

Supplemental Material to:

**Fan Yi, Feng Yang, Xiaoqiao Liu, Hongbo Chen, Ting Ji,
Lixiang Jiang, Xiaoxia Wang, Zhangping Yang,
Li-He Zhang, Xianfeng Ding, Zicai Liang and Quan Du**

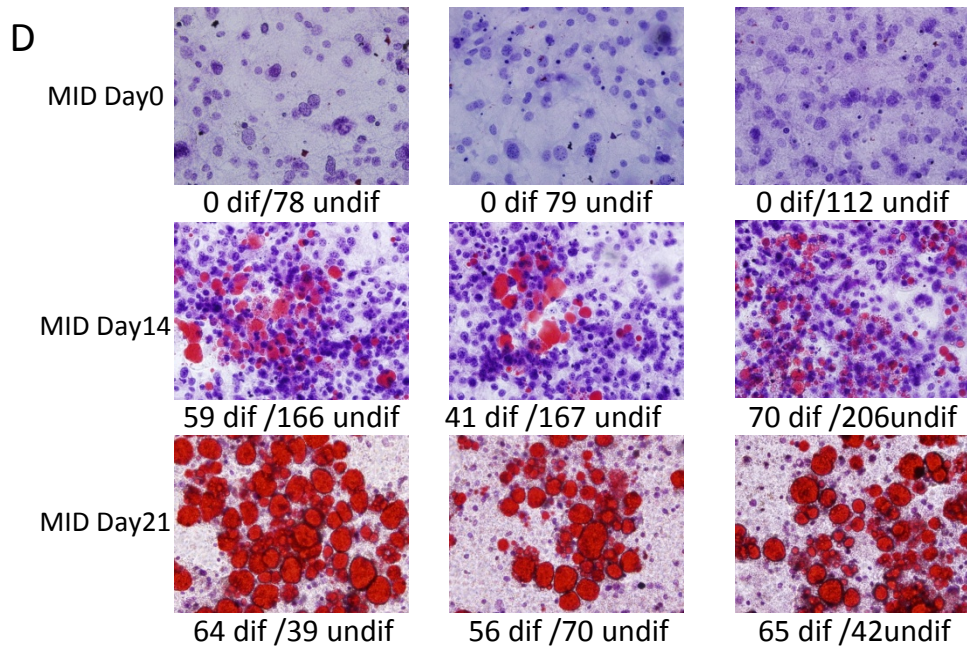
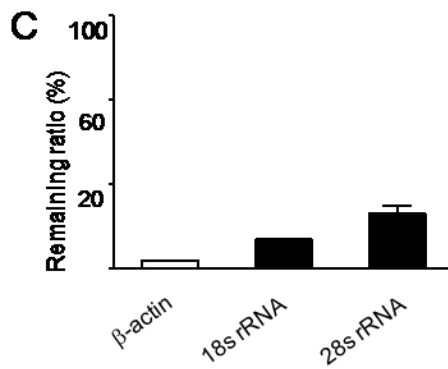
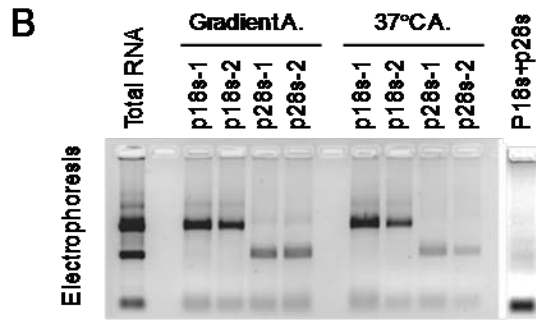
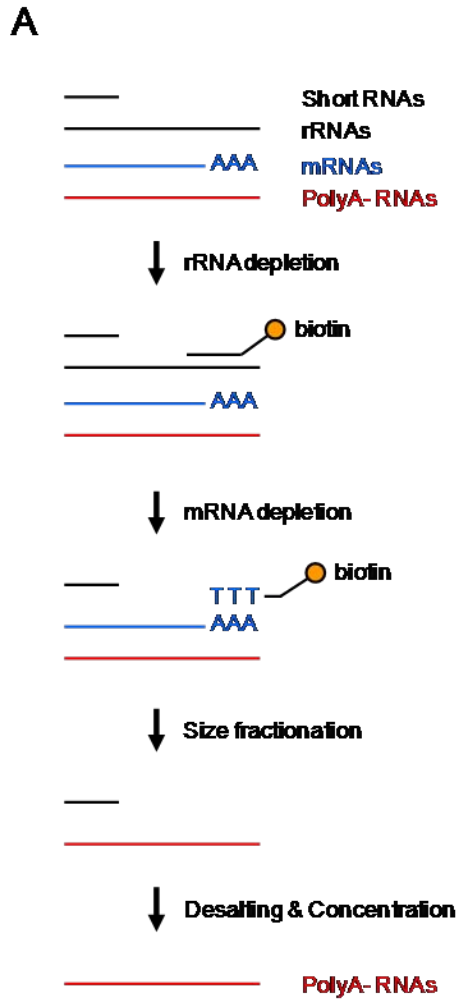
**RNA-seq identified a super-long intergenic
transcript functioning in adipogenesis**

2013; 10(6)

<http://dx.doi.org/10.4161/rna.24644>

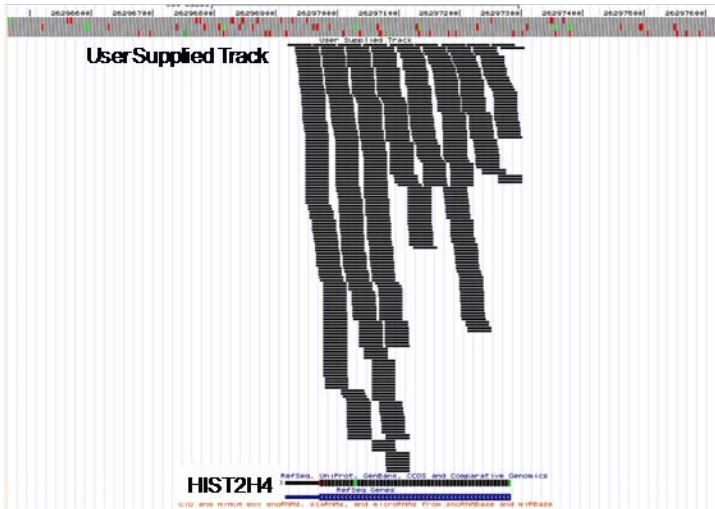
www.landesbioscience.com/journals/rnabiology/article/24644/

Yi_Supplementary Fig S1

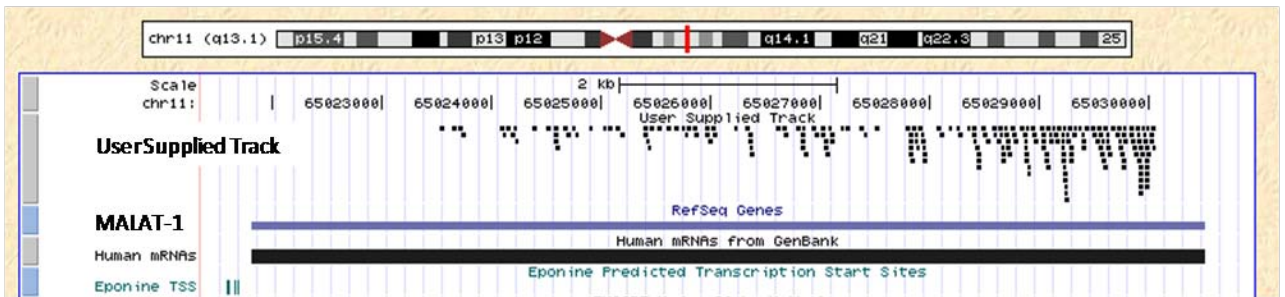


Yi_Supplementary Fig S2

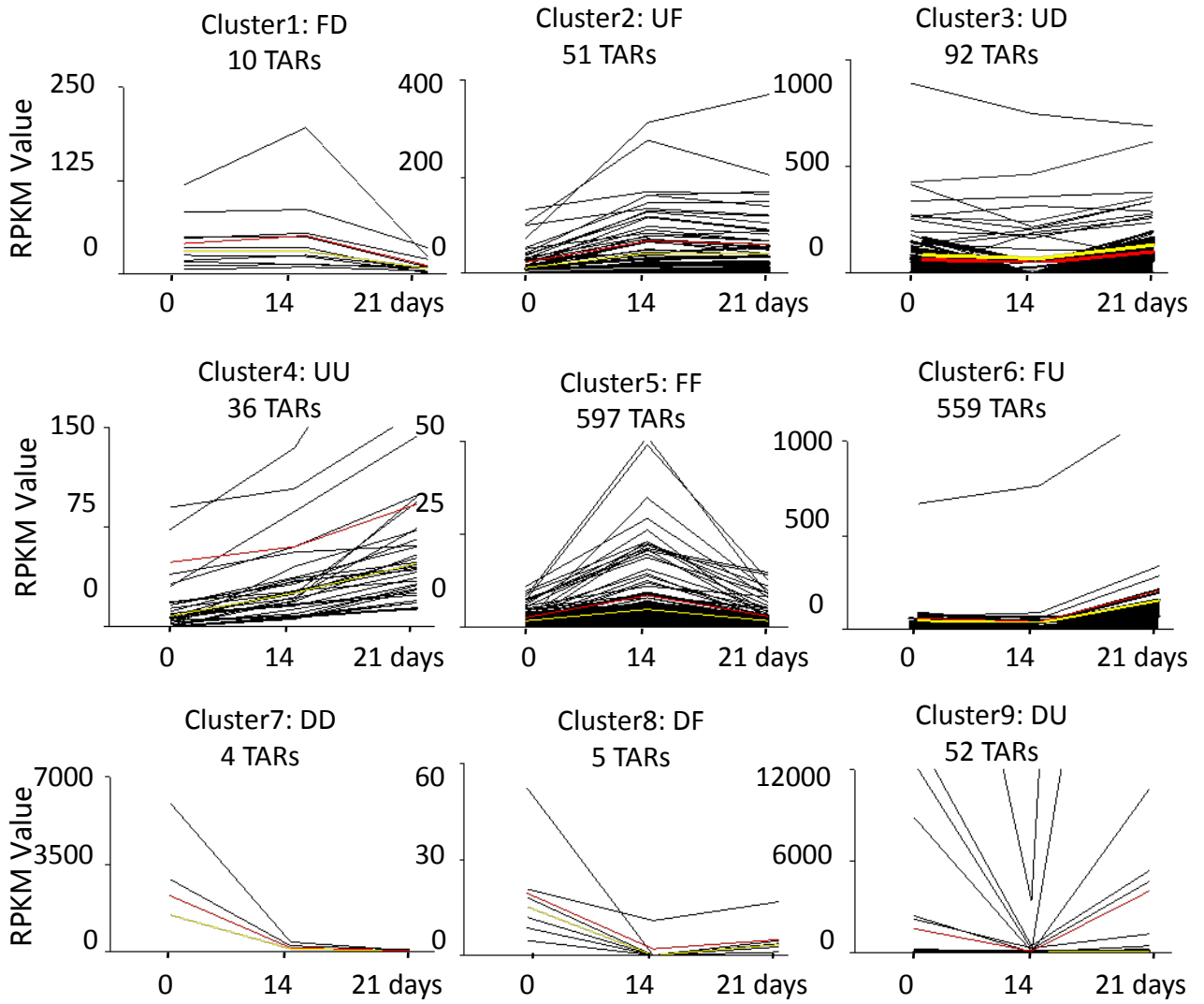
A



B

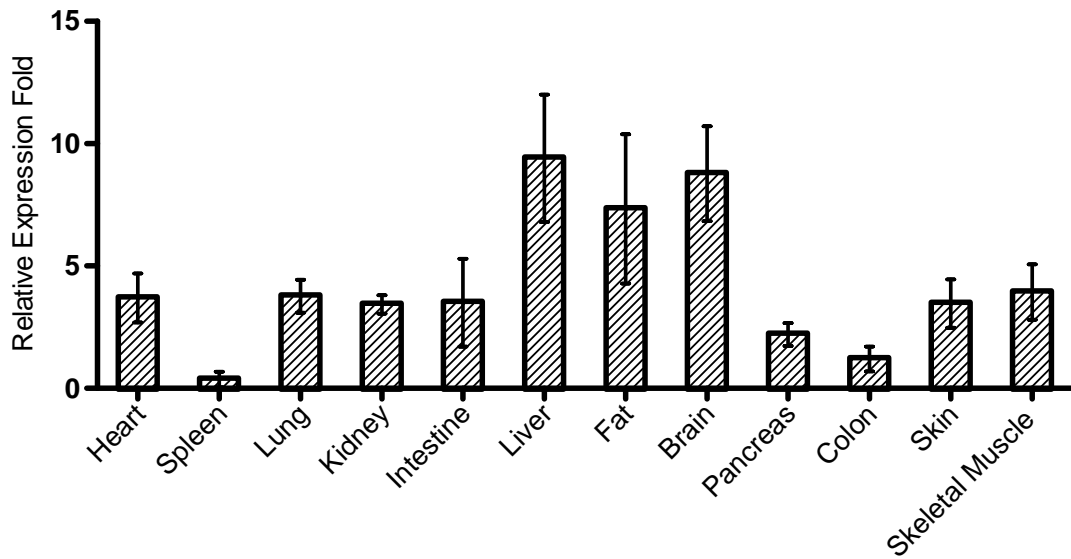


Yi_Supplementary Fig S3

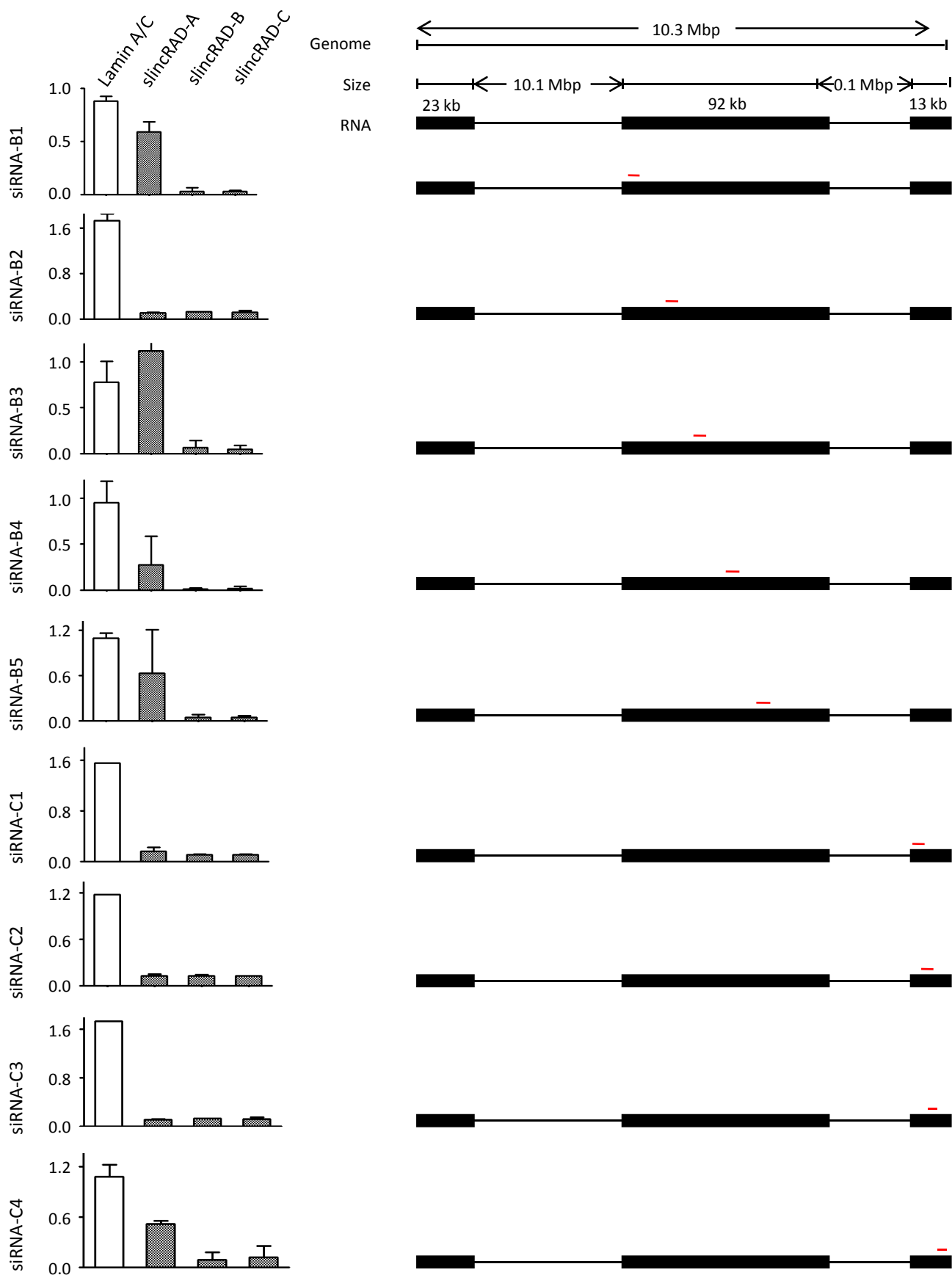


Yi_Supplementary Fig S4

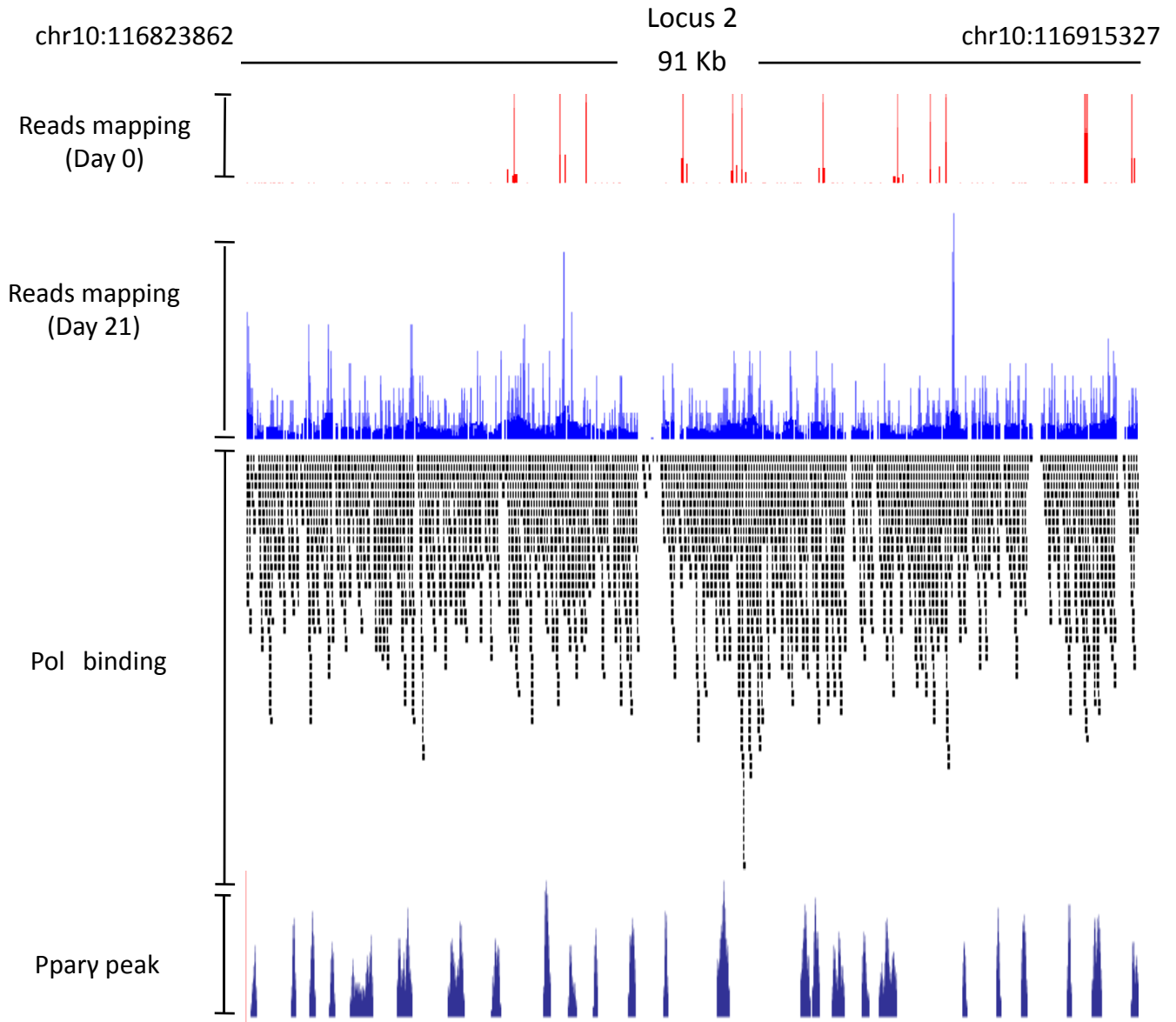
slincRAD Expression Variation in Mice Tissues (dB/dB vs C57)



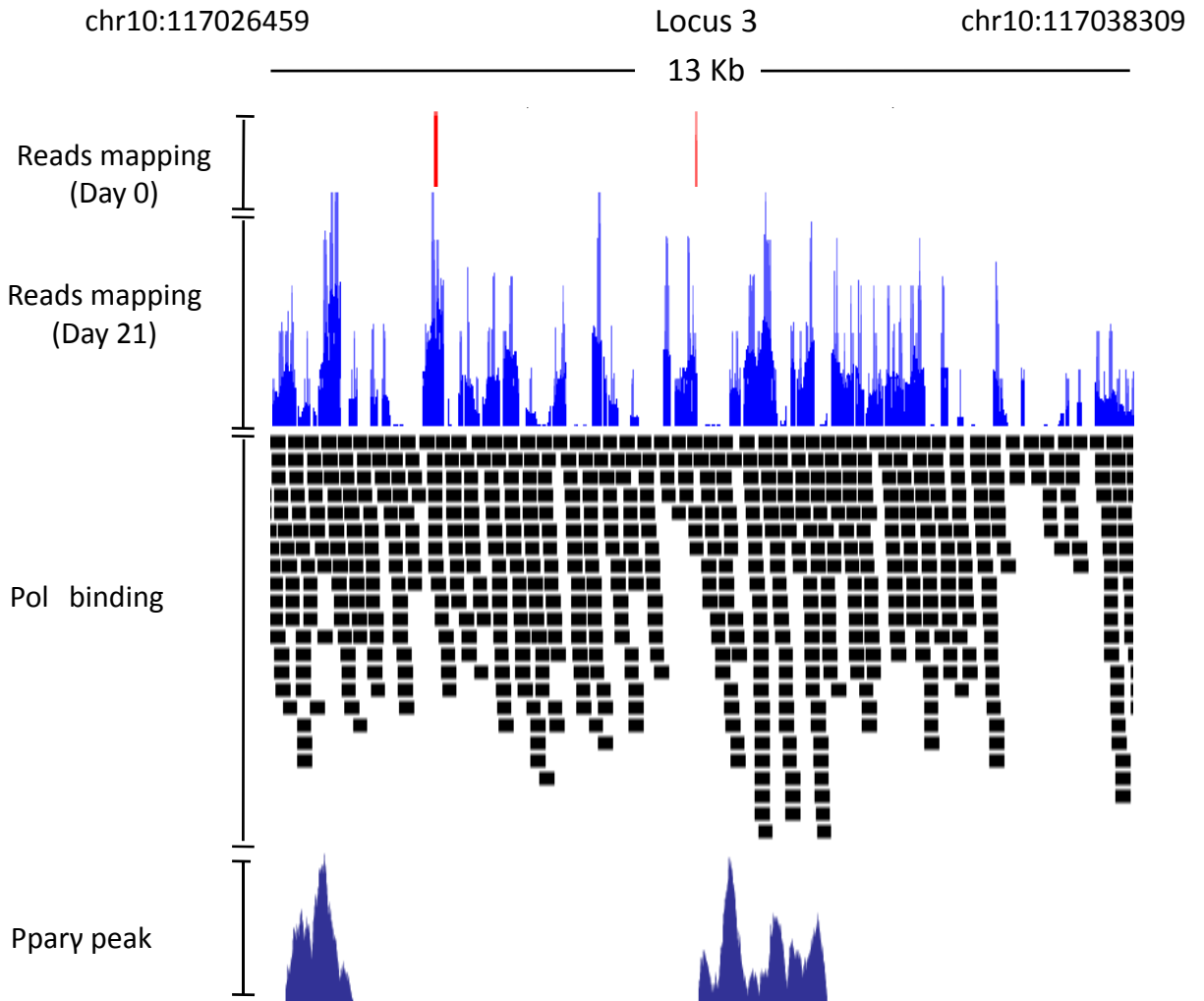
Yi_Supplementary Fig S5



Yi_Supplementary Fig S6

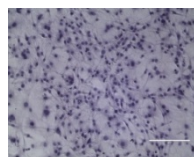


Yi_Supplementary Fig S7

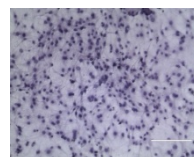


Yi_Supplementary Fig S8

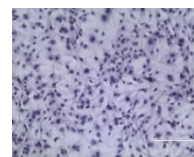
Control
Average cell number: 601



Cell number: 608

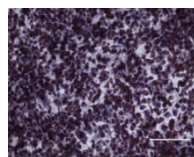


Cell number: 620

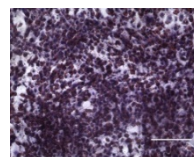


Cell number: 575

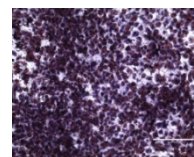
Mock
Average cell number: 728



Cell number: 720

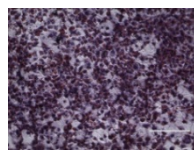


Cell number: 704

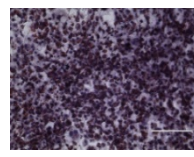


Cell number: 760

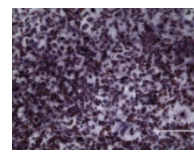
NC-siRNA
Average cell number: 802



Cell number: 812

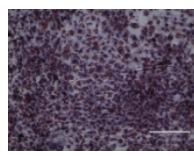


Cell number: 800

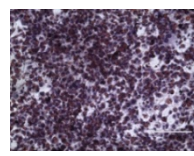


Cell number: 796

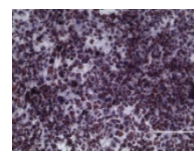
siRNA2
Average cell number: 764



Cell number: 776

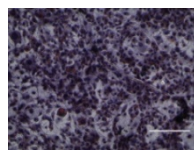


Cell number: 736

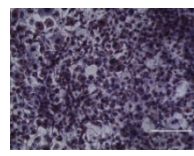


Cell number: 780

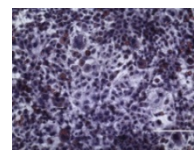
siRNA9
Average cell number: 718



Cell number: 716

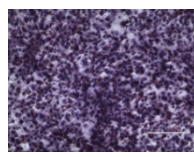


Cell number: 732

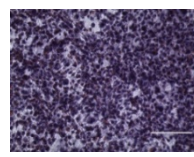


Cell number: 708

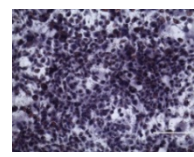
siRNA12
Average cell number: 766



Cell number: 760

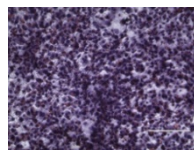


Cell number: 800

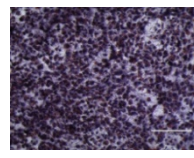


Cell number: 740

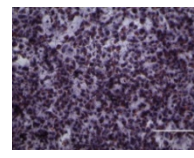
siRNA14
Average cell number: 863



Cell number: 868

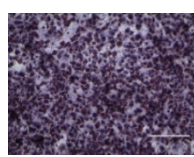


Cell number: 883

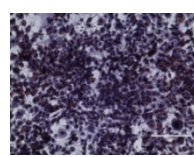


Cell number: 840

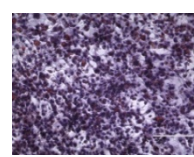
siRNA 15
Average cell number: 845



Cell number: 872

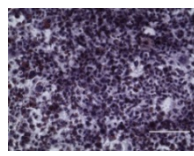


Cell number: 804

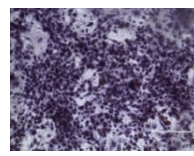


Cell number: 860

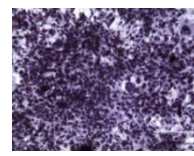
siRNA 17
Average cell number: 832



Cell number: 804



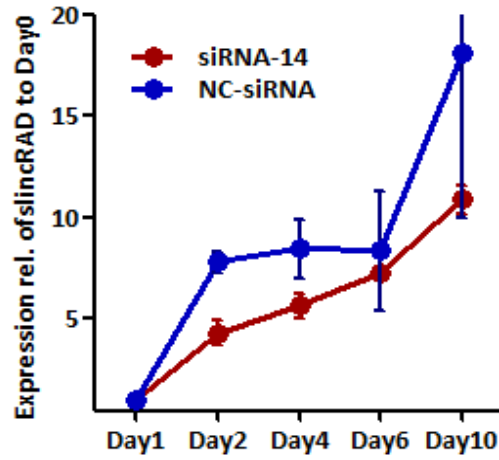
Cell number: 850



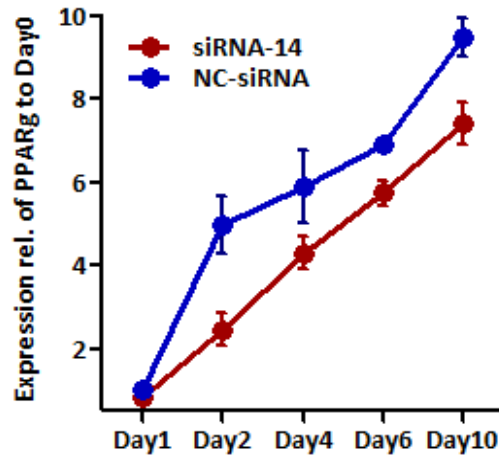
Cell number: 832

Yi_Supplementary Fig S9

A Expression change of slincRAD after MID



B Expression change of PPARG after MID



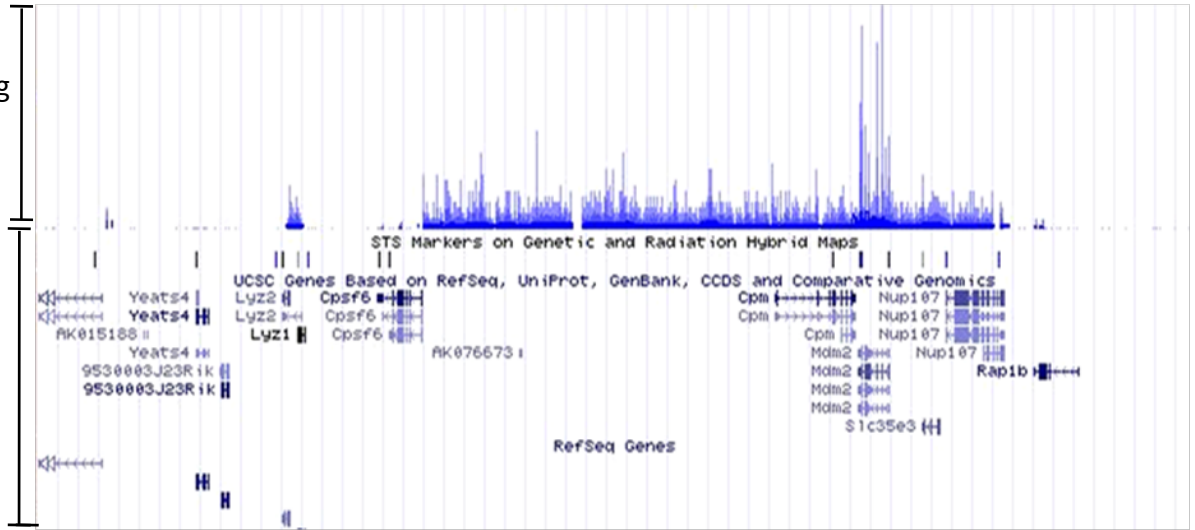
Yi_Supplementary Fig S10

chr10:116540317

823 Kb

chr10:117363510

Reads Mapping
(Day 21)

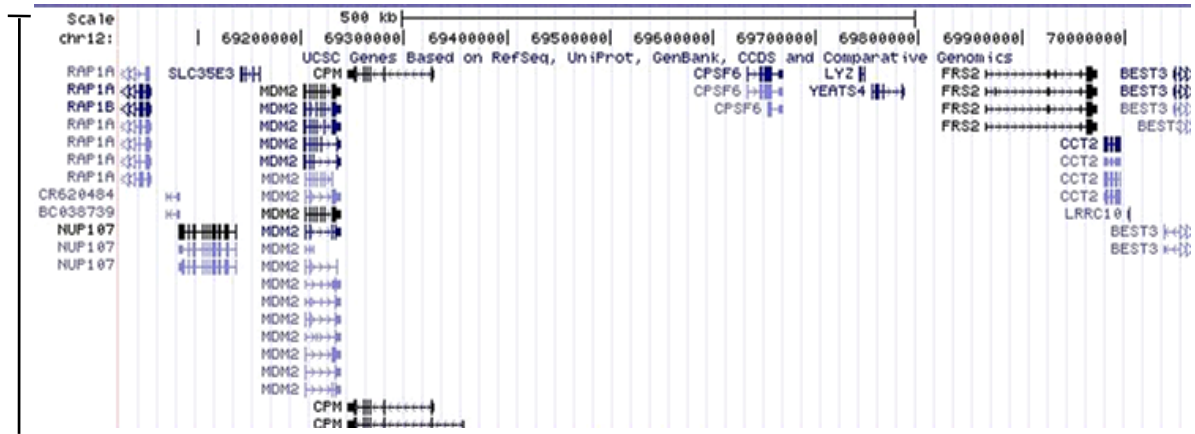


Neighbor
Genes
Flanking
slnRAD In
Mice Genome

Chr12: 69023949

1044 Kb

Chr12: 70068578



Homologs Of
slnRAD-
neighbor-
genes In
Human
Genome

	Annotation by TARs	Annotation for sincRAD	Genome localization (mm9)	expression change
1	TAR-1		chr1:4678698-4679294	ud
2	TAR-2		chr1:6906633-6907074	ud
3	TAR-3		chr1:29541311-29542767	ud
4	TAR-4		chr1:33157740-33157975	du
5	TAR-5		chr1:43944831-43945447	ud
6	TAR-6		chr1:43945599-43945956	du
7	TAR-7		chr1:44520708-44521082	du
8	TAR-8		chr1:46471321-46471641	ud
9	TAR-9		chr1:72134680-72134980	ff
10	TAR-10		chr1:72610794-72611096	uu
11	TAR-11		chr1:81793862-81794309	ud
12	TAR-12		chr1:84971840-84972797	du
13	TAR-13		chr1:84973028-84973446	du
14	TAR-14		chr1:84975483-84976431	fu
15	TAR-15		chr1:84978715-84979493	fu
16	TAR-16		chr1:84980972-84981462	fu
17	TAR-17		chr1:87350904-87351431	du
18	TAR-18		chr1:87354763-87355658	fu
19	TAR-19		chr1:87355929-87356826	fu
20	TAR-20		chr1:87357707-87358506	fu
21	TAR-21		chr1:87359587-87360541	fu
22	TAR-22		chr1:87385394-87387451	fu
23	TAR-23		chr1:87389657-87390146	fu
24	TAR-24		chr1:87391444-87391970	fu
25	TAR-25		chr1:87392368-87392855	fu
26	TAR-26		chr1:87398108-87398699	fu
27	TAR-27		chr1:87399402-87400061	fu
28	TAR-28		chr1:100673956-100674316	uu
29	TAR-29		chr1:101086264-101086647	du
30	TAR-30		chr1:107354734-107355399	fu
31	TAR-31		chr1:111730574-111731315	du
32	TAR-32		chr1:130416345-130418054	uf
33	TAR-33		chr1:135491114-135492632	d
34	TAR-34		chr1:144990109-144991181	uf
35	TAR-35		chr1:156054146-156055588	ff
36	TAR-36		chr1:158456414-158456915	du
37	TAR-37		chr1:165554251-165554811	ud
38	TAR-38		chr1:172561057-172561506	uf
39	TAR-39		chr1:180229519-180230463	uf
40	TAR-40		chr10:21755990-21756369	du
41	TAR-41		chr10:24774416-24774800	ff

42	TAR-42		chr10:25827582-25828062	uf
43	TAR-43		chr10:28749902-28750994	ud
44	TAR-44		chr10:38918273-38919077	uf
45	TAR-45		chr10:44572413-44573050	ff
46	TAR-46		chr10:45595104-45595783	ud
47	TAR-47		chr10:56216983-56218012	uu
48	TAR-48		chr10:57688112-57688832	fu
49	TAR-49		chr10:59334163-59334418	ud
50	TAR-50		chr10:64997704-64998076	ud
51	TAR-51		chr10:68787854-68788386	uf
52	TAR-52		chr10:77115642-77115948	ud
53	TAR-53		chr10:83771603-83772083	uu
54	TAR-54		chr10:95540156-95540539	du
55	TAR-55		chr10:106650313-106650828	fu
56	TAR-56		chr10:106651025-106651633	fu
57	TAR-57		chr10:106651848-106653275	fu
58	TAR-58		chr10:106653446-106654303	fu
59	TAR-59	slincRAD-A ₁	chr10:106655085-106661062	fu
60	TAR-60	slincRAD-A ₂	chr10:106661666-106663342	fu
61	TAR-61	slincRAD-A ₃	chr10:106664977-106670736	fu
62	TAR-62	slincRAD-A ₄	chr10:106670951-106671974	fu
63	TAR-63	slincRAD-A ₅	chr10:106672169-106673679	fu
64	TAR-64	slincRAD-A ₆	chr10:106673914-106674603	fu
65	TAR-65	slincRAD-A ₇	chr10:106674801-106676053	fu
66	TAR-66	slincRAD-A ₈	chr10:106676228-106678924	fu
67	TAR-67	slincRAD-A ₉	chr10:106680022-106683538	fu
68	TAR-68	slincRAD-A ₁₀	chr10:106683752-106687072	fu
69	TAR-69	slincRAD-A ₁₁	chr10:106687256-106688743	fu
70	TAR-70		chr10:106688921-106690482	fu
71	TAR-71		chr10:106692059-106693048	fu
72	TAR-72		chr10:106693302-106693954	fu
73	TAR-73		chr10:106886561-106887333	fu
74	TAR-74		chr10:115036065-115036818	ff
75	TAR-75		chr10:116711686-116712062	fu
76	TAR-76		chr10:116818297-116818767	fu
77	TAR-77		chr10:116819259-116820997	fu
78	TAR-78		chr10:116822010-116822328	fu
79	TAR-79	slincRAD-B ₁	chr10:116823211-116825934	fu
80	TAR-80	slincRAD-B ₂	chr10:116826128-116827815	fu
81	TAR-81	slincRAD-B ₃	chr10:116828032-116829384	fu
82	TAR-82	slincRAD-B ₄	chr10:116829936-116830705	fu

83	TAR-83	slincRAD-B ₅	chr10:116830907-116831831	fu
84	TAR-84	slincRAD-B ₆	chr10:116831993-116832656	fu
85	TAR-85	slincRAD-B ₇	chr10:116833517-116834147	fu
86	TAR-86	slincRAD-B ₈	chr10:116834298-116834771	fu
87	TAR-87	slincRAD-B ₉	chr10:116834953-116836510	fu
88	TAR-88	slincRAD-B ₁₀	chr10:116836674-116838720	fu
89	TAR-89	slincRAD-B ₁₁	chr10:116838888-116839971	fu
90	TAR-90	slincRAD-B ₁₂	chr10:116840168-116841203	fu
91	TAR-91	slincRAD-B ₁₃	chr10:116841385-116841951	fu
92	TAR-92	slincRAD-B ₁₄	chr10:116842104-116848433	fu
93	TAR-93	slincRAD-B ₁₅	chr10:116848646-116849682	fu
94	TAR-94	slincRAD-B ₁₆	chr10:116850352-116853553	fu
95	TAR-95	slincRAD-B ₁₇	chr10:116854128-116856605	fu
96	TAR-96	slincRAD-B ₁₈	chr10:116856785-116859083	fu
97	TAR-97	slincRAD-B ₁₉	chr10:116859385-116859984	fu
98	TAR-98	slincRAD-B ₂₀	chr10:116860183-116861843	fu
99	TAR-99	slincRAD-B ₂₁	chr10:116862043-116864259	fu
100	TAR-100	slincRAD-B ₂₂	chr10:116866583-116867167	fu
101	TAR-101	slincRAD-B ₂₃	chr10:116867345-116867741	fu
102	TAR-102	slincRAD-B ₂₄	chr10:116868332-116868602	du
103	TAR-103	slincRAD-B ₂₅	chr10:116868781-116870397	fu
104	TAR-104	slincRAD-B ₂₆	chr10:116870548-116877936	fu
105	TAR-105	slincRAD-B ₂₇	chr10:116878116-116879472	fu
106	TAR-106	slincRAD-B ₂₈	chr10:116886526-116888071	fu
107	TAR-107	slincRAD-B ₂₉	chr10:116888468-116889057	fu
108	TAR-108	slincRAD-B ₃₀	chr10:116889218-116891543	fu
109	TAR-109	slincRAD-B ₃₁	chr10:116891746-116893028	fu
110	TAR-110	slincRAD-B ₃₂	chr10:116893227-116895091	fu
111	TAR-111	slincRAD-B ₃₃	chr10:116895381-116897862	fu
112	TAR-112	slincRAD-B ₃₄	chr10:116898078-116901093	fu
113	TAR-113	slincRAD-B ₃₅	chr10:116901707-116903927	fu
114	TAR-114	slincRAD-B ₃₆	chr10:116906102-116906839	fu
115	TAR-115	slincRAD-B ₃₇	chr10:116907037-116910175	fu
116	TAR-116	slincRAD-B ₃₈	chr10:116910367-116913088	fu
117	TAR-117		chr10:116914269-116917904	fu
118	TAR-118		chr10:116918121-116919065	fu
119	TAR-119		chr10:116919225-116920710	fu
120	TAR-120		chr10:116927855-116929570	fu
121	TAR-121		chr10:116930146-116932179	fu

122	TAR-122		chr10:116932921-116934255	fu
123	TAR-123		chr10:116934411-116935914	fu
124	TAR-124		chr10:116936075-116939635	du
125	TAR-125		chr10:116939826-116940194	du
126	TAR-126		chr10:116940350-116942990	fu
127	TAR-127		chr10:116943195-116944077	fu
128	TAR-128		chr10:116944247-116951462	fu
129	TAR-129		chr10:116951770-116953028	fu
130	TAR-130		chr10:116953279-116954833	fu
131	TAR-131		chr10:116955050-116958996	fu
132	TAR-132		chr10:116959387-116960832	fu
133	TAR-133		chr10:116961002-116961809	fu
134	TAR-134		chr10:116962050-116964718	fu
135	TAR-135		chr10:116964880-116966895	fu
136	TAR-136		chr10:116967106-116967713	fu
137	TAR-137		chr10:116967954-116973166	fu
138	TAR-138		chr10:116973455-116978341	fu
139	TAR-139		chr10:116978499-116982456	fu
140	TAR-140		chr10:116982611-116986523	fu
141	TAR-141		chr10:116986714-116987678	fu
142	TAR-142		chr10:116987853-116990078	fu
143	TAR-143		chr10:116990258-116991123	fu
144	TAR-144		chr10:116991277-116992797	fu
145	TAR-145		chr10:116993128-116995822	fu
146	TAR-146		chr10:116995993-116996639	fu
147	TAR-147		chr10:116996806-116999098	fu
148	TAR-148		chr10:116999333-117001975	fu
149	TAR-149		chr10:117002167-117002490	fu
150	TAR-150		chr10:117002643-117008759	fu
151	TAR-151		chr10:117008997-117010719	fu
152	TAR-152		chr10:117011343-117011648	fu
153	TAR-153		chr10:117011852-117013982	fu
154	TAR-154		chr10:117014194-117017117	fu
155	TAR-155		chr10:117017308-117018750	fu
156	TAR-156		chr10:117018921-117021039	fu
157	TAR-157	slincRAD-C ₁	chr10:117021234-117025056	fu
158	TAR-158	slincRAD-C ₂	chr10:117036752-117037570	fu
159	TAR-159	slincRAD-C ₃	chr10:117037766-117038309	fu
160	TAR-160	slincRAD-C ₄	chr10:117038470-117038859	du
161	TAR-161		chr10:117039424-117042161	fu
162	TAR-162		chr10:117042351-117042902	fu
163	TAR-163		chr10:117043455-117050645	fu

164	TAR-164	chr10:117050865-117051801	fu
165	TAR-165	chr10:117051972-117054118	fu
166	TAR-166	chr10:117054640-117055087	fu
167	TAR-167	chr10:117055538-117059315	fu
168	TAR-168	chr10:117059477-117059835	fu
169	TAR-169	chr10:117060244-117061054	fu
170	TAR-170	chr10:117061225-117063578	fu
171	TAR-171	chr10:117063898-117065024	fu
172	TAR-172	chr10:117150285-117150766	fu
173	TAR-173	chr10:117151323-117153931	fu
174	TAR-174	chr10:117154376-117155366	fu
175	TAR-175	chr10:117155799-117157434	fu
176	TAR-176	chr10:117157841-117158312	du
177	TAR-177	chr10:117158536-117159211	fu
178	TAR-178	chr10:117159426-117162556	fu
179	TAR-179	chr10:117162812-117163426	fu
180	TAR-180	chr10:117164275-117165006	fu
181	TAR-181	chr10:117165626-117166216	fu
182	TAR-182	chr10:117166459-117167758	fu
183	TAR-183	chr10:117168078-117169096	fu
184	TAR-184	chr10:118048190-118053760	fu
185	TAR-185	chr10:118054111-118055222	fu
186	TAR-186	chr10:118055375-118056418	fu
187	TAR-187	chr10:118056623-118057517	fu
188	TAR-188	chr10:118057703-118058111	fu
189	TAR-189	chr10:118058594-118060320	fu
190	TAR-190	chr11:3000404-3000670	du
191	TAR-191	chr11:3000953-3001346	fu
192	TAR-192	chr11:3002041-3002534	fu
193	TAR-193	chr11:3004493-3004964	du
194	TAR-194	chr11:6371666-6372284	fu
195	TAR-195	chr11:20014432-20015079	fu
196	TAR-196	chr11:35524913-35525491	ud
197	TAR-197	chr11:103934093-103934435	dd
198	TAR-198	chr12:3109866-3110120	du
199	TAR-199	chr12:4593941-4594401	uf
200	TAR-200	chr12:10160131-10160510	ff
201	TAR-201	chr12:10162775-10163356	uf
202	TAR-202	chr12:17240405-17240860	uf
203	TAR-203	chr12:19058107-19058960	fu
204	TAR-204	chr12:20205594-20206333	fu
205	TAR-205	chr12:20278517-20279141	fu
206	TAR-206	chr12:23778228-23779576	fu

207	TAR-207	chr12:24103022-24104370	ff
208	TAR-208	chr12:24588007-24588267	ud
209	TAR-209	chr12:27170910-27171700	ff
210	TAR-210	chr12:31703046-31703358	ud
211	TAR-211	chr12:31703540-31703987	uf
212	TAR-212	chr12:31704216-31704752	ud
213	TAR-213	chr12:37102723-37104072	uf
214	TAR-214	chr12:37104244-37104999	fu
215	TAR-215	chr12:37542835-37543223	du
216	TAR-216	chr12:40675150-40675459	du
217	TAR-217	chr12:48913921-48914284	ud
218	TAR-218	chr12:50877078-50877789	du
219	TAR-219	chr12:52234504-52235995	fd
220	TAR-220	chr12:55723591-55724118	ud
221	TAR-221	chr12:75904893-75905492	du
222	TAR-222	chr12:81881130-81881444	ud
223	TAR-223	chr12:86781612-86781964	ud
224	TAR-224	chr12:98299636-98300002	du
225	TAR-225	chr12:101982755-101983134	uf
226	TAR-226	chr12:109952187-109952891	ff
227	TAR-227	chr12:111132604-111133290	ff
228	TAR-228	chr12:113535507-113536176	ff
229	TAR-229	chr13:3138958-3139339	ud
230	TAR-230	chr13:3298122-3299000	uf
231	TAR-231	chr13:8127326-8127801	uu
232	TAR-232	chr13:8128287-8129120	fu
233	TAR-233	chr13:13414160-13414458	du
234	TAR-234	chr13:13982658-13984526	fu
235	TAR-235	chr13:15210728-15211697	uf
236	TAR-236	chr13:23517273-23517514	ud
237	TAR-237	chr13:44409268-44409807	fu
238	TAR-238	chr13:51045753-51046295	ud
239	TAR-239	chr13:61788701-61789188	fu
240	TAR-240	chr13:64725397-64725795	fu
241	TAR-241	chr13:64804472-64804873	fu
242	TAR-242	chr13:65015487-65015847	fu
243	TAR-243	chr13:65029978-65030475	fu
244	TAR-244	chr13:65435636-65436077	ff
245	TAR-245	chr13:65442496-65442921	ff
246	TAR-246	chr13:65446654-65447185	fu
247	TAR-247	chr13:66013560-66014292	fu
248	TAR-248	chr13:66040822-66041509	fu
249	TAR-249	chr13:66052110-66052629	fu

250	TAR-250	chr13:66056364-66056871	fu
251	TAR-251	chr13:66062914-66063775	fu
252	TAR-252	chr13:66096816-66097518	fu
253	TAR-253	chr13:66105956-66107231	fu
254	TAR-254	chr13:66122132-66122901	ff
255	TAR-255	chr13:66128648-66129779	ff
256	TAR-256	chr13:66130643-66131418	fu
257	TAR-257	chr13:66136493-66137558	fu
258	TAR-258	chr13:66143715-66144227	fu
259	TAR-259	chr13:66146756-66147371	fu
260	TAR-260	chr13:66147566-66147913	fu
261	TAR-261	chr13:66168822-66169469	fu
262	TAR-262	chr13:66173781-66174483	ff
263	TAR-263	chr13:66175535-66175867	fu
264	TAR-264	chr13:66176931-66177453	fu
265	TAR-265	chr13:66203334-66204145	fu
266	TAR-266	chr13:66209894-66211022	fu
267	TAR-267	chr13:66225542-66226054	fu
268	TAR-268	chr13:66226744-66227234	fu
269	TAR-269	chr13:66228627-66229242	fu
270	TAR-270	chr13:66229437-66229784	fu
271	TAR-271	chr13:66246371-66246709	du
272	TAR-272	chr13:66268126-66269007	fu
273	TAR-273	chr13:66306287-66307442	fu
274	TAR-274	chr13:66322168-66323248	ff
275	TAR-275	chr13:66324363-66325144	ff
276	TAR-276	chr13:66855675-66856422	fu
277	TAR-277	chr13:66862813-66863462	fu
278	TAR-278	chr13:66895904-66896666	fu
279	TAR-279	chr13:66898273-66899251	fu
280	TAR-280	chr13:66901088-66901887	fu
281	TAR-281	chr13:66902119-66902751	fu
282	TAR-282	chr13:66946141-66946873	ff
283	TAR-283	chr13:66960525-66960890	fu
284	TAR-284	chr13:74665910-74668238	fu
285	TAR-285	chr13:83972478-83973111	fu
286	TAR-286	chr13:85266163-85267090	du
287	TAR-287	chr13:91400742-91401052	fu
288	TAR-288	chr13:91401637-91402321	du
289	TAR-289	chr13:99383453-99384054	ud
290	TAR-290	chr13:101679251-101679849	uf
291	TAR-291	chr13:109100379-109100862	uf
292	TAR-292	chr13:113220755-113222128	ff

293	TAR-293	chr13:116318732-116319861	uf
294	TAR-294	chr14:3361031-3361512	fu
295	TAR-295	chr14:7143457-7144793	fu
296	TAR-296	chr14:15280672-15281409	fu
297	TAR-297	chr14:16781803-16782253	fu
298	TAR-298	chr14:17786280-17786620	fd
299	TAR-299	chr14:20348235-20348845	fu
300	TAR-300	chr14:20428237-20429038	fu
301	TAR-301	chr14:27385350-27386063	fu
302	TAR-302	chr14:32929907-32930327	uf
303	TAR-303	chr14:33323653-33324117	ff
304	TAR-304	chr14:42159287-42159891	du
305	TAR-305	chr14:42180959-42181374	fd
306	TAR-306	chr14:42247667-42248596	uf
307	TAR-307	chr14:42405311-42405940	uf
308	TAR-308	chr14:43513619-43514248	uf
309	TAR-309	chr14:44842750-44843955	uu
310	TAR-310	chr14:52988708-52989375	uu
311	TAR-311	chr14:57484208-57484788	uu
312	TAR-312	chr14:61943389-61943671	uu
313	TAR-313	chr14:61944164-61944460	uu
314	TAR-314	chr14:102381719-102381985	ud
315	TAR-315	chr15:5280652-5281346	ff
316	TAR-316	chr15:11540697-11541473	ff
317	TAR-317	chr15:19385425-19385952	dd
318	TAR-318	chr15:23419639-23420227	ud
319	TAR-319	chr15:25769725-25770396	ud
320	TAR-320	chr15:38892989-38893736	ud
321	TAR-321	chr15:41753589-41755047	uu
322	TAR-322	chr15:51920875-51921528	uf
323	TAR-323	chr15:60299734-60300413	ud
324	TAR-324	chr15:60300564-60301280	uf
325	TAR-325	chr15:69894480-69894877	ud
326	TAR-326	chr15:74916421-74917423	du
327	TAR-327	chr15:78651377-78651920	fu
328	TAR-328	chr15:78652148-78652872	uf
329	TAR-329	chr15:79613361-79613622	fu
330	TAR-330	chr15:89596310-89598744	uu
331	TAR-331	chr15:96954688-96955023	fu
332	TAR-332	chr15:97448175-97448375	df
333	TAR-333	chr15:103418171-103418828	uu
334	TAR-334	chr15:103448331-103450427	uu
335	TAR-335	chr16:14957861-14958392	ud

336	TAR-336	chr16:18681427-18681952	ud
337	TAR-337	chr16:20129598-20130142	ff
338	TAR-338	chr16:23050422-23050795	ff
339	TAR-339	chr16:30139590-30139847	uf
340	TAR-340	chr16:37696814-37697438	uf
341	TAR-341	chr16:56456824-56457650	ff
342	TAR-342	chr16:64917109-64918701	ud
343	TAR-343	chr16:84513770-84514165	ud
344	TAR-344	chr16:85644524-85645317	ud
345	TAR-345	chr16:90345720-90346378	ff
346	TAR-346	chr17:4880592-4881295	uf
347	TAR-347	chr17:16457257-16457707	fu
348	TAR-348	chr17:21611784-21612212	ud
349	TAR-349	chr17:31780812-31781040	ff
350	TAR-350	chr17:31781199-31781737	ff
351	TAR-351	chr17:32989166-32989844	uf
352	TAR-352	chr17:35583013-35583806	du
353	TAR-353	chr17:35585164-35586088	ff
354	TAR-354	chr17:36368203-36368536	dd
355	TAR-355	chr17:39773608-39773993	uu
356	TAR-356	chr17:47547224-47548602	uf
357	TAR-357	chr17:55282518-55282819	uf
358	TAR-358	chr17:57267336-57267688	ff
359	TAR-359	chr17:63920250-63920579	fu
360	TAR-360	chr17:74728790-74729127	ff
361	TAR-361	chr17:80332850-80333797	ud
362	TAR-362	chr17:82809272-82810179	ud
363	TAR-363	chr17:85897966-85898329	ud
364	TAR-364	chr18:3004815-3005408	fu
365	TAR-365	chr18:6665717-6666583	ff
366	TAR-366	chr18:6667405-6667706	uu
367	TAR-367	chr18:8051266-8052077	uf
368	TAR-368	chr18:8415158-8416018	ud
369	TAR-369	chr18:8416397-8417188	ud
370	TAR-370	chr18:20707238-20707623	ud
371	TAR-371	chr18:30579368-30579736	uf
372	TAR-372	chr18:38519710-38520235	ud
373	TAR-373	chr18:45229469-45229737	fu
374	TAR-374	chr18:45230011-45230975	fu
375	TAR-375	chr18:47574156-47574856	ud
376	TAR-376	chr18:51162765-51163379	fd
377	TAR-377	chr18:59933744-59934065	ud
378	TAR-378	chr18:63703119-63703969	ud

379	TAR-379	chr18:63704139-63704789	uf
380	TAR-380	chr18:64240466-64241165	ud
381	TAR-381	chr18:64448005-64448377	ud
382	TAR-382	chr18:70806908-70807130	du
383	TAR-383	chr18:70807298-70807727	uu
384	TAR-384	chr18:80155687-80156237	ud
385	TAR-385	chr18:87643437-87644076	fd
386	TAR-386	chr19:5824724-5826861	ud
387	TAR-387	chr19:5828390-5829124	ud
388	TAR-388	chr19:5830143-5831088	ud
389	TAR-389	chr19:5835257-5836357	ud
390	TAR-390	chr19:11512601-11513366	fu
391	TAR-391	chr19:12348023-12348753	ud
392	TAR-392	chr19:15268039-15268686	ff
393	TAR-393	chr19:28108007-28108612	ff
394	TAR-394	chr19:33152433-33153049	ff
395	TAR-395	chr19:42234125-42234629	ud
396	TAR-396	chr19:53598257-53599429	ff
397	TAR-397	chr19:59162138-59162395	ud
398	TAR-398	chr19:59162552-59163447	ff
399	TAR-399	chr19:61242890-61243746	uu
400	TAR-400	chr19:61243902-61244577	fu
401	TAR-401	chr2:105014831-105015306	fu
402	TAR-402	chr2:168235882-168236474	ff
403	TAR-403	chr2:169025146-169025661	ff
404	TAR-404	chr2:171393654-171394050	fu
405	TAR-405	chr2:171640384-171641049	ff
406	TAR-406	chr2:172029957-172030836	ff
407	TAR-407	chr2:174795358-174796125	fu
408	TAR-408	chr2:174798687-174799644	fu
409	TAR-409	chr2:174823251-174824034	fu
410	TAR-410	chr2:174830207-174831031	fu
411	TAR-411	chr2:174833988-174834669	fu
412	TAR-412	chr2:174902143-174902651	fu
413	TAR-413	chr2:174907881-174908494	fu
414	TAR-414	chr2:174908668-174909227	fu
415	TAR-415	chr2:174909563-174910306	fu
416	TAR-416	chr2:174918712-174919764	ff
417	TAR-417	chr2:174938597-174939293	fu
418	TAR-418	chr2:174939465-174940448	fu
419	TAR-419	chr2:174945293-174945767	fu
420	TAR-420	chr2:175313978-175315120	fu
421	TAR-421	chr2:175387637-175388497	fu

422	TAR-422	chr2:175397965-175398698	fu
423	TAR-423	chr2:175399034-175399594	fu
424	TAR-424	chr2:175399760-175400317	fu
425	TAR-425	chr2:175401540-175402516	fu
426	TAR-426	chr2:175405607-175406115	fu
427	TAR-427	chr2:175471878-175472718	fu
428	TAR-428	chr2:175486957-175487699	fu
429	TAR-429	chr2:175568145-175569138	fu
430	TAR-430	chr2:175569310-175569955	fu
431	TAR-431	chr2:175574475-175575221	du
432	TAR-432	chr2:175589280-175590767	fu
433	TAR-433	chr2:177664216-177665196	fu
434	TAR-434	chr2:177696100-177696413	fu
435	TAR-435	chr2:177697651-177698406	fu
436	TAR-436	chr2:177817356-177817739	fu
437	TAR-437	chr3:5750817-5751270	ud
438	TAR-438	chr3:39116489-39117005	ff
439	TAR-439	chr3:41780071-41780511	fu
440	TAR-440	chr3:41781419-41781980	uu
441	TAR-441	chr3:47034546-47034949	uu
442	TAR-442	chr3:49185426-49185735	ud
443	TAR-443	chr3:49185920-49186606	ud
444	TAR-444	chr3:53496398-53496827	ud
445	TAR-445	chr3:56379396-56379670	fu
446	TAR-446	chr3:57521691-57522218	uu
447	TAR-447	chr3:59235660-59237027	uu
448	TAR-448	chr3:59571009-59571432	uu
449	TAR-449	chr3:59571597-59572735	du
450	TAR-450	chr3:62727688-62728091	uf
451	TAR-451	chr3:63709450-63710195	uf
452	TAR-452	chr3:69767660-69768465	du
453	TAR-453	chr3:107671016-107671588	ud
454	TAR-454	chr3:112105372-112105944	ff
455	TAR-455	chr3:113431654-113432082	fu
456	TAR-456	chr3:119412432-119412743	uf
457	TAR-457	chr3:124088444-124089551	fu
458	TAR-458	chr3:129164884-129165150	ud
459	TAR-459	chr3:136611417-136611883	uf
460	TAR-460	chr3:157480198-157480677	uu
461	TAR-461	chr4:3016867-3018322	fu
462	TAR-462	chr4:8321277-8321645	fu
463	TAR-463	chr4:21953580-21954416	ff
464	TAR-464	chr4:60068336-60068830	ff

465	TAR-465	chr4:60069713-60071108	fu
466	TAR-466	chr4:61420741-61421311	fu
467	TAR-467	chr4:61422300-61423043	fu
468	TAR-468	chr4:61423829-61424589	fu
469	TAR-469	chr4:93501186-93501842	ff
470	TAR-470	chr4:109854032-109854693	ff
471	TAR-471	chr4:118219690-118221337	ff
472	TAR-472	chr4:148810432-148810943	ud
473	TAR-473	chr5:3875450-3876237	ff
474	TAR-474	chr5:10559025-10559573	uu
475	TAR-475	chr5:14900063-14900851	fu
476	TAR-476	chr5:14902203-14903037	fu
477	TAR-477	chr5:14904107-14904445	fu
478	TAR-478	chr5:14904608-14906823	fu
479	TAR-479	chr5:14907479-14908050	fu
480	TAR-480	chr5:14917524-14917991	fu
481	TAR-481	chr5:14918943-14919758	fu
482	TAR-482	chr5:16973470-16973763	fu
483	TAR-483	chr5:16974085-16975251	fu
484	TAR-484	chr5:16975738-16976235	fu
485	TAR-485	chr5:26335820-26336769	fu
486	TAR-486	chr5:26341498-26342303	fu
487	TAR-487	chr5:26351239-26351592	fu
488	TAR-488	chr5:26367481-26368169	fu
489	TAR-489	chr5:26368437-26369155	fu
490	TAR-490	chr5:26418043-26418494	fu
491	TAR-491	chr5:26433448-26433992	fu
492	TAR-492	chr5:30120831-30121745	fu
493	TAR-493	chr5:41733346-41734217	ud
494	TAR-494	chr5:52972605-52972926	ud
495	TAR-495	chr5:60433954-60434313	uu
496	TAR-496	chr5:82765875-82766717	fu
497	TAR-497	chr5:87426166-87427431	ud
498	TAR-498	chr5:94336731-94337354	ff
499	TAR-499	chr5:94946525-94946901	fu
500	TAR-500	chr5:94947741-94948558	fu
501	TAR-501	chr5:95024398-95025021	ff
502	TAR-502	chr5:96002548-96003171	ff
503	TAR-503	chr5:96403215-96404004	ud
504	TAR-504	chr5:106645236-106645742	uu
505	TAR-505	chr5:115342497-115343288	ff
506	TAR-506	chr5:134315126-134318477	ud
507	TAR-507	chr5:136102018-136103104	fu

508	TAR-508	chr5:140127812-140129234	ff
509	TAR-509	chr5:146976341-146976880	ff
510	TAR-510	chr5:147293518-147293914	du
511	TAR-511	chr5:147309093-147309778	fu
512	TAR-512	chr5:147320141-147321504	fu
513	TAR-513	chr5:147386480-147387271	ud
514	TAR-514	chr6:9839894-9840167	du
515	TAR-515	chr6:19268425-19269101	fu
516	TAR-516	chr6:37636685-37637000	uf
517	TAR-517	chr6:47602300-47603431	fu
518	TAR-518	chr6:47705158-47706056	fu
519	TAR-519	chr6:47706664-47707318	du
520	TAR-520	chr6:47709213-47710375	ff
521	TAR-521	chr6:47713135-47713551	ud
522	TAR-522	chr6:47714785-47715939	fu
523	TAR-523	chr6:47719372-47720293	ff
524	TAR-524	chr6:47721871-47722262	ud
525	TAR-525	chr6:47725658-47726284	fu
526	TAR-526	chr6:66695976-66696319	uu
527	TAR-527	chr6:66825275-66825749	uf
528	TAR-528	chr6:71591428-71592123	uu
529	TAR-529	chr6:76234429-76234897	fu
530	TAR-530	chr6:83550759-83551525	uf
531	TAR-531	chr6:99790019-99790257	ud
532	TAR-532	chr6:102886508-102887546	fu
533	TAR-533	chr6:126384540-126385667	ff
534	TAR-534	chr6:127297409-127298456	ff
535	TAR-535	chr6:133710948-133712366	ud
536	TAR-536	chr6:140183288-140183735	fu
537	TAR-537	chr6:141086674-141087060	ud
538	TAR-538	chr6:145797555-145798373	ff
539	TAR-539	chr7:3181127-3181932	ud
540	TAR-540	chr7:12430493-12431029	ff
541	TAR-541	chr7:15352804-15353830	ff
542	TAR-542	chr7:15354081-15356074	ff
543	TAR-543	chr7:15356310-15358030	ff
544	TAR-544	chr7:15381473-15382242	fu
545	TAR-545	chr7:15454802-15455458	fu
546	TAR-546	chr7:15490585-15491161	fu
547	TAR-547	chr7:15491797-15492498	ff
548	TAR-548	chr7:15492753-15493235	fu
549	TAR-549	chr7:15592649-15593182	ff
550	TAR-550	chr7:15594287-15595423	ff

551	TAR-551	chr7:15610048-15610801	ff
552	TAR-552	chr7:15636672-15637035	fu
553	TAR-553	chr7:15714312-15715244	ff
554	TAR-554	chr7:15715507-15717479	ff
555	TAR-555	chr7:15717751-15718205	ff
556	TAR-556	chr7:15718384-15719970	ff
557	TAR-557	chr7:15723210-15723888	fu
558	TAR-558	chr7:15724046-15726645	ff
559	TAR-559	chr7:15726857-15727710	ff
560	TAR-560	chr7:15727896-15728887	ff
561	TAR-561	chr7:15729123-15730225	ff
562	TAR-562	chr7:15734582-15735112	fu
563	TAR-563	chr7:15735367-15737091	ff
564	TAR-564	chr7:15737263-15738013	ff
565	TAR-565	chr7:15738225-15739572	ff
566	TAR-566	chr7:15739757-15740255	ff
567	TAR-567	chr7:15740491-15742846	ff
568	TAR-568	chr7:15744472-15746513	ff
569	TAR-569	chr7:15746698-15749343	ff
570	TAR-570	chr7:15749555-15751584	ff
571	TAR-571	chr7:15751820-15752986	ff
572	TAR-572	chr7:15753207-15754054	ff
573	TAR-573	chr7:15755545-15757586	ff
574	TAR-574	chr7:15757779-15758790	fu
575	TAR-575	chr7:15759086-15760424	ff
576	TAR-576	chr7:15760636-15761983	ff
577	TAR-577	chr7:15762168-15762666	ff
578	TAR-578	chr7:15762902-15765392	ff
579	TAR-579	chr7:15766881-15768894	ff
580	TAR-580	chr7:15769119-15771765	ff
581	TAR-581	chr7:15771977-15773971	ff
582	TAR-582	chr7:15774243-15776734	ff
583	TAR-583	chr7:15778223-15780266	ff
584	TAR-584	chr7:15780795-15783048	ff
585	TAR-585	chr7:15783285-15784629	ff
586	TAR-586	chr7:15784814-15785312	ff
587	TAR-587	chr7:15785548-15788038	ff
588	TAR-588	chr7:15789527-15794379	ff
589	TAR-589	chr7:15794621-15796651	ff
590	TAR-590	chr7:15796887-15797367	fu
591	TAR-591	chr7:15797524-15799378	ff
592	TAR-592	chr7:15800867-15805739	ff
593	TAR-593	chr7:15805951-15807981	ff

594	TAR-594	chr7:15808217-15810378	ff
595	TAR-595	chr7:15812197-15814580	ff
596	TAR-596	chr7:15814760-15817043	ff
597	TAR-597	chr7:15817255-15819285	ff
598	TAR-598	chr7:15819521-15820772	ff
599	TAR-599	chr7:15820976-15822011	ff
600	TAR-600	chr7:15823500-15828371	ff
601	TAR-601	chr7:15828583-15829929	ff
602	TAR-602	chr7:15830114-15830626	ff
603	TAR-603	chr7:15830862-15833352	ff
604	TAR-604	chr7:15834841-15839710	ff
605	TAR-605	chr7:15839922-15841952	ff
606	TAR-606	chr7:15842188-15844679	ff
607	TAR-607	chr7:15846168-15851041	ff
608	TAR-608	chr7:15851253-15853283	ff
609	TAR-609	chr7:15853519-15856009	ff
610	TAR-610	chr7:15857706-15858699	fu
611	TAR-611	chr7:15873799-15874541	ud
612	TAR-612	chr7:16274845-16275416	ff
613	TAR-613	chr7:16276368-16278743	ff
614	TAR-614	chr7:17304448-17305252	uf
615	TAR-615	chr7:17724222-17724675	ud
616	TAR-616	chr7:23559264-23559565	fu
617	TAR-617	chr7:29166522-29166973	ud
618	TAR-618	chr7:39334380-39334899	fu
619	TAR-619	chr7:46454890-46455663	fu
620	TAR-620	chr7:46457690-46458537	fu
621	TAR-621	chr7:46460572-46461204	fu
622	TAR-622	chr7:46591437-46592007	ff
623	TAR-623	chr7:46593496-46594015	fu
624	TAR-624	chr7:46597166-46597742	du
625	TAR-625	chr7:48446466-48447018	du
626	TAR-626	chr7:58195432-58195889	df
627	TAR-627	chr7:58201601-58202280	fu
628	TAR-628	chr7:58203476-58204638	ff
629	TAR-629	chr7:58204959-58207602	ff
630	TAR-630	chr7:58210353-58211031	ff
631	TAR-631	chr7:58212223-58213385	ff
632	TAR-632	chr7:58213706-58216347	ff
633	TAR-633	chr7:58219099-58219778	ff
634	TAR-634	chr7:58220978-58222140	ff
635	TAR-635	chr7:58222461-58225100	ff
636	TAR-636	chr7:58227852-58228531	ff

637	TAR-637	chr7:58229729-58230891	ff
638	TAR-638	chr7:58231212-58233854	ff
639	TAR-639	chr7:58236606-58237285	ff
640	TAR-640	chr7:58238481-58239643	ff
641	TAR-641	chr7:58239964-58242360	ff
642	TAR-642	chr7:58582884-58583852	ff
643	TAR-643	chr7:86934994-86935637	fu
644	TAR-644	chr7:112400407-112400634	fu
645	TAR-645	chr7:112400896-112401356	fu
646	TAR-646	chr7:123967968-123969344	ud
647	TAR-647	chr7:124444320-124444892	ff
648	TAR-648	chr7:132691038-132692066	ff
649	TAR-649	chr7:135156457-135156739	fu
650	TAR-650	chr7:135185758-135186368	fd
651	TAR-651	chr7:144002525-144002941	fd
652	TAR-652	chr7:144003181-144003819	dd
653	TAR-653	chr7:148363795-148364405	ud
654	TAR-654	chr8:4039907-4040351	du
655	TAR-655	chr8:8744925-8745150	fu
656	TAR-656	chr8:11683442-11684243	uu
657	TAR-657	chr8:15678178-15678566	fu
658	TAR-658	chr8:19699509-19700284	fu
659	TAR-659	chr8:19706330-19706774	fu
660	TAR-660	chr8:19709690-19710237	fu
661	TAR-661	chr8:19710836-19711822	fu
662	TAR-662	chr8:19712500-19712936	fu
663	TAR-663	chr8:19713536-19714588	fu
664	TAR-664	chr8:19719055-19720168	fu
665	TAR-665	chr8:19723032-19723729	fu
666	TAR-666	chr8:19725674-19726090	fu
667	TAR-667	chr8:19755099-19756999	fu
668	TAR-668	chr8:19757189-19757698	fu
669	TAR-669	chr8:19757915-19758992	fu
670	TAR-670	chr8:19759190-19760598	fu
671	TAR-671	chr8:19761622-19762672	fu
672	TAR-672	chr8:19775445-19776546	fu
673	TAR-673	chr8:19776822-19777791	fu
674	TAR-674	chr8:19800934-19801615	fu
675	TAR-675	chr8:19801849-19802782	fu
676	TAR-676	chr8:19854073-19854590	fu
677	TAR-677	chr8:20022233-20023047	fu
678	TAR-678	chr8:20023299-20024606	fu
679	TAR-679	chr8:20027423-20028437	fu

680	TAR-680	chr8:20028619-20029768	fu
681	TAR-681	chr8:30396834-30397368	ff
682	TAR-682	chr8:56196989-56198684	fu
683	TAR-683	chr8:56198976-56209035	fu
684	TAR-684	chr8:57975252-57975751	du
685	TAR-685	chr8:57995075-57995655	ff
686	TAR-686	chr8:57996321-57997796	fu
687	TAR-687	chr8:57998443-57999800	fu
688	TAR-688	chr8:71943752-71944960	fu
689	TAR-689	chr8:71945617-71946360	fu
690	TAR-690	chr8:71947905-71948929	fu
691	TAR-691	chr8:71957860-71958130	fu
692	TAR-692	chr8:71964198-71964658	fu
693	TAR-693	chr8:71969445-71970439	fu
694	TAR-694	chr8:71973207-71973596	fu
695	TAR-695	chr8:71973911-71974879	fu
696	TAR-696	chr8:71997280-71999545	fu
697	TAR-697	chr8:72000424-72000821	fu
698	TAR-698	chr8:72001397-72002168	fu
699	TAR-699	chr8:72004431-72005612	fu
700	TAR-700	chr8:72020127-72020397	fu
701	TAR-701	chr8:72032882-72033427	fu
702	TAR-702	chr8:72033628-72034076	fu
703	TAR-703	chr8:72038806-72039614	ff
704	TAR-704	chr8:72074365-72075054	fu
705	TAR-705	chr8:72085268-72085966	fu
706	TAR-706	chr8:72086118-72086400	uu
707	TAR-707	chr8:72086600-72088477	uu
708	TAR-708	chr8:72090687-72091142	fu
709	TAR-709	chr8:72094389-72094893	ud
710	TAR-710	chr8:72098472-72099335	fu
711	TAR-711	chr8:72099634-72100121	uf
712	TAR-712	chr8:72107618-72108246	du
713	TAR-713	chr8:72534343-72534934	ud
714	TAR-714	chr8:73664104-73664362	fu
715	TAR-715	chr8:73693470-73693991	fu
716	TAR-716	chr8:74349903-74350436	fu
717	TAR-717	chr8:74352166-74352620	fu
718	TAR-718	chr8:74552613-74553271	fu
719	TAR-719	chr8:74559414-74559849	uf
720	TAR-720	chr8:74807652-74808051	ud
721	TAR-721	chr8:81010030-81010332	ud
722	TAR-722	chr8:86725640-86726567	ud

723	TAR-723	chr8:86726749-86727392	fd
724	TAR-724	chr8:100748176-100748698	fu
725	TAR-725	chr8:109786749-109787175	ud
726	TAR-726	chr8:113833711-113834025	fu
727	TAR-727	chr8:119025618-119026362	fu
728	TAR-728	chr8:129118829-129119679	ud
729	TAR-729	chr9:4978320-4979305	uf
730	TAR-730	chr9:7723082-7723451	fu
731	TAR-731	chr9:7723658-7724672	fu
732	TAR-732	chr9:14131776-14132171	uf
733	TAR-733	chr9:17537500-17538631	uf
734	TAR-734	chr9:27215725-27216125	du
735	TAR-735	chr9:35112795-35113179	du
736	TAR-736	chr9:35858379-35858799	du
737	TAR-737	chr9:38881746-38882294	ud
738	TAR-738	chr9:38883028-38883427	fd
739	TAR-739	chr9:51465178-51465549	du
740	TAR-740	chr9:54672353-54673097	ud
741	TAR-741	chr9:55366892-55367223	fu
742	TAR-742	chr9:63746112-63747101	uu
743	TAR-743	chr9:96805961-96806691	uf
744	TAR-744	chr9:100119168-100120138	ff
745	TAR-745	chr9:119072181-119073207	uu
746	TAR-746	chrX:3000066-3000929	ff
747	TAR-747	chrX:3040722-3041599	ff
748	TAR-748	chrX:3051480-3052208	fu
749	TAR-749	chrX:3053287-3054027	fu
750	TAR-750	chrX:3055051-3055896	ff
751	TAR-751	chrX:3058205-3061499	ff
752	TAR-752	chrX:3061741-3062126	fu
753	TAR-753	chrX:3086145-3087164	fu
754	TAR-754	chrX:3101382-3101808	fu
755	TAR-755	chrX:3117066-3117659	fu
756	TAR-756	chrX:3123135-3123553	fu
757	TAR-757	chrX:3132275-3132820	fu
758	TAR-758	chrX:3135329-3135918	fu
759	TAR-759	chrX:3149920-3150521	ff
760	TAR-760	chrX:3152793-3153510	ff
761	TAR-761	chrX:3156308-3157039	ff
762	TAR-762	chrX:3185151-3186215	ff
763	TAR-763	chrX:3190343-3190850	du
764	TAR-764	chrX:3197800-3198528	ff
765	TAR-765	chrX:3206741-3207350	fu

766	TAR-766	chrX:3209161-3209872	fu
767	TAR-767	chrX:3210088-3211650	fu
768	TAR-768	chrX:3211861-3214457	fu
769	TAR-769	chrX:3215276-3219896	fu
770	TAR-770	chrX:3220073-3221456	fu
771	TAR-771	chrX:3221653-3223731	ff
772	TAR-772	chrX:3226216-3227163	ff
773	TAR-773	chrX:3230772-3232440	ff
774	TAR-774	chrX:3238746-3239172	fu
775	TAR-775	chrX:3239547-3240157	ff
776	TAR-776	chrX:3294601-3295430	ff
777	TAR-777	chrX:3297640-3297992	fu
778	TAR-778	chrX:3300031-3300815	ff
779	TAR-779	chrX:3302797-3303523	ff
780	TAR-780	chrX:3307316-3307872	ff
781	TAR-781	chrX:3368087-3368740	ff
782	TAR-782	chrX:3371244-3371732	ff
783	TAR-783	chrX:3375493-3376246	ff
784	TAR-784	chrX:3378022-3379020	ff
785	TAR-785	chrX:3382502-3382948	fu
786	TAR-786	chrX:3383545-3384098	ff
787	TAR-787	chrX:3392294-3392895	ff
788	TAR-788	chrX:3393731-3394698	ff
789	TAR-789	chrX:3394987-3396255	ff
790	TAR-790	chrX:3396740-3397090	ff
791	TAR-791	chrX:3397373-3397779	fu
792	TAR-792	chrX:3424991-3426699	ff
793	TAR-793	chrX:3433089-3433673	ff
794	TAR-794	chrX:3433850-3434509	ff
795	TAR-795	chrX:3436592-3437157	ff
796	TAR-796	chrX:3437378-3438096	ff
797	TAR-797	chrX:3439155-3439817	ff
798	TAR-798	chrX:3440000-3440867	ff
799	TAR-799	chrX:3441118-3442412	ff
800	TAR-800	chrX:3444579-3445505	ff
801	TAR-801	chrX:3447496-3448054	ff
802	TAR-802	chrX:3452458-3453172	ff
803	TAR-803	chrX:3453389-3454208	ff
804	TAR-804	chrX:3458437-3459040	ff
805	TAR-805	chrX:3459238-3459848	ff
806	TAR-806	chrX:3506654-3507210	ff
807	TAR-807	chrX:3510973-3511726	ff
808	TAR-808	chrX:3513508-3514506	ff

809	TAR-809	chrX:3517982-3518288	fu
810	TAR-810	chrX:3527777-3528377	ff
811	TAR-811	chrX:3529212-3530180	ff
812	TAR-812	chrX:3532857-3533263	fu
813	TAR-813	chrX:3549455-3549918	fu
814	TAR-814	chrX:3553105-3553725	fu
815	TAR-815	chrX:3558376-3559239	ff
816	TAR-816	chrX:3568244-3568733	fu
817	TAR-817	chrX:3569452-3570460	ff
818	TAR-818	chrX:3578447-3579048	ff
819	TAR-819	chrX:3583773-3584220	fu
820	TAR-820	chrX:3635294-3635854	ff
821	TAR-821	chrX:3638730-3639375	fu
822	TAR-822	chrX:3640939-3641819	ff
823	TAR-823	chrX:3642525-3644229	ff
824	TAR-824	chrX:3645294-3645871	ff
825	TAR-825	chrX:3646240-3646704	ff
826	TAR-826	chrX:3649006-3650355	ff
827	TAR-827	chrX:3656608-3657314	ff
828	TAR-828	chrX:3662555-3662869	fu
829	TAR-829	chrX:3663355-3663965	ff
830	TAR-830	chrX:3672573-3673441	ff
831	TAR-831	chrX:3681305-3681564	fu
832	TAR-832	chrX:3681847-3682197	df
833	TAR-833	chrX:3683058-3683950	ff
834	TAR-834	chrX:3684324-3685206	ff
835	TAR-835	chrX:3686041-3686640	ff
836	TAR-836	chrX:3688383-3689012	ff
837	TAR-837	chrX:3694836-3695389	fu
838	TAR-838	chrX:3699910-3700908	ff
839	TAR-839	chrX:3702689-3703442	ff
840	TAR-840	chrX:3707201-3707757	ff
841	TAR-841	chrX:3710302-3710955	ff
842	TAR-842	chrX:3716660-3717614	fu
843	TAR-843	chrX:3717776-3718681	ff
844	TAR-844	chrX:3751574-3752986	ff
845	TAR-845	chrX:3765351-3765935	ff
846	TAR-846	chrX:3766157-3766771	ff
847	TAR-847	chrX:3768884-3769449	ff
848	TAR-848	chrX:3769670-3770388	ff
849	TAR-849	chrX:3771493-3772247	ff
850	TAR-850	chrX:3772415-3773220	ff
851	TAR-851	chrX:3773456-3774758	ff

852	TAR-852	chrX:3776924-3777851	ff
853	TAR-853	chrX:3792545-3792992	ff
854	TAR-854	chrX:3797709-3798015	fu
855	TAR-855	chrX:3798212-3798724	ff
856	TAR-856	chrX:3805325-3805939	ff
857	TAR-857	chrX:3806236-3807244	ff
858	TAR-858	chrX:3807586-3808424	ff
859	TAR-859	chrX:3820111-3821248	ff
860	TAR-860	chrX:3826807-3827270	ff
861	TAR-861	chrX:3842376-3843003	fu
862	TAR-862	chrX:3864367-3865020	ff
863	TAR-863	chrX:3867632-3868120	ff
864	TAR-864	chrX:3871879-3872603	ff
865	TAR-865	chrX:3874416-3875414	ff
866	TAR-866	chrX:3879903-3880456	fu
867	TAR-867	chrX:3886278-3886907	ff
868	TAR-868	chrX:3888650-3889250	ff
869	TAR-869	chrX:3889421-3891052	ff
870	TAR-870	chrX:3893094-3893444	fu
871	TAR-871	chrX:3910482-3911199	ff
872	TAR-872	chrX:3916109-3917670	fu
873	TAR-873	chrX:3918107-3918719	fu
874	TAR-874	chrX:3969180-3970303	ff
875	TAR-875	chrX:3970562-3971421	fu
876	TAR-876	chrX:3971604-3972266	ff
877	TAR-877	chrX:3973318-3974036	ff
878	TAR-878	chrX:3974257-3974728	ff
879	TAR-879	chrX:3976929-3977588	ff
880	TAR-880	chrX:3977765-3978349	ff
881	TAR-881	chrX:3984738-3986460	ff
882	TAR-882	chrX:3990689-3992101	ff
883	TAR-883	chrX:4032689-4033342	ff
884	TAR-884	chrX:4035886-4036442	ff
885	TAR-885	chrX:4040206-4040959	ff
886	TAR-886	chrX:4042744-4043666	ff
887	TAR-887	chrX:4054207-4054836	ff
888	TAR-888	chrX:4056579-4057165	ff
889	TAR-889	chrX:4058014-4058981	ff
890	TAR-890	chrX:4059270-4060538	ff
891	TAR-891	chrX:4061024-4061374	ff
892	TAR-892	chrX:4061657-4062297	ff
893	TAR-893	chrX:4078435-4079793	ff
894	TAR-894	chrX:4084074-4085743	ff

895	TAR-895	chrX:4092201-4092785	ff
896	TAR-896	chrX:4092962-4093337	fu
897	TAR-897	chrX:4095765-4096330	ff
898	TAR-898	chrX:4096551-4097269	ff
899	TAR-899	chrX:4098335-4098997	ff
900	TAR-900	chrX:4099180-4100039	ff
901	TAR-901	chrX:4100354-4101600	ff
902	TAR-902	chrX:4103892-4104696	ff
903	TAR-903	chrX:4106687-4107245	ff
904	TAR-904	chrX:4119392-4119839	ff
905	TAR-905	chrX:4124541-4125560	ff
906	TAR-906	chrX:4132170-4132786	ff
907	TAR-907	chrX:4133112-4134119	ff
908	TAR-908	chrX:4134446-4135282	ff
909	TAR-909	chrX:4156860-4157323	ff
910	TAR-910	chrX:4157945-4158580	fu
911	TAR-911	chrX:4180697-4181411	ff
912	TAR-912	chrX:4181705-4184059	ff
913	TAR-913	chrX:4186078-4186906	ff
914	TAR-914	chrX:4187644-4188482	ff
915	TAR-915	chrX:4203103-4203420	du
916	TAR-916	chrX:4223454-4224865	ff
917	TAR-917	chrX:4229613-4230266	ff
918	TAR-918	chrX:4230421-4231514	ff
919	TAR-919	chrX:4232056-4232580	fu
920	TAR-920	chrX:4236469-4237414	ff
921	TAR-921	chrX:4239888-4240572	fu
922	TAR-922	chrX:4240723-4241265	fu
923	TAR-923	chrX:4241842-4246243	fu
924	TAR-924	chrX:4246937-4248119	fu
925	TAR-925	chrX:4248498-4251566	fu
926	TAR-926	chrX:4251747-4253650	fu
927	TAR-927	chrX:4265016-4265725	fu
928	TAR-928	chrX:4277352-4277989	fu
929	TAR-929	chrX:4306514-4307272	fu
930	TAR-930	chrX:4310387-4310804	fu
931	TAR-931	chrX:4311852-4312514	ff
932	TAR-932	chrX:4313081-4313682	ff
933	TAR-933	chrX:4327530-4328176	ff
934	TAR-934	chrX:4333505-4334232	fu
935	TAR-935	chrX:4336959-4337330	fu
936	TAR-936	chrX:4393169-4393722	fu
937	TAR-937	chrX:4398243-4399241	ff

938	TAR-938	chrX:4401022-4401775	ff
939	TAR-939	chrX:4405534-4406090	ff
940	TAR-940	chrX:4408635-4409288	ff
941	TAR-941	chrX:4449907-4450517	ff
942	TAR-942	chrX:4451003-4451317	fu
943	TAR-943	chrX:4456558-4457264	ff
944	TAR-944	chrX:4463517-4464866	ff
945	TAR-945	chrX:4467168-4467632	ff
946	TAR-946	chrX:4468001-4468578	ff
947	TAR-947	chrX:4469643-4471347	ff
948	TAR-948	chrX:4472053-4472933	ff
949	TAR-949	chrX:4474497-4475142	fu
950	TAR-950	chrX:4478018-4478578	ff
951	TAR-951	chrX:4492146-4492552	fu
952	TAR-952	chrX:4496419-4497443	ff
953	TAR-953	chrX:4504027-4504639	ff
954	TAR-954	chrX:4504970-4505978	ff
955	TAR-955	chrX:4506724-4507143	fu
956	TAR-956	chrX:4525548-4526011	ff
957	TAR-957	chrX:4526453-4527270	ff
958	TAR-958	chrX:4559210-4559863	ff
959	TAR-959	chrX:4562407-4562963	ff
960	TAR-960	chrX:4571047-4571600	ff
961	TAR-961	chrX:4579803-4580403	ff
962	TAR-962	chrX:4580578-4582204	ff
963	TAR-963	chrX:4582493-4583761	ff
964	TAR-964	chrX:4584302-4584597	fu
965	TAR-965	chrX:4584880-4585286	fu
966	TAR-966	chrX:4593019-4594372	ff
967	TAR-967	chrX:4594587-4596134	ff
968	TAR-968	chrX:4596290-4596903	fu
969	TAR-969	chrX:4601637-4603048	ff
970	TAR-970	chrX:4657951-4658657	fu
971	TAR-971	chrX:4673159-4673810	fu
972	TAR-972	chrX:4680222-4680900	fu
973	TAR-973	chrX:4683399-4683964	ff
974	TAR-974	chrX:4684185-4684903	ff
975	TAR-975	chrX:4685994-4686656	fu
976	TAR-976	chrX:4686839-4687825	ff
977	TAR-977	chrX:4736887-4737530	fu
978	TAR-978	chrX:4744021-4745011	ff
979	TAR-979	chrX:4748621-4749568	fu
980	TAR-980	chrX:4751992-4753199	ff

981	TAR-981	chrX:4753364-4754097	fu
982	TAR-982	chrX:4754294-4759539	fu
983	TAR-983	chrX:4759770-4760569	fu
984	TAR-984	chrX:4761388-4763979	fu
985	TAR-985	chrX:4764262-4765601	fu
986	TAR-986	chrX:4765950-4766661	fu
987	TAR-987	chrX:4784336-4785064	ff
988	TAR-988	chrX:4791991-4792498	fu
989	TAR-989	chrX:4796626-4797615	fu
990	TAR-990	chrX:4825731-4826462	ff
991	TAR-991	chrX:4828395-4829038	fu
992	TAR-992	chrX:4829266-4829983	ff
993	TAR-993	chrX:4832263-4832864	ff
994	TAR-994	chrX:4833051-4834092	ff
995	TAR-995	chrX:4846611-4847200	ff
996	TAR-996	chrX:4849709-4850254	fu
997	TAR-997	chrX:4858973-4859391	ff
998	TAR-998	chrX:4864713-4865437	fu
999	TAR-999	chrX:4880621-4881113	ff
1000	TAR-1000	chrX:4881846-4882401	fu
1001	TAR-1001	chrX:4882640-4883640	ff
1002	TAR-1002	chrX:4892529-4893294	fu
1003	TAR-1003	chrX:4895594-4896293	fu
1004	TAR-1004	chrX:4898040-4898659	fu
1005	TAR-1005	chrX:4914092-4914500	fu
1006	TAR-1006	chrX:4924359-4924802	fu
1007	TAR-1007	chrX:4932173-4932584	df
1008	TAR-1008	chrX:4933126-4933801	dd
1009	TAR-1009	chrX:4934765-4935579	dd
1010	TAR-1010	chrX:4938459-4939501	dd
1011	TAR-1011	chrX:4942112-4942880	fu
1012	TAR-1012	chrX:4958993-4959381	ff
1013	TAR-1013	chrX:5274926-5275446	fu
1014	TAR-1014	chrX:5289308-5289901	fu
1015	TAR-1015	chrX:23734281-23734858	ff
1016	TAR-1016	chrX:24264883-24265677	fu
1017	TAR-1017	chrX:24510164-24510598	ff
1018	TAR-1018	chrX:24516233-24517044	ff
1019	TAR-1019	chrX:24521290-24522056	ff
1020	TAR-1020	chrX:24617344-24618530	ff
1021	TAR-1021	chrX:24623015-24624010	ff
1022	TAR-1022	chrX:25165730-25166511	fu
1023	TAR-1023	chrX:25170485-25171271	fu

1024	TAR-1024	chrX:25283176-25283610	ff
1025	TAR-1025	chrX:25334674-25335714	ff
1026	TAR-1026	chrX:25551216-25552297	ff
1027	TAR-1027	chrX:25557010-25558008	ff
1028	TAR-1028	chrX:26452387-26453534	fu
1029	TAR-1029	chrX:26595280-26595889	ff
1030	TAR-1030	chrX:26638045-26638976	ff
1031	TAR-1031	chrX:26642528-26643871	ff
1032	TAR-1032	chrX:26698510-26699505	ff
1033	TAR-1033	chrX:26703988-26705174	ff
1034	TAR-1034	chrX:26915901-26916335	ff
1035	TAR-1035	chrX:26921970-26922781	ff
1036	TAR-1036	chrX:26927029-26927795	ff
1037	TAR-1037	chrX:27000291-27000707	ff
1038	TAR-1038	chrX:27047368-27048179	ff
1039	TAR-1039	chrX:27052161-27053078	ff
1040	TAR-1040	chrX:27121888-27122690	ff
1041	TAR-1041	chrX:27123245-27123980	ff
1042	TAR-1042	chrX:27131240-27131791	ff
1043	TAR-1043	chrX:27268853-27269664	ff
1044	TAR-1044	chrX:27273890-27274656	ff
1045	TAR-1045	chrX:27354784-27355200	ff
1046	TAR-1046	chrX:27403399-27404491	ff
1047	TAR-1047	chrX:27408470-27409387	ff
1048	TAR-1048	chrX:27475379-27476294	ff
1049	TAR-1049	chrX:27476607-27477342	ff
1050	TAR-1050	chrX:27480732-27481918	ff
1051	TAR-1051	chrX:27484638-27485189	ff
1052	TAR-1052	chrX:27488924-27489655	ff
1053	TAR-1053	chrX:27511716-27512411	ff
1054	TAR-1054	chrX:27525167-27526228	ff
1055	TAR-1055	chrX:27609544-27609978	ff
1056	TAR-1056	chrX:27615612-27616423	ff
1057	TAR-1057	chrX:27685102-27685711	ff
1058	TAR-1058	chrX:27727919-27728850	ff
1059	TAR-1059	chrX:27732894-27733741	ff
1060	TAR-1060	chrX:27788378-27789373	ff
1061	TAR-1061	chrX:27793856-27795042	ff
1062	TAR-1062	chrX:27923817-27924251	ff
1063	TAR-1063	chrX:27929884-27930695	ff
1064	TAR-1064	chrX:27934954-27935720	ff
1065	TAR-1065	chrX:28008267-28008683	ff
1066	TAR-1066	chrX:28055342-28056153	ff

1067	TAR-1067	chrX:28060126-28061043	ff
1068	TAR-1068	chrX:28129645-28130447	ff
1069	TAR-1069	chrX:28131002-28131737	ff
1070	TAR-1070	chrX:28139015-28139566	ff
1071	TAR-1071	chrX:28276644-28277455	ff
1072	TAR-1072	chrX:28281722-28282488	ff
1073	TAR-1073	chrX:28355033-28355449	ff
1074	TAR-1074	chrX:28403928-28404739	ff
1075	TAR-1075	chrX:28408718-28409635	ff
1076	TAR-1076	chrX:28475641-28476556	ff
1077	TAR-1077	chrX:28476869-28477604	ff
1078	TAR-1078	chrX:28480994-28482180	ff
1079	TAR-1079	chrX:28484889-28485440	ff
1080	TAR-1080	chrX:28489175-28489906	ff
1081	TAR-1081	chrX:28511946-28512641	ff
1082	TAR-1082	chrX:28903727-28904913	ff
1083	TAR-1083	chrX:28908301-28909036	ff
1084	TAR-1084	chrX:28909349-28910393	ff
1085	TAR-1085	chrX:28979627-28980544	ff
1086	TAR-1086	chrX:28984526-28985337	ff
1087	TAR-1087	chrX:29031953-29032369	ff
1088	TAR-1088	chrX:29104936-29105702	ff
1089	TAR-1089	chrX:29109942-29110753	ff
1090	TAR-1090	chrX:29116391-29116825	ff
1091	TAR-1091	chrX:29247603-29248789	ff
1092	TAR-1092	chrX:29253175-29254272	ff
1093	TAR-1093	chrX:29315742-29317095	ff
1094	TAR-1094	chrX:29320646-29321637	ff
1095	TAR-1095	chrX:29369389-29369805	ff
1096	TAR-1096	chrX:29373514-29374123	fu
1097	TAR-1097	chrX:29465406-29466217	ff
1098	TAR-1098	chrX:29471851-29472285	ff
1099	TAR-1099	chrX:29580087-29580638	ff
1100	TAR-1100	chrX:29583353-29584540	ff
1101	TAR-1101	chrX:29587927-29588662	ff
1102	TAR-1102	chrX:29588975-29589890	ff
1103	TAR-1103	chrX:29686786-29687202	ff
1104	TAR-1104	chrX:29757498-29758429	ff
1105	TAR-1105	chrX:29762508-29763355	ff
1106	TAR-1106	chrX:29829394-29830309	ff
1107	TAR-1107	chrX:29830622-29831362	ff
1108	TAR-1108	chrX:29834755-29835942	ff
1109	TAR-1109	chrX:29838656-29839207	ff

1110	TAR-1110	chrX:29842943-29843674	ff
1111	TAR-1111	chrX:29861547-29862242	ff
1112	TAR-1112	chrX:29874995-29876056	ff
1113	TAR-1113	chrX:29959395-29959829	ff
1114	TAR-1114	chrX:29965463-29966274	ff
1115	TAR-1115	chrX:30057570-30058179	ff
1116	TAR-1116	chrX:30100310-30101301	ff
1117	TAR-1117	chrX:30104850-30106193	ff
1118	TAR-1118	chrX:30213262-30214184	ff
1119	TAR-1119	chrX:30224725-30225354	ff
1120	TAR-1120	chrX:30227097-30227683	ff
1121	TAR-1121	chrX:30228532-30229499	ff
1122	TAR-1122	chrX:30229788-30231056	ff
1123	TAR-1123	chrX:30231542-30231892	ff
1124	TAR-1124	chrX:30232175-30232815	ff
1125	TAR-1125	chrX:30240302-30241670	ff
1126	TAR-1126	chrX:30241885-30242890	fu
1127	TAR-1127	chrX:30248953-30250311	ff
1128	TAR-1128	chrX:30254592-30256269	ff
1129	TAR-1129	chrX:30262727-30263311	ff
1130	TAR-1130	chrX:30263488-30263863	fu
1131	TAR-1131	chrX:30266291-30266856	ff
1132	TAR-1132	chrX:30267077-30267795	ff
1133	TAR-1133	chrX:30268861-30269523	ff
1134	TAR-1134	chrX:30269706-30270565	ff
1135	TAR-1135	chrX:30270880-30272126	ff
1136	TAR-1136	chrX:30274416-30275220	ff
1137	TAR-1137	chrX:30288949-30289559	ff
1138	TAR-1138	chrX:30294309-30294923	fu
1139	TAR-1139	chrX:30295621-30296626	ff
1140	TAR-1140	chrX:30296841-30298197	ff
1141	TAR-1141	chrX:30322443-30323348	ff
1142	TAR-1142	chrX:30323854-30324458	ff
1143	TAR-1143	chrX:30330162-30330815	ff
1144	TAR-1144	chrX:30333360-30333916	ff
1145	TAR-1145	chrX:30337680-30338433	ff
1146	TAR-1146	chrX:30340202-30340917	ff
1147	TAR-1147	chrX:30348678-30349406	ff
1148	TAR-1148	chrX:30350490-30351757	ff
1149	TAR-1149	chrX:30352270-30353134	ff
1150	TAR-1150	chrX:30355163-30355921	fu
1151	TAR-1151	chrX:30356108-30357519	ff
1152	TAR-1152	chrX:30370544-30371375	fu

1153	TAR-1153	chrX:30377204-30377667	fu
1154	TAR-1154	chrX:30470454-30470996	fu
1155	TAR-1155	chrX:30476629-30477179	fu
1156	TAR-1156	chrX:30478973-30479358	fu
1157	TAR-1157	chrX:30480233-30481615	fu
1158	TAR-1158	chrX:30482909-30483738	ff
1159	TAR-1159	chrX:30494387-30494632	du
1160	TAR-1160	chrX:30495559-30496265	fu
1161	TAR-1161	chrX:30501482-30502217	fu
1162	TAR-1162	chrX:30502898-30503701	fu
1163	TAR-1163	chrX:30507769-30508137	fu
1164	TAR-1164	chrX:30509941-30510602	fu
1165	TAR-1165	chrX:30532102-30532452	ff
1166	TAR-1166	chrX:30533955-30536014	ff
1167	TAR-1167	chrX:30538311-30539088	ff
1168	TAR-1168	chrX:30542035-30542762	ff
1169	TAR-1169	chrX:30549866-30551244	fu
1170	TAR-1170	chrX:30558443-30559167	ff
1171	TAR-1171	chrX:30566039-30567072	ff
1172	TAR-1172	chrX:30567990-30568477	fu
1173	TAR-1173	chrX:30593151-30594504	ff
1174	TAR-1174	chrX:30595352-30596266	fu
1175	TAR-1175	chrX:30596422-30597036	ff
1176	TAR-1176	chrX:30601825-30603192	ff
1177	TAR-1177	chrX:30607420-30609120	ff
1178	TAR-1178	chrX:30615546-30616610	ff
1179	TAR-1179	chrX:30619125-30619690	ff
1180	TAR-1180	chrX:30619911-30620629	ff
1181	TAR-1181	chrX:30621717-30622344	fu
1182	TAR-1182	chrX:30622562-30623427	ff
1183	TAR-1183	chrX:30623678-30624998	ff
1184	TAR-1184	chrX:30626533-30628067	ff
1185	TAR-1185	chrX:30630064-30630636	fu
1186	TAR-1186	chrX:30635936-30637017	ff
1187	TAR-1187	chrX:30643124-30643651	fu
1188	TAR-1188	chrX:30700383-30701416	ff
1189	TAR-1189	chrX:30702314-30702801	fu
1190	TAR-1190	chrX:30727445-30729488	ff
1191	TAR-1191	chrX:30729665-30730579	fu
1192	TAR-1192	chrX:30730735-30731349	ff
1193	TAR-1193	chrX:30981264-30982781	ff
1194	TAR-1194	chrX:30987395-30988634	ff
1195	TAR-1195	chrX:30995062-30995646	ff

1196	TAR-1196	chrX:30995823-30996538	ff
1197	TAR-1197	chrX:30998579-30999144	ff
1198	TAR-1198	chrX:31000994-31001801	fu
1199	TAR-1199	chrX:31002061-31002851	fu
1200	TAR-1200	chrX:31003626-31004405	ff
1201	TAR-1201	chrX:31005967-31007498	ff
1202	TAR-1202	chrX:31013720-31014247	fu
1203	TAR-1203	chrX:31015310-31016482	ff
1204	TAR-1204	chrX:31016896-31017580	fu
1205	TAR-1205	chrX:31023206-31023653	ff
1206	TAR-1206	chrX:31028334-31029360	ff
1207	TAR-1207	chrX:31035943-31036559	ff
1208	TAR-1208	chrX:31038340-31039083	ff
1209	TAR-1209	chrX:31051008-31051905	ff
1210	TAR-1210	chrX:31057434-31057897	fu
1211	TAR-1211	chrX:31058331-31059378	fu
1212	TAR-1212	chrX:31061398-31062290	ff
1213	TAR-1213	chrX:31067472-31068133	fu
1214	TAR-1214	chrX:31075585-31075935	ff
1215	TAR-1215	chrX:31076478-31078996	ff
1216	TAR-1216	chrX:31081298-31083303	ff
1217	TAR-1217	chrX:31084550-31085118	fu
1218	TAR-1218	chrX:31088855-31089161	fu
1219	TAR-1219	chrX:31090250-31090614	fu
1220	TAR-1220	chrX:31103738-31104447	fu
1221	TAR-1221	chrX:31104781-31105555	fu
1222	TAR-1222	chrX:31126863-31127077	fu
1223	TAR-1223	chrX:31129047-31129369	fu
1224	TAR-1224	chrX:31131108-31131955	fu
1225	TAR-1225	chrX:31132280-31133791	fu
1226	TAR-1226	chrX:31134458-31135131	ff
1227	TAR-1227	chrX:31187953-31188491	fu
1228	TAR-1228	chrX:31201089-31201446	fu
1229	TAR-1229	chrX:31201985-31202660	ff
1230	TAR-1230	chrX:31203486-31204454	ff
1231	TAR-1231	chrX:31204653-31205118	fu
1232	TAR-1232	chrX:31205290-31205890	ff
1233	TAR-1233	chrX:31207656-31208262	ff
1234	TAR-1234	chrX:31215383-31215683	fu
1235	TAR-1235	chrX:31216770-31217126	fu
1236	TAR-1236	chrX:31221948-31222698	ff
1237	TAR-1237	chrX:31226464-31226952	fu
1238	TAR-1238	chrX:31235927-31236531	fu

1239	TAR-1239	chrX:31237215-31237946	ff
1240	TAR-1240	chrX:31251613-31252240	fu
1241	TAR-1241	chrX:31432061-31432527	ff
1242	TAR-1242	chrX:31438489-31439173	ff
1243	TAR-1243	chrX:31456113-31457081	ff
1244	TAR-1244	chrX:31465462-31466347	ff
1245	TAR-1245	chrX:31467642-31468250	fu
1246	TAR-1246	chrX:31471553-31471971	fu
1247	TAR-1247	chrX:31532536-31533698	fu
1248	TAR-1248	chrX:31537542-31537989	ff
1249	TAR-1249	chrX:31542698-31543721	ff
1250	TAR-1250	chrX:31550323-31550940	fu
1251	TAR-1251	chrX:31552719-31553429	ff
1252	TAR-1252	chrX:31564039-31564848	du
1253	TAR-1253	chrX:31565143-31566236	ff
1254	TAR-1254	chrX:31572576-31573319	ff
1255	TAR-1255	chrX:31588984-31589341	fu
1256	TAR-1256	chrX:31589880-31590555	ff
1257	TAR-1257	chrX:31591381-31592349	ff
1258	TAR-1258	chrX:31592548-31593013	fu
1259	TAR-1259	chrX:31593185-31593785	ff
1260	TAR-1260	chrX:31595551-31596157	ff
1261	TAR-1261	chrX:31603278-31603578	fu
1262	TAR-1262	chrX:31604665-31605021	fu
1263	TAR-1263	chrX:31609843-31610593	ff
1264	TAR-1264	chrX:31614359-31614847	fu
1265	TAR-1265	chrX:31639508-31640135	fu
1266	TAR-1266	chrX:31654022-31654765	ff
1267	TAR-1267	chrX:31655199-31655662	ff
1268	TAR-1268	chrX:31661226-31662319	ff
1269	TAR-1269	chrX:31683482-31684498	fu
1270	TAR-1270	chrX:31684798-31685443	ff
1271	TAR-1271	chrX:31687307-31687923	ff
1272	TAR-1272	chrX:31694515-31695472	ff
1273	TAR-1273	chrX:31700258-31700705	fu
1274	TAR-1274	chrX:31709672-31710199	fu
1275	TAR-1275	chrX:31716418-31717055	ff
1276	TAR-1276	chrX:31719289-31720412	ff
1277	TAR-1277	chrX:31720671-31722375	ff
1278	TAR-1278	chrX:31723443-31723861	fu
1279	TAR-1279	chrX:31724382-31724947	ff
1280	TAR-1280	chrX:31727345-31728481	ff
1281	TAR-1281	chrX:31741637-31742858	ff

1282	TAR-1282	chrX:31747583-31748994	ff
1283	TAR-1283	chrX:31765363-31765769	fu
1284	TAR-1284	chrX:31766887-31768155	ff
1285	TAR-1285	chrX:31768444-31769411	ff
1286	TAR-1286	chrX:31779046-31779599	ff
1287	TAR-1287	chrX:31784123-31785121	ff
1288	TAR-1288	chrX:31786903-31787656	ff
1289	TAR-1289	chrX:31791421-31791909	ff
1290	TAR-1290	chrX:31835731-31837142	ff
1291	TAR-1291	chrX:31841366-31843086	ff
1292	TAR-1292	chrX:31849454-31850038	ff
1293	TAR-1293	chrX:31850217-31850803	ff
1294	TAR-1294	chrX:31853775-31854493	ff
1295	TAR-1295	chrX:31855550-31856212	ff
1296	TAR-1296	chrX:31856831-31857713	ff
1297	TAR-1297	chrX:31859334-31860806	ff
1298	TAR-1298	chrX:31862796-31863353	ff
1299	TAR-1299	chrX:31866640-31867350	ff
1300	TAR-1300	chrX:31867510-31868394	ff
1301	TAR-1301	chrX:31872618-31874029	ff
1302	TAR-1302	chrX:31878771-31879385	fu
1303	TAR-1303	chrX:31879541-31880458	fu
1304	TAR-1304	chrX:31880635-31881091	fu
1305	TAR-1305	chrX:31881247-31882673	ff
1306	TAR-1306	chrX:31916196-31917332	fu
1307	TAR-1307	chrX:31924647-31925537	ff
1308	TAR-1308	chrX:31927635-31928363	ff
1309	TAR-1309	chrX:31931226-31931952	ff
1310	TAR-1310	chrX:31934344-31936427	ff
1311	TAR-1311	chrX:31936610-31937636	ff
1312	TAR-1312	chrX:31945723-31946393	ff
1313	TAR-1313	chrX:31956028-31956492	fu
1314	TAR-1314	chrX:31959691-31960309	fu
1315	TAR-1315	chrX:31965057-31965806	fu
1316	TAR-1316	chrX:31974741-31975814	ff
1317	TAR-1317	chrX:31976027-31976977	ff
1318	TAR-1318	chrX:31977518-31977943	ff
1319	TAR-1319	chrX:31993421-31994350	ff
1320	TAR-1320	chrX:32007083-32007625	fu
1321	TAR-1321	chrX:32033309-32033963	ff
1322	TAR-1322	chrX:32034477-32035139	fu
1323	TAR-1323	chrX:32036191-32036862	fu
1324	TAR-1324	chrX:32039888-32040503	ff

1325	TAR-1325	chrX:32068438-32069502	ff
1326	TAR-1326	chrX:32073639-32074146	fu
1327	TAR-1327	chrX:32088681-32089513	fu
1328	TAR-1328	chrX:32090007-32090535	fu
1329	TAR-1329	chrX:32093433-32097160	fu
1330	TAR-1330	chrX:32097387-32098279	fu
1331	TAR-1331	chrX:32098520-32100202	fu
1332	TAR-1332	chrX:32100765-32102669	fu
1333	TAR-1333	chrX:32104208-32107359	fu
1334	TAR-1334	chrX:32114323-32114903	fu
1335	TAR-1335	chrX:32115207-32116008	fu
1336	TAR-1336	chrX:32120949-32121587	fu
1337	TAR-1337	chrX:32121751-32122635	ff
1338	TAR-1338	chrX:32126863-32127177	fu
1339	TAR-1339	chrX:32127556-32128273	ff
1340	TAR-1340	chrX:32132991-32133607	ff
1341	TAR-1341	chrX:32135480-32136895	ff
1342	TAR-1342	chrX:32160663-32161092	fu
1343	TAR-1343	chrX:32161398-32162048	ff
1344	TAR-1344	chrX:32168921-32169798	ff
1345	TAR-1345	chrX:32171441-32172156	ff
1346	TAR-1346	chrX:32179670-32180398	fu
1347	TAR-1347	chrX:32181479-32182031	fu
1348	TAR-1348	chrX:32183259-32183822	ff
1349	TAR-1349	chrX:32186126-32186912	fu
1350	TAR-1350	chrX:32187099-32188511	ff
1351	TAR-1351	chrX:32190003-32190468	fu
1352	TAR-1352	chrX:32343566-32344627	ff
1353	TAR-1353	chrX:32357380-32358075	fu
1354	TAR-1354	chrX:32375948-32376679	fu
1355	TAR-1355	chrX:32380415-32380966	ff
1356	TAR-1356	chrX:32383680-32384867	ff
1357	TAR-1357	chrX:32388260-32389000	ff
1358	TAR-1358	chrX:32389313-32390228	ff
1359	TAR-1359	chrX:32456266-32457113	ff
1360	TAR-1360	chrX:32461192-32462123	ff
1361	TAR-1361	chrX:32510479-32510895	ff
1362	TAR-1362	chrX:32583892-32584658	ff
1363	TAR-1363	chrX:32588884-32589695	ff
1364	TAR-1364	chrX:32595328-32595762	ff
1365	TAR-1365	chrX:32724489-32725675	ff
1366	TAR-1366	chrX:32730063-32731160	ff
1367	TAR-1367	chrX:32785731-32787076	ff

1368	TAR-1368	chrX:32790635-32791446	ff
1369	TAR-1369	chrX:32829629-32830045	ff
1370	TAR-1370	chrX:32925618-32926429	ff
1371	TAR-1371	chrX:32932063-32932497	ff
1372	TAR-1372	chrX:33015828-33016889	fu
1373	TAR-1373	chrX:33057003-33057558	fu
1374	TAR-1374	chrX:51723295-51723770	fu
1375	TAR-1375	chrX:51996354-51996829	fu
1376	TAR-1376	chrX:52094044-52094519	fu
1377	TAR-1377	chrX:52343468-52343943	fu
1378	TAR-1378	chrX:53029850-53030325	fu
1379	TAR-1379	chrX:70409626-70410272	fu
1380	TAR-1380	chrX:70411878-70412774	fu
1381	TAR-1381	chrX:70412933-70413461	fu
1382	TAR-1382	chrX:72132960-72133872	fu
1383	TAR-1383	chrX:92122811-92123827	ff
1384	TAR-1384	chrX:92124270-92125162	ff
1385	TAR-1385	chrX:92126148-92127623	ff
1386	TAR-1386	chrX:92128214-92129253	ff
1387	TAR-1387	chrX:92130240-92132026	ff
1388	TAR-1388	chrX:92132223-92134076	ff
1389	TAR-1389	chrX:92135120-92136146	ff
1390	TAR-1390	chrX:92136343-92138198	ff
1391	TAR-1391	chrX:92138458-92140247	ff
1392	TAR-1392	chrX:92140690-92142296	ff
1393	TAR-1393	chrX:92142739-92144350	ff
1394	TAR-1394	chrX:92145850-92146421	ff
1395	TAR-1395	chrX:92147458-92148152	ff
1396	TAR-1396	chrX:92148912-92150541	ff
1397	TAR-1397	chrX:92151577-92152586	ff
1398	TAR-1398	chrX:92152783-92154636	ff
1399	TAR-1399	chrX:92155677-92156685	ff
1400	TAR-1400	chrX:92157126-92158754	ff
1401	TAR-1401	chrX:92159194-92160108	ff
1402	TAR-1402	chrX:92161862-92162556	ff
1403	TAR-1403	chrX:112127976-112128982	fu
1404	TAR-1404	chrX:120200588-120201209	uf
1405	TAR-1405	chrX:162262620-162262909	fu
1406	TAR-1406	chrX:166444969-166445667	fu