## 1914	uncharacterized LOC116408647, transmembrane protein
## 1915	uncharacterized LOC116408647, transmembrane protein
## 1916	uncharacterized LOC116408647, transmembrane protein
## 1917	proteasomal ATPase-associated factor 1, transmembrane protein
## 1918	proteasomal ATPase-associated factor 1, transmembrane protein
## 1919	uncharacterized LOC116408647, transmembrane protein
## 1920	uncharacterized LOC116408647, transmembrane protein
## 1921	uncharacterized LOC116408640, transmembrane protein
## 1922	uncharacterized LOC116408640, transmembrane protein
## 1923	uncharacterized LOC116408640, transmembrane protein
## 1924	uncharacterized LOC116408640, transmembrane protein
## 1925	proteasomal ATPase-associated factor 1, transmembrane protein
## 1926	proteasomal ATPase-associated factor 1, transmembrane protein
## 1927	uncharacterized LOC116408642, transmembrane protein
## 1928	uncharacterized LOC116408642, transmembrane protein
## 1929	uncharacterized LOC116408642, transmembrane protein
## 1930	uncharacterized LOC105946617, transmembrane protein
## 1931	uncharacterized LOC105946617, transmembrane protein
## 1932	
## 1933	
## 1934	uncharacterized LOC116408635, transmembrane protein
## 1935	uncharacterized LOC116408635, transmembrane protein
## 1936	uncharacterized LOC116408635, transmembrane protein
## 1937	uncharacterized LOC116408635, transmembrane protein
## 1938	uncharacterized LOC116408645, transmembrane protein
## 1939	uncharacterized LOC116408645, transmembrane protein
## 1940	uncharacterized LOC116408645, transmembrane protein
## 1941	uncharacterized LOC116408645, transmembrane protein
## 1942	uncharacterized LOC116408645, transmembrane protein
## 1943	uncharacterized LOC116408649, transmembrane protein
## 1944	uncharacterized LOC116408649, transmembrane protein
## 1945	uncharacterized LOC116408639, transmembrane protein
## 1946	uncharacterized LOC116408639, transmembrane protein
## 1947	uncharacterized LOC116408638, transmembrane protein
## 1948	uncharacterized LOC116408638, transmembrane protein
## 1949	uncharacterized LOC116408638, transmembrane protein
## 1950	uncharacterized LOC116408650, transmembrane protein
## 1951	uncharacterized LOC116408650, transmembrane protein
## 1952	uncharacterized LOC116408650, transmembrane protein
## 1953	uncharacterized LOC116408656, transmembrane protein
## 1954	uncharacterized LOC116408656, transmembrane protein
## 1955	uncharacterized LOC116408656, transmembrane protein
## 1956	uncharacterized LOC116408656, transmembrane protein
## 1957	uncharacterized LOC116408656, transmembrane protein
## 1958	uncharacterized LOC116408656, transmembrane protein
## 1959	uncharacterized LOC116408656, transmembrane protein
## 1960	uncharacterized LOC101733677, transmembrane protein
## 1961	uncharacterized LOC116408656, transmembrane protein
## 1962	uncharacterized LOC116408656, transmembrane protein

## 1963	uncharacter
## 1964	uncharacterized LOC116408651, trans
## 1965	uncharacterized LOC116408651, trans
## 1966	autophagy related 16 like 2, trans
## 1967	
## 1968	uncharacter
## 1969	uncharacter
## 1970	uncharacterized LOC101734567, trans
## 1971	uncharacterized LOC101734567, trans
## 1972	uncharacter
## 1973	uncharacterized LOC116408920, trans
## 1974	uncharacterized LOC116408920, trans
## 1975	uncharacterized LOC116408920, trans
## 1976	uncharacter
## 1977	uncharacter
## 1978	uncharacterized LOC105945784, trans
## 1979	uncharacterized LOC105945784, trans
## 1980	uncharacterized LOC116408922, trans
## 1981	uncharacterized LOC116408922, trans
## 1982	uncharacterized LOC116408922, trans
## 1983	uncharacterized LOC116408922, trans
## 1984	uncharacterized LOC116408922, trans
## 1985	uncharacterized LOC116408922, trans
## 1986	uncharacterized LOC116408922, trans
## 1987	uncharacter
## 1988	
## 1989	uncharacterized LOC116408923, trans
## 1990	uncharacterized LOC116408923, trans
## 1991	uncharacterized LOC116408923, trans
## 1992	uncharacterized LOC101733363, trans
## 1993	uncharacterized LOC101733363, trans
## 1994	uncharacter
## 1995	uncharacter
## 1996	uncharacter
## 1997	uncharacter
## 1998	uncharacter
## 1999	uncharacter
## 2000	vomeronasal type-2
## 2001	vomeronasal type-2
## 2002	vomeronasal type-2
## 2003	vomeronasal type-2
## 2004	uncharacter
## 2005	vomeronasal t
## 2006	vomeronasal type-2
## 2007	vomeronasal type-2
## 2008	vomeronasal type-2 receptor 26, trans
## 2009	vomeronasal type-2 receptor 26, trans
## 2010	vomeronasal t
## 2011	vomeronasal type-2
## 2012	vomeronasal type-2
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## 2014	vomeronasal t
## 2015	vomeronasal t
## 2016	vomeronasal type-2

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## 2125	
## 2126	
## 2127	uncharacter
## 2128	solute carrier organic anion transporter family member 1A2, tran
## 2129	solute carrier organic anion transporter family member 1A2, tran
## 2130	nuclear receptor interacting protein 3, tran
## 2131	nuclear receptor interacting protein 3, tran
## 2132	uncharacter
## 2133	uncharacter
## 2134	uncharacter
## 2135	uncharacter
## 2136	uncharacterized LOC105945878, tran
## 2137	uncharacterized LOC105945878, tran
## 2138	
## 2139	
## 2140	uncharacter
## 2141	U2
## 2142	hemagglutinin/amebocyte aggregation factor, tran
## 2143	small
## 2144	small
## 2145	uncharacter
## 2146	small
## 2147	small
## 2148	small
## 2149	uncharacter
## 2150	
## 2151	uncharacter
## 2152	uncharacter
## 2153	small
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## 2177	
## 2178	uncharacter

## 2179	ELKS/RAB6-interacting/CAST family member 1, transmembrane protein 1
## 2180	
## 2181	uncharacterized LOC116409458, transmembrane protein 1
## 2182	uncharacterized LOC116409458, transmembrane protein 1
## 2183	uncharacterized LOC116409458, transmembrane protein 1
## 2184	uncharacterized LOC116409458, transmembrane protein 1
## 2185	uncharacterized LOC116409458, transmembrane protein 1
## 2186	uncharacterized LOC116409458, transmembrane protein 1
## 2187	uncharacterized LOC116409458, transmembrane protein 1
## 2188	glutamate receptor, ionotropic, AMPA 1, transmembrane protein 1
## 2189	
## 2190	uncharacterized LOC116409458, transmembrane protein 1
## 2191	
## 2192	uncharacterized LOC116409689, transmembrane protein 1
## 2193	uncharacterized LOC116409689, transmembrane protein 1
## 2194	uncharacterized LOC116409689, transmembrane protein 1
## 2195	uncharacterized LOC116409689, transmembrane protein 1
## 2196	uncharacterized LOC116409689, transmembrane protein 1
## 2197	uncharacterized LOC116409690, transmembrane protein 1
## 2198	uncharacterized LOC116409690, transmembrane protein 1
## 2199	uncharacterized LOC116409690, transmembrane protein 1
## 2200	uncharacterized LOC116409690, transmembrane protein 1
## 2201	intraflagellar transport protein 22 homolog, transmembrane protein 1
## 2202	uncharacterized LOC116409692, transmembrane protein 1
## 2203	uncharacterized LOC116409692, transmembrane protein 1
## 2204	uncharacterized LOC116409692, transmembrane protein 1
## 2205	uncharacterized LOC116409692, transmembrane protein 1
## 2206	uncharacterized LOC116409692, transmembrane protein 1
## 2207	uncharacterized LOC116409692, transmembrane protein 1
## 2208	uncharacterized LOC116409692, transmembrane protein 1
## 2209	uncharacterized LOC116409692, transmembrane protein 1
## 2210	
## 2211	antioxidant 1 copper chaperone, transmembrane protein 1
## 2212	antioxidant 1 copper chaperone, transmembrane protein 1
## 2213	antioxidant 1 copper chaperone, transmembrane protein 1
## 2214	solute carrier family 36 (proton/amino acid symporter), member 1, transmembrane protein 1
## 2215	solute carrier family 36 (proton/amino acid symporter), member 1, transmembrane protein 1
## 2216	
## 2217	uncharacterized LOC116409692, transmembrane protein 1
## 2218	hepatitis A virus cellular receptor 1, transmembrane protein 1
## 2219	uncharacterized LOC116409692, transmembrane protein 1
## 2220	uncharacterized LOC100495624, transmembrane protein 1
## 2221	uncharacterized LOC100495624, transmembrane protein 1
## 2222	uncharacterized LOC100495624, transmembrane protein 1
## 2223	uncharacterized LOC100495624, transmembrane protein 1
## 2224	uncharacterized LOC100495624, transmembrane protein 1
## 2225	uncharacterized LOC100495624, transmembrane protein 1
## 2226	uncharacterized LOC100495624, transmembrane protein 1
## 2227	uncharacterized LOC100495624, transmembrane protein 1
## 2228	uncharacterized LOC100495624, transmembrane protein 1
## 2229	uncharacterized LOC100495624, transmembrane protein 1
## 2230	uncharacterized LOC100495624, transmembrane protein 1
## 2231	uncharacterized LOC100495624, transmembrane protein 1
## 2232	uncharacterized LOC100495624, transmembrane protein 1

## 2233		uncharacter
## 2234		uncharacter
## 2235		uncharacter
## 2236		
## 2237	uncharacterized LOC105946789, trans	
## 2238	uncharacterized LOC105946789, trans	
## 2239		uncharacter
## 2240		uncharacter
## 2241	uncharacterized LOC101734158, trans	
## 2242	uncharacterized LOC101734158, trans	
## 2243	uncharacterized LOC101734158, trans	
## 2244	uncharacterized LOC105946784, trans	
## 2245	uncharacterized LOC105946784, trans	
## 2246	uncharacterized LOC105946784, trans	
## 2247	uncharacterized LOC105946784, trans	
## 2248	uncharacterized LOC105946784, trans	
## 2249		uncharacter
## 2250		
## 2251		
## 2252		
## 2253	hyaluronan-mediated motility receptor-like, trans	
## 2254		
## 2255		
## 2256		uncharacter
## 2257		uncharacter
## 2258	uncharacterized LOC105946792, trans	
## 2259	uncharacterized LOC105946792, trans	
## 2260		uncharacter
## 2261		uncharacter
## 2262		prote
## 2263		
## 2264		uncharacter
## 2265		RELT-like 2, trans
## 2266		
## 2267		uncharacter
## 2268		uncharacter
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## 2270		
## 2271	family with sequence similarity 13 member B, trans	
## 2272		m
## 2273		m
## 2274		uncharacter
## 2275		uncharacter
## 2276		uncharacter
## 2277		uncharacter
## 2278		uncharacter
## 2279		uncharacter
## 2280		uncharacter
## 2281	prolyl 4-hydroxylase, alpha polypeptide 2, trans	
## 2282		uncharacter
## 2283		uncharacter
## 2284		
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## 2288	uncharacterized LOC100495377, trans
## 2289	uncharacterized LOC100495377, trans
## 2290	small nucleolus
## 2291	small nucleolus
## 2292	small nucleolus
## 2293	small nucleolus
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## 2298	uncharacterized
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## 2301	uncharacterized
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## 2303	uncharacterized
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## 2305	uncharacterized
## 2306	uncharacterized
## 2307	vomeroneural type-2
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## 2309	uncharacterized
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## 2311	uncharacterized
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## 2314	uncharacterized
## 2315	lateral signaling target protein 2 homolog, trans
## 2316	U5
## 2317	uncharacterized
## 2318	uncharacterized
## 2319	uncharacterized
## 2320	apoptotic peptidase activating factor 1, trans
## 2321	uncharacterized
## 2322	uncharacterized
## 2323	uncharacterized
## 2324	uncharacterized
## 2325	
## 2326	NEDD1 gamma-tubulin ring complex targeting factor, trans
## 2327	m
## 2328	small nucleolus
## 2329	small nucleolus
## 2330	uncharacterized
## 2331	
## 2332	uncharacterized
## 2333	uncharacterized LOC101731354, trans
## 2334	uncharacterized LOC101731354, trans
## 2335	uncharacterized LOC101731354, trans
## 2336	uncharacterized LOC101731354, trans
## 2337	uncharacterized LOC101731354, trans
## 2338	uncharacterized LOC101731354, trans
## 2339	uncharacterized LOC101731354, trans
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## 2341	uncharacter
## 2342	uncharacter
## 2343	uncharacter
## 2344	uncharacter
## 2345	small nucl
## 2346	small nucl
## 2347	uncharacter
## 2348	uncharacter
## 2349	uncharacterized LOC101734767, trans
## 2350	uncharacterized LOC101734767, trans
## 2351	uncharacterized LOC101734767, trans
## 2352	uncharacterized LOC101734767, trans
## 2353	uncharacterized LOC101734767, trans
## 2354	uncharacterized LOC101734767, trans
## 2355	uncharacterized LOC101734767, trans
## 2356	uncharacterized LOC101734767, trans
## 2357	uncharacterized LOC101734767, trans
## 2358	uncharacterized LOC101734767, trans
## 2359	uncharacter
## 2360	uncharacter
## 2361	uncharacter
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## 2363	uncharacter
## 2364	uncharacter
## 2365	uncharacterized LOC100488397, trans
## 2366	uncharacterized LOC100488397, trans
## 2367	uncharacterized LOC100488397, trans
## 2368	uncharacterized LOC100488397, trans
## 2369	uncharacterized LOC100488397, trans
## 2370	uncharacterized LOC100488397, trans
## 2371	uncharacter
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## 2378	uncharacterized LOC105946847, trans
## 2379	uncharacterized LOC105946847, trans
## 2380	uncharacterized LOC105946847, trans
## 2381	uncharacterized LOC105946847, trans
## 2382	uncharacter
## 2383	uncharacterized LOC116409485, trans
## 2384	uncharacterized LOC116409485, trans
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## 2391	uncharacter
## 2392	uncharacter
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## 2394	uncharacter

## 2395		uncharacter
## 2396	inter-alpha-trypsin inhibitor heavy chain family member 5, trans	
## 2397		transmembrane protein 110, like, trans
## 2398		uncharacterized LOC105946852, trans
## 2399		uncharacterized LOC105946852, trans
## 2400		uncharacter
## 2401		
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## 2403		uncharacterized LOC116409752, trans
## 2404		uncharacterized LOC116409752, trans
## 2405		uncharacter
## 2406		small lysine rich protein 1, trans
## 2407		small lysine rich protein 1, trans
## 2408		
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## 2415	NME/NM23 nucleoside diphosphate kinase 6, trans	
## 2416	NME/NM23 nucleoside diphosphate kinase 6, trans	
## 2417		uncharacterized LOC100487908, trans
## 2418		uncharacterized LOC100487908, trans
## 2419		uncharacterized LOC100487908, trans
## 2420		uncharacterized LOC100487908, trans
## 2421		uncharacterized LOC100487908, trans
## 2422		uncharacterized LOC100487908, trans
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## 2428		uncharacter
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## 2430		uncharacter
## 2431		talin 2, trans
## 2432		uncharacter
## 2433		myosin 9a, trans
## 2434		uncharacter
## 2435		uncharacter
## 2436		uncharacter
## 2437	interactor of little elongation complex ELL subunit 2, trans	
## 2438		uncharacter
## 2439		small nucl
## 2440		small nucl
## 2441		small nucl
## 2442	RNA binding protein with multiple splicing 2, trans	
## 2443		uncharacter
## 2444		uncharacterized LOC116409765, trans
## 2445		uncharacterized LOC116409765, trans
## 2446	phosphopantothenoylcysteine decarboxylase, trans	
## 2447	phosphopantothenoylcysteine decarboxylase, trans	
## 2448		

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## 2482	uncharacterized
## 2483	uncharacterized
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## 2485	uncharacterized LOC116409768, trans
## 2486	uncharacterized LOC116409768, trans
## 2487	uncharacterized LOC116409768, trans
## 2488	uncharacterized LOC101734496, trans
## 2489	uncharacterized LOC101734496, trans
## 2490	uncharacterized
## 2491	myocardial zonula adherens protein, trans
## 2492	uncharacterized
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## 2496	uncharacterized
## 2497	uncharacterized
## 2498	uncharacterized LOC105946762, trans
## 2499	uncharacterized LOC105946762, trans
## 2500	spermatogenesis associated 5-like 1, trans
## 2501	transient receptor potential cation channel subfamily M member 7, trans
## 2502	uncharacterized

## 2503	GA binding protein transcription factor subunit beta 1, trans
## 2504	GA binding protein transcription factor subunit beta 1, trans
## 2505	uncharacter
## 2506	uncharacterized LOC108646180, trans
## 2507	uncharacterized LOC108646180, trans
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## 2509	uncharacter
## 2510	elongation factor RNA polymerase II-like 3, trans
## 2511	uncharacter
## 2512	uncharacter
## 2513	uncharacterized LOC116409775, trans
## 2514	uncharacterized LOC116409775, trans
## 2515	uncharacter
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## 2520	kinesin family member 7, trans
## 2521	kinesin family member 7, trans
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## 2528	uncharacter
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## 2530	uncharacterized LOC116409778, trans
## 2531	uncharacterized LOC116409778, trans
## 2532	uncharacter
## 2533	uncharacterized LOC101733479, trans
## 2534	uncharacterized LOC101733479, trans
## 2535	uncharacterized LOC101733479, trans
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## 2538	uncharacter
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## 2540	uncharacter
## 2541	uncharacterized LOC105946774, trans
## 2542	uncharacterized LOC105946774, trans
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## 2545	uncharacterized LOC105946774, trans
## 2546	uncharacterized LOC105946774, trans
## 2547	uncharacterized LOC105946774, trans
## 2548	uncharacterized LOC105946774, trans
## 2549	uncharacterized LOC105946774, trans
## 2550	uncharacter
## 2551	
## 2552	uncharacter
## 2553	ankyrin repeat and SOCS box containing 7, trans
## 2554	uncharacter
## 2555	
## 2556	multiple EGF-like-domains 11, trans

## 2557		small Cajal bod
## 2558		small nucl
## 2559		small nucl
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## 2563		small nucl
## 2564		IQ motif containing H, tran
## 2565		uncharacter
## 2566		
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## 2568	eukaryotic translation initiation factor 3 subunit J, tran	
## 2569		
## 2570		uncharacter
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## 2572		U2
## 2573		uncharacter
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## 2575		uncharacter
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## 2577		uncharacter
## 2578	astacin-like metallo-endopeptidase (M12 family), tran	
## 2579		uncharacter
## 2580		uncharacter
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## 2582		uncharacter
## 2583		uncharacterized LOC116409787, tran
## 2584		uncharacterized LOC116409787, tran
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## 2587		uncharacter
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## 2590		small r
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## 2594		uncharacterized LOC100487547, tran
## 2595		uncharacterized LOC100487547, tran
## 2596		uncharacter
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## 2599		uncharacter
## 2600	Rho related BTB domain containing 2, tran	
## 2601		
## 2602		
## 2603		uncharacterized LOC116409795, tran
## 2604		uncharacterized LOC116409795, tran
## 2605		uncharacter
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## 2610		uncharacterized LOC116409799, tran

## 2611	uncharacterized LOC116409799, tran
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## 2620	uncharacterized LOC101730320, tran
## 2621	uncharacter
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uncharacterized LOC105945317, tran

uncharacterized LOC105945317, tran

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## 3217	beta-1,3-galactosyltransferase 2-like, trans
## 3218	beta-1,3-galactosyltransferase 2-like, trans
## 3219	beta-1,3-galactosyltransferase 2-like, trans
## 3220	potassium channel, sodium activated subfamily T, member 2 like, trans
## 3221	potassium channel, sodium activated subfamily T, member 2 like, trans
## 3222	queueine tRNA-ribosyltransferase 1, trans
## 3223	uncharacterized LOC105946166, trans
## 3224	uncharacterized LOC105946166, trans
## 3225	uncharacterized LOC105946166, trans
## 3226	uncharacterized LOC105946166, trans
## 3227	uncharacterized LOC105946166, trans
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## 3230	uncharacterized LOC105946166, trans
## 3231	uncharacterized LOC105946166, trans
## 3232	uncharacterized LOC105946166, trans
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## 3238	uncharacterized LOC105946166, trans
## 3239	uncharacterized LOC105946166, trans
## 3240	uncharacterized LOC105946166, trans
## 3241	ELAV like neuron-specific RNA binding protein 3, trans
## 3242	
## 3243	small nucleolar RNA 1, trans
## 3244	small nucleolar RNA 1, trans
## 3245	
## 3246	mitochondrial ribosomal protein L16, trans
## 3247	
## 3248	
## 3249	uncharacterized LOC105946166, trans
## 3250	complement component 3 precursor, trans
## 3251	
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## 3256	
## 3257	
## 3258	uncharacterized LOC105946166, trans

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## 3260	uncharacter
## 3261	uncharacterized LOC116409831, tran
## 3262	uncharacterized LOC116409831, tran
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## 3270	uncharacter
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centrobin, centriole duplication and spindle assembly protein, trans

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## 3748	vomeronasal t
## 3749	vomeronasal t
## 3750	vomeronasal type-2
## 3751	vomeronasal type-2
## 3752	vomeronasal t
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## 3786	vomeronasal type-2
## 3787	vomeronasal t
## 3788	vomeronasal type-2
## 3789	
## 3790	vomeronasal t
## 3791	
## 3792	uncharacterized LOC101730300, trans
## 3793	uncharacterized LOC101730874, trans
## 3794	uncharacterized LOC101730874, trans
## 3795	WD repeat containing, a
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## 3829	uncharacterized LOC116409844, trans
## 3830	uncharacterized LOC116409844, trans
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## 3850	uncharacter
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## 3865	uncharacterized
## 3866	small nucleolar ribonucleoprotein
## 3867	transmembrane protein
## 3868	uncharacterized
## 3869	uncharacterized
## 3870	
## 3871	coiled-coil domain-containing protein 77, transmembrane
## 3872	uncharacterized
## 3873	
## 3874	
## 3875	uncharacterized
## 3876	uncharacterized LOC100498645, transmembrane
## 3877	uncharacterized LOC100498645, transmembrane
## 3878	uncharacterized LOC100498645, transmembrane
## 3879	uncharacterized LOC101734743, transmembrane
## 3880	uncharacterized LOC101734743, transmembrane
## 3881	small nucleolar ribonucleoprotein
## 3882	small nucleolar ribonucleoprotein
## 3883	uncharacterized
## 3884	uncharacterized
## 3885	signal peptide, CUB domain, EGF-like 2, transmembrane
## 3886	DENN/MADD domain containing 5A, transmembrane
## 3887	small nucleolar ribonucleoprotein
## 3888	small nucleolar ribonucleoprotein
## 3889	uncharacterized
## 3890	microtubule associated monooxygenase, calponin and LIM domain containing 2, transmembrane
## 3891	parvin alpha, transmembrane
## 3892	small nucleolar ribonucleoprotein
## 3893	small nucleolar ribonucleoprotein
## 3894	membrane protein
## 3895	uncharacterized
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## 3915	synaptotagmin-13-like, transmembrane	
## 3916		uncharacter
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## 3925	synaptotagmin-13-like, transmembrane	
## 3926	synaptotagmin-13-like, transmembrane	
## 3927		uncharacter
## 3928	uncharacterized LOC116410272, transmembrane	
## 3929	uncharacterized LOC116410272, transmembrane	
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## 3932		uncharacter
## 3933		small nuclear ribonucleoprotein
## 3934		small nuclear ribonucleoprotein
## 3935		uncharacter
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## 3939	protein kinase C delta type-like, transmembrane	
## 3940		uncharacter
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## 3951		uncharacter
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## 3953	uncharacterized LOC116410297, transmembrane	
## 3954	uncharacterized LOC116410297, transmembrane	
## 3955	uncharacterized LOC116410297, transmembrane	
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## 3964	uncharacterized LOC116410301, trans	
## 3965	uncharacterized LOC116410301, trans	
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## 3985	sn1-specific diacylglycerol lipase alpha, trans	
## 3986	sn1-specific diacylglycerol lipase alpha, trans	
## 3987	sn1-specific diacylglycerol lipase alpha, trans	
## 3988	sn1-specific diacylglycerol lipase alpha, trans	
## 3989	sn1-specific diacylglycerol lipase alpha, trans	
## 3990	sn1-specific diacylglycerol lipase alpha, trans	
## 3991	sn1-specific diacylglycerol lipase alpha, trans	
## 3992	sn1-specific diacylglycerol lipase alpha, trans	
## 3993		uncharacter
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## 3995		uncharacter
## 3996	uncharacterized LOC108647378, trans	
## 3997	uncharacterized LOC108647378, trans	
## 3998	sn1-specific diacylglycerol lipase alpha-like, trans	
## 3999		uncharacter
## 4000	uncharacterized LOC101733421, trans	
## 4001	uncharacterized LOC101733421, trans	
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## 4006	protein phosphatase 1 regulatory subunit 12A, trans	
## 4007		
## 4008	dispanin subfamily A member 2b-like, trans	
## 4009	dispanin subfamily A member 2b-like, trans	
## 4010		uncharacter
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## 4015		vomeronasal type-2
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## 4026		uncharacter
## 4027		chitinase domain containing 1, trans
## 4028		uncharacter
## 4029		cell cycle exit and neuronal c
## 4030		uncharacter
## 4031		uncharacter
## 4032		uncharacter
## 4033		double PHD fingers 2, trans
## 4034		uncharacter
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## 4040		uncharacter
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## 4043		basic leucine zipper ATF-like transcription factor 2, trans
## 4044		protein kinase C-like, trans
## 4045		protein kinase C-like, trans
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## 4064		uncharacterized LOC116410346, trans
## 4065		uncharacterized LOC116410346, trans
## 4066		uncharacterized LOC101732269, trans
## 4067		uncharacterized LOC101732269, trans
## 4068		uncharacter

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## 4110		uncharacter
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## 4115	uncharacterized LOC116410354, trans	
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## 4120		uncharacter
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## 4122		small n

## 4123		small nucl
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## 4131	echinoderm microtubule associated protein like 3, tran	
## 4132		small nucl
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## 4134		uncharacter
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## 4286	uncharacter
## 4287	uncharacterized LOC116410373, trans
## 4288	uncharacterized LOC116410373, trans
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## 4292	uncharacterized LOC116410550, trans
## 4293	uncharacterized LOC116410550, trans
## 4294	uncharacterized LOC116406498, trans
## 4295	uncharacterized LOC116406498, trans
## 4296	uncharacter
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## 4310	uncharacter
## 4311	uncharacter
## 4312	uncharacterized LOC105947231, trans
## 4313	uncharacterized LOC105947231, trans
## 4314	uncharacter
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## 4317	uncharacter
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## 4321	uncharacter
## 4322	uncharacterized LOC116410397, trans
## 4323	uncharacterized LOC116410397, trans
## 4324	uncharacterized LOC116410397, trans
## 4325	uncharacterized LOC116410397, trans
## 4326	uncharacter
## 4327	uncharacter
## 4328	acyl-CoA synthetase family member 3, trans
## 4329	acyl-CoA synthetase family member 3, trans
## 4330	uncharacterized LOC100489253, trans
## 4331	small nucle
## 4332	small nucle
## 4333	small nucle
## 4334	small nucl
## 4335	FA complementation group A, trans
## 4336	uncharacter
## 4337	uncharacter
## 4338	uncharacter

## 4339		uncharacter
## 4340		uncharacter
## 4341		uncharacter
## 4342	uncharacterized LOC105947250, trans	
## 4343	uncharacterized LOC105947250, trans	
## 4344		
## 4345		uncharacter
## 4346		uncharacter
## 4347		uncharacter
## 4348		uncharacter
## 4349		uncharacter
## 4350	uncharacterized LOC100495799, trans	
## 4351	uncharacterized LOC100495799, trans	
## 4352	uncharacterized LOC100495799, trans	
## 4353		uncharacter
## 4354		U6
## 4355		uncharacter
## 4356		
## 4357	zinc finger CCHC-type containing 14, trans	
## 4358		U4
## 4359		uncharacter
## 4360		
## 4361	chromosome 19 open reading frame 12, trans	
## 4362		uncharacter
## 4363		
## 4364		uncharacter
## 4365		uncharacter
## 4366		uncharacter
## 4367		uncharacter
## 4368		
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## 4373		
## 4374		
## 4375		uncharacter
## 4376	U6 snRNA biogenesis phosphodiesterase 1, trans	
## 4377		uncharacter
## 4378	collagen, type XXIV, alpha 1, trans	
## 4379		uncharacter
## 4380		uncharacter
## 4381	uncharacterized LOC101731929, trans	
## 4382		uncharacter
## 4383		
## 4384		
## 4385		uncharacter
## 4386	Tctex1 domain containing 1, trans	
## 4387	uncharacterized LOC116410418, trans	
## 4388	uncharacterized LOC116410418, trans	
## 4389		mi
## 4390		uncharacter
## 4391	TM2 domain containing 1, trans	
## 4392		uncharacter

## 4393	uncharacter
## 4394	uncharacterized LOC108647362, tran
## 4395	uncharacterized LOC108647362, tran
## 4396	uncharacter
## 4397	uncharacter
## 4398	m
## 4399	m
## 4400	uncharacter
## 4401	uncharacter
## 4402	small nucl
## 4403	uncharacter
## 4404	small nucl
## 4405	small nucleolar RN
## 4406	small nucl
## 4407	small nucl
## 4408	small nucl
## 4409	small nucleolar RN
## 4410	small nucl
## 4411	small nucl
## 4412	small nucl
## 4413	U5
## 4414	U5
## 4415	U5
## 4416	U5
## 4417	U5
## 4418	U5
## 4419	U5
## 4420	U5
## 4421	U5
## 4422	U5
## 4423	U5
## 4424	U5
## 4425	U5
## 4426	U5
## 4427	U5
## 4428	U5
## 4429	U5
## 4430	U5
## 4431	U5
## 4432	U5
## 4433	U5
## 4434	U5
## 4435	U5
## 4436	U5
## 4437	U5
## 4438	U5
## 4439	U5
## 4440	U5
## 4441	U5
## 4442	U5
## 4443	U5
## 4444	U5
## 4445	U5
## 4446	U5

## 4447	U5
## 4448	U5
## 4449	U5
## 4450	U5
## 4451	U5
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## 4456	U5
## 4457	U5
## 4458	U5
## 4459	U5
## 4460	U5
## 4461	U5
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## 4463	U5
## 4464	U5
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## 4470	U5
## 4471	U5
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## 4473	U5
## 4474	U5
## 4475	U5
## 4476	U5
## 4477	U5
## 4478	U5
## 4479	U5
## 4480	U5
## 4481	U5
## 4482	U5
## 4483	U5
## 4484	
## 4485	uncharacterized
## 4486	uncharacterized
## 4487	
## 4488	uncharacterized
## 4489	uncharacterized
## 4490	uncharacterized
## 4491	
## 4492	uncharacterized
## 4493	coiled-coil and C2 domain containing 1B, trans
## 4494	uncharacterized LOC116410428, trans
## 4495	uncharacterized LOC116410428, trans
## 4496	small nucleolar RNA snR60/
## 4497	small nucleolar RNA snR60/
## 4498	small nucleolar RNA snR60/
## 4499	small nucleolar RNA snR60/
## 4500	small nucleolar RNA snR60/

## 4501		small nucleol
## 4502		small nucleolar RNA snR60/
## 4503		small nucleolar RNA snR60/
## 4504		small nucleol
## 4505		KIAA0040 ortholog, trans
## 4506		uncharacter
## 4507		uncharacterized LOC105947005, trans
## 4508		uncharacterized LOC105947005, trans
## 4509		uncharacterized LOC105947007, trans
## 4510		uncharacterized LOC105947007, trans
## 4511		uncharacter
## 4512		uncharacter
## 4513		uncharacter
## 4514		uncharacter
## 4515		uncharacterized LOC105947287, trans
## 4516		uncharacterized LOC105947287, trans
## 4517		uncharacter
## 4518		uncharacter
## 4519		m
## 4520		
## 4521		uncharacter
## 4522		uncharacter
## 4523		uncharacter
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## 4526		uncharacter
## 4527		uncharacter
## 4528		
## 4529		uncharacter
## 4530		
## 4531		
## 4532		uncharacter
## 4533		RNA binding region (RNP1, RRM) containing 3, trans
## 4534		
## 4535		uncharacter
## 4536		uncharacter
## 4537		mi
## 4538		mi
## 4539		
## 4540		uncharacter
## 4541		uncharacter
## 4542		uncharacterized LOC116410445, trans
## 4543		uncharacterized LOC116410445, trans
## 4544		uncharacterized LOC105946975, trans
## 4545		uncharacterized LOC105946975, trans
## 4546		uncharacterized LOC105946975, trans
## 4547		uncharacter
## 4548		U12 minor
## 4549		U12 minor
## 4550		U12 minor
## 4551		U12 minor
## 4552		U12 minor
## 4553		U12 minor
## 4554		U12 minor

## 4555		U12 minor
## 4556		uncharacter
## 4557		small nucleolar RNA SNORA
## 4558		small nucleolar RNA SNORA
## 4559		small nucleolar RNA SNORA
## 4560		uncharacter
## 4561	L3MBTL2, polycomb repressive complex 1 subunit, trans	
## 4562		uncharacter
## 4563		uncharacter
## 4564		uncharacter
## 4565		uncharacter
## 4566	hydroxysteroid (17-beta) dehydrogenase 7, trans	
## 4567	leucine rich repeat containing 52, trans	
## 4568		uncharacter
## 4569		
## 4570		small n
## 4571		uncharacter
## 4572		uncharacter
## 4573		uncharacter
## 4574		uncharacter
## 4575		uncharacter
## 4576	uncharacterized LOC108647466, trans	
## 4577	uncharacterized LOC108647466, trans	
## 4578		small nucl
## 4579		uncharacter
## 4580		uncharacter
## 4581		
## 4582		uncharacter
## 4583		uncharacter
## 4584		uncharacter
## 4585	uncharacterized LOC105947715, trans	
## 4586	cadherin related family member 4, trans	
## 4587		uncharacter
## 4588		uncharacter
## 4589		uncharacter
## 4590		uncharacter
## 4591		
## 4592		uncharacter
## 4593		uncharacter
## 4594		vomeronasal type-2
## 4595		
## 4596		
## 4597		
## 4598		
## 4599		
## 4600		
## 4601		
## 4602		uncharacter
## 4603		U2
## 4604		uncharacter
## 4605	protein SSUH2 homolog, trans	
## 4606	methyl-CpG binding domain 4, DNA glycosylase, trans	
## 4607		uncharacter
## 4608		uncharacter

## 4609		uncharacter
## 4610		uncharacter
## 4611		uncharacter
## 4612		uncharacter
## 4613		
## 4614		uncharacter
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## 4620		
## 4621		uncharacterized LOC105947016, tran
## 4622		uncharacterized LOC105947016, tran
## 4623		
## 4624		transcriptional adaptor 3, tran
## 4625		LHFPL tetraspan subfamily member 4, tran
## 4626		uncharacter
## 4627		uncharacter
## 4628		uncharacter
## 4629		glucoside xylosyltransferase 2, tran
## 4630		uncharacter
## 4631		
## 4632		ADAM metallopeptidase with thrombospond
## 4633		ADAM metallopeptidase with thrombospondin type 1 motif 9, tran
## 4634		uncharacter
## 4635		uncharacter
## 4636		uncharacter
## 4637		phos
## 4638		uncharacter
## 4639		uncharacterized LOC100497741, tran
## 4640		uncharacterized LOC100497741, tran
## 4641		uncharacter
## 4642		uncharacter
## 4643		uncharacter
## 4644		uncharacter
## 4645		
## 4646		
## 4647		U4atac minor
## 4648		
## 4649		uncharacter
## 4650		inter-alpha-trypsin inhibitor heavy chain 3, tran
## 4651		
## 4652		small nucl
## 4653		ribosomal l
## 4654		
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uncharacter

uncharacter

serum response factor, trans

## 4825		uncharacter
## 4826		exportin-5, tran
## 4827	ATP binding cassette subfamily C member 10, tran	
## 4828	alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase-like, tran	
## 4829		uncharacter
## 4830		uncharacterized LOC116411114, tran
## 4831		uncharacterized LOC116411114, tran
## 4832		uncharacter
## 4833	uncharacterized protein MGC86483, tran	
## 4834		small nucleolar RN
## 4835		small nucleolar RN
## 4836		small nucleolar RN
## 4837		small nucleolar RN
## 4838		small nucleolar RN
## 4839		small nucleolar RN
## 4840		uncharacter
## 4841		uncharacter
## 4842		
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## 4887	
## 4888	uncharacterized LOC105947462, transmembrane protein
## 4889	uncharacterized LOC105947462, transmembrane protein
## 4890	
## 4891	uncharacterized LOC105947462, transmembrane protein
## 4892	uncharacterized LOC105947462, transmembrane protein
## 4893	uncharacterized LOC105947462, transmembrane protein
## 4894	uncharacterized LOC105947462, transmembrane protein
## 4895	m
## 4896	
## 4897	
## 4898	
## 4899	protein tyrosine phosphatase, non-receptor type 14, transmembrane protein
## 4900	uncharacterized LOC105947013, transmembrane protein
## 4901	uncharacterized LOC105947013, transmembrane protein
## 4902	uncharacterized LOC105947013, transmembrane protein
## 4903	uncharacterized LOC105947013, transmembrane protein
## 4904	uncharacterized LOC105947013, transmembrane protein
## 4905	uncharacterized LOC105947013, transmembrane protein
## 4906	uncharacterized LOC105947013, transmembrane protein
## 4907	uncharacterized LOC105947013, transmembrane protein
## 4908	
## 4909	uncharacterized LOC105947013, transmembrane protein
## 4910	uncharacterized LOC105947013, transmembrane protein
## 4911	prolyl endopeptidase-like, transmembrane protein
## 4912	
## 4913	
## 4914	
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## 4951	
## 4952	
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## 4954	
## 4955	uncharacterized
## 4956	
## 4957	
## 4958	uncharacterized LOC108647651, trans
## 4959	uncharacterized LOC108647651, trans
## 4960	uncharacterized LOC108647651, trans
## 4961	uncharacterized
## 4962	uncharacterized
## 4963	uncharacterized
## 4964	uncharacterized LOC105947452, trans
## 4965	uncharacterized LOC105947452, trans
## 4966	uncharacterized LOC105947452, trans
## 4967	uncharacterized LOC105947452, trans
## 4968	uncharacterized LOC101732612, trans
## 4969	uncharacterized LOC101732612, trans
## 4970	uncharacterized
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## 4979	uncharacterized
## 4980	uncharacterized
## 4981	uncharacterized
## 4982	uncharacterized LOC116411096, trans
## 4983	uncharacterized LOC116411096, trans
## 4984	uncharacterized
## 4985	uncharacterized
## 4986	uncharacterized

## 4987	uncharacter
## 4988	uncharacter
## 4989	uncharacter
## 4990	uncharacter
## 4991	uncharacter
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## 4993	uncharacter
## 4994	uncharacter
## 4995	
## 4996	
## 4997	
## 4998	uncharacter
## 4999	uncharacterized LOC116411077, trans
## 5000	uncharacterized LOC116411077, trans
## 5001	uncharacterized LOC116411076, trans
## 5002	uncharacterized LOC116411076, trans
## 5003	
## 5004	uncharacter
## 5005	uncharacter
## 5006	uncharacterized LOC105945673, trans
## 5007	uncharacterized LOC105945673, trans
## 5008	uncharacterized LOC105947441, trans
## 5009	uncharacterized LOC105947441, trans
## 5010	transcription :
## 5011	uncharacter
## 5012	
## 5013	uncharacterized LOC101731568, trans
## 5014	uncharacterized LOC101731568, trans
## 5015	sor
## 5016	uncharacterized LOC101731856, trans
## 5017	uncharacterized LOC101731856, trans
## 5018	uncharacter
## 5019	
## 5020	uncharacterized LOC101730793, trans
## 5021	uncharacterized LOC101730793, trans
## 5022	uncharacterized LOC101730793, trans
## 5023	
## 5024	HEAT rep
## 5025	uncharacter
## 5026	uncharacterized LOC101734088, trans
## 5027	uncharacterized LOC101734088, trans
## 5028	uncharacter
## 5029	small nucl
## 5030	small nucl
## 5031	tubulin tyrosine ligase like 2, trans
## 5032	
## 5033	
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## 5035	
## 5036	uncharacter
## 5037	uncharacter
## 5038	uncharacter
## 5039	
## 5040	uncharacter

## 5041	uncharacterized LOC101732544, trans
## 5042	uncharacterized LOC101732544, trans
## 5043	uncharacterized LOC101732544, trans
## 5044	uncharacterized LOC101732544, trans
## 5045	uncharacterized LOC101732544, trans
## 5046	uncharacterized LOC116410908, trans
## 5047	uncharacterized LOC116410908, trans
## 5048	uncharacterized LOC116410908, trans
## 5049	uncharacterized LOC116410908, trans
## 5050	uncharacterized LOC116410908, trans
## 5051	uncharacterized LOC116410908, trans
## 5052	uncharacterized LOC116410908, trans
## 5053	uncharacterized LOC116410908, trans
## 5054	uncharacterized LOC116410908, trans
## 5055	uncharacterized LOC116410908, trans
## 5056	uncharacterized LOC116410908, trans
## 5057	uncharacterized LOC116410908, trans
## 5058	uncharacterized LOC116410908, trans
## 5059	uncharacterized LOC116410908, trans
## 5060	uncharacterized LOC116410908, trans
## 5061	uncharacterized LOC116410908, trans
## 5062	uncharacterized LOC116410908, trans
## 5063	uncharacterized LOC116410908, trans
## 5064	uncharacterized LOC116410908, trans
## 5065	uncharacterized LOC116410908, trans
## 5066	family with sequence similarity 120B, trans
## 5067	uncharacterized
## 5068	uncharacterized
## 5069	SR-related CTD associated factor 8, trans
## 5070	SR-related CTD associated factor 8, trans
## 5071	SR-related CTD associated factor 8, trans
## 5072	uncharacterized LOC116411073, trans
## 5073	uncharacterized LOC116411073, trans
## 5074	uncharacterized
## 5075	BCL2 associated transcription factor 1, trans
## 5076	BCL2 associated transcription factor 1, trans
## 5077	BCL2 associated transcription factor 1, trans
## 5078	mitogen-activated protein kinase kinase kinase 5, trans
## 5079	mitogen-activated protein kinase kinase kinase 5, trans
## 5080	uncharacterized
## 5081	uncharacterized
## 5082	uncharacterized
## 5083	uncharacterized
## 5084	uncharacterized
## 5085	uncharacterized
## 5086	uncharacterized
## 5087	uncharacterized
## 5088	uncharacterized
## 5089	small integral membrane protein 28, trans
## 5090	uncharacterized
## 5091	
## 5092	kinesin-like protein KIF27, trans
## 5093	kinesin-like protein KIF27, trans
## 5094	kinesin-like protein KIF27, trans

## 5095	
## 5096	hdc homolog, cell cycle regulator, trans
## 5097	uncharacter
## 5098	uncharacter
## 5099	uncharacterized LOC105947419, trans
## 5100	uncharacterized LOC105947419, trans
## 5101	uncharacterized LOC105947419, trans
## 5102	uncharacter
## 5103	androgen-induced 1, trans
## 5104	Sodium/potassium transporting ATPase interacting 2, trans
## 5105	LINE-1 reverse transcriptase homolog, trans
## 5106	uncharacter
## 5107	uncharacter
## 5108	uncharacter
## 5109	A-kinase anchoring protein 7 gene 2, trans
## 5110	uncharacter
## 5111	small nucle
## 5112	small nucle
## 5113	small nucle
## 5114	uncharacter
## 5115	uncharacterized LOC101731978, trans
## 5116	uncharacterized LOC101731978, trans
## 5117	phospholamban, trans
## 5118	uncharacterized LOC105947413, trans
## 5119	uncharacterized LOC105947413, trans
## 5120	uncharacterized LOC105947413, trans
## 5121	
## 5122	
## 5123	uncharacterized LOC100487057, trans
## 5124	uncharacterized LOC100487057, trans
## 5125	uncharacter
## 5126	uncharacter
## 5127	uncharacter
## 5128	uncharacter
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## 5131	uncharacter
## 5132	uncharacter
## 5133	uncharacter
## 5134	uncharacter
## 5135	uncharacter
## 5136	uncharacter
## 5137	uncharacter
## 5138	
## 5139	uncharacter
## 5140	uncharacter
## 5141	uncharacterized LOC108647678, trans
## 5142	uncharacterized LOC108647678, trans
## 5143	uncharacterized LOC108647678, trans
## 5144	uncharacterized LOC108647678, trans
## 5145	uncharacter
## 5146	sorting nexin 14, trans
## 5147	uncharacter
## 5148	

## 5149		uncharacter
## 5150		uncharacter
## 5151		
## 5152		m
## 5153		uncharacter
## 5154		uncharacter
## 5155		uncharacter
## 5156		uncharacterized LOC108647684, trans
## 5157		uncharacterized LOC108647684, trans
## 5158		uncharacter
## 5159	KH domain containing, RNA binding, signal transduction associated 2, trans	
## 5160		uncharacterized LOC108647682, trans
## 5161		uncharacterized LOC108647682, trans
## 5162		
## 5163		uncharacter
## 5164	3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1, trans	
## 5165		uncharacter
## 5166		transmembrane protein 14A, trans
## 5167		microcephalin 1, trans
## 5168		uncharacter
## 5169		IQ motif containing G, trans
## 5170		small nucle
## 5171		small nucle
## 5172		uncharacter
## 5173		uncharacter
## 5174		phosphodiesterase 6D, trans
## 5175		phosphodiesterase 6D, trans
## 5176		phosphodiesterase 6D, trans
## 5177		phosphodiesterase 6D, trans
## 5178		phosphodiesterase 6D, trans
## 5179		phosphodiesterase 6D, trans
## 5180		phosphodiesterase 6D, trans
## 5181		phosphodiesterase 6D, trans
## 5182		phosphodiesterase 6D, trans
## 5183		phosphodiesterase 6D, trans
## 5184		phosphodiesterase 6D, trans
## 5185		phosphodiesterase 6D, trans
## 5186		uncharacter
## 5187		uncharacter
## 5188	cholinergic receptor, nicotinic gamma, trans	
## 5189		uncharacter
## 5190		uncharacter
## 5191	tyrosine kinase, non-receptor, 2, trans	
## 5192		uncharacter
## 5193		uncharacter
## 5194		uncharacter
## 5195	eukaryotic translation initiation factor 4A2, trans	
## 5196		small nucle
## 5197		small nucle
## 5198		small nucle
## 5199		small nuc.
## 5200		small nuc.
## 5201		uncharacterized LOC105947370, trans
## 5202		uncharacterized LOC105947370, trans

## 5203	
## 5204	tetratricopeptide repeat domain 14, trans
## 5205	uncharacter
## 5206	uncharacter
## 5207	uncharacter
## 5208	
## 5209	WD repeat domain 49, trans
## 5210	uncharacter
## 5211	small Cajal bo
## 5212	
## 5213	
## 5214	uncharacter
## 5215	uncharacterized LOC116411113, trans
## 5216	uncharacterized LOC116411113, trans
## 5217	uncharacter
## 5218	
## 5219	
## 5220	uncharacter
## 5221	uncharacter
## 5222	TSC22 domain family member 2, trans
## 5223	
## 5224	uncharacter
## 5225	uncharacter
## 5226	uncharacter
## 5227	uncharacter
## 5228	uncharacter
## 5229	uncharacter
## 5230	Zic family member 4, trans
## 5231	uncharacter
## 5232	uncharacter
## 5233	helicase-like transcription factor, trans
## 5234	uncharacterized LOC105945392, trans
## 5235	uncharacterized LOC105945392, trans
## 5236	uncharacterized LOC105945392, trans
## 5237	uncharacter
## 5238	uncharacterized LOC101732582, trans
## 5239	uncharacterized LOC101732582, trans
## 5240	uncharacter
## 5241	uncharacter
## 5242	serine/threonine kinase 25, trans
## 5243	small Cajal bo
## 5244	small Cajal bo
## 5245	uncharacter
## 5246	ankyrin repeat and MYND domain containing 1, trans
## 5247	
## 5248	
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## 5332	
## 5333	uncharacterized
## 5334	UBX domain protein 7, transmembrane
## 5335	uncharacterized
## 5336	uncharacterized LOC105948528, transmembrane
## 5337	uncharacterized LOC105948528, transmembrane
## 5338	uncharacterized
## 5339	uncharacterized
## 5340	uncharacterized
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## 5342	uncharacterized
## 5343	uncharacterized
## 5344	uncharacterized
## 5345	uncharacterized
## 5346	small nucleolar ribosomal protein
## 5347	small nucleolar ribosomal protein
## 5348	small nucleolar ribosomal protein
## 5349	small nucleolar ribosomal protein
## 5350	small nucleolar ribosomal protein
## 5351	small nucleolar ribosomal protein
## 5352	small nucleolar ribosomal protein
## 5353	uncharacterized
## 5354	uncharacterized
## 5355	uncharacterized
## 5356	uncharacterized
## 5357	integrin subunit beta 1 binding protein 1, transmembrane
## 5358	uncharacterized
## 5359	uncharacterized
## 5360	uncharacterized
## 5361	U2 small nuclear ribonucleoprotein
## 5362	
## 5363	small Cajal body protein 1
## 5364	small Cajal body protein 1

## 5365		small Cajal bo
## 5366		small Cajal bo
## 5367		
## 5368		uncharacter
## 5369		uncharacter
## 5370		
## 5371		
## 5372		
## 5373	major facilitator superfamily domain-containing protein 2b, tran	
## 5374		uncharacter
## 5375	SH3 domain binding kinase 1 like, tran	
## 5376	SH3 domain binding kinase 1 like, tran	
## 5377		uncharacter
## 5378		
## 5379		
## 5380		uncharacter
## 5381		uncharacter
## 5382		uncharacter
## 5383		uncharacter
## 5384		uncharacter
## 5385		uncharacter
## 5386		
## 5387		
## 5388		uncharacter
## 5389		
## 5390	uncharacterized LOC108644799, tran	
## 5391		uncharacter
## 5392		uncharacter
## 5393		uncharacter
## 5394	EFR3 homolog B, tran	
## 5395		uncharacter
## 5396		uncharacter
## 5397		uncharacter
## 5398		uncharacter
## 5399		uncharacter
## 5400		
## 5401	uncharacterized LOC108644720, tran	
## 5402	uncharacterized LOC108644720, tran	
## 5403		uncharacter
## 5404		
## 5405		
## 5406		
## 5407		
## 5408		uncharacter
## 5409	uncharacterized LOC105947221, tran	
## 5410		vomeronasal t
## 5411		vomeronasal type-2
## 5412		vomeronasal type-2
## 5413		vomeronasal type-2
## 5414		vomeronasal type-2
## 5415		uncharacter
## 5416		vomeronasal t
## 5417		
## 5418		

## 5419	uncharacter
## 5420	vomeronasal t
## 5421	vomeronasal type-2
## 5422	vomeronasal type-2
## 5423	vomeronasal type-2
## 5424	vomeronasal type-2
## 5425	vomeronasal type-2
## 5426	vomeronasal type-2
## 5427	vomeronasal type-2
## 5428	vomeronasal type-2
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## 5430	vomeronasal type-2
## 5431	vomeronasal type-2
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## 5433	vomeronasal type-2
## 5434	vomeronasal type-2
## 5435	
## 5436	uncharacter
## 5437	vomeronasal type-2
## 5438	vomeronasal t
## 5439	vomeronasal type-2
## 5440	vomeronasal type-2
## 5441	vomeronasal type-2
## 5442	uncharacter
## 5443	vomeronasal type-2
## 5444	vomeronasal t
## 5445	vomeronasal type-2
## 5446	vomeronasal t
## 5447	vomeronasal type-2
## 5448	vomeronasal type-2
## 5449	vomeronasal type-2
## 5450	vomeronasal type-2
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## 5454	vomeronasal type-2
## 5455	vomeronasal type-2
## 5456	vomeronasal type-2
## 5457	vomeronasal type-2
## 5458	vomeronasal type-2
## 5459	
## 5460	vomeronasal type-2
## 5461	uncharacterized LOC108645175, trans
## 5462	uncharacterized LOC108645175, trans
## 5463	uncharacterized LOC108645175, trans
## 5464	uncharacterized LOC108645175, trans
## 5465	uncharacterized LOC108645175, trans
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## 5479	uncharacter
## 5480	uncharacter
## 5481	uncharacter
## 5482	vomeronasal t
## 5483	uncharacter
## 5484	uncharacter
## 5485	sterile alpha motif domain-containing protein 12, trans
## 5486	uncharacter
## 5487	glutamine rich 1 like 2 Kruppel-associated box containing [provisional], trans
## 5488	zinc finger protein 436-like, trans
## 5489	vomeronasal type-2
## 5490	uncharacterized LOC116410832, trans
## 5491	uncharacterized LOC116410832, trans
## 5492	uncharacterized LOC116410832, trans
## 5493	uncharacterized LOC116410832, trans
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## 5500	
## 5501	uncharacter
## 5502	
## 5503	uncharacterized LOC116411488, trans
## 5504	uncharacterized LOC116411488, trans
## 5505	uncharacter
## 5506	uncharacter
## 5507	uncharacter
## 5508	uncharacter
## 5509	uncharacter
## 5510	uncharacter
## 5511	uncharacterized LOC101731387, trans
## 5512	uncharacterized LOC101731387, trans
## 5513	uncharacter
## 5514	
## 5515	gastrula zinc finger prote
## 5516	
## 5517	
## 5518	zinc finger protein 519, trans
## 5519	zinc finger protein 519, trans
## 5520	uncharacter
## 5521	uncharacter
## 5522	
## 5523	
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## 5527	
## 5528	neurofilament heavy
## 5529	uncharacter
## 5530	
## 5531	zinc finger protein 568, trans
## 5532	zinc finger protein 568, trans
## 5533	uncharacter
## 5534	small Cajal bod
## 5535	small Cajal bod
## 5536	uncharacter
## 5537	
## 5538	
## 5539	oocyte zinc finger protein XlCOF6-like, trans
## 5540	uncharacter
## 5541	
## 5542	
## 5543	uncharacter
## 5544	
## 5545	gastrula zinc finger prote
## 5546	zinc finger protein 665-like, trans
## 5547	uncharacter
## 5548	uncharacter
## 5549	
## 5550	small nucleolar RNA SNORA16
## 5551	small nucleolar RNA SNORA16
## 5552	uncharacter
## 5553	small nuc
## 5554	small nucleolar RNA SNORA16
## 5555	uncharacter
## 5556	uncharacterized LOC105945605, trans
## 5557	uncharacter
## 5558	uncharacterized LOC100495777, trans
## 5559	uncharacterized LOC100495777, trans
## 5560	uncharacterized LOC100495777, trans
## 5561	small nuc
## 5562	small nucleolar RNA SNORA16
## 5563	small nucleolar RNA SNORA16
## 5564	small nucl
## 5565	small nucl
## 5566	small nucl
## 5567	small nucleolar RNA SNORA16
## 5568	small nucleolar RNA SNORA16
## 5569	small nucl
## 5570	small nucl
## 5571	small nuc
## 5572	corticotropin releasing hormone receptor 2, trans
## 5573	corticotropin releasing hormone receptor 2, trans
## 5574	corticotropin releasing hormone receptor 2, trans
## 5575	
## 5576	uncharacter
## 5577	uncharacter
## 5578	uncharacter
## 5579	uncharacter
## 5580	uncharacter

## 5581	uncharacter
## 5582	uncharacter
## 5583	uncharacter
## 5584	uncharacter
## 5585	uncharacter
## 5586	uncharacter
## 5587	uncharacter
## 5588	SET domain containing 2, trans
## 5589	uncharacterized LOC116411502, trans
## 5590	uncharacterized LOC116411502, trans
## 5591	small nuc
## 5592	small nuc
## 5593	small nuc
## 5594	small nuc
## 5595	small nuc
## 5596	uncharacterized LOC101730607, trans
## 5597	uncharacterized LOC101730607, trans
## 5598	uncharacter
## 5599	uncharacter
## 5600	uncharacter
## 5601	
## 5602	
## 5603	ubiquitin protein ligase E3C, trans
## 5604	ubiquitin protein ligase E3C, trans
## 5605	m
## 5606	uncharacter
## 5607	uncharacterized LOC105947699, trans
## 5608	uncharacterized LOC105947699, trans
## 5609	uncharacter
## 5610	uncharacter
## 5611	uncharacter
## 5612	uncharacter
## 5613	uncharacter
## 5614	uncharacter
## 5615	uncharacter
## 5616	KIAA1217, trans
## 5617	chromosome 10 open reading frame 67, trans
## 5618	
## 5619	uncharacter
## 5620	
## 5621	phosphotriesterase related, trans
## 5622	phosphotriesterase related, trans
## 5623	phosphotriesterase related, trans
## 5624	phosphotriesterase related, trans
## 5625	
## 5626	
## 5627	uncharacter
## 5628	
## 5629	uncharacter
## 5630	uncharacterized LOC116411696, trans
## 5631	uncharacterized LOC116411696, trans
## 5632	uncharacterized LOC116411696, trans
## 5633	CAS1 domain containing 1, trans
## 5634	uncharacter

## 5635	uncharacterized LOC116411678, trans
## 5636	uncharacterized LOC116411678, trans
## 5637	uncharacterized LOC116411694, trans
## 5638	uncharacterized LOC116411694, trans
## 5639	PHD finger protein 14, trans
## 5640	
## 5641	uncharacter
## 5642	Sp8 transcription factor, trans
## 5643	uncharacterized LOC116411738, trans
## 5644	uncharacterized LOC116411738, trans
## 5645	nuclear pore complex protein Nup160-like, trans
## 5646	serine/threonine-protein kinase 3-like, trans
## 5647	uncharacterized LOC101732127, trans
## 5648	uncharacterized LOC101732127, trans
## 5649	uncharacter
## 5650	uncharacterized LOC105947687, trans
## 5651	uncharacterized LOC105947687, trans
## 5652	family with sequence similarity 126 member A, trans
## 5653	uncharacter
## 5654	uncharacter
## 5655	calcium-independent protein kinase C-like, trans
## 5656	uncharacter
## 5657	
## 5658	
## 5659	uncharacter
## 5660	heterogeneous nuclear ribonucleoprotein A2/B1, trans
## 5661	uncharacter
## 5662	uncharacter
## 5663	uncharacter
## 5664	homeobox A9, trans
## 5665	
## 5666	uncharacter
## 5667	uncharacter
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## 5669	uncharacter
## 5670	uncharacter
## 5671	uncharacter
## 5672	uncharacter
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## 5674	uncharacter
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## 5676	uncharacter
## 5677	uncharacter
## 5678	uncharacter
## 5679	
## 5680	uncharacter
## 5681	anoctamin 10, trans
## 5682	uncharacter
## 5683	DnaJ heat shock protein family (Hsp40) member C13, trans
## 5684	PYLa/PGLa A-like, trans
## 5685	PYLa/PGLa A-like, trans
## 5686	xenopsin peptides-like, trans
## 5687	uncharacter
## 5688	uncharacter

## 5689		uncharacter
## 5690		uncharacter
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## 5697		uncharacter
## 5698	uncharacterized LOC101731772, trans	
## 5699	uncharacterized LOC101731772, trans	
## 5700		uncharacter
## 5701		uncharacter
## 5702		uncharacter
## 5703		golgin A4, trans
## 5704	uncharacterized LOC101732867, trans	
## 5705	uncharacterized LOC101732867, trans	
## 5706	uncharacterized LOC101732867, trans	
## 5707	BMP binding endothelial regulator, trans	
## 5708		uncharacter
## 5709		uncharacter
## 5710		uncharacter
## 5711	uncharacterized LOC101731267, trans	
## 5712	uncharacterized LOC101731267, trans	
## 5713		uncharacter
## 5714	mediator complex subunit 1 like, trans	
## 5715	uncharacterized LOC108647912, trans	
## 5716	uncharacterized LOC108647912, trans	
## 5717	uncharacterized LOC108647912, trans	
## 5718		m
## 5719		uncharacter
## 5720		
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## 5722		uncharacter
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## 5725		mitochondrial ribos
## 5726		uncharacter
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## 5731		uncharacter
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## 5733		uncharacter
## 5734		uncharacter
## 5735		uncharacter
## 5736	trio Rho guanine nucleotide exchange factor, trans	
## 5737		uncharacter
## 5738	uncharacterized LOC105947654, trans	
## 5739	uncharacterized LOC105947654, trans	
## 5740		uncharacter
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## 5746	uncharacter
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## 5748	uncharacter
## 5749	uncharacter
## 5750	uncharacterized LOC101734168, trans
## 5751	uncharacter
## 5752	uncharacter
## 5753	uncharacter
## 5754	uncharacter
## 5755	uncharacter
## 5756	uncharacter
## 5757	uncharacterized LOC116411550, trans
## 5758	uncharacterized LOC116411550, trans
## 5759	uncharacter
## 5760	uncharacter
## 5761	uncharacter
## 5762	pre-mRNA processing factor 4B, trans
## 5763	pre-mRNA processing factor 4B, trans
## 5764	pre-mRNA processing factor 4B, trans
## 5765	pre-mRNA processing factor 4B, trans
## 5766	pre-mRNA processing factor 4B, trans
## 5767	pre-mRNA processing factor 4B, trans
## 5768	pre-mRNA processing factor 4B, trans
## 5769	biphenyl hydrolase-like (serine hydrolase), trans
## 5770	uncharacter
## 5771	uncharacter
## 5772	desmoplakin, trans
## 5773	desmoplakin, trans
## 5774	desmoplakin, trans
## 5775	uncharacter
## 5776	uncharacter
## 5777	uncharacterized LOC116411712, trans
## 5778	uncharacterized LOC116411712, trans
## 5779	uncharacter
## 5780	uncharacter
## 5781	uncharacter
## 5782	uncharacter
## 5783	uncharacter
## 5784	DEK proto-oncogene, trans
## 5785	uncharacter
## 5786	uncharacter
## 5787	uncharacter
## 5788	uncharacterized LOC116411781, trans
## 5789	uncharacterized LOC116411781, trans
## 5790	uncharacterized LOC116411781, trans
## 5791	uncharacter
## 5792	
## 5793	uncharacter
## 5794	uncharacterized LOC101732499, trans
## 5795	uncharacterized LOC101732499, trans
## 5796	uncharacterized LOC101732499, trans

## 5797	uncharacterized LOC101732499, trans
## 5798	
## 5799	uncharacter
## 5800	uncharacterized LOC105947636, trans
## 5801	uncharacterized LOC105947636, trans
## 5802	uncharacter
## 5803	uncharacterized LOC108644708, trans
## 5804	uncharacterized LOC108644708, trans
## 5805	uncharacterized LOC108644708, trans
## 5806	uncharacterized LOC108644708, trans
## 5807	uncharacter
## 5808	centrosomal protein 76kDa, trans
## 5809	metallophosphoesterase 1, trans
## 5810	uncharacter
## 5811	uncharacter
## 5812	uncharacter
## 5813	A-kinase anchor inhibitor 1, trans
## 5814	uncharacter
## 5815	methyltransferase like 4, trans
## 5816	methyltransferase like 4, trans
## 5817	uncharacter
## 5818	
## 5819	
## 5820	uncharacterized LOC101732092, trans
## 5821	uncharacter
## 5822	uncharacter
## 5823	uncharacter
## 5824	U6
## 5825	uncharacter
## 5826	uncharacter
## 5827	uncharacter
## 5828	uncharacter
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## 5832	uncharacter
## 5833	uncharacter
## 5834	uncharacterized LOC105947628, trans
## 5835	uncharacterized LOC105947628, trans
## 5836	uncharacter
## 5837	small r
## 5838	carbonic anhydrase VIII, trans
## 5839	small nucleolar r
## 5840	uncharacter
## 5841	uncharacter
## 5842	uncharacter
## 5843	
## 5844	uncharacterized LOC116411680, trans
## 5845	uncharacterized LOC116411680, trans
## 5846	uncharacter
## 5847	uncharacter
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## 5849	uncharacter
## 5850	uncharacter

## 5851		uncharacter
## 5852		
## 5853		uncharacter
## 5854	zinc finger AN1-type containing 1, tran	
## 5855		uncharacter
## 5856		uncharacter
## 5857		uncharacter
## 5858		uncharacter
## 5859	leucine-rich repeat and coiled-coil domain-containing protein 1-like, tran	
## 5860	leucine-rich repeat and coiled-coil domain-containing protein 1-like, tran	
## 5861		uncharacter
## 5862	2,4-dienoyl-CoA reductase 1, tran	
## 5863		
## 5864		
## 5865		
## 5866	epithelial splicing regulatory protein 1, tran	
## 5867		small nucl
## 5868		
## 5869		uncharacter
## 5870		
## 5871		
## 5872		
## 5873		uncharacter
## 5874	uncharacterized LOC116411551, tran	
## 5875	uncharacterized LOC116411551, tran	
## 5876		uncharacter
## 5877		uncharacter
## 5878		uncharacter
## 5879	uncharacterized LOC100487686, tran	
## 5880	uncharacterized LOC100487686, tran	
## 5881	uncharacterized LOC100487686, tran	
## 5882		
## 5883		uncharacter
## 5884		
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HERV-H 1

uncharacter

histone H1A-like, trans

## 6013	
## 6014	uncharacter
## 6015	uncharacter
## 6016	small nucl
## 6017	small nucl
## 6018	uncharacter
## 6019	
## 6020	uncharacter
## 6021	
## 6022	adhesion G protein-coupled receptor E2, tran
## 6023	
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## 6027	somatic
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## 6079	
## 6080	
## 6081	
## 6082	
## 6083	
## 6084	
## 6085	
## 6086	
## 6087	
## 6088	
## 6089	uncharacterized LOC116411586, transmembrane protein
## 6090	TBC1 domain family member 20-like, transmembrane protein
## 6091	uncharacterized LOC116411586, transmembrane protein
## 6092	uncharacterized LOC116411586, transmembrane protein
## 6093	uncharacterized LOC116411586, transmembrane protein
## 6094	
## 6095	
## 6096	
## 6097	
## 6098	
## 6099	
## 6100	
## 6101	
## 6102	
## 6103	uncharacterized LOC116412084, transmembrane protein
## 6104	
## 6105	
## 6106	
## 6107	
## 6108	
## 6109	
## 6110	
## 6111	
## 6112	
## 6113	
## 6114	uncharacterized LOC116411586, transmembrane protein
## 6115	
## 6116	
## 6117	
## 6118	
## 6119	
## 6120	

## 6121	
## 6122	
## 6123	
## 6124	
## 6125	
## 6126	
## 6127	uncharacterized LOC116412108, trans
## 6128	uncharacterized LOC116412108, trans
## 6129	
## 6130	uncharacter
## 6131	uncharacterized LOC100495497, trans
## 6132	uncharacterized LOC100495497, trans
## 6133	uncharacterized LOC100495497, trans
## 6134	uncharacter
## 6135	uncharacter
## 6136	
## 6137	BBSome inte
## 6138	uncharacter
## 6139	Rho guanine nucleotide c
## 6140	hyaluronan l
## 6141	uncharacter
## 6142	transcription factor 7 like 2, trans
## 6143	actin filament associated protein 1 like 2, trans
## 6144	small nucl
## 6145	small nucl
## 6146	small nucl
## 6147	small nucl
## 6148	small nucl
## 6149	small nucl
## 6150	uncharacter
## 6151	uncharacter
## 6152	uncharacter
## 6153	alpha-2-macroglobulin-like protein 1, trans
## 6154	
## 6155	alpha-2-macroglobul
## 6156	stress response protein NST1-like, trans
## 6157	stress response protein NST1-like, trans
## 6158	stress response protein NST1-like, trans
## 6159	stress response protein NST1-like, trans
## 6160	stress response protein NST1-like, trans
## 6161	uncharacter
## 6162	uncharacter
## 6163	
## 6164	uncharacterized LOC116412058, trans
## 6165	uncharacterized LOC116412058, trans
## 6166	
## 6167	uncharacter
## 6168	uncharacter
## 6169	uncharacter
## 6170	uncharacterized LOC105946649, trans
## 6171	uncharacterized LOC105946649, trans
## 6172	uncharacter
## 6173	uncharacter
## 6174	uncharacterized LOC101733476, trans

## 6175	uncharacterized LOC101733476, trans
## 6176	uncharacter
## 6177	uncharacter
## 6178	uncharacter
## 6179	uncharacterized LOC105945820, trans
## 6180	uncharacterized LOC105945820, trans
## 6181	uncharacterized LOC105945820, trans
## 6182	alpha-1-macroglobulin-like, trans
## 6183	alpha-1-macroglobulin-like, trans
## 6184	alpha-1-macroglobulin-like, trans
## 6185	uncharacter
## 6186	uncharacter
## 6187	uncharacter
## 6188	serine/threonine-protein kinase N2-like, trans
## 6189	U7
## 6190	uncharacter
## 6191	small
## 6192	small
## 6193	small Cajal bod
## 6194	uncharacter
## 6195	uncharacter
## 6196	uncharacter
## 6197	
## 6198	
## 6199	
## 6200	
## 6201	
## 6202	
## 6203	
## 6204	
## 6205	uncharacter
## 6206	uncharacter
## 6207	uncharacter
## 6208	uncharacter
## 6209	uncharacter
## 6210	uncharacter
## 6211	deoxynucleotidyltransferase, terminal, inter
## 6212	uncharacter
## 6213	uncharacterized LOC108648145, trans
## 6214	uncharacterized LOC108648145, trans
## 6215	uncharacter
## 6216	uncharacter
## 6217	uncharacter
## 6218	
## 6219	uncharacter
## 6220	acrosin-binding
## 6221	uncharacter
## 6222	uncharacter
## 6223	uncharacterized LOC116412460, trans
## 6224	uncharacterized LOC116412460, trans
## 6225	uncharacter
## 6226	uncharacter
## 6227	uncharacter
## 6228	uncharacter

## 6229	
## 6230	uncharacter
## 6231	uncharacter
## 6232	m
## 6233	m
## 6234	uncharacter
## 6235	uncharacter
## 6236	STN1, CST complex subunit, trans
## 6237	STN1, CST complex subunit, trans
## 6238	uncharacter
## 6239	
## 6240	uncharacter
## 6241	uncharacter
## 6242	uncharacter
## 6243	uncharacter
## 6244	uncharacter
## 6245	uncharacterized LOC101735144, trans
## 6246	uncharacterized LOC101735144, trans
## 6247	uncharacter
## 6248	uncharacter
## 6249	uncharacter
## 6250	uncharacter
## 6251	uncharacter
## 6252	uncharacter
## 6253	uncharacter
## 6254	uncharacterized LOC116412242, trans
## 6255	uncharacterized LOC116412242, trans
## 6256	uncharacter
## 6257	uncharacterized LOC116412243, trans
## 6258	uncharacterized LOC116412243, trans
## 6259	uncharacter
## 6260	uncharacter
## 6261	uncharacter
## 6262	uncharacterized LOC116412414, trans
## 6263	uncharacterized LOC116412414, trans
## 6264	uncharacter
## 6265	uncharacter
## 6266	uncharacter
## 6267	uncharacterized LOC105948023, trans
## 6268	uncharacterized LOC105948023, trans
## 6269	uncharacterized LOC116412200, trans
## 6270	uncharacterized LOC116412200, trans
## 6271	uncharacter
## 6272	I
## 6273	uncharacterized LOC101732480, trans
## 6274	uncharacterized LOC101732480, trans
## 6275	
## 6276	uncharacter
## 6277	uncharacter
## 6278	uncharacter
## 6279	cyclin and CBS domain divalent metal cation transport mediator 1, trans
## 6280	uncharacter
## 6281	uncharacter
## 6282	uncharacter

## 6283	
## 6284	
## 6285	uncharacterized LOC116412075, trans
## 6286	uncharacterized LOC116412075, trans
## 6287	uncharacter
## 6288	uncharacter
## 6289	uncharacterized LOC101735151, trans
## 6290	uncharacterized LOC101735151, trans
## 6291	uncharacterized LOC101735151, trans
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## 6293	uncharacter
## 6294	uncharacterized LOC100493999, trans
## 6295	
## 6296	uncharacter
## 6297	beta-microseminoprotein, trans
## 6298	beta-microseminoprotein, trans
## 6299	beta-microseminoprotein, trans
## 6300	beta-microseminoprotein, trans
## 6301	activating signal cointegrator 1 complex subunit 1, trans
## 6302	uncharacter
## 6303	uncharacterized LOC100497842, trans
## 6304	uncharacterized LOC100497842, trans
## 6305	uncharacter
## 6306	chromosome 10 open r
## 6307	uncharacter
## 6308	uncharacter
## 6309	uncharacter
## 6310	uncharacter
## 6311	uncharacter
## 6312	uncharacter
## 6313	uncharacter
## 6314	uncharacter
## 6315	uncharacter
## 6316	uncharacter
## 6317	potential lncRNA loc100496
## 6318	uncharacter
## 6319	uncharacter
## 6320	small nucl
## 6321	small nucl
## 6322	small nucl
## 6323	small nucl
## 6324	peptidylprolyl isomerase F, tran
## 6325	uncharacter
## 6326	uncharacter
## 6327	uncharacter
## 6328	uncharacter
## 6329	uncharacter
## 6330	uncharacter
## 6331	uncharacter
## 6332	uncharacter
## 6333	uncharacter
## 6334	uncharacter
## 6335	uncharacterized LOC100486241, trans
## 6336	uncharacterized LOC100486241, trans

## 6337	uncharacterized LOC100486241, trans
## 6338	uncharacterized LOC116412219, trans
## 6339	uncharacter
## 6340	uncharacter
## 6341	uncharacter
## 6342	
## 6343	syntaxin 3, trans
## 6344	syntaxin 3, trans
## 6345	syntaxin 3, trans
## 6346	uncharacter
## 6347	uncharacter
## 6348	uncharacter
## 6349	uncharacter
## 6350	uncharacter
## 6351	Rho GTPase activating protein 22, trans
## 6352	Rho GTPase activating protein 22, trans
## 6353	uncharacter
## 6354	uncharacterized LOC116412016, trans
## 6355	uncharacterized LOC116412016, trans
## 6356	uncharacter
## 6357	uncharacter
## 6358	uncharacter
## 6359	uncharacter
## 6360	uncharacter
## 6361	uncharacterized LOC101731286, trans
## 6362	uncharacterized LOC101731286, trans
## 6363	uncharacterized LOC105947777, trans
## 6364	uncharacterized LOC105947777, trans
## 6365	uncharacterized LOC105947777, trans
## 6366	uncharacter
## 6367	mitotic arrest deficient 2 like 2, trans
## 6368	chloride channel, voltage-sensitive 6, trans
## 6369	uncharacter
## 6370	small nucle
## 6371	small nucle
## 6372	small nucle
## 6373	uncharacter
## 6374	immunoglobulin superfamily member 9B, trans
## 6375	uncharacter
## 6376	sorting nexin 19, trans
## 6377	sorting nexin 19, trans
## 6378	sorting nexin 19, trans
## 6379	sorting nexin 19, trans
## 6380	sorting nexin 19, trans
## 6381	ADAM metalloproteinase with thrombospondin type 1 motif 8, trans
## 6382	uncharacter
## 6383	
## 6384	uncharacter
## 6385	uncharacterized LOC116412091, trans
## 6386	uncharacterized LOC116412091, trans
## 6387	uncharacter
## 6388	
## 6389	uncharacter
## 6390	

## 6391		
## 6392	uncharacter	
## 6393	uncharacter	
## 6394	uncharacter	
## 6395		
## 6396		
## 6397		
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## 6399		
## 6400		
## 6401		
## 6402		5
## 6403		2
## 6404		
## 6405		5
## 6406		2
## 6407		2
## 6408		5
## 6409		2
## 6410		2
## 6411		5
## 6412		2
## 6413		2
## 6414		5
## 6415		2
## 6416		
## 6417		5
## 6418		2
## 6419		5
## 6420		2
## 6421		2
## 6422		5
## 6423		
## 6424		2
## 6425		5
## 6426		2
## 6427		5
## 6428		2
## 6429		2
## 6430		5
## 6431		2
## 6432		2
## 6433		5
## 6434		2
## 6435		2
## 6436		5
## 6437		2
## 6438		2
## 6439		5
## 6440		2
## 6441		2
## 6442		5
## 6443	uncharacterized LOC116412333, trans	
## 6444	uncharacterized LOC116412333, trans	

## 6445	uncharacterized LOC116412333, trans
## 6446	uncharacter
## 6447	uncharacter
## 6448	
## 6449	uncharacter
## 6450	uncharacter
## 6451	
## 6452	family with sequence similarity 118 member B, trans
## 6453	family with sequence similarity 118 member B, trans
## 6454	
## 6455	small nucleolar RNA SNORA
## 6456	small nucleolar RNA SNORA
## 6457	
## 6458	mi
## 6459	uncharacter
## 6460	uncharacter
## 6461	uncharacter
## 6462	uncharacter
## 6463	uncharacter
## 6464	uncharacter
## 6465	uncharacter
## 6466	m
## 6467	m
## 6468	
## 6469	uncharacter
## 6470	uncharacter
## 6471	uncharacter
## 6472	uncharacter
## 6473	uncharacter
## 6474	uncharacter
## 6475	uncharacter
## 6476	
## 6477	
## 6478	
## 6479	uncharacter
## 6480	sterile alpha motif domain containing 11, trans
## 6481	
## 6482	uncharacter
## 6483	
## 6484	uncharacter
## 6485	uncharacter
## 6486	uncharacter
## 6487	
## 6488	uncharacter
## 6489	uncharacter
## 6490	uncharacter
## 6491	speedy protein 1-B-like, trans
## 6492	uncharacter
## 6493	uncharacter
## 6494	
## 6495	
## 6496	
## 6497	
## 6498	

## 6499	
## 6500	
## 6501	
## 6502	uncharacterized LOC100145450, trans
## 6503	uncharacterized LOC100145450, trans
## 6504	uncharacterized LOC100145450, trans
## 6505	uncharacterized LOC100145450, trans
## 6506	uncharacterized LOC108648190, trans
## 6507	uncharacterized LOC108648190, trans
## 6508	uncharacterized
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## 6510	
## 6511	
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## 6513	uncharacterized
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## 6515	uncharacterized
## 6516	uncharacterized
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## 6525	
## 6526	
## 6527	uncharacterized
## 6528	uncharacterized
## 6529	Uncharacterized
## 6530	vomeronasal type-2
## 6531	vomeronasal type-2
## 6532	vomeronasal type-2
## 6533	vomeronasal type-2
## 6534	vomeronasal type-2
## 6535	
## 6536	vomeronasal type-2
## 6537	vomeronasal type-2
## 6538	uncharacterized
## 6539	uncharacterized
## 6540	ubiquitin carboxyl-terminal hydrolase 40-like, trans
## 6541	uncharacterized
## 6542	
## 6543	ubiquitin carboxyl-terminal hydrolase 40, trans
## 6544	ubiquitin carboxyl-terminal hydrolase 40, trans
## 6545	uncharacterized LOC116412469, trans
## 6546	uncharacterized LOC116412469, trans
## 6547	uncharacterized LOC116412469, trans
## 6548	uncharacterized LOC105945930, trans
## 6549	uncharacterized LOC105945930, trans
## 6550	multiple EGF-like-domains 8, trans
## 6551	multiple EGF-like-domains 8, trans
## 6552	uncharacterized

## 6553		uncharacter
## 6554		uncharacter
## 6555	V-set and immunoglobulin domain-containing protein 1, tran	
## 6556	carcinoembryonic antigen-related cell adhesion molecule 19, tran	
## 6557	carcinoembryonic antigen-related cell adhesion molecule 19, tran	
## 6558		uncharacter
## 6559		uncharacter
## 6560		uncharacter
## 6561		uncharacter
## 6562		uncharacter
## 6563		uncharacter
## 6564		uncharacter
## 6565		
## 6566		uncharacter
## 6567		
## 6568		uncharacter
## 6569		uncharacter
## 6570		uncharacter
## 6571		
## 6572		uncharacter
## 6573		small Cajal bo
## 6574	uncharacterized LOC108648161, tran	
## 6575	uncharacterized LOC108648161, tran	
## 6576		uncharacter
## 6577		uncharacter
## 6578		uncharacter
## 6579		uncharacter
## 6580		uncharacter
## 6581		uncharacter
## 6582	neuronal pentraxin-1, tran	
## 6583		
## 6584		
## 6585		
## 6586		
## 6587		
## 6588		
## 6589		
## 6590		
## 6591		
## 6592		
## 6593		
## 6594		
## 6595		uncharacter
## 6596		small nucl
## 6597		small nucl
## 6598		small nucl
## 6599		small nucl
## 6600		small nucl
## 6601		
## 6602		uncharacter
## 6603	uncharacterized LOC116412294, tran	
## 6604		uncharacter
## 6605		
## 6606		

## 6607	
## 6608	uncharacter
## 6609	uncharacter
## 6610	
## 6611	uncharacter
## 6612	uncharacter
## 6613	uncharacter
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## 6616	uncharacter
## 6617	uncharacter
## 6618	uncharacter
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## 6625	uncharacter
## 6626	uncharacter
## 6627	uncharacter
## 6628	uncharacter
## 6629	uncharacter
## 6630	zinc finger BED domain-containing protein 6, trans
## 6631	uncharacter
## 6632	Rho GTPase activating protein 33, trans
## 6633	U7 s
## 6634	U7 s
## 6635	U7 s
## 6636	U7 s
## 6637	U7 s
## 6638	U7 s
## 6639	U7 s
## 6640	U7 s
## 6641	U7 s
## 6642	U7 s
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## 6646	U7 s
## 6647	U7 s
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## 6649	U7 s
## 6650	U7 s
## 6651	U7 s
## 6652	U7 s
## 6653	U7 s
## 6654	U7 s
## 6655	U7 s
## 6656	U7 s
## 6657	U7 s
## 6658	U7 s
## 6659	U7 s
## 6660	U7 s

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## 6661
## 6662
## 6663
## 6664
## 6665
## 6666
##      Protein.accession      Protein.name Protein.length
## 1
## 2
## 3
## 4
## 5
## 6
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## 8
## 9
## 10
## 11
## 12
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## 22
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## 24
## 25
## 26
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## 28
## 29
## 30
## 31
## 32
## 33
## 34      XP_031750970.1 vomeronasal type-2 receptor 26-like      860
## 35      XP_031750972.1      vomeronasal type-2 receptor 26      864
## 36      XP_031750973.1 vomeronasal type-2 receptor 26-like      221
## 37      XP_031750975.1 vomeronasal type-2 receptor 26-like      257
## 38      XP_031750981.1 vomeronasal type-2 receptor 26-like      177
## 39      XP_031751000.1 vomeronasal type-2 receptor 26-like      331
## 40      XP_031751001.1 vomeronasal type-2 receptor 26-like      181
## 41      XP_012811524.1 vomeronasal type-2 receptor 26-like      863
## 42      XP_017945145.1      vomeronasal type-2 receptor 26      863
## 43      XP_017945144.2      vomeronasal type-2 receptor 26      340
## 44      XP_031751002.1      vomeronasal type-2 receptor 26      868
## 45      XP_031751003.1 vomeronasal type-2 receptor 26-like      177
## 46      XP_031751004.1 vomeronasal type-2 receptor 26-like      437
## 47      XP_031751005.1 vomeronasal type-2 receptor 26-like      337

```

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U7
U7
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## 48	XP_031751006.1	vomeronasal type-2 receptor 26-like	407
## 49	XP_031751007.1	vomeronasal type-2 receptor 26-like	290
## 50	XP_031751008.1	vomeronasal type-2 receptor 26	858
## 51	XP_031751009.1	vomeronasal type-2 receptor 26-like	179
## 52	XP_031751011.1	vomeronasal type-2 receptor 26-like	248
## 53	XP_031751012.1	vomeronasal type-2 receptor 26-like	795
## 54	XP_031751013.1	vomeronasal type-2 receptor 26-like	865
## 55	XP_031751014.1	vomeronasal type-2 receptor 26-like	243
## 56	XP_017946374.2	vomeronasal type-2 receptor 26	191
## 57	XP_031751035.1	vomeronasal type-2 receptor 26	166
## 58			NA
## 59	XP_031751015.1	vomeronasal type-2 receptor 26-like	209
## 60	XP_031751016.1	vomeronasal type-2 receptor 26	197
## 61	XP_031751017.1	vomeronasal type-2 receptor 26-like	866
## 62	XP_012811561.1	vomeronasal type-2 receptor 26	867
## 63	XP_031751018.1	vomeronasal type-2 receptor 26-like	865
## 64	XP_031751019.1	vomeronasal type-2 receptor 26-like	868
## 65	XP_012811564.1	vomeronasal type-2 receptor 26	892
## 66	XP_017946379.2	vomeronasal type-2 receptor 26	180
## 67	XP_031751020.1	vomeronasal type-2 receptor 26-like	866
## 68	XP_012811543.1	vomeronasal type-2 receptor 26	878
## 69	XP_031751021.1	vomeronasal type-2 receptor 26	177
## 70	XP_031751022.1	vomeronasal type-2 receptor 26-like	179
## 71	XP_004911570.2	vomeronasal type-2 receptor 26-like	883
## 72	XP_031751023.1	vomeronasal type-2 receptor 26	909
## 73	XP_031751025.1	vomeronasal type-2 receptor 26-like	802
## 74	XP_031751026.1	vomeronasal type-2 receptor 26-like	211
## 75			NA
## 76	XP_031751027.1	vomeronasal type-2 receptor 26	211
## 77	XP_012811586.2	vomeronasal type-2 receptor 26	217
## 78			NA
## 79			NA
## 80			NA
## 81			NA
## 82	XP_031751034.1	vomeronasal type-2 receptor 26	318
## 83			NA
## 84	XP_017945076.2	vomeronasal type-2 receptor 26	235
## 85	XP_031750928.1	vomeronasal type-2 receptor 26-like	171
## 86			NA
## 87	XP_031750929.1	vomeronasal type-2 receptor 26	166
## 88	XP_031751036.1	vomeronasal type-2 receptor 26	211
## 89	XP_031751037.1	vomeronasal type-2 receptor 26-like	296
## 90			NA
## 91	XP_031751038.1	vomeronasal type-2 receptor 26-like	235
## 92	XP_031750930.1	vomeronasal type-2 receptor 26	301
## 93	XP_012811639.2	vomeronasal type-2 receptor 26	235
## 94	XP_031750931.1	vomeronasal type-2 receptor 26	166
## 95	XP_017945074.2	vomeronasal type-2 receptor 26	171
## 96	XP_031750932.1	vomeronasal type-2 receptor 26	171
## 97			NA
## 98			NA
## 99			NA
## 100			NA
## 101			NA

## 102		NA
## 103		NA
## 104		NA
## 105		NA
## 106	XP_031751040.1 vomeronasal type-2 receptor 26-like	872
## 107		NA
## 108	XP_031751041.1 vomeronasal type-2 receptor 26	1164
## 109	XP_031751042.1 vomeronasal type-2 receptor 26	902
## 110	XP_031751043.1 vomeronasal type-2 receptor 26	859
## 111	XP_017945372.2 vomeronasal type-2 receptor 26	166
## 112	XP_031751045.1 vomeronasal type-2 receptor 26-like	368
## 113	XP_012811269.2 vomeronasal type-2 receptor 26	301
## 114	XP_012811268.2 vomeronasal type-2 receptor 26	301
## 115	XP_031751046.1 vomeronasal type-2 receptor 26	717
## 116	XP_031751047.1 vomeronasal type-2 receptor 26-like	308
## 117	XP_031751048.1 vomeronasal type-2 receptor 26-like	532
## 118		NA
## 119	XP_031751049.1 vomeronasal type-2 receptor 26	301
## 120	XP_002941776.2 vomeronasal type-2 receptor 26	180
## 121	XP_031751050.1 vomeronasal type-2 receptor 26	478
## 122	XP_031751051.1 vomeronasal type-2 receptor 26	308
## 123	XP_012811596.1 vomeronasal type-2 receptor 26	872
## 124	XP_031751052.1 vomeronasal type-2 receptor 26	881
## 125	XP_031751053.1 vomeronasal type-2 receptor 26	1008
## 126		NA
## 127		NA
## 128	XP_031759892.1 vomeronasal type-2 receptor 26-like	277
## 129	XP_017945199.2 vomeronasal type-2 receptor 26	864
## 130	XP_031750933.1 vomeronasal type-2 receptor 26-like	273
## 131	XP_012811505.1 vomeronasal type-2 receptor 26	839
## 132	XP_017945198.2 vomeronasal type-2 receptor 26-like	848
## 133	XP_031759911.1 vomeronasal type-2 receptor 26	277
## 134		NA
## 135	XP_031759925.1 vomeronasal type-2 receptor 26-like	178
## 136	XP_031759931.1 vomeronasal type-2 receptor 26	178
## 137	XP_031759941.1 vomeronasal type-2 receptor 26-like	178
## 138	XP_031759953.1 vomeronasal type-2 receptor 26	865
## 139	XP_012811503.2 vomeronasal type-2 receptor 26	873
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## 141	XP_031760067.1 vomeronasal type-2 receptor 26-like	866
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##	217	XP_017946391.1	vomeronasal type-2 receptor 26	360
##	218	XP_031760300.1	vomeronasal type-2 receptor 26	249
##	219	XP_031760319.1	vomeronasal type-2 receptor 26	233
##	220	XP_017946394.1	vomeronasal type-2 receptor 26	246
##	221	XP_031760324.1	vomeronasal type-2 receptor 26-like	293
##	222	XP_012811458.1	vomeronasal type-2 receptor 26	233
##	223	XP_012811457.2	vomeronasal type-2 receptor 26	592
##	224	XP_012811455.1	vomeronasal type-2 receptor 26	221
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## 2001	XP_031752121.1 vomeronasal type-2 receptor 26-like	300
## 2002	XP_031752122.1 vomeronasal type-2 receptor 26-like	774
## 2003	XP_031752123.1 vomeronasal type-2 receptor 26-like	658
## 2004		NA
## 2005	XP_031752124.1 vomeronasal type-2 receptor 26	352
## 2006	XP_031752125.1 vomeronasal type-2 receptor 26-like	753
## 2007	XP_031752126.1 vomeronasal type-2 receptor 26-like	539
## 2008	XP_031753272.1 vomeronasal type-2 receptor 26	652
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## 2010	XP_012809954.2 vomeronasal type-2 receptor 26	739
## 2011	XP_031752127.1 vomeronasal type-2 receptor 26-like	426
## 2012	XP_031753274.1 vomeronasal type-2 receptor 26-like	290
## 2013		NA
## 2014	XP_012809146.1 vomeronasal type-2 receptor 26	693
## 2015	XP_017945227.2 vomeronasal type-2 receptor 26	441
## 2016	XP_031752128.1 vomeronasal type-2 receptor 26-like	311
## 2017	XP_017945230.2 vomeronasal type-2 receptor 26	469
## 2018	XP_017945229.2 vomeronasal type-2 receptor 26	668
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## 3750	XP_031754134.1	vomeronasal type-2 receptor 26-like 558
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## 3752	XP_012815749.2	vomeronasal type-2 receptor 26 660
## 3753	XP_017948199.1	vomeronasal type-2 receptor 26 628
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## 5411	XP_031758631.1 vomeronasal type-2 receptor 26-like	856
## 5412	XP_031758632.1 vomeronasal type-2 receptor 26-like	535
## 5413	XP_031758633.1 vomeronasal type-2 receptor 26-like	314
## 5414	XP_031758634.1 vomeronasal type-2 receptor 26-like	286
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## 5416	XP_017944870.2 vomeronasal type-2 receptor 26	417
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## 5420	XP_031758635.1 vomeronasal type-2 receptor 26	717
## 5421	XP_031758636.1 vomeronasal type-2 receptor 26-like	406
## 5422	XP_031758637.1 vomeronasal type-2 receptor 26-like	303
## 5423	XP_031758638.1 vomeronasal type-2 receptor 26-like	453
## 5424	XP_031758639.1 vomeronasal type-2 receptor 26-like	450
## 5425	XP_031758640.1 vomeronasal type-2 receptor 26-like	552
## 5426	XP_031758641.1 vomeronasal type-2 receptor 26-like	300
## 5427	XP_031758642.1 vomeronasal type-2 receptor 26-like	450
## 5428	XP_031758643.1 vomeronasal type-2 receptor 26-like	394
## 5429	XP_031758644.1 vomeronasal type-2 receptor 26-like	462
## 5430	XP_031758645.1 vomeronasal type-2 receptor 26-like	511
## 5431	XP_031758646.1 vomeronasal type-2 receptor 26-like	490
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## 5433	XP_031758648.1 vomeronasal type-2 receptor 26-like	697
## 5434	XP_031758652.1 vomeronasal type-2 receptor 26-like	629
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## 5437	XP_031758655.1 vomeronasal type-2 receptor 26-like	287
## 5438	XP_017944859.2 vomeronasal type-2 receptor 26	621
## 5439	XP_031758656.1 vomeronasal type-2 receptor 26-like	455
## 5440	XP_031758657.1 vomeronasal type-2 receptor 26-like	519
## 5441	XP_031758658.1 vomeronasal type-2 receptor 26-like	341
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## 5443	XP_031758659.1 vomeronasal type-2 receptor 26-like	490
## 5444	XP_031758660.1 vomeronasal type-2 receptor 26	548
## 5445	XP_031758662.1 vomeronasal type-2 receptor 26-like	856
## 5446	XP_031758663.1 vomeronasal type-2 receptor 26	853
## 5447	XP_031758664.1 vomeronasal type-2 receptor 26-like	726

## 5448	XP_031758665.1 vomeronasal type-2 receptor 26-like	398
## 5449	XP_031758666.1 vomeronasal type-2 receptor 26-like	524
## 5450	XP_031758667.1 vomeronasal type-2 receptor 26-like	458
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## 5454	XP_031758670.1 vomeronasal type-2 receptor 26-like	445
## 5455	XP_031758671.1 vomeronasal type-2 receptor 26-like	410
## 5456	XP_031758673.1 vomeronasal type-2 receptor 26-like	429
## 5457	XP_031758674.1 vomeronasal type-2 receptor 26-like	370
## 5458	XP_031758675.1 vomeronasal type-2 receptor 26-like	546
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## 5460	XP_031757756.1 vomeronasal type-2 receptor 26-like	407
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## 5482	XP_031758683.1 vomeronasal type-2 receptor 26	875
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## 6665      NA
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## [ reached 'max' / getOption("max.print") -- omitted 2118 rows ]
```

```
# top10 %>%
#   ggplot(aes(x = reorder(Protein.name, -Conteo), y = Conteo)) +
#   geom_bar(stat = "identity", fill = "skyblue") +
#   labs(title = "Top 10 Proteínas Más Frecuentes",
#        x = "Nombre de Proteína",
#        y = "Frecuencia") +
#   theme(axis.text.x = element_text(angle = 45, hjust = 1))
```