

## Supplementary information

### CRISPR-Cas9 Editing in Maize: Systematic Evaluation of Off-target Activity and Its Relevance in Crop Improvement

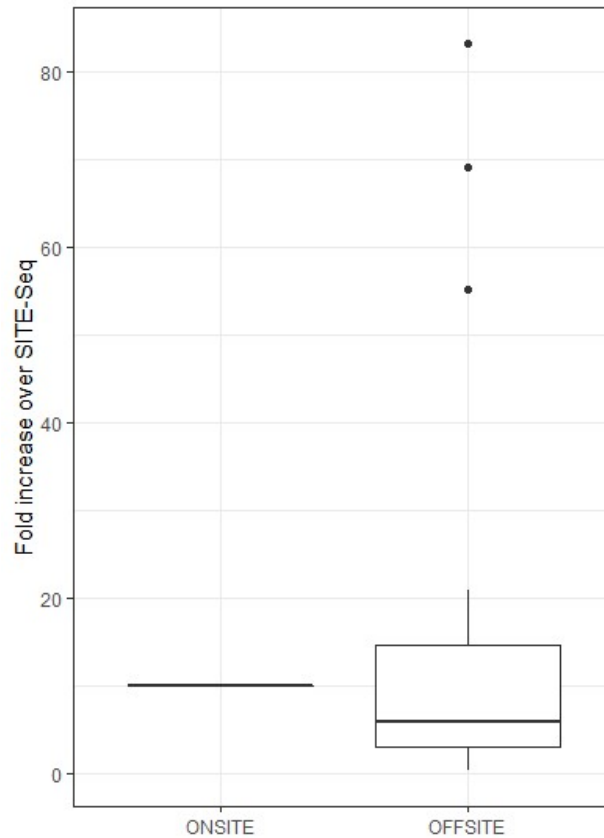
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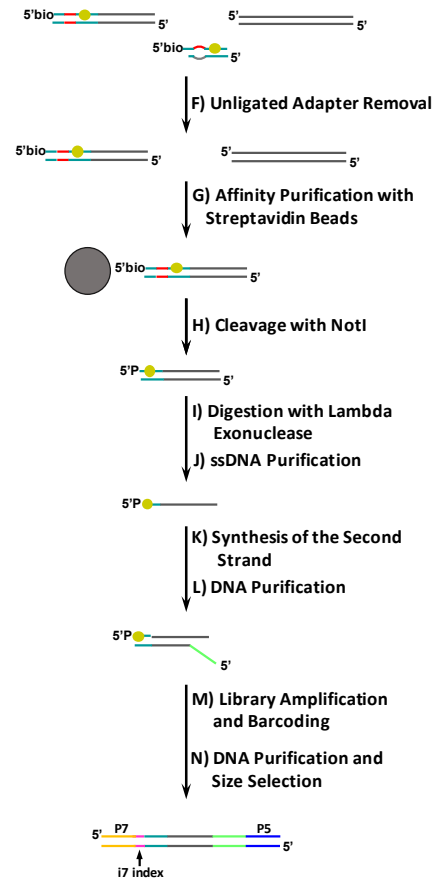
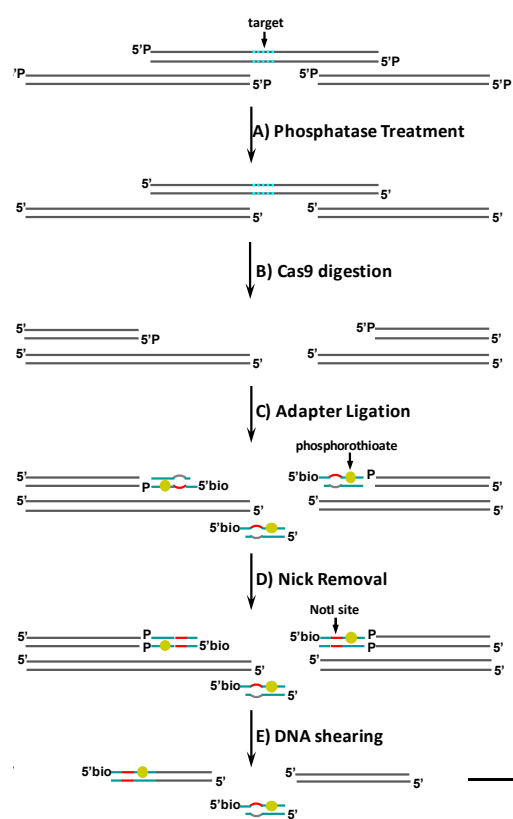
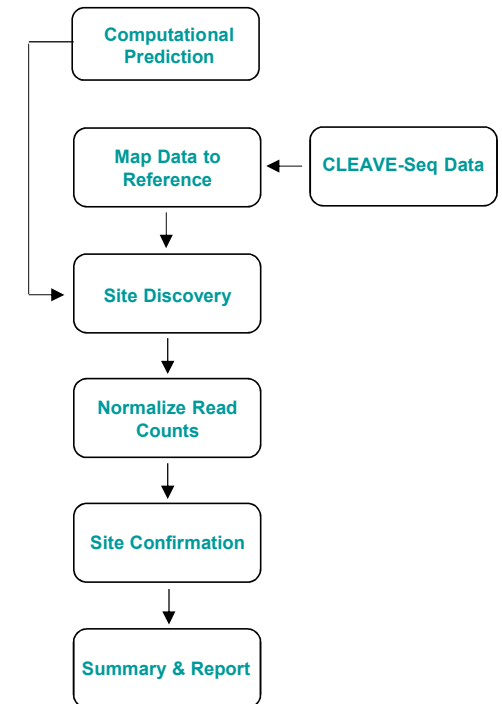
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**Supplementary Figure 1.** Comparison between CLEAVE-Seq and SITE-seq. Box and whisker plot of the fold difference in read coverage between the collection of on- and off-target sites recovered using CLEAVE-Seq and SITE-Seq. The M4 target site, GGCGGCGGCGAGGTAGTGCGAGG (PAM in blue font), located within the *liguleless 1* gene (Chr2:4233973-4233995 (AGPv4)) was used in the comparison. Two CLEAVE-Seq technical replicates and one control SITE-Seq replicate were processed, using protocols described here for CLEAVE-Seq (see Materials & Methods), and as previously described for SITE-Seq by Cameron *et al.* 2017<sup>28</sup>. Following library construction, sequencing was performed for all three samples on an Illumina HiSeq2500, and data were analyzed using the CLEAVE-Seq analytical approach described in the Materials & Methods. Results demonstrate that CLEAVE-Seq libraries provide an enhanced recovery at on- and off-sites relative to SITE-Seq, ~10-fold for the on-target and ~7-fold for the off-targets.

**A****B**

**Supplementary Figure 2. A)** Schematic of CLEAVE-Seq method. First, purified genomic DNA is dephosphorylated to reduce the number of free genomic DNA ends not generated by Cas9. Then, unphosphorylated adapters conjugated to biotin are used to capture Cas9 cleavage sites. Next, DNA fragment length is reduced and Cas9 cleaved fragments are enriched for by Streptavidin affinity purification. Finally, indexed libraries are generated for deep sequencing. **B)** Flow chart of target discovery informatics. First, computational prediction (e.g. Cas-OFFinder (Bae, Park et al. 2014) is used to identify putative genomic target sites. Next, CLEAVE-Seq data is combined with computation predictions to identify biochemically cleaved on- and off-target sites. The read count for each site is then normalized based on total read depth and confirmed as being unique to the Cas9 treated sample by comparisons to the control (reactions assembled in the absence of a guide RNA).

**Supplementary Table 1.** A shortlist of computationally predicted M1 sites. On-target site is shown on the top. DNA and RNA Bulges are shown as gray and black boxes, respectively. Mismatches are shown in color boxes.

Site	Computational prediction		Sequence																			Genomic Location	Avg CLEAVE-Seq Reads					
	Mismatch	Bulge	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3			2	1	0	-1	-2
	0	0	G	C	A	C	G	T	A	C	G	T	C	A	C	C	A	T	C	C	C	G	C	C	G	G	Chr1:14702765-14702788	200.78
1	2	1																									Chr7:16502824-16502847	0.78
2	2	1																									Chr3:12444708-12444731	0.00
3	2	1																									Chr1:54992863-54992886	0.00
4	2	1																									Chr8:38361070-38361093	1.41
5	2	1																									Chr8:73407823-73407846	0.00
6	2	1																									Chr10:26835370-26835393	1.46
7	2	1																									Chr10:26867320-26867343	0.00
8	2	1																									Chr10:142898890-142898913	0.21
9	2	1																									Chr7:5753958-5753981	3.02
10	2	1																									Chr7:156486399-156486422	3.02
11	2	1																									Chr5:182622499-182622522	0.00
12	2	1																									Chr1:77630220-77630243	0.00
13	2	1																									Chr1:84645608-84645631	0.00
14	2	1																									Chr3:56838689-56838712	0.00
15	2	1																									Chr2:29281983-29282006	0.63

**Supplementary Table 2.** CLEAVE-seq data and A shortlist of computationally predicted M3 sites. On-target site is shown on the top. DNA and RNA Bulges are shown as gray and black boxes, respectively. Mismatches are shown in color boxes.

Site	Computational prediction		Sequence														Genomic Location	Avg CLEAVE-Seq Reads									
	Mismatch	Bulge	20	19	18	17	16	15	14	13	12	11	10	9	8	7			6	5	4	3	2	1	0	-1	-2
	0	0	G	C	G	G	A	G	A	C	T	A	A	G	T	G	G	C	T	G	T	A	G	G	G	Chr2:4233941-4233964	164.19
1	2	1									A											G	T		Chr2:172786227-172786250	0.00	
2	2	1															T	A					A		Chr7:43812401-43812424	2.46	
3	2	1								C												G	A		Chr2:120060642-120060665	0.00	
4	2	1									G				c						A	G	A		Chr5:93791118-93791140	0.00	
5	2	1									G				c						A	G	A		Chr3:196197068-196197090	0.00	
6	2	1								G													G	A	Chr5:168532712-168532734	0.00	
7	2	1									G				c						A	G	A		Chr7:115695254-115695276	0.00	
8	2	1									G				c						A	G	A		Chr7:62777273-62777295	0.00	
9	2	1									G	C											G	A	Chr1:147217001-147217023	0.00	
10	2	1																					T	G	Chr1:286055591-286055613	0.00	
11	2	1									G				c							A	G	A	Chr8:86546577-86546599	0.00	
12	2	1									G				c							A	G	A	Chr1:76398359-76398381	0.00	
13	2	1									G				c						A	G	A		Chr10:64318847-64318869	0.00	
14	2	1									G				c							A	G	A	Chr8:86529185-86529207	0.00	
15	2	1									G				c							A	G	A	Chr5:93800999-93801021	0.00	

**Supplementary Table 3.** CLEAVE-seq data and a shortlist of computationally predicted M2 sites. On-target site is shown on the top. DNA and RNA Bulges are shown as gray and black boxes, respectively. Mismatches are shown in color boxes.

Site	Computational prediction		Sequence																				Genomic Location	Avg CLEAVE-Seq Reads			
	Mismatch	Bulge	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1			0	-1	-2
1	0	0	G	G	C	C	G	A	G	G	T	C	G	A	C	T	A	C	C	G	G	C	C	G	G	Chr9:143631773-143631796	227.16
2	2	1			c		C		T														A		Chr2:37363776-37363799	14.68	
3	1	1									G												A		Chr3:200475375-200475398	48.43	
4	2	1					C				G												A		Chr10:5286571-5286594	111.10	
5	2	1			G						G					g							C		Chr5:139807793-139807816	3.50	
6	2	1									G					G							A		Chr5:196093089-196093112	0.00	
7	1	1																					G		Chr6:166308906-166308929	12.21	
8	2	1			A											T							G		Chr5:219494224-219494247	0.00	
9	2	1			T																		A		Chr6:157449386-157449409	1.00	
10	1	1																					C		Chr3:214572069-214572092	0.00	
11	2	1														T							G		Chr6:9938751-9938774	0.00	
12	2	1														T							G		Chr9:3475286-3475309	0.00	
13	2	1														T							G		Chr3:218090730-218090753	0.00	
14	2	1														T							G		Chr8:80758362-80758385	0.00	
15	2	1														T							G		Chr5:16787335-16787358	0.00	
16	2	1														T							G		Chr5:174188899-174188922	0.00	
17	2	1														T							G		Chr4:17679359-17679382	0.00	
18	2	1														T							G		Chr3:174183068-174183091	0.00	
19	2	1														T							G		Chr9:16372961-16372984	0.00	
20	2	1					G									T							T		Chr6:35449294-35449317	0.00	
21	2	1	C													g							C		Chr2:48116260-48116283	0.00	
22	2	1	C													g							C		Chr10:120428313-120428336	0.00	
23	2	1														T							G		Chr9:78374914-78374937	0.00	
24	2	1														T							G		Chr6:40580933-40580956	0.00	
25	2	1														T							G		Chr1:57503045-57503068	0.00	
26	2	1														T							G		Chr3:216792332-216792355	0.00	
27	2	1														T							G		Chr8:138192658-138192681	0.00	
28	2	1														T							G		Chr10:117146380-117146403	0.00	
29	2	1																					A		Chr4:184633059-184633082	0.00	
30	2	1																					G		Chr8:123353866-123353889	0.00	
31	2	1																					G		Chr4:46962972-46962995	0.00	
32	2	1																					G		Chr4:46981868-46981891	0.00	
33	2	1																					G		Chr1:130948589-130948612	0.00	
34	2	1																					G		Chr8:101460540-101460563	0.00	
35	2	1																					G		Chr10:38760703-38760726	0.00	
36	2	1																					G		Chr10:38770324-38770347	0.00	
37	2	1																					A		Chr5:218532749-218532772	0.00	
38	2	1																					A		Chr5:218542334-218542357	0.00	
39	2	1																					G		Chr10:83019302-83019325	0.00	
40	2	1																					T		Chr3:5743937-5743960	0.00	
41	2	1																					G		Chr9:63992902-63992925	0.00	
42	2	1																					G		Chr9:57340264-57340287	0.00	
43	2	1																					T		Chr4:146163129-146163152	0.00	
44	2	1																					T		Chr2:213478153-213478176	0.00	
45	2	1																					A		Chr5:223273918-223273940	2.38	
46	2	1																					A		Chr1:137725782-137725804	0.00	
47	2	1																					A		Chr1:159151911-159151933	0.00	
48	2	1																					A		Chr1:199634954-199634976	0.00	
49	2	1																					A		Chr1:232879291-232879313	0.00	
50	2	0																					A		Chr1:304501362-304501384	0.00	
51	2	0																					A		Chr2:75055786-75055808	0.00	
52	2	0																					A		Chr3:145198993-145199015	0.00	
53	2	1																					A		Chr4:79878295-79878317	0.00	
54	2	1																					A		Chr5:2689067-2689089	0.00	
55	2	1																					A		Chr5:110101791-110101813	0.00	
56	2	1																					A		Chr5:110111414-110111436	0.00	
57	2	1																					A		Chr5:126305549-126305571	0.00	
58	2	0																					A		Chr6:125674373-125674395	0.00	
59	2	1																					A		Chr7:124810038-124810060	39.49	
60	2	1																					A		Chr8:15761268-15761290	0.00	
61	2	1																					A		Chr8:15770931-15770953	0.00	
62	2	1																					A		Chr8:50000473-50000495	0.00	
63	2	1																					A		Chr8:139620037-139620059	0.00	
64	2	1																					A		Chr9:22064095-22064117	0.00	
65	2	1																					A		Chr9:59915238-59915260	0.00	
66	2	0																					A		Chr9:159463178-159463200	0.00	

Supplementary Table 4. Comprehensive list of cleaved genomic repeat sites detected from M2 guide RNA using CLEAVE-Seq

Location	Cut Site	CutSite_WRT_Target	MM_Type	DNA_Sequence	RNA_Sequence	Strand	Mismatches	Bulge Size	Normalized Read Count Rep 1	Normalized Read Count Rep 2	Avg CLEAVE-Seq Reads
Chr5:37860732-37860754	37860737	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	tG-GggGTGACTACCGGCGAGG	-	2	2	469	589.33	529.17
Chr9:14363173-14363175	14363170	3	X	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGCGG	+	0	0	234	220.31	227.16
Chr10:5286571-5286593	5286586	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CCGCGGCGACTACCGGCGAGG	+	2	1	79	143.20	111.10
Chr3:200475375-20047539	20047540	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGG	+	1	1	25	68.85	48.43
Chr7:124810038-124810060	124810053	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-GAGGcCAcTACCGGCGAG	+	2	1	25	53.98	39.49
Chr5:62435814-62435836	62435830	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	a-CAGAGTcCGAcCaacCGGCGG	+	5	1	21	31.94	26.47
Chr5:144051759-144051781	144051776	3	DNA	GGCC-GAGGTGCACTACCGGCGNRG	GGcCTGAaGgGaaTACCGGCTGG	+	5	1	26	12.67	19.34
Chr7:61544299-61544321	61544305	4	DNA	GGC-CGAGGTGCACTACCGGCGNRG	GcCTcGAGGcCAcTACCGGCGG	+	4	1	13	24.78	18.89
Chr2:152062830-152062852	152062846	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaC-a-GTcCGTcCAaCcaCGGCGG	+	5	1	1	31.94	16.47
Chr10:84440789-84440811	84440794	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGAGGTGCAcCaCGGCGG	-	4	1	13	19.83	16.42
Chr10:106127836-106127858	106127852	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCa-GcGTGCAcCaCGGCGG	+	5	1	3	29.19	16.10
Chr2:37363776-37363798	37363794	2	DNA	GGCC-GAGGTGCACTACCGGCGNRG	GGCCcATGTCGACTACCGGCGAGG	+	2	1	20	9.36	14.68
Chr5:69134156-69134178	69134163	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GG-gagcGcCTACCGGCGGG	-	5	2	26	0.00	13.00
Chr7:5864100-5864122	5864116	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTG-GgTACCGGCGG	+	4	1	10	14.87	12.44
Chr6:16630906-16630928	16630922	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCaCGGTGCGA-TACCGGCGGG	+	1	1	20	4.41	12.21
Chr3:33020604-33020626	33020609	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	HsGc-GGTGCAcCaCGGCGG	-	5	1	2	22.03	12.02
Chr1:259957715-25995773	25995772	3	X	GGCCGAGGTGCACTACCGGCGNRG	GGGCGAGTcTCAcCaCGGCGGG	+	4	0	21	2.00	11.60
Chr7:173232468-173232490	173232473	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCtAGTcGACTACCGGCGGG	+	3	1	11	11.57	11.29
Chr2:80845034-80845056	80845049	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CGAGcCGACTACCGGCGG	+	3	2	17	4.41	10.71
Chr10:101131469-101131491	101131487	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGcAG-CcTgCaCGGCGG	+	5	2	3	18.18	10.59
Chr7:119054025-119054047	119054032	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGcAGcCaT-CcCGGCGG	-	5	1	7	13.77	10.39
Chr3:232791371-232791393	232791387	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGcGTGCAcCaCGGCGG	+	4	1	16	16.52	10.26
Chr5:102819446-102819468	102819453	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-CGAGTcCGaactCCGCGAG	-	5	1	2	17.62	9.81
Chr1:17486818-17486840	17486825	5	DNA	GGC-CGAGTcCGACTACCGGCGNRG	GcCTCGAGGcCTcCGGCTGG	+	4	1	19	0.00	9.50
Chr4:245455294-245455316	245455298	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGgGaaTcCGGCGGG	-	5	1	0	18.73	9.37
Chr4:240239220-240239242	240239225	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cGGGTGCTGcAaCGGCGG	-	5	1	11	7.71	9.36
Chr2:44981747-44981769	44981754	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	aCGcATaTCAcTACC-gAG	-	5	2	18	0.00	9.00
Chr1:53187763-53187785	53187770	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCaATcTgGcCTA-gGcAG	+	5	2	18	0.00	9.00
Chr7:82662153-82662175	82662160	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtTCGcGAGcCT-CcCGGCGAG	-	5	1	18	0.00	9.00
Chr7:102664667-102664689	102664684	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCCGAGT-GcAGcCaCGaAGG	+	5	1	18	0.00	9.00
Chr9:54983896-54983918	54983902	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-gAGGcCAcTCCCGCGG	+	4	2	0	17.62	8.81
Chr3:152958354-152958376	152958369	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGgCGAaTtG-gTACCcCGCGG	+	5	2	0	17.62	8.81
Chr9:70745680-70745702	70745697	3	DNA	GGC-CGAGTcCGACTACCGGCGNRG	GcTCGAGGcGcTCCCGGCTGG	+	4	1	2	15.42	8.71
Chr2:19786781-19786803	19786783	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGAGTcCGACTACCGGCGG	+	4	1	10	7.16	8.58
Chr5:134414881-134414903	134414887	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCaCGAGTcCGCAaAt-CCGCGG	+	5	1	0	17.07	8.54
Chr1:25488084-25488106	25488101	3	DNA	GGC-CCGAGTcCGACTACCGGCGNRG	GTCCTCGAGTcCaAGcCaCGAGG	+	5	1	0	17.07	8.54
Chr4:100282684-100282706	100282690	4	X	GGCCGAGGTGCACTACCGGCGNRG	GgaaGAGTgTgCtAGcGGCTGG	-	5	0	0	17.07	8.54
Chr5:99134781-99134803	99134798	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCGcAGTcCaA-ACCcGcAG	+	5	2	17	0.00	8.50
Chr4:220583733-220583755	220583749	4	X	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGTcCGACTACCGGCGG	+	4	0	3	13.77	8.39
Chr2:56588382-56588404	56588398	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGcGTGCAcCaCGGCGG	+	5	1	0	16.52	8.26
Chr1:22858453-22858475	22858459	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGcGTGCAcCaCGGCGG	+	5	1	5	11.02	8.01
Chr2:59843341-59843363	59843348	5	DNA	GGC-CGAGTcCGACTACCGGCGNRG	GGCTGCGAGcCaTcTcCGGCGG	-	5	2	16	0.00	8.00
Chr5:90344751-90344773	90344768	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGTcCGACTACCGGCGG	+	5	1	16	0.00	8.00
Chr2:146608744-146608766	146608760	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGTcCGACTACCGGCGG	+	5	1	0	15.97	7.99
Chr2:5242323-5242325	5242320	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGcGAGcCaACTCCCGCGG	+	5	1	0	15.97	7.99
Chr7:19666173-19666195	19666188	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-HGgAGTACCGGCTGG	+	5	2	6	9.91	7.96
Chr2:187376830-187376852	187376848	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CacGgCGAGaCCCGCGAG	+	5	2	8	7.71	7.86
Chr6:42796472-42796494	42796478	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CcCAAGTcCAcTcCGCTGG	+	5	1	9	6.61	7.81
Chr4:132703610-132703632	132703628	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGgAGAGTgGA-aCGGcAGG	+	5	2	0	15.42	7.71
Chr6:82325146-82325168	82325152	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-tcGgAGTcCGACTCGGCGG	+	5	2	0	15.42	7.71
Chr2:5765992-5765614	5765610	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-aGgGtAGTgGgCGGCGG	+	5	2	0	15.42	7.71
Chr8:102976801-102976823	102976819	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCGGAGTcCGAC-gGaaAGG	+	5	2	0	15.42	7.71
Chr8:9026657-9026679	9026675	5	DNA	GGC-CGAGTcCGACTACCGGCGNRG	GGCTCtGgGgCAcCaCGGCGG	+	5	2	0	15.42	7.71
Chr1:29132869-29132891	29132874	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCaG-gGTGAGcCaCGGCGG	+	5	1	0	15.42	7.71
Chr3:147799367-147799389	147799362	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGTcCGACTACCGGCGG	+	4	1	0	15.42	7.71
Chr6:133774274-133774296	133774291	3	DNA	GGC-CGAGTcCGACTACCGGCGNRG	GcTCGAGGcGcTCCCGGCTGG	+	4	1	11	4.41	7.71
Chr7:101947601-101947623	101947608	5	DNA	GGC-CGAGTcCGACTACCGGCGNRG	GGCGGgGcTcGCAcTcCGGCGAG	-	5	1	0	15.42	7.50
Chr5:190861491-190861513	190861498	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcTcGtGtTcGACT-CCGGCTGG	-	5	1	15	0.00	7.50
Chr8:137765681-137765703	137765688	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GTCcCAaAaT-aATACCGGaaAG	+	5	2	15	0.00	7.50
Chr7:108353924-108353946	108353941	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	tGCCAGcCaGcCAcTcCGG	+	5	2	15	0.00	7.50
Chr3:2742482-2742504	2742489	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	aGCaGAGTgGACTCGAaCGGCGAG	-	4	2	0	15.42	7.50
Chr2:22811375-22811397	22811382	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCCGAGGtGtCG-cGGGCTGG	-	5	1	15	0.00	7.50
Chr2:139725408-139725430	139725425	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCaTgGTGCACTAttc-CCAG	+	5	1	0	14.87	7.44
Chr7:42529888-42529910	42529903	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	aGc-HSTgAGTcCGACTCGG	+	5	2	0	14.87	7.44
Chr5:183185433-183185455	183185438	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGTcCGACTACCGGCGG	+	3	1	0	14.87	7.44
Chr4:202796965-202796987	202796980	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	HCCc-GTcCAcTACCGGCGGG	+	4	2	1	13.77	7.39
Chr4:142294326-142294348	142294343	3	DNA	GGC-CGAGTcCGACTACCGGCGNRG	GcTCGAGGcGcTCCCGGCTGG	+	4	1	4	10.46	7.23
Chr5:167972398-167972420	167972402	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGCGA-TcGAGAcCaTcCGGCGG	+	5	2	0	14.32	7.16
Chr2:23885968-23885990	23885984	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCaGAGGcGaaT-CCGGCGGG	+	3	1	0	14.32	7.16
Chr8:167939418-167939440	167939422	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GG-gAGATgACTCCGAGCGG	-	5	2	0	14.32	7.16
Chr4:178023389-178023411	178023407	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	t-CGcGTCGcTAAcCGGCGG	-	5	2	0	14.32	7.16
Chr2:85683422-85683444	85683428	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcTcAGG-CGAGTACCGGCGG	-	5	1	0	14.32	7.16
Chr1:189492830-189492852	189492835	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcTcGgGTgGAT-aCCGCGAGG	-	5	2	0	14.32	7.16
Chr5:20973451-20973473	20973468	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-CaAGTcCGACTACCGGCGG	+	5	2	0	14.32	7.16
Chr10:14295448-142954470	142954465	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGTcCGACTACCGGCGG	+	5	2	14	0.00	7.00
Chr7:165223993-165224015	165224010	3	DNA	G-GCCAGGTGCACTACCGGCGNRG	GTACCAGGcCGcGAGcTcGGCGAG	+	5	2	14	0.00	7.00
Chr4:220064080-22006402	220064097	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	tGCCAGTcTgTcTCCCGCGG	+	5	1	14	0.00	7.00
Chr8:93987706-93987728	93987723	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCcGcAGcGgCGcACC-CGGG	+	5	2	14	0.00	7.00
Chr7:125135211-125135233	125135216	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCaAGTcCGACTACCGGCGG	+	5	1	5	8.81	6.91
Chr6:77861766-77861788	77861782	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-tcGgACTACCGGCGG	+	5	2	0	13.77	6.89
Chr2:18015029-18015051	18015033	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGcTgAGTAAcCGGCGG	+	4	1	0	13.7	

Chr6:47560230-47560252	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGAGtTCaCaCgaGCGGG	+	5	1	0	12.12	6.06
Chr1:113110081-113110103	5	DNA	GGCCGAGGTGCACT-ACCGGCGNRG	GGCTCGGAGCACTCaCaGtGGG	-	5	1	0	12.12	6.06
Chr8:56668510-56668528	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	aGGCCAG-G-CACTcGtCGTGG	+	5	2	0	12.12	6.06
Chr3:158346111-158346133	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGCGtGtGc-CgGGCGGG	+	5	2	0	12.12	6.06
Chr6:160184621-160184643	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCC-AGGTCTtCTTcCaGcAGG	+	5	1	0	12.12	6.06
Chr9:10953816-10953818	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aGAGGtGtGtGtGtGGGGGG	+	4	1	0	12.12	6.06
Chr5:17487623-17487645	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGAGTGCaCaCgGcGGG	+	4	1	0	12.12	6.06
Chr6:101731284-101731306	4	DNA	GCC-CCGAGTGCAGTACCGGCGNRG	GcCTCGAGGtGcTCTCCGGCGGG	-	5	1	0	12.12	6.06
Chr8:153226687-153226709	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	tTCcGAGTCTGATtG-GGGCGG	-	5	2	0	12.12	6.06
Chr3:42113853-42113875	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGcGcGAGtA-GaCGAG	+	5	2	0	12.12	6.06
Chr1:164563816-164563838	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCaAGAGT-GaCgCGGgaGAG	+	4	1	0	12.12	6.06
Chr6:67380621-67380643	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACT-CCGGCGAG	+	3	1	12	0.00	6.00
Chr9:79804613-79804635	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGaGAGtGCa-TACCGCGGG	+	4	2	12	0.00	6.00
Chr2:57971352-57971374	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGaGAG-GcGtACaGgCGGG	+	5	2	12	0.00	6.00
Chr6:75926787-75926809	3	DNA	G-CCCGAGTGCAGTACCGGCGNRG	GTCTCGAGtCGcTAgCTGGCGG	+	5	1	12	0.00	6.00
Chr9:105659733-105659755	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTAcGtGGGG	-	4	2	12	0.00	6.00
Chr5:24959542-24959564	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GG-CGAGGtGtGtGtGGGGGG	-	4	2	12	0.00	6.00
Chr1:163300941-163300963	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtGcCGcGAG-C-CTACGGCAGG	+	5	1	12	0.00	6.00
Chr7:152918617-15291889	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	cGcCaAGTGCAGCaCGcCGG	+	5	1	12	0.00	6.00
Chr9:133680153-133680175	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCaAGGTGCG-TcCaGtTGG	+	5	2	12	0.00	6.00
Chr6:66171617-66171639	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGtGTCAGCaCgGcGGG	+	5	1	12	0.00	6.00
Chr6:93690437-93690459	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	ITCCGAGCaG-ACtTcGtGgAG	+	5	1	12	0.00	6.00
Chr1:122673697-122673719	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGaGc-ACtTcCaGtAG	-	5	2	12	0.00	6.00
Chr4:80762391-80762413	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGtGTCAGCaCgGcGGG	+	5	1	12	0.00	6.00
Chr3:4545233-4545255	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCgGGTGCAGCaCgGcGGG	-	5	1	12	0.00	6.00
Chr4:108794616-108794638	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	IGtGt-tTgTACTAGcTGGGG	+	5	1	12	0.00	6.00
Chr7:12807244-12807266	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGAGTGCaCaCgGcGGG	+	5	1	12	0.00	6.00
Chr2:51154691-51154713	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCG-GGTGTCAGcAGGtGGG	-	4	1	12	0.00	6.00
Chr4:11615160-11615182	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGGGAGGTgGtGcG-A-GGCTGG	+	5	2	12	0.00	6.00
Chr2:6101136-6101158	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGcCaAGTGCAGgA-GHcAG	+	5	2	12	0.00	6.00
Chr4:114880759-114880781	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCa-AGGTGCAGcGtGtGAG	+	5	1	12	0.00	6.00
Chr8:27801455-27801477	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGAGTGCAGtCaCgGcGGG	-	5	1	12	0.00	6.00
Chr5:120860746-120860768	2	DNA	GGCCGAGGTGCACT-CCGGCGNRG	GtGcAGGtGcGtTcACGCGGGG	+	5	1	5	6.61	5.81
Chr2:154881381-154881403	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	aGcAGtGCTCCAGT-GGCCGG	+	4	1	11	5.79	5.79
Chr3:199019683-199019705	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-tcGgTGCAGCaGtGGG	-	5	2	0	11.57	5.79
Chr4:113372151-113372173	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	12	0.00	6.00
Chr6:154812669-154812691	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCaAGTGCAGCaCgGcGGG	+	5	1	12	0.00	6.00
Chr4:159335495-159335517	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCcAGc-GACTACGtCTGG	-	5	2	0	11.57	5.79
Chr8:93012665-93012687	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGGTGCAGCaCgGcGGG	+	5	1	0	11.57	5.79
Chr4:140692052-140692074	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCC-AGGTGCAGTcAGgAGG	+	5	1	0	11.57	5.79
Chr3:232121528-232121550	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	TG-GAGGagAGCaCCGGCTAG	+	5	2	0	11.57	5.79
Chr1:180423414-180423436	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCC-HGcGtTACCGGCTGG	+	5	2	0	11.57	5.79
Chr5:208880944-208880966	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGcGgGtAGtGcCT-CCGcAG	+	5	2	0	11.57	5.79
Chr7:2295613-2295615	5	DNA	GGCCGAGGTGCACT-CCGGCGNRG	GGcGgGtTgTACTACTCCGGCGAG	-	5	2	11	0.55	5.78
Chr8:161124161-161124183	4	DNA	GCC-CCGAGTGCAGTACCGGCGNRG	GcCTCGAGGtGtTCTCCGGCTGG	-	4	1	6	5.51	5.76
Chr4:3340700-3340722	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	2	5.51	5.76
Chr2:145249710-145249732	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtGcGcAGCaGcGc-AgCGcAG	+	5	1	6	9.36	5.68
Chr4:154376219-154376241	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCGAGtTCG-cAGCaCAAG	-	5	2	8	3.30	5.65
Chr6:144813984-144814006	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcTcGAGTGACTTc-GGAtGG	+	5	2	10	1.10	5.55
Chr2:169106015-169106037	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-IGAGGtAaTcAaCCGGCAGG	+	5	2	5	6.06	5.53
Chr1:80652535-80652557	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCa-GctcAGCaCgGtGG	-	5	2	0	11.02	5.51
Chr4:130428771-130428793	3	DNA	GCC-CCGAGTGCAGTACCGGCGNRG	GcCTCGAGGtGtTCTCCGGCTGG	+	4	1	0	11.02	5.51
Chr5:197998205-197998227	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGcGgGtGcGtAGtGc-GaAGG	+	5	2	0	11.02	5.51
Chr7:105179774-105179796	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	11.02	5.51
Chr10:12176696-12176718	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCTCGgGcGAGg-CCGcGAG	+	5	2	0	11.02	5.51
Chr9:10406323-10406345	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgG-AGGcAGTGCAGcGGG	+	5	2	0	11.02	5.51
Chr8:127021243-127021265	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGGTGCAGCaCgGcGGG	+	5	2	0	11.02	5.51
Chr4:177107054-177107076	4	DNA	GCC-CCGAGTGCAGTACCGGCGNRG	GGTCCAGGtGcAGtGcAGcGGAG	+	4	1	0	11.02	5.51
Chr9:82008064-82008086	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGaGAGGtGCG-cAGgGcAGG	+	5	2	0	11.02	5.51
Chr2:118622125-118622147	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGtTCG-cAtCaCAAG	-	5	2	0	11.02	5.51
Chr10:150131590-150131612	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGcCGcAGCaCgGcGGG	-	5	2	0	11.02	5.51
Chr10:27044129-27044151	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGcGtGcGcGtGc-CCAG	+	5	2	0	11.02	5.51
Chr5:75886405-75886427	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-tcGgGtACTCGGCTGG	+	5	2	0	11.02	5.51
Chr4:215783270-215783292	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGgGtGcAGC-CgGGCGGG	-	4	2	0	11.02	5.51
Chr10:93909137-93909159	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaC-AGTTCGAGTACTCtGtGG	+	5	1	0	11.02	5.51
Chr10:70309314-70309336	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	11.02	5.51
Chr1:30966896-30966918	4	DNA	GGCCGA-GGTGCACTACCGGCGNRG	GCaAGTGGcCGcAGCaGGAAG	+	5	1	0	11.02	5.51
Chr8:154260387-154260409	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	aJCCGtGHTCGACTACC-CCGG	-	3	2	11	0.00	5.50
Chr4:210393287-210393309	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCaGAGGcGc-ActATCtGCTGG	-	3	1	11	0.00	5.50
Chr4:82363661-82363683	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGcAGAGTGA-CTcCGGtGAG	+	5	1	11	0.00	5.50
Chr8:152619574-152619596	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCCAGGc-GaCgCaCaGgAGG	+	5	1	11	0.00	5.50
Chr10:40287830-40287852	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	caCCGAGTtGgAGtA-GaAGG	+	5	2	11	0.00	5.50
Chr4:46003613-46003635	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaGcAG-TGtCaCaCgGcCAG	-	5	1	11	0.00	5.50
Chr5:49117147-49117169	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGCaCgAggACC-CAAG	+	4	2	11	0.00	5.50
Chr1:121497457-121497479	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtGcG-GtTCGcAGCTCGCGG	+	5	2	11	0.00	5.50
Chr2:224654159-22465481	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	aGcGAGGtGcAGT-TCAGCGGG	+	5	2	11	0.00	5.50
Chr8:162432545-162432567	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	tCGcTCCAG-CCGAGCaCtGcAGG	+	5	2	11	0.00	5.50
Chr6:161132228-161132250	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	IgGcGtGCTCTTACC-CCAGG	-	5	2	0	0.00	5.50
Chr5:178967961-178967983	3	DNA	GGCCG-AGTGCAGTACCGGCGNRG	ITGCGAAGTAgGtTCCGGCTAG	+	5	2	0	0.00	5.50
Chr1:71210030-71210052	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCaGcGtGcAGC-AGcGgGcGG	+	4	1	11	0.00	5.50
Chr9:65874133-65874155	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGGTGtGgGcActcCGCGG	-	5	2	11	0.00	5.50
Chr8:52557746-52557768	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	cCGCCAGG-GAGtTcCaGcAGG	+	4	2	11	0.00	5.50
Chr7:145657742-145657764	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtTcGtGtTGAcCaCCGGCGGG	-	5	1	11	0.00	5.50
Chr6:71767056-71767078	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGcAGtGc-GACTACaGcAGG	+	4	1	11	0.00	5.50
Chr6:97576679-97576701	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCC-tcGgGtGAGACTCtGtGG	+	5	2	11	0.00	5.50
Chr1:217388216-217388238	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	11	0.00	5.50
Chr1:85262125-85262147	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCcAGGtGcGA-ACtGgTGG	+	5	2	11	0.00	5.50
Chr7:77522872-77522894	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaGcTl-TCAAGtAGcGGCAGG	-	5	2	3	7.71	5.36
Chr6:49789848-49789870	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCcAGGtGcCaACcAC-rtGG	-	5	2	4	6.61	5.31
Chr9:58610543-58610565	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGtGcGCT-CAgGCGG	+	4	2	10	5.28	5.28
Chr10:64036763-64036785	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGGcCGAGcActcCGCGG	+	5	2	0	10.46	5.23
Chr8:11633727-11633749	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-tcGgGtACTACCGGCGG	-	5	2	0	10.46	5.23
Chr2:194946823-194946845	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGGcCGAGcActcCGCGG	-	5	2	0	10.46	5.23
Chr10:5403108-5403130	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCGAGGtGcGATcTcCGGCTGG	+	4	1	0	10.46	5.23
Chr9:52767017-52767039	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCCGAGTCTGtGtT-CCGGCG	-	5	2	0	10.46	5.23
Chr10:99887435-99887457	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CCAGTtGtGtGtGtGcAGG	+	5	1	0	10.46	5.23
Chr4:35078794-35078816	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGcGc-GGcCaActcCGCGGG	+	5	1	0	10.46	5.23
Chr4:42312088-42312110	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCaAGGc-CACTAcCaGcAGG	+	5	1	0	10.46	5.23
Chr9:15636985-156369707	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGcG-GGcCaActcCGCGGG	+	5	1	0	10.46	5.23
Chr2:152782016-152782038	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	a-CGcAGcGAGCaCCGGCAG	+	4	2	0	10.46	5.23
Chr6:125744945-125744967	5	RNA	GGCC							



Chr1:117864051-117864073	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGTcAgC-GgGGCCGG	+	4	2	10	0.00	5.00
Chr1:106937550-106937572	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGgCaACcACC-gTGG	+	5	2	10	0.00	5.00
Chr7:178519715-178519737	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GTCCG-GaaAaTACCGGAG	-	5	2	10	0.00	5.00
Chr3:98731345-98731357	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GTCCG-gTgCACCAGGCaAG	-	5	2	10	0.00	5.00
Chr1:286311129-286311151	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCGaAGGTtGaaA-GGCGAG	+	5	2	10	0.00	5.00
Chr8:157911346-157911368	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CcCGGAGGTgAGTACCGAG	+	5	1	10	0.00	5.00
Chr6:53635479-53635501	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CGAGGtCGAGgAGgCTGG	+	5	2	10	0.00	5.00
Chr6:123490784-123490806	5	RNA	GGCCGAGGTGCACTACCGGCRNG	gCaCaAG-GCaaAgcCCGCTGG	-	5	2	10	0.00	5.00
Chr10:13540353-13540375	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GHtCGGtGT-AGtTACCGCTGG	+	5	1	10	0.00	5.00
Chr1:195438829-195438851	3	RNA	GGCCGAGGTGCACTACCGGCRNG	aaCCGAGGCaAG-AcCCGCTAG	+	5	2	10	0.00	5.00
Chr10:39102347-39102369	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GHtCGGtTCGAC-AGgAGCTGG	-	5	1	10	0.00	5.00
Chr2:164611581-164611603	5	RNA	GGCCGAGGTGCACTACCGGCRNG	atTCGtGGT-GCaACCGCGGG	-	5	1	10	0.00	5.00
Chr4:45652247-45652269	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCGaCACCGCGGG	-	3	2	10	0.00	5.00
Chr6:97520676-97520698	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCG-gGcGtCCaACCGCGGG	+	4	1	10	0.00	5.00
Chr7:147283183-147283205	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGGtGATtACCGCTGG	+	5	2	10	0.00	5.00
Chr1:439322-439324	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGtGcAGTcCGCGAG	+	5	1	10	0.00	5.00
Chr1:103542857-103542879	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGtGcAGtCCCGGAG	+	5	2	10	0.00	5.00
Chr6:140378297-140378319	4	RNA	GGCCGAGGTGCACTACCGGCRNG	caCCAGtGCAGTc-GGCGGG	-	5	2	10	0.91	4.96
Chr4:138289321-138289343	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGtTcTctcAGAGCGCG	+	5	2	10	0.91	4.96
Chr4:158402256-158402278	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GaGcG-GTcCaACCGtGAG	-	5	2	10	0.91	4.96
Chr2:204784597-204784619	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGAGAcctGAC-CCGtCAAG	+	5	2	10	0.91	4.96
Chr9:124699320-124699342	4	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCtAGGtGACTGtCCGGCTGG	-	5	2	10	0.91	4.96
Chr4:73619090-73619112	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGtGTCaCaAGgCGGG	+	5	1	10	0.91	4.96
Chr3:174099641-174099663	4	DNA	GGCCGAGGTGCACTACCGGCRNG	GtCGAGGtGtGACTaCGGCTAG	+	5	1	10	0.91	4.96
Chr3:9653646-9653668	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGG-gGtAGtGACTGG	-	5	2	10	0.91	4.96
Chr4:130192593-130192615	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-GtGtGACTGtAGtGAG	+	5	2	10	0.91	4.96
Chr5:93537567-93537589	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGtTcTcTcCGGCTGG	+	4	1	10	0.91	4.96
Chr9:128563722-128563744	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGtGAGGtTCCGACTcTcTcCGAG	-	5	2	10	0.91	4.96
Chr3:170087571-170087593	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCGAGG-GCaAGCaAGG	-	5	1	10	0.91	4.96
Chr4:144380215-144380237	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGtGgTtGc-IGAG	+	5	2	10	0.91	4.96
Chr10:150293314-150293336	3	DNA	GGCCGAGGTGCACTACCGGCRNG	aaCaAGGtTCCAGCaAGgCAGG	+	5	2	10	0.91	4.96
Chr7:152524654-152524676	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCaGtGGTGG-TCCGaAGGG	+	5	2	10	0.91	4.96
Chr5:115554458-115554480	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGtAGTtCGA-ACcTgGGG	+	5	2	10	0.91	4.96
Chr6:150089663-150089685	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCC-AGTtCGAGgtCGCGGG	-	5	1	10	0.91	4.96
Chr5:60029242-60029264	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGtGtGtGAA-ACcGtCTAG	+	5	2	10	0.91	4.96
Chr7:17938984-17938986	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGAGGtGcAGtCaAGCGGG	+	4	2	10	0.91	4.96
Chr5:205219580-20521962	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-GAAGtCGAGtCCCGGG	+	4	2	10	0.91	4.96
Chr4:27992760-27992782	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGtGTCaCaAGgCGGG	+	5	1	10	0.91	4.96
Chr1:216532936-216532958	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGtGtGtGtA-TcCGTGG	+	5	2	10	0.91	4.96
Chr9:36909819-36909841	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GgAGtAGGtCaAC-ACcCaAGG	+	5	1	10	0.91	4.96
Chr5:67199808-67199830	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GgCGAGGtCGtCGCaAGGCGGG	+	5	2	1	8.81	4.91
Chr4:68033576-68033598	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tGtCaAGG-GACTACCGGCTGG	-	4	1	7	2.75	4.88
Chr1:247722181-247722203	4	RNA	GGCCGAGGTGCACTACCGGCRNG	a-CCGAGtGACTACcTCTGG	-	5	1	10	0.91	4.68
Chr10:88759429-88759451	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGtCGAAcGtCGGCTGG	+	4	1	10	0.91	4.68
Chr5:213831551-213831573	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGtGtGtGtGtGtCGCGGG	+	5	2	10	0.91	4.68
Chr1:521369710-521369732	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCG-GAGtGtGtGtGtGtGtGtG	+	4	2	10	0.91	4.68
Chr1:84496767-84496789	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GTCCG-gTgCaACCGGCaAG	+	5	2	10	0.91	4.68
Chr1:228514745-228514767	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGtGtGtA-TcTcCGAG	-	5	1	10	0.91	4.68
Chr1:2293685-2293707	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CcAGGtGtGtGtGtGtGtGtG	+	5	1	10	0.91	4.68
Chr10:16554047-16554069	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGtGTCaCaAGgCGGG	+	5	1	10	0.91	4.68
Chr9:14349986-14350008	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GG-AcTgCGAGtGtGtCGCaGAG	+	5	2	10	0.91	4.68
Chr1:158090635-158090657	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCGAGGtGtGtGtGtGtGtGtG	+	5	1	10	0.91	4.68
Chr1:154432586-154432608	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAG-GCtGtCaAGgCGGG	+	4	2	10	0.91	4.68
Chr2:161607900-161607922	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGtGtGtGtGtGtGtGtG	-	5	2	10	0.91	4.68
Chr4:64043402-64043424	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGtCGGtGtGtGtGtGtGtGtG	-	5	2	10	0.91	4.68
Chr1:146058732-146058754	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCtGtGtGtGtGtGtGtGtG	+	4	2	10	0.91	4.68
Chr8:22695348-22695370	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGAGtGtGtGtGtGtGtGtG	+	5	2	10	0.91	4.68
Chr1:3849157-3849179	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtAGtGtGtGtGtGtGtGtGtG	+	4	2	10	0.91	4.68
Chr4:238876534-238876556	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGtGtGtGtGtGtGtGtG	+	5	2	10	0.91	4.68
Chr8:78722620-78722642	2	RNA	GGCCGAGGTGCACTACCGGCRNG	tCCGAG-CaGtTaaCGCGAG	+	5	2	10	0.91	4.68
Chr4:144606847-144606869	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCCAGG-GCaAGCaAGG	+	5	1	10	0.91	4.68
Chr5:78742960-78742982	3	RNA	GGCCGAGGTGCACTACCGGCRNG	c-CGAGtGtGtGtGtGtGtGtG	+	5	2	10	0.91	4.68
Chr8:96590069-96590091	3	X	GGCCGAGGTGCACTACCGGCRNG	GtCCaAGGCaAGtCaCGCGGG	-	5	0	10	0.91	4.68
Chr1:163321856-163321878	2	RNA	GGCCGAGGTGCACTACCGGCRNG	tGtCGAGtGtGtGtGtGtGtGtG	+	5	2	10	0.91	4.68
Chr2:99680837-99680859	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-TCaCCaACCGGCaAG	+	5	1	10	0.91	4.68
Chr2:23191085-23191107	4	RNA	GGCCGAGGTGCACTACCGGCRNG	tCCCGAGGtGtGtGtGtGtGtGtG	+	5	2	10	0.91	4.68
Chr5:61784087-61784109	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGtGTCaCaAGgCGGG	+	5	1	10	0.91	4.68
Chr1:246411365-246411387	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGAHTGtGtGtGtGtGtGtG	-	5	2	10	0.91	4.68
Chr9:87557604-87557626	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GHtCGAGTtGtGtGtGtGtGtGtG	-	5	1	10	0.91	4.68
Chr7:138229160-138229182	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tcCGGtGtGtGtGtGtGtGtG	+	5	2	10	0.91	4.68
Chr4:139245577-139245599	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GaGCGAG-gCaACCGGCTGG	+	4	2	10	0.91	4.68
Chr3:98763891-98763913	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGaCGGtGtGtGtGtGtGtGtG	+	4	2	10	0.91	4.68
Chr8:69628163-69628185	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GtCGtCaTtGtGtTtCCCGGAGG	+	5	2	10	0.91	4.68
Chr7:11948366-11948388	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GTCCG-gTgCaACCGGAGT	+	5	2	10	0.91	4.68
Chr7:180826397-180826419	4	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCaAGGtGtGtGtGtGtGtGtG	-	5	1	10	0.91	4.68
Chr7:14948844-14948866	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGAGTtGtGtGtGtGtGtGtG	+	5	2	10	0.91	4.68
Chr1:74178877417909	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-gGtGtGtGtGtGtGtGtG	+	5	2	10	0.91	4.68
Chr6:118300599-118300621	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tGtGtGtGtGtGtGtGtG	-	5	2	10	0.91	4.68
Chr3:77262867-77262889	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGtGTCaCaAGgCGGG	+	5	1	10	0.91	4.68
Chr9:27097749-27097771	3	X	GGCCGAGGTGCACTACCGGCRNG	GaCGAGtGtGtGtGtGtGtGtG	+	5	0	10	0.91	4.68
Chr4:151090887-151090909	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGCaCaAGCaAGG	+	4	2	10	0.91	4.68
Chr4:141042986-141043008	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGtGTCaCaAGgCGGG	+	5	1	1	8.26	4.63
Chr2:40890230-40890252	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GtCCCGAGtCaACTACCGCGGG	+	4	1	3	6.06	4.53
Chr3:22778973-22778995	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCaAGGtGtGtGtGtGtGtGtG	-	5	1	3	6.06	4.53
Chr1:20944079-20944101	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGtCGAG-CtCGtCCCGGG	+	5	2	9	6.00	4.50
Chr1:103537851-10353803	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGTGCACTACCGGCRNG	+	5	2	9	6.00	4.50
Chr7:69146911-69146933	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGtGtGtGtGtGtGtGtG	+	4	2	9	0.00	4.50
Chr3:57766932-57766954	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGtCaAGGtGtGtGtGtGtGtG	+	5	1	9	0.00	4.50
Chr7:58504461-58504483	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGTtGtGtGtGtGtGtGtG	+	5	2	9	0.00	4.50
Chr7:113839294-113839316	3	RNA	GGCCGAGGTGCACTACCGGCRNG	aaCCGAGGtGtGtGtGtGtGtG	+	5	2	9	0.00	4.50
Chr2:79782349-79782371	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGcG-GGCaCCcCGCGGG	+	5	1	9	0.00	4.50
Chr9:149956927-149956949	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGtCGGtGtGtGtGtGtGtG	+	5	2	9	0.00	4.50
Chr6:40897005-40897027	5	RNA	GGCCGAGGTGCACTACCGGCRNG	t-CGAGTtCaACTCaAGCGGG	+	5	2	9	0.00	4.50
Chr6:98810749-98810771	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGAGTtGtGtGtGtGtGtG	-	3	1	9	0.00	4.50
Chr10:73879415-73879437	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGtGtGtGtGtGtGtGtG	+	5	2	9	0.00	4.50
Chr4:65946711-65946733	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGtGtGtGtGtGtGtGtG	+	4	2	9	0.00	4.50
Chr8:132746557-132746679	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGtGtGtGtGtGtGtGtG	-	4	2	9	0.00	4.50
Chr5:16072605-16072627	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tGC-AaGtTaaCaACCGCGGG	+	5	2	9	0.00	4.50
Chr2:216933376-216933398	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGtGtGtGtGtGtGtG	+	5	2	9	0.00	4.50
Chr1:3030226-3030248	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCaAGTtGtGtGtGtGtGtG	-	5	2	9	0.00	4.50
Chr3:162654656-162654678	3	DNA	GGCCGAGGTGCACTACCGGCRNG	tGCAG						

Chr2:202024331-202024353	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-tcGgGACTACCGTGG	+	5	2	9	0.00	4.50
Chr5:209656316-209656338	4	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCtctGCTGCTT-GGCCAG	-	5	2	0	8.81	4.41
Chr7:73014290-73014321	3	RNA	GGCCGAGGTGCACTACCGGNGR	aGCCAGGgG-CgCaACtCGTGG	-	4	1	0	8.81	4.41
Chr10:83133264-83133286	3	RNA	GGCCGAGGTGCACTACCGGNGR	G-CIAGTTCGgACCGTCCGG	+	5	2	0	8.81	4.41
Chr5:188279279-188279301	3	DNA	GGCCGAGGTGCACTACCGGNGR	gSctCGgGcGCACACCGCCGG	-	5	1	0	8.81	4.41
Chr10:11351315-11351337	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-tcGgGACTACCGTGG	-	4	1	0	8.81	4.41
Chr8:107236058-107236080	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-tcGgGACTACCGTGG	-	4	2	0	8.81	4.41
Chr7:92808129-92808147	2	RNA	GGCCGAGGTGCACTACCGGNGR	GCCaHgcCACTACCC-CAGG	+	5	2	0	8.81	4.41
Chr6:112250306-112250328	2	RNA	GGCCGAGGTGCACTACCGGNGR	GGCC-gTgCAcACCGGcAG	+	5	2	0	8.81	4.41
Chr5:147641274-147641296	3	X	GGCCGAGGTGCACTACCGGNGR	GGaCAGGTG-GaCAcAgCaGAG	+	5	0	0	8.81	4.41
Chr4:176279491-176279513	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGCC-gTgCAcACCGGcAG	-	5	2	0	8.81	4.41
Chr8:78639353-78639375	3	RNA	GGCCGAGGTGCACTACCGGNGR	G-aCGgGTGcGcAGcAgCGGG	-	5	1	0	8.81	4.41
Chr1:5942859-5942881	4	RNA	GGCCGAGGTGCACTACCGGNGR	G-CGcAGGTGcGcTACCGGAGG	-	3	1	0	8.81	4.41
Chr1:231826861-231826883	4	RNA	GGCCGAGGTGCACTACCGGNGR	tCCGtACTCGACTA-IGCTGG	+	5	2	0	8.81	4.41
Chr1:16074689-16074711	5	RNA	GGCCGAGGTGCACTACCGGNGR	cCCCGcGTGcGtTA-GTCTGG	+	5	2	0	8.81	4.41
Chr5:85731455-85731477	4	RNA	GGCCGAGGTGCACTACCGGNGR	G-aCGgGTGcGcAGcAgCGGG	+	5	1	0	8.81	4.41
Chr2:193924808-193924830	4	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCG-GGcCAcCAcCGCCGG	+	5	1	0	8.81	4.41
Chr8:134545370-134545392	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCAGGgGcCT-CgGcTGG	-	4	1	0	8.81	4.41
Chr4:109407677-109407699	4	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCaTcTG-G-TAgCaCAAG	-	5	2	0	8.81	4.41
Chr7:54629060-54629082	4	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-GAGGTGcGcCAcCaGgAG	+	4	1	0	8.81	4.41
Chr4:101066696-101066718	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCAGGcGCA-ActGtGGG	+	5	2	0	8.81	4.41
Chr7:100980934-100980956	3	RNA	GGCCGAGGTGCACTACCGGNGR	aaCaAGGT-ACTACGgAGAG	+	5	2	0	8.81	4.41
Chr2:205897453-205897475	2	RNA	GGCCGAGGTGCACTACCGGNGR	GaCCAGG-CGcAgCaGgAGG	+	5	1	0	8.81	4.41
Chr3:83773525-83773547	5	RNA	GGCCGAGGTGCACTACCGGNGR	IGcGGG-GAgTAgcGcCGAG	-	5	2	0	8.81	4.41
Chr7:5414793-5414815	5	RNA	GGCCGAGGTGCACTACCGGNGR	GaC-HGtGtACTACCGGcAGG	+	5	2	0	8.81	4.41
Chr1:82848845-182848867	5	RNA	GGCCGAGGTGCACTACCGGNGR	aaCaAGGTGcGcCAcCaGgAGG	+	5	1	0	8.81	4.41
Chr1:26682847-26682869	3	RNA	GGCCGAGGTGCACTACCGGNGR	GgCAGGTGcGcAg-GcTGG	+	4	2	0	8.81	4.41
Chr8:165249561-165249583	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCa-GTCCAGTAgGtGGTGG	+	4	2	0	8.81	4.41
Chr2:143611350-143611372	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGCC-gTgCAcACCGGcAG	+	5	2	0	8.81	4.41
Chr1:17167918-17167940	5	DNA	G-GCCGAGGTGCACTACCGGNGR	GGCCcAGGTGcGgGgACCGcCGG	+	5	1	0	8.81	4.41
Chr3:141127837-141127859	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCGAGtG-G-TgCgCAGG	-	5	2	0	8.81	4.41
Chr1:121275645-121275667	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGG-GAGcAGaActCCGCGAG	-	5	2	7	1.65	4.33
Chr1:27905964-27905986	4	RNA	GGCCGAGGTGCACTACCGGNGR	G-aCGgGTGcGcAGcAgCGGG	+	5	1	8	0.55	4.28
Chr4:67266523-67266545	2	DNA	GGCCGAGGTGCACTACCGGNGR	cGcCGAGTACGaaActCCGCGAG	+	5	1	8	0.55	4.28
Chr9:96888831-96888853	3	RNA	GGCCGAGGTGCACTACCGGNGR	cCCTAGGTGcGtTg-CGAG	+	4	2	3	5.51	4.26
Chr2:93712420-93712442	3	DNA	GGCCGAGGTGCACTACCGGNGR	cCCAGGTGcGcCAcCaGgAGG	+	5	1	3	5.51	4.26
Chr3:176910066-176910088	3	RNA	GGCCGAGGTGCACTACCGGNGR	GgCAGGcAGTCACTAG-CAGG	-	3	1	5	3.30	4.15
Chr10:96088780-96088802	4	X	GGCCGAGGTGCACTACCGGNGR	GaCCAGGgGgAaTAcCGcTGG	-	5	0	5	3.30	4.15
Chr6:83243418-83243440	5	DNA	GGCCGAGGTGCACTACCGGNGR	GGCgGgTgTgAaTACTCGcTAG	+	5	2	0	3.30	4.13
Chr8:126721138-126721160	4	DNA	GGCCGAGGTGCACTACCGGNGR	GGCCAGTGTGcGcAGcAgGAG	+	5	1	0	8.26	4.13
Chr8:78342334-78342356	3	RNA	GGCCGAGGTGCACTACCGGNGR	G-aCGgGTGcGcAGcAgCGGG	-	5	1	0	8.26	4.13
Chr10:23777922-23777944	4	RNA	GGCCGAGGTGCACTACCGGNGR	GGCAGGTGcGc-CaGtTGG	+	5	2	0	8.26	4.13
Chr8:84425660-84425682	5	RNA	GGCCGAGGTGCACTACCGGNGR	G-aGgGTGcGcAGcAgCGGG	+	5	2	0	8.26	4.13
Chr5:121247559-121247581	5	RNA	GGCCGAGGTGCACTACCGGNGR	IGaCGAGGtGg-TAgCGGcAGG	+	5	2	0	8.26	4.13
Chr10:56056617-56056639	3	RNA	GGCCGAGGTGCACTACCGGNGR	GaCCGgGTGcGCa-CGcGTGG	+	5	2	0	8.26	4.13
Chr10:9235059-92350611	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-AGcGAGTgGcCAcCGCGAG	+	5	2	0	8.26	4.13
Chr7:160511260-160511282	3	RNA	GGCCGAGGTGCACTACCGGNGR	GaCCAGGgGgAGTAcC-CAGG	+	5	2	0	8.26	4.13
Chr1:126987078-126987100	2	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-AGGcTCAcCAcCGGcGG	+	5	2	0	8.26	4.13
Chr2:3657200-3657222	4	RNA	GGCCGAGGTGCACTACCGGNGR	G-CGcAGGcCAcCTcGgCGGG	+	5	1	0	8.26	4.13
Chr4:81670489-81670511	2	RNA	GGCCGAGGTGCACTACCGGNGR	GGCaAGGTG-GAGcAaCGgGAG	+	5	1	0	8.26	4.13
Chr7:83863920-83863942	2	RNA	GGCCGAGGTGCACTACCGGNGR	GcCC-gTCCAGcTCCGCGAG	-	5	2	0	8.26	4.13
Chr1:8847411-8847433	4	RNA	GGCCGAGGTGCACTACCGGNGR	GaCAGGAGTcGcAGcAgCGGG	+	5	2	0	8.26	4.13
Chr1:168799184-168799206	3	DNA	GGCCGAGGTGCACTACCGGNGR	GcTCAAGGtGcGtTCCGCTGG	+	4	1	0	8.26	4.13
Chr3:28133551-28133573	4	RNA	GGCCGAGGTGCACTACCGGNGR	GGaCGAGGTGcGcCAcCGCGGG	+	4	2	0	8.26	4.13
Chr10:85106064-85106086	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-AGcctCAcCTCCGCGGG	+	4	2	0	8.26	4.13
Chr1:9346070-9346092	3	RNA	GGCCGAGGTGCACTACCGGNGR	GgCAGGcAGTCAcCGCGAG	+	5	2	0	8.26	4.13
Chr10:87882332-87882354	5	RNA	GGCCGAGGTGCACTACCGGNGR	GcCAGcAGc-GACTACCGTGG	+	4	2	0	8.26	4.13
Chr4:22819996-22820018	5	RNA	GGCCGAGGTGCACTACCGGNGR	GgCAGGAGTcGcTtCC-CAGG	+	5	2	0	8.26	4.13
Chr5:148957471-148957493	4	RNA	GGCCGAGGTGCACTACCGGNGR	GtGtAGTcGcGcCTGcCC-CGGG	+	5	2	0	8.26	4.13
Chr6:96825790-96825812	5	DNA	GGC-CGAGGTGCACTACCGGNGR	GcCTGgGgAGTcTCCGCTGG	+	5	1	0	8.26	4.13
Chr9:25819071-25819093	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-HtGgGACTACCGTGG	+	5	2	0	8.26	4.13
Chr1:28667288-28667310	4	RNA	GGCCGAGGTGCACTACCGGNGR	cCCCGAGG-cAACTAgTgCCAG	+	5	1	0	8.26	4.13
Chr5:190521127-190521149	5	RNA	GGCCGAGGTGCACTACCGGNGR	GcCAGGcAGcAGC-CGcTAGG	-	5	2	0	8.26	4.13
Chr5:86294324-86294346	5	RNA	GGCCGAGGTGCACTACCGGNGR	IgCt-cTtGACTACCGGCTGG	+	5	1	0	8.26	4.13
Chr6:130743476-130743498	3	RNA	GGCCGAGGTGCACTACCGGNGR	G-CcGgGTGcGCa-CcGgGTGG	+	5	1	0	8.26	4.13
Chr1:12846165-12846187	2	RNA	GGCCGAGGTGCACTACCGGNGR	GGaCAGGAGT-GACTACCGGAG	+	5	2	0	8.26	4.13
Chr5:129459716-129459738	4	RNA	GGCCGAGGTGCACTACCGGNGR	G-aCGgGTGcGcAGcAgCGGG	+	5	1	0	8.26	4.13
Chr1:274397528-274397550	2	RNA	GGCCGAGGTGCACTACCGGNGR	GGCC-AGGcGcGcGgCCGCGGG	-	4	1	0	8.26	4.13
Chr10:3723842-3723864	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGCgGcGcGcG-C-aCCCGTGG	+	5	2	0	8.26	4.13
Chr9:12599199-12599221	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCcGcGT-GAGTCAcGgGAG	+	5	1	0	8.26	4.13
Chr7:80448651-80448673	2	DNA	GGC-CGAGGTGCACTACCGGNGR	GaCAACGgGTGcAGcAgCGGG	+	5	0	0	8.26	4.13
Chr8:95012880-95012902	4	RNA	GGCCGAGGTGCACTACCGGNGR	GtCCcGG-GaTaaCCCGCGAG	-	5	2	0	8.26	4.13
Chr8:142802791-142802813	3	RNA	GGCCGAGGTGCACTACCGGNGR	G-aCAGGTCAcCAcCGGcGGG	+	5	1	0	8.26	4.13
Chr3:28930689-28930711	2	RNA	GGCCGAGGTGCACTACCGGNGR	GGCC-gTgCAcACCGGAGT	+	5	2	0	8.26	4.13
Chr3:89804446-89804468	4	RNA	GGCCGAGGTGCACTACCGGNGR	GCC-HtGgGACTACCGGCTGG	-	3	2	0	8.26	4.13
Chr2:60165521-60165543	3	DNA	GGC-CGAGGTGCACTACCGGNGR	GaCaCGgGTGcGcAGcAgCGGG	+	5	2	0	8.26	4.13
Chr4:23772825-23772847	4	RNA	GGCCGAGGTGCACTACCGGNGR	GGC-CAGGcGcT-TgCCGAGG	+	5	2	0	8.26	4.13
Chr6:162934695-162934717	4	DNA	GGC-CGAGGTGCACTACCGGNGR	GcCTGAGGcATtTCCGCTGG	-	5	1	0	8.26	4.13
Chr1:223867058-223867080	5	DNA	GGC-CGAGGTGCACTACCGGNGR	GGCCTGgGgGtCAcCCCGGAG	+	5	2	0	8.26	4.13
Chr9:147054948-147054970	4	RNA	GGCCGAGGTGCACTACCGGNGR	G-aCGgGTGcGcAGcAgCGGG	+	5	1	0	8.26	4.13
Chr7:111060700-111060722	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGCC-gTgCAcACCGGcAG	+	5	2	0	8.26	4.13
Chr6:163883708-163883730	2	RNA	GGCCGAGGTGCACTACCGGNGR	GaCaAGGAGcGc-G-aCCGGAAG	+	5	2	0	8.26	4.13
Chr8:104410705-104410727	4	RNA	GGCCGAGGTGCACTACCGGNGR	GcCAGGcAGcAGC-CGcTAGG	-	5	2	0	8.26	4.13
Chr5:205212791-205212813	4	RNA	GGCCGAGGTGCACTACCGGNGR	G-CcCaAGTAcCAcCTCGCTGG	+	5	1	0	8.26	4.13
Chr10:15875069-15875091	3	RNA	GGCCGAGGTGCACTACCGGNGR	GaCaAGGTGcGcAGcAgCGGG	+	5	1	0	8.26	4.13
Chr7:43839142-43839164	4	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCGAGGcAGTAcCGGAG	+	5	2	0	8.26	4.13
Chr6:138881986-138882008	5	DNA	GGCCGAGGTGCACTACCGGNGR	GgCgAGGgGcCTTAgGcGCGGG	+	5	1	8	0.00	4.00
Chr1:137743674-137743696	3	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCGAGG-GgagTTCGcGCTGG	+	4	2	8	0.00	4.00
Chr5:54424582-54424604	5	RNA	GGCCGAGGTGCACTACCGGNGR	cCCCGAGG-AcCAcGgCGGG	-	5	2	8	0.00	4.00
Chr7:25947108-25947130	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCAGGTGcGcT-CgGcTAG	+	5	1	8	0.00	4.00
Chr2:205493225-205493247	3	RNA	GGCCGAGGTGCACTACCGGNGR	GtCtGgGT-GaCAcCCGCGAG	+	5	1	8	0.00	4.00
Chr6:135951500-135951522	5	RNA	GGCCGAGGTGCACTACCGGNGR	GaCAAGG-GACTAggAGTAG	+	5	2	8	0.00	4.00
Chr10:52256073-52256095	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCgGc-GCACTgGcGgAAGG	-	5	2	8	0.00	4.00
Chr8:20984843-20984865	5	RNA	GGCCGAGGTGCACTACCGGNGR	GtCtGgGT-GaCAcCCGCGGG	-	5	1	8	0.00	4.00
Chr10:122462295-122462317	3	RNA	GGCCGAGGTGCACTACCGGNGR	Gg-GaCgGTAGcAGcAgCGGG	+	5	2	8	0.00	4.00
Chr3:12624066-12624088	3	RNA	GGCCGAGGTGCACTACCGGNGR	a-CGgGTGcGcAGcAgCGGG	+	5	2	8	0.00	4.00
Chr3:76958153-76958175	5	RNA	GGCCGAGGTGCACTACCGGNGR	GGCCGAGGcAGC-TgCgGAGG	+	5	2	8	0.00	4.00
Chr9:65249312-65249334	3	RNA	GGCCGAGGTGCACTACCGGNGR	G-CAGGtGcAGGgGcGgTGG	+	5	2	8	0.00	4.00
Chr1:205586244-205586266	5	RNA	GGCCGAGGTGCACTACCGGNGR	GgC-GgGcGTGcAGcAgCGGG	-	4	1	8	0.00	4.00
Chr1:27030293-27030315	3	RNA	GGCCGAGGTGCACTACCGGNGR	G-GAGGAGcAGgAGcGgAGAG	+	5	2	8	0.00	4.00
Chr4:179369305-179369327	5	DNA	GGCCGAGGTGCACTACCGGNGR	aGCCAGGTGcGcT-AGcTAgCGGG	+	5	2	8	0.00	4.00
Chr2:97653979-97654001	3	DNA	GGCCGAGGTGCACTACCGGNGR	GcCCAGcTGCcTACCCCGTAG	+	5	2	8	0.00	4.00
Chr1:254800155-254800177	5	RNA	GGCCGAGGTGCACTACCGGNGR	G-CGtGcGcGc						

Chr8:18781622-18781644	5	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCaAGCGGCG-gACCGCGGG	-	5	2	8	0.00	4.00
Chr10:110702323-110702345	3	DNA	GGCCAGAGTGCATACCGGCRNG	GcTCCAGAGGCAcCccGGCGGG	+	5	1	8	0.00	4.00
Chr5:161945647-161945669	5	DNA	GGCCAGAGTGCATACCGGCRNG	GCCCGAGGTGCcTtCCaGCGAG	-	5	1	8	0.00	4.00
Chr1:194552141-194552163	3	RNA	GGCCAGAGTGCATACCGGCRNG	GG-GAGAGGgATaCgGGCAAG	+	5	2	8	0.00	4.00
Chr5:4113674-4113696	5	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCCGAGgAtAcAG-GCAGG	-	5	2	8	0.00	4.00
Chr8:14179679-14179686	5	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGAGTGCATACCGGCRNG	+	5	2	8	0.00	4.00
Chr10:91548575-91548597	3	RNA	GGCCAGAGTGCATACCGGCRNG	GGCC-gcGGGACTACCGGCTGG	+	4	2	8	0.00	4.00
Chr5:11905700-11905722	5	DNA	GGCCAGAGTGCATACCGGCRNG	cGCGCGAGTGCATACCGGCAAG	-	5	1	8	0.00	4.00
Chr6:3324436-3324458	3	DNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGAGTGCATACCGGCTGG	-	3	1	8	0.00	4.00
Chr5:102936921-102936943	3	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCGgG-TgPaACT-CCGaCTAG	+	5	1	0	7.71	3.86
Chr10:59019062-59019084	3	DNA	GGC-GAGGTTGCATACCGGCRNG	GaCAAGCGGTGCAGcAgaCGGGG	-	5	2	0	7.71	3.86
Chr5:22797751-22797773	5	DNA	GGCCAGAGTGCATACCGGCRNG	GgHgAGGTTGCTCTCCGGCAGG	-	5	2	0	7.71	3.86
Chr2:209209610-209209632	2	RNA	GGCCAGAGTGCATACCGGCRNG	aGCGGgGG-GAaTcCTGGCGGG	+	5	2	0	7.71	3.86
Chr2:42120543-42120565	4	RNA	GGCCAGAGTGCATACCGGCRNG	GGaCGAGTGG-TTcGGGCGGAG	+	5	2	0	7.71	3.86
Chr10:150122156-150122178	2	RNA	GGCCAGAGTGCATACCGGCRNG	aGCCAGAGTGCATGgGgGgG	-	4	1	0	7.71	3.86
Chr10:63152603-63152625	4	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-tGcGGACTACCGGCTGG	-	4	2	0	7.71	3.86
Chr3:188615147-188615169	3	RNA	GGCCAGAGTGCATACCGGCRNG	yGCCGAGTgAG-CACGCGGAG	+	5	2	0	7.71	3.86
Chr5:11129257-111129279	3	DNA	GGC-GAGGTTGCATACCGGCRNG	GcCTCGGgGgCaACcCGGGCGGG	-	5	2	0	7.71	3.86
Chr3:147343929-147343951	3	RNA	GGCCAGAGTGCATACCGGCRNG	eGAcGGGTGCAGCaC-GaGAG	+	5	2	0	7.71	3.86
Chr5:205698867-205698889	3	RNA	GGCCAGAGTGCATACCGGCRNG	GaCa-GGTGCAGCaCgAGGGG	-	5	1	0	7.71	3.86
Chr4:171574757-171574779	3	RNA	GGCCAGAGTGCATACCGGCRNG	G-aCGGGTGCAGCaCgAGGGG	-	5	1	0	7.71	3.86
Chr10:97282160-97282182	2	RNA	GGCCAGAGTGCATACCGGCRNG	Gg-GAGGTGGTgTgGgAGG	+	5	2	0	7.71	3.86
Chr7:10258808-10258830	5	RNA	GGCCAGAGTGCATACCGGCRNG	tGCTGAGTgGATtACC-tGAG	+	5	2	0	7.71	3.86
Chr10:129800836-129800858	3	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-tcGGGACTACCGGCTGG	-	4	2	0	7.71	3.86
Chr10:147635855-147635877	5	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-tcGGGACTACCGGCTGG	+	5	2	0	7.71	3.86
Chr1:10098373-10098395	2	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGAGTGCATACCGGCRNG	+	5	2	0	7.71	3.86
Chr10:139168803-139168825	2	DNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGAGTGCAGgGgGgCCTCGG	-	5	2	0	7.71	3.86
Chr2:66966821-66966843	2	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-AGTCGAGgAaCgAGCTGG	-	5	2	0	7.71	3.86
Chr3:212883751-212883773	2	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGC-gACTACCGGCTGG	+	3	2	0	7.71	3.86
Chr5:93592105-93592127	3	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGCgG-CtTgCCcCGG	-	5	2	0	7.71	3.86
Chr5:148721181-148721203	3	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCGtGGTgAG-AaCgGCGG	-	5	2	0	7.71	3.86
Chr2:35713287-35713309	5	RNA	GGCCAGAGTGCATACCGGCRNG	GgCtGgGgA-gACTACCGGgAGG	+	5	2	0	7.71	3.86
Chr5:123207231-123207253	2	RNA	GGCCAGAGTGCATACCGGCRNG	GgCtGgGtCA-gACTACCGGgAGG	-	5	2	0	7.71	3.86
Chr2:78413225-78413247	4	DNA	GGC-GAGGTTGCATACCGGCRNG	GgCCTCGGgGgCaACcCGGGCGGG	-	5	2	0	7.71	3.86
Chr3:39499815-39499837	3	RNA	GGCCAGAGTGCATACCGGCRNG	GgCaAGTGG-ACTTcGtGCGAG	-	5	2	0	7.71	3.86
Chr1:15122793-15122815	3	DNA	GGC-GAGGTTGCATACCGGCRNG	GCTCGgGtGGTcTCCGCTGGTGG	+	5	1	0	7.71	3.86
Chr10:128767734-128767756	5	RNA	GGCCAGAGTGCATACCGGCRNG	GgGcCG-GCaCAGcTCCCGGGGG	+	5	1	0	7.71	3.86
Chr2:182828126-182828148	3	RNA	GGCCAGAGTGCATACCGGCRNG	GTCGc-gTgCaACCGGAGAG	-	5	2	0	7.71	3.86
Chr2:126913098-126913120	3	RNA	GGCCAGAGTGCATACCGGCRNG	eGCCGAG-gTACCaACCGGATGG	-	5	1	0	7.71	3.86
Chr3:209871649-209871671	4	DNA	GGCCAGAGTGCATACCGGCRNG	GgGcCGGgTGGcGAGCaGGCGAG	-	5	2	0	7.71	3.86
Chr3:57466224-57466246	4	RNA	GGCCAGAGTGCATACCGGCRNG	GaCCAAGTCAACTACT-CAGG	+	5	2	0	7.71	3.86
Chr1:102297391-102297413	4	RNA	GGCCAGAGTGCATACCGGCRNG	GaCCAGGAGcTtTACC-aTGG	+	5	2	0	7.71	3.86
Chr1:129682246-129682268	3	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCGgGgGATACT-cGGGAGG	-	5	1	0	7.71	3.86
Chr7:52124860-52124882	5	RNA	GGCCAGAGTGCATACCGGCRNG	GgCGGgGgTGG-TgCGGGGGG	+	5	2	0	7.71	3.86
Chr10:53136815-53136837	5	RNA	GGCCAGAGTGCATACCGGCRNG	CaCAAGTCTGGcT-CGGCTAG	+	5	1	0	7.71	3.86
Chr3:8327638-83276406	4	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGAGTGCATACCGGCRNG	+	5	2	0	7.71	3.86
Chr2:145347124-145347146	5	RNA	GGCCAGAGTGCATACCGGCRNG	GgCAGTCTGCaCaC-gCGGG	+	5	2	0	7.71	3.86
Chr7:167250194-167250216	3	RNA	GGCCAGAGTGCATACCGGCRNG	GgGAGGgGg-GAGCgTGGCGGG	-	5	2	0	7.71	3.86
Chr5:201556778-201556800	5	RNA	GGCCAGAGTGCATACCGGCRNG	GgGCaAGGCGAGCgTCC-CGGG	-	5	2	0	7.71	3.86
Chr6:159401411-159401433	3	RNA	GGCCAGAGTGCATACCGGCRNG	G-aCGGGTGCAGCaCgAGGGG	-	5	1	0	7.71	3.86
Chr10:41545147-41545169	3	DNA	GGCCAGAGTGCATACCGGCRNG	GcCGAGgCaCaCAGcGCTGGCAG	-	5	2	0	7.71	3.86
Chr8:21977857-21977879	2	DNA	GGCCAGAGTGCATACCGGCRNG	GaCCAGGgTGCATACCGGCTGG	+	5	1	0	7.71	3.86
Chr7:41944476-41944498	3	RNA	GGCCAGAGTGCATACCGGCRNG	GtAcG-gTGAATACGGCGGG	-	5	2	0	7.71	3.86
Chr4:79739608-79739630	5	RNA	GGCCAGAGTGCATACCGGCRNG	GgGcCGGgTGGTCT-CGGGAGG	+	5	2	0	7.71	3.86
Chr7:20017349-20017371	4	RNA	GGCCAGAGTGCATACCGGCRNG	GtCaAGTTCGACaC-gCAGG	+	5	2	0	7.71	3.86
Chr5:13228441-13228463	3	DNA	GGC-GAGGTTGCATACCGGCRNG	GTCAGAGTCTGGTCA-gCTCGG	+	5	1	0	7.71	3.86
Chr6:83985168-83985190	2	RNA	GGCCAGAGTGCATACCGGCRNG	GaCAAGG-gGcGgCCGGAGG	+	4	2	0	7.71	3.86
Chr6:86858920-86858942	3	DNA	GGC-GAGGTTGCATACCGGCRNG	GgCTCGAHTTCAcACCGGCTGG	+	4	2	0	7.71	3.86
Chr10:28362556-28362578	4	RNA	GGCCAGAGTGCATACCGGCRNG	aGCTcGGGCGACTACT-CTAG	-	5	2	0	7.71	3.86
Chr2:39860358-39860380	3	RNA	GGCCAGAGTGCATACCGGCRNG	GgTcAGGcG-CtTCCCGGGG	-	5	2	0	7.71	3.86
Chr4:244201160-244201182	4	RNA	GGCCAGAGTGCATACCGGCRNG	G-aCGGGTGCAGCaCgAGGGG	-	5	1	0	7.71	3.86
Chr1:259160861-259160883	5	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-tGcAGACTACCGGCTGG	-	5	2	0	7.71	3.86
Chr9:156236554-156236576	4	RNA	GGCCAGAGTGCATACCGGCRNG	aGCCGAGGgTGG-CcCaAGGCTGG	+	5	1	0	7.71	3.86
Chr10:132199051-132199073	5	RNA	GGCCAGAGTGCATACCGGCRNG	G-CAGAGTCTGGcGgCGgAGG	-	5	2	0	7.71	3.86
Chr6:146032127-146032149	3	RNA	GGCCAGAGTGCATACCGGCRNG	G-aCGGGTGCAGCaCgAGGGG	-	5	1	0	7.71	3.86
Chr3:17401958-17401980	2	DNA	GGC-GAGGTTGCATACCGGCRNG	GgCTCGAGGCaCAGTGGGGG	+	4	2	0	7.71	3.86
Chr9:119038444-119038466	2	DNA	GGCCAGAGTGCATACCGGCRNG	eGCGAGTCTACTACCGGCGGG	-	5	2	0	7.71	3.86
Chr4:21100458-21100480	2	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGAGTgTAC-AaHGCGGG	-	5	1	0	7.71	3.86
Chr6:165163533-165163555	2	DNA	G-GCCAGAGTGCATACCGGCRNG	GGCCcTcGGGCGAGTACCGGCGAG	+	5	1	0	7.71	3.86
Chr9:133600039-133600061	5	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-HtGGGACTACCGGCTGG	+	4	2	6	1.65	3.83
Chr3:216843243-216843265	2	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-gGgTgAGCaCgAGGAG	+	5	2	1	6.61	3.81
Chr4:142295394-142295416	4	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-AgGcCGAGCaACCGGCGGG	-	3	2	7	0.55	3.78
Chr6:71670360-71670382	3	RNA	GGCCAGAGTGCATACCGGCRNG	G-CGGAGTGCATCTGGGGAGG	-	4	1	7	0.55	3.78
Chr10:123030488-123030510	4	RNA	GGCCAGAGTGCATACCGGCRNG	Tg-GAcCTGTCaACCGGATGG	-	5	2	2	5.51	3.76
Chr2:129356996-12936018	5	RNA	GGCCAGAGTGCATACCGGCRNG	GgGcAGGcTGCAGCaCgAGGGG	+	4	1	0	7.16	3.58
Chr7:2230373-2230395	4	RNA	GGCCAGAGTGCATACCGGCRNG	a-CGGGCGAGGCaCAGGGGG	+	5	2	0	7.16	3.58
Chr9:91636078-91636100	4	RNA	GGCCAGAGTGCATACCGGCRNG	G-aCGGGTGCAGCaCgAGGGG	+	5	1	0	7.16	3.58
Chr2:8288552-8288574	2	RNA	GGCCAGAGTGCATACCGGCRNG	GaCCAGGCG-CAGCaCaGAGG	+	5	2	0	7.16	3.58
Chr6:349520-349542	5	RNA	GGCCAGAGTGCATACCGGCRNG	GcCCAGGgGCaCaCC-gTGG	-	5	2	0	7.16	3.58
Chr7:70339169-70339191	3	RNA	GGCCAGAGTGCATACCGGCRNG	G-aCGGGTGCAGCaCgAGGGG	+	5	1	0	7.16	3.58
Chr6:144446673-144446695	3	RNA	GGCCAGAGTGCATACCGGCRNG	aGt-tGGTgGATACCGGCAAG	+	5	2	0	7.16	3.58
Chr7:133222422-133222444	4	RNA	GGCCAGAGTGCATACCGGCRNG	GgGcGGcCaCaCAGCGGGGG	-	4	1	0	7.16	3.58
Chr2:216374341-216374363	4	RNA	GGCCAGAGTGCATACCGGCRNG	GgCGGgGCTGCAG-AtcTCCGG	-	4	1	0	7.16	3.58
Chr3:163017842-163017864	3	RNA	GGCCAGAGTGCATACCGGCRNG	G-aCGGGTGCAGCaCgAGGGG	+	5	1	0	7.16	3.58
Chr4:28897450-28897472	4	RNA	GGCCAGAGTGCATACCGGCRNG	TGCCAGGCTG-TAGGGAGG	-	5	2	0	7.16	3.58
Chr7:12051656-12051678	3	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGAGTGCATACCGGCRNG	+	5	2	0	7.16	3.58
Chr4:70715583-70715605	2	RNA	GGCCAGAGTGCATACCGGCRNG	GgCGAGAGTCTGtTGGC-CGAG	+	5	2	0	7.16	3.58
Chr10:9074274-9074296	4	RNA	GGCCAGAGTGCATACCGGCRNG	GaCaG-GGTGCAGCaCgAGGGG	+	5	1	0	7.16	3.58
Chr1:87264724-87264746	3	RNA	GGCCAGAGTGCATACCGGCRNG	GaCCAGGAGgGCT-CtGGCGAG	+	5	1	0	7.16	3.58
Chr7:149461770-149461792	3	RNA	GGCCAGAGTGCATACCGGCRNG	eGCCGAG-TGATTCGGGAGG	-	3	2	0	7.16	3.58
Chr10:67516012-67516034	4	RNA	GGCCAGAGTGCATACCGGCRNG	GTCGc-gTgCaACCGGAGAG	-	5	2	0	7.16	3.58
Chr5:172175136-172175158	3	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-tcGGGACTACCGGCTGG	-	5	2	0	7.16	3.58
Chr7:30880933-30880955	3	RNA	GGCCAGAGTGCATACCGGCRNG	GaCaG-GTTCAGCaCgAGGGG	+	5	1	0	7.16	3.58
Chr6:158971260-158971282	4	RNA	GGCCAGAGTGCATACCGGCRNG	GgA-aAGTGCATACTtCAAG	+	5	2	0	7.16	3.58
Chr3:182081075-182081097	3	RNA	GGCCAGAGTGCATACCGGCRNG	GaCgGgGgGCaC-gACCGGCGG	-	4	2	0	7.16	3.58
Chr7:34243873-34243895	4	RNA	GGCCAGAGTGCATACCGGCRNG	GaCAAGGgG-ACTACGGCGAG	+	4	1	0	7.16	3.58
Chr7:50901975-50901997	2	RNA	GGCCAGAGTGCATACCGGCRNG	GGC-AaGTTGACTACCaGAGG	+	5	1	0	7.16	3.58
Chr5:153506362-153506384	4	RNA	GGCCAGAGTGCATACCGGCRNG	GgCaCaG-TGACTACTtGCTGG	+	5	2	0	7.16	3.58
Chr4:123030529-123030551	4	RNA	GGCCAGAGTGCATACCGGCRNG	Tg-GAcCTGAGgAAGCaGGCGGG	+	5	2	0	7.16	3.58
Chr7:67571569-67571591	4	DNA	GGCCAGAGTGCATACCGGCRNG	GgGCaAGGgGtCAcAAGCGGCGAG	+	5	2	0	7.16	3.58
Chr10:33397048-33397070	4	RNA	GGCCAGAGTGCATACCGGCRNG	G-aCGAGTGCAGCaCgAGGGG	+	5	1	0	7.16	3.58
Chr4:6330673-6330695	4	RNA	GGCCAGAGTGCATACCGGCRNG	GgCGAGgGg-GAGCaAGTGTAG	+	5	1	0	7.16	3.58
Chr4:226502511-226502533	5	RNA	GGCCAGAGTGCATACCGGCRNG	GcCCAGAGgGCaCaCC-aTGG	-	5	2	0	7.16	3.58
Chr4:59004096-59004118	5	RNA	GGCCAGAGTGCATACCGGCRNG	GGCCAGAGCGCaG-AggGGGAGG	+	5	2	0		

Chr7:22832794-22832816	22832799	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCAAG--GACTACCGTGG	-	4	2	0	7.16	3.58
Chr10:148732123-148732145	148732138	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGT-AAAAGGGaTGG	+	5	2	0	7.16	3.58
Chr7:5877505-5877527	5877510	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGTcCGCAcGaaCGCGGAG	-	5	1	0	7.16	3.58
Chr2:17707135-17707157	17707141	4	RNA	GGCCGAGGTGCACTACCGGNNRG	caCAAGTGGcCT-CCGCCAG	-	5	1	0	7.16	3.58
Chr2:55203621-55203643	55203628	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGaGAGGagGACT-CGaaCGG	-	5	2	0	7.16	3.58
Chr7:2933854-2933876	2933870	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGAGTcGACaGaaGGGG	+	5	1	0	7.16	3.58
Chr5:203929589-203929611	20392967	4	RNA	GGCCGAGGTGCACTACCGGNNRG	cGGcTcGcG--TACCGCCGG	+	4	2	0	7.16	3.58
Chr4:220932677-220932699	220932605	2	DNA	GGCCGAGGTGCACTACCGGNNRG	GgGcMAGGaaGcCTACCGGCTGG	+	5	1	0	7.16	3.58
Chr6:96275518-96275540	96275534	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-AAGcCGAggACcCGCGG	+	5	1	0	7.16	3.58
Chr1:298705082-298705104	298705087	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GaCCGAGGcAGcCaCa--GCAAG	-	5	2	0	7.16	3.58
Chr4:11090905-11090927	11090922	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCGAGTcGCTT--GGCAAG	+	5	2	0	7.16	3.58
Chr3:106976798-106976820	106976816	2	DNA	GGCCGAGGTGCACTACCGGNNRG	cGgGgGTcCGACTACaCGCGGG	+	5	1	0	7.16	3.58
Chr10:128414405-128414427	128414423	2	DNA	GGCCGAGGTGCACTACCGGNNRG	GgGtGAGGtTaATGAGCCGGCGGG	+	5	2	0	7.16	3.58
Chr1:129829565-129829587	129829582	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGcGAGGTcGcCTgT--GGCGAG	+	4	2	0	7.16	3.58
Chr3:59076867-59076889	59076872	3	RNA	GGCCGAGGTGCACTACCGGNNRG	Gg--GcGgGcGACTcCGCGGG	-	5	2	0	7.16	3.58
Chr4:151232361-151232383	151232377	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGAGTcCGCAcGaaCGCGG	+	5	1	0	7.16	3.58
Chr8:79028944-79028966	79028949	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CcCAAGTcGAGaACTcCGCGG	+	5	1	0	7.16	3.58
Chr4:22645704-22645726	22645708	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GaaAGAGTcGAC-AaCGGcCGG	-	4	1	6	1.10	3.55
Chr6:153135198-153135220	153135215	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GtTCaAaGcGA--ACCGCGGG	+	5	2	7	0.00	3.50
Chr2:203927648-203927670	203927665	3	DNA	G--GCCGAGGTcGACTACCGGNNRG	GATGaCGgGTcGACaCaaGcCGGG	+	5	2	7	0.00	3.50
Chr5:43118194-43118216	43118211	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCCc--GtTcAcACCGGcCAG	+	5	2	7	0.00	3.50
Chr5:34213261-34213283	34213278	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGgGTcGACaCaaGcCGGG	+	5	1	7	0.00	3.50
Chr1:118890949-118890971	118890956	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGcGcGcGACTg--GGCTGG	-	5	2	7	0.00	3.50
Chr10:50507707-50507729	50507714	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCCc--GtTcAcACCGGcCAG	+	5	2	7	0.00	3.50
Chr5:184500071-184500093	184500078	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCtGgGcTgGgTcTA--GcCTGG	-	5	2	7	0.00	3.50
Chr8:10137451-10137473	10137458	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGAGTcGACaCaaGcCGGG	+	5	1	7	0.00	3.50
Chr3:12257540-12257562	12257557	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCGcGgGcTcA--AaCGCGAG	+	5	2	7	0.00	3.50
Chr5:139807793-139807815	139807810	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GgGtGAGGtTgGACTGACcCGGCGG	+	2	1	0	0.00	3.50
Chr1:132397497-132397519	132397514	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCaTAgGcA--ACTAcAGcAGG	+	4	1	7	0.00	3.50
Chr10:75544386-75544408	75544403	3	X	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTcCGAggtGgCGAG	+	5	0	7	0.00	3.50
Chr1:82565696-82565718	82565713	3	RNA	GGCCGAGGTGCACTACCGGNNRG	ctCCGtGTcA--ACCGCGAA	+	5	2	7	0.00	3.50
Chr4:94360303-94360325	94360310	5	DNA	GGCCGAGGTGCACTACCGGNNRG	GtAcGAGgGaaCTcTACCGCGAG	+	5	2	7	0.00	3.50
Chr6:6243148-6243170	6243155	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGtGgCTg--GGTGG	-	5	2	7	0.00	3.50
Chr3:147242959-147242981	147242976	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC--tGtTgATtACCGGCTGG	+	4	2	7	0.00	3.50
Chr4:79771225-79771247	79771242	3	RNA	GGCCGAGGTGCACTACCGGNNRG	cCGc--GTCgGgACCGCGGG	+	5	2	7	0.00	3.50
Chr2:21040077-21040099	21040084	3	RNA	GGCCGAGGTGCACTACCGGNNRG	aGcCaGg--CGAaGgGcGAGG	+	5	2	7	0.00	3.50
Chr8:27891127-27891149	27891144	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC--tcGgGcGACTcCGCTGG	+	5	2	7	0.00	3.50
Chr9:114322401-114322423	114322418	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC--AtGTCaATcHCAAG	+	5	2	7	0.00	3.50
Chr1:96423243-96423265	96423250	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGcG-GGcCaCctCGCGCGG	+	5	1	7	0.00	3.50
Chr6:126437749-126437771	126437766	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGTcG--TtGcCGAGG	+	5	2	7	0.00	3.50
Chr4:82973383-82973405	82973390	5	RNA	GGCCGAGGTGCACTACCGGNNRG	Tg--GAGGaaGcAaCtCGCGAG	+	5	2	7	0.00	3.50
Chr1:83586315-83586337	83586322	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GaaCa-GcGTGcAaCaaGcCGGG	-	5	1	7	0.00	3.50
Chr9:81332157-81332179	81332174	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGgTcGcCaCaGaaGcCGGG	+	5	1	7	0.00	3.50
Chr2:123904469-123904491	123904486	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CcGAGGcGcGcGcGcGACTGG	+	5	1	7	0.00	3.50
Chr7:72615303-72615325	72615310	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC--GAGTcGACaCaaGcGaaTAG	+	5	1	7	0.00	3.50
Chr7:89813178-89813199	89813195	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCGcGAGGcGc--GACTAcCGCGG	+	5	2	7	0.00	3.50
Chr9:18535881-18535903	18535888	5	DNA	GGCCGAGGTGCACTACCGGNNRG	GgCaaAGTcGaaGaaAGcCGGcCGG	+	5	2	7	0.00	3.50
Chr5:98526228-98526250	98526245	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGcGAG--CGACTAaagcCAGG	+	5	2	7	0.00	3.50
Chr4:44065607-44065629	44065614	5	DNA	GGC-CGAGGTcGACTACCGGNNRG	GtCTGAGGcGcTcTCCGCTGG	-	4	1	7	0.00	3.50
Chr2:14961540-14961562	14961557	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GtGcAATcGACaCaA--GcGCGG	+	5	2	7	0.00	3.50
Chr7:129103879-129103901	129103886	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC--tcGgGACTACCGCTGG	-	4	2	7	0.00	3.50
Chr6:154784775-154784797	154784782	5	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CaGAGgagcACTACCGCGAG	-	5	2	7	0.00	3.50
Chr3:171376425-171376447	171376442	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGcGAGGcTG--TtGaaCaGAG	+	5	2	7	0.00	3.50
Chr7:73073809-73073831	73073816	5	RNA	GGCCGAGGTGCACTACCGGNNRG	cCGcG--GtCtCaTcCGCGCGG	-	5	2	7	0.00	3.50
Chr4:7786921-7786943	7786938	3	DNA	GGC-CGAGGTcGACTACCGGNNRG	GtCAcGgGcCAcTcCGGCTGG	+	5	2	7	0.00	3.50
Chr4:17065740-17065762	17065747	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTcGAGTcCGCGGG	+	5	2	7	0.00	3.50
Chr2:7857794-7857796	7857791	5	DNA	GGCCGAGGTGCACTACCGGNNRG	GcCaAAGcCaCaCctCGCGCGG	+	5	2	7	0.00	3.50
Chr8:46329914-46329936	46329931	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCCGtHtGAGTaa--GaCGCG	+	5	2	7	0.00	3.50
Chr8:162864120-162864142	162864137	3	DNA	GGC-CGAGGTcGACTACCGGNNRG	GtCTGAGGcGcGcTcTCCGCTGG	+	4	1	7	0.00	3.50
Chr5:136819775-136819797	136819782	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCG--GcaAcACTCaGaaAG	+	5	2	7	0.00	3.50
Chr5:17629262-17629284	17629269	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GaCCGAGGT-GcGaaCaAaGAG	-	5	1	7	0.00	3.50
Chr1:208079284-208079306	208079291	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCAAGGtCt--TACCgGaaAG	-	5	2	7	0.00	3.50
Chr10:87020568-87020590	87020585	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGgTcGcCaCaGaaGcCGGG	+	5	1	7	0.00	3.50
Chr2:132714464-132714486	132714481	3	RNA	GGCCGAGGTGCACTACCGGNNRG	a--CgGgTcGcAaCaaGcCGGG	+	5	2	7	0.00	3.50
Chr2:19622822-19622844	19622839	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GtCAAGGTcGACTACCGGNNRG	+	5	2	7	0.00	3.50
Chr8:11570311-11570313	11570318	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GtGcGAGGcGcGcGACTAcCGCGG	+	5	2	7	0.00	3.50
Chr1:182096085-182096107	182096092	5	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CGAGGTcGcGcTcCGCGAG	+	5	2	7	0.00	3.50
Chr1:58868607-58868629	58868624	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CtAGGcGcGACTCaGaaCAG	+	5	1	7	0.00	3.50
Chr10:73019873-73019895	73019880	5	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CtAGGtTcGcTAgcTcCGCGG	+	5	1	7	0.00	3.50
Chr2:188582221-188582243	188582238	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC--tcGcAaACTACCGCTGG	+	5	2	7	0.00	3.50
Chr10:39089907-39089929	39089914	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GG--GAGGgGtATcGgGcAAG	-	5	2	7	0.00	3.50
Chr1:101069060-101069082	101069067	5	DNA	GGCCGAGGTGCACTACCGGNNRG	GGcGAGGcGAGTgGcTcCGCTCAG	+	5	2	7	0.00	3.50
Chr8:155249330-155249352	155249337	5	RNA	GGCCGAGGTGCACTACCGGNNRG	TcCGcAGT-GACTgTcGaaGAG	-	5	1	7	0.00	3.50
Chr4:60783612-60783634	60783619	5	DNA	GGC--CGAGGTcGACTACCGGNNRG	GGCTcGgGgGcTcAaCctCGCGCGG	+	5	2	7	0.00	3.50
Chr2:183742862-183742884	183742869	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC--tGcAaACTACCGCTGG	-	5	2	7	0.00	3.50
Chr1:194026935-194026957	194026942	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCAcGgGcACTAcGgGtAG	+	5	1	7	0.00	3.50
Chr10:20678206-20678228	20678223	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCG-GaaGcAaACTcCGCGAG	+	5	1	7	0.00	3.50
Chr4:176549488-176549510	176549495	3	RNA	GGCCGAGGTGCACTACCGGNNRG	caCC-AGGTcGcTcAaCtGgAGG	+	5	2	7	0.00	3.50
Chr8:70163945-70163967	70163952	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GcGcGgGaa--ACTACCGGaaAGG	-	5	2	7	0.00	3.50
Chr5:218107646-218107668	218107653	5	DNA	GGCCGAGGTGCACTACCGGNNRG	aGcCAAGTcCACTAcCGGcTgAG	+	5	1	7	0.00	3.50
Chr5:128710966-128710988	128710983	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GaaCa-GGTcGcGACaAaGcCGGG	+	5	1	7	0.00	3.50
Chr3:78246029-78246051	78246036	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGtGgAg--CtGgGaaAG	-	5	2	7	0.00	3.50
Chr1:69482345-69482367	69482362	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-GAaCaCtGACTACCGCGGG	+	5	1	7	0.00	3.50
Chr7:104890395-104890417	104890402	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGgGcTgGcTg--GGCTGG	-	5	2	7	0.00	3.50
Chr2:290345962-290345984	290345979	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCAAGGcGcGcGACTAcCGCGG	+	5	1	7	0.00	3.50
Chr3:59473846-59473868	59473850	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGcG-GGcCaCctCGCGCGG	+	5	2	7	0.00	3.50
Chr5:117397363-117397385	117397380	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGcG-GGcCaCctCGCGCGG	+	5	1	7	0.00	3.50
Chr8:59232310-59232332	59232317	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCAAGT--ACTcGCGCGAG	+	5	2	7	0.00	3.50
Chr6:119742892-119742914	119742909	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCtGgGT-GaCaCtCGCGCGG	+	5	1	7	0.00	3.50
Chr1:252608099-252608121	252608106	5	RNA	GGCCGAGGTGCACTACCGGNNRG	caCAAGTcGcT-CCGCGAG	+	5	1	7	0.00	3.50
Chr6:142107425-142107447	142107442	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-AaactGACACCGCGGG	+	5	2	7	0.00	3.50
Chr2:83285025-83285047	83285042	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCAG--CGAaACcGgG						

Chr10:101058734-101058756	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GTCCGAGTAgCT-CGaaCGG	-	5	2	7	0.00	3.50
Chr3:76087062-76087084	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGcGCTGcGcG-CGagGAG	+	5	2	7	0.00	3.50
Chr2:109836979-10983701	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGTGcGcCT-CGCGGAG	+	5	1	7	0.00	3.50
Chr9:17097128-17097130	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGcGACTACCGCTGG	-	4	2	2	4.96	3.48
Chr2:118375013-118375035	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aGcGgGgGAGcAGCCGCTGG	-	5	2	3	3.86	3.43
Chr7:12722144-12722146	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCGAGGTGCACTACCGGCRNG	-	5	2	3	2.75	3.38
Chr2:22063800-22063822	3	RNA	GGCCGAGGTGCACTACCGGCRNG	YG-GAGGTGCACTGcGgGAGCG	+	5	2	4	2.75	3.38
Chr5:50331645-50331667	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCAHGTGTGAGTTC-GCCAG	+	5	2	5	1.65	3.33
Chr7:132883954-132883976	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGcGGTGCACaCgagCGGG	-	5	1	5	1.65	3.33
Chr5:132656602-132656624	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcTgGcTGTGACTA-GGTGG	+	5	2	0	6.61	3.31
Chr2:191357245-191357267	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGCAGGcAGcCGCGGG	-	5	2	0	6.61	3.31
Chr7:112767413-112767435	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GHCCGtGT-ACCAcCGGAGC	-	5	2	0	6.61	3.31
Chr4:209877700-209877722	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGAGgAagggC-CGGGG	-	5	2	0	6.61	3.31
Chr1:148914618-148914640	5	RNA	GGCCGAGGTGCACTACCGGCRNG	ag-GAcCGAGCTAGCaGcAGG	+	5	2	0	6.61	3.31
Chr5:141994705-141994727	4	RNA	GGCCGAGGTGCACTACCGGCRNG	cGcCGAGTTCGA-AGcTCTCTGG	+	5	2	0	6.61	3.31
Chr1:628122157-628122179	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCACTACCGGCRNG	+	5	2	0	6.61	3.31
Chr7:150943166-150943188	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGAGGTGCACTACCGGCRNG	-	5	1	0	6.61	3.31
Chr4:436501-436523	5	RNA	GGCCGAGGTGCACTACCGGCRNG	cg-GHGTGTGAGcAGcTCTGG	-	5	2	0	6.61	3.31
Chr9:62104788-62104810	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCAGATATTCggtTACCGTTCAGG	-	5	2	0	6.61	3.31
Chr8:126611744-126611766	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGcCTcGGT-CACcCGCAGG	+	4	2	0	6.61	3.31
Chr7:154322906-154322928	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGAGgGcCT-CGcGCTGG	+	4	1	0	6.61	3.31
Chr8:104798108-104798130	3	RNA	GGCCGAGGTGCACTACCGGCRNG	caCAAGTTCGCT-CCGCGCAG	+	5	1	0	6.61	3.31
Chr3:210542609-210542631	3	DNA	GGCCGAGGTGCACTACCGGCRNG	ctCCAGGcGcCAACTCCGGCAGG	-	5	2	0	6.61	3.31
Chr2:13460991-13461013	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGcG-GGcCAcCctCGCGCGG	-	5	1	0	6.61	3.31
Chr2:11865339-11865361	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGTCCAGGAGa-ACaGcCAAG	-	5	2	0	6.61	3.31
Chr1:706593-706615	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCACTACCGGCRNG	+	5	2	0	6.61	3.31
Chr2:170420095-170420117	3	DNA	GGCCGAGGTGCACTACCGGCRNG	ctCCAGGcGcCAACTCCGGCAGG	-	5	2	0	6.61	3.31
Chr8:154675293-154675315	3	DNA	G-CGCCGAGGTGCACTACCGGCRNG	GGCCCTGcGgCGAGTACCGCAGG	-	5	1	0	6.61	3.31
Chr4:140230920-140230942	2	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGCTGCACaCgagCGGG	+	5	2	0	6.61	3.31
Chr4:93762624-93762646	5	RNA	GGCCGAGGTGCACTACCGGCRNG	cGgCGAGGTGCACTACCGGCRNG	-	5	2	0	6.61	3.31
Chr7:110131344-110131366	4	RNA	GGCCGAGGTGCACTACCGGCRNG	cg-GAGGGAGTACCTGCTGG	-	5	2	0	6.61	3.31
Chr7:117228090-117228112	2	RNA	GGCCGAGGTGCACTACCGGCRNG	cGAGAGTGTGAGcCAc-IGAG	-	5	2	0	6.61	3.31
Chr5:72879057-72879079	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAAATCCctCC-CTGG	+	5	2	0	6.61	3.31
Chr7:113449336-113449358	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGTgACTACCGCTGG	+	3	2	0	6.61	3.31
Chr2:132941984-132942006	3	RNA	GGCCGAGGTGCACTACCGGCRNG	TCGCCAGGT-GACAAgGcCAAG	-	5	1	0	6.61	3.31
Chr1:286460736-28646095	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCACTACCGGCRNG	+	5	2	0	6.61	3.31
Chr1:36204131-36204153	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCACTACCGGCRNG	-	5	1	0	6.61	3.31
Chr3:134841581-134841603	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-GGcCAcCctCGCGCGG	+	5	1	0	6.61	3.31
Chr7:107967449-107967471	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGcGcCA-AGgGgGAG	+	5	2	0	6.61	3.31
Chr1:246890071-246890093	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGCTGCACaCgagCGGG	-	5	1	0	6.61	3.31
Chr1:134587246-134587268	3	RNA	GGCCGAGGTGCACTACCGGCRNG	acCCAGcTcGAGTTC-CCGGC	-	5	2	0	6.61	3.31
Chr8:76911959-76911981	7	DNA	GGCCGAGGTGCACTACCGGCRNG	tGcGAGGcGcGcCAcCGCGcCAAG	-	5	2	0	6.61	3.31
Chr5:223334173-223334195	5	RNA	GGCCGAGGTGCACTACCGGCRNG	Gga-AGAGGAGcAGcAGcCGCGGG	+	5	2	0	6.61	3.31
Chr5:31582421-31582443	3	DNA	GGC-CGAGGTGCACTACCGGCRNG	GGCCTCGGgGcCAcCctCGCGCGG	-	5	1	0	6.61	3.31
Chr1:62811450-62811452	6	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGCTGCACaCgagCGGG	-	5	2	0	6.61	3.31
Chr8:2695303-2695305	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGCTGCACaCgagCGGG	-	5	2	0	6.61	3.31
Chr2:158280105-158280127	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCcA-CcAGTTCGgCGGG	-	5	2	0	6.61	3.31
Chr2:167850650-167850672	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GHCCAGTCTCG-TACHGACAG	-	5	2	0	6.61	3.31
Chr4:222910238-222910260	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GTCCG-GaaGAGTACCGGAG	+	5	2	0	6.61	3.31
Chr10:42821618-42821640	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CGIGGAGTACTCGcTGG	-	5	2	0	6.61	3.31
Chr2:26710193-26710215	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCGGCTGCAGcAG-CgagAG	-	5	1	0	6.61	3.31
Chr4:39844606-39844628	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGagGACTACCGCTGG	+	4	2	0	6.61	3.31
Chr1:242800982-242801004	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-tGAGGcTAgcACCGCCAG	+	5	2	0	6.61	3.31
Chr1:119652003-119652025	4	DNA	GGC-CGAGGTGCACTACCGGCRNG	GcCTCGAGGAGcGCTcCAcGCTGG	-	5	1	0	6.61	3.31
Chr1:19521284-19521306	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCTcA-aGACTACCGCTGG	-	4	2	0	6.61	3.31
Chr10:3651947-3651969	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cGgAGGTGCACTACCGGCRNG	-	5	2	0	6.61	3.31
Chr3:26127355-26127377	2	RNA	GGCCGAGGTGCACTACCGGCRNG	aaCGGcGTGCTGACTA-GGgAG	+	5	2	0	6.61	3.31
Chr1:29483704-29483726	2	DNA	GGC-CGAGGTGCACTACCGGCRNG	GcCTGAGGTGCaCctCGCGGAG	-	4	1	0	6.61	3.31
Chr9:58043514-58043536	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGTcT-CcCctCGCCAG	-	4	1	0	6.61	3.31
Chr3:23257372-23257394	2	RNA	GGCCGAGGTGCACTACCGGCRNG	TGcGAGGTGCAGc-CcCGAG	+	5	2	0	6.61	3.31
Chr2:4237640-4237662	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GcCTCAGAGcGcCAcCaacCGCCGG	-	5	1	0	6.61	3.31
Chr3:226146250-226146272	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCAGGcGcCA-ActcGcTGG	-	5	2	0	6.61	3.31
Chr2:228863194-228863216	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCACTACCGGCRNG	+	5	2	0	6.61	3.31
Chr8:160556769-160556791	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGCTGCACaCgagCGGG	-	5	1	0	6.61	3.31
Chr9:7818710-78187132	4	RNA	GGCCGAGGTGCACTACCGGCRNG	cCCCGGTGCTGcGcG-CGcAGG	-	4	2	0	6.61	3.31
Chr5:17994095-17994117	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCACTACCGGCRNG	+	5	2	0	6.61	3.31
Chr1:262657980-262658002	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGcGcCA-gCCcGcGG	-	5	1	0	6.61	3.31
Chr6:48834209-48834231	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGTGcTgGcTgGCGCTAG	+	5	1	0	6.61	3.31
Chr1:173662124-173662146	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCAcCctCGCTGG	+	4	2	0	6.61	3.31
Chr2:129399458-129399480	4	DNA	GGCCGAGGTGCACTACCGGCRNG	GcGcCAcTCGACTCTACCGCGAG	-	5	2	0	6.61	3.31
Chr9:76346098-76346120	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCgAGGAGTGCAGT-GTCAGG	+	5	2	0	6.61	3.31
Chr7:56579233-56579255	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGTCTCG-tAtCaCAAG	-	5	2	0	6.61	3.31
Chr8:59924109-59924131	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GcTCGAGGcGgGAGcAGcCGGCTGG	+	5	2	0	6.61	3.31
Chr8:126646991-126647013	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGTGcGg-aggGcGgCGG	-	5	2	0	6.61	3.31
Chr3:152155382-152155404	4	DNA	GGC-CGAGGTGCACTACCGGCRNG	GGCTCAGGAGcGCTTCGCGCAGG	-	5	2	0	6.61	3.31
Chr1:3203881-3203903	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGCTGCACaCgagCGGG	-	5	2	0	6.61	3.31
Chr5:9260675-9260697	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGTGCACTACCGGCRNG	+	4	2	0	6.61	3.31
Chr6:84303473-84303495	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCAGGcTcGAGT-CGcIAGG	-	5	2	0	6.61	3.31
Chr2:22314149-22314171	3	RNA	GGCCGAGGTGCACTACCGGCRNG	eTcGAGGTGCAGcAGcGCGGAG	-	5	1	0	6.61	3.31
Chr1:20374787-20374809	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcAGcAGcTcCGCGG	-	5	2	0	6.61	3.31
Chr2:190325651-190325673	4	RNA	GGCCGAGGTGCACTACCGGCRNG	tGtaAGIT-GaATACCGCTGG	-	5	1	0	6.61	3.31
Chr4:62678695-62678717	4	DNA	GGC-CGAGGTGCACTACCGGCRNG	GcCTGcGgAGcGCTcCGGCTGG	-	5	1	0	6.61	3.31
Chr1:116873093-116873115	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GG-tAhtGcAGcAGcCGTgAG	+	5	2	0	6.61	3.31
Chr3:26264873-26264895	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGCTGCACaCgagCGGG	-	5	1	0	6.61	3.31
Chr2:149630338-149630360	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCAcCctCGCGCGG	-	4	2	0	6.61	3.31
Chr1:11732166-11732188	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCAcCctCGCGCGG	-	5	2	0	6.61	3.31
Chr2:17698302-17698324	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcCGcGcGcCA-ACcCAcAGG	+	5	2	0	6.61	3.31
Chr3:16982243-16982265	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tGcAGACTACCGCTGG	-	5	2	0	6.61	3.31
Chr2:162923118-162923140	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGcGcCA-gAGTGGCAG	+	5	1	0	6.61	3.31
Chr1:101470370-101470392	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GcTcGAGGTGCAGcAGcGCGAGG	-	5	1	0	6.61	3.31
Chr9:15776841-15776863	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GcGcGAGGTGCTGcGAGAGGcCAG	+	4	2	0	6.61	3.31
Chr4:200141171-200141193	3	DNA	GGCCGAGGTGCACTACCGGCRNG	ctGaaAGGTGCAGcAATCCGGCAGG	-	5	2	0	6.61	3.31
Chr1:168558804-168558826	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGAGGTGCACaCgagCGGG	-	4	1	0	6.61	3.31
Chr2:20643290-20643312	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CtCGGcGcCAcTACCGCGG	-	5	1	0	6.61	3.31
Chr1:68850688-68850710	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCAcCctCGCGCGG	-	4	2	0	6.61	3.31
Chr5:28838900-28838922	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGGcGcGAGT-TcCGCGGG	+	4	2	0	6.61	3.31
Chr3:73329873-73329895	4	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGcGcGcTgGcCAcTCCCGGAG	-	2	6	0.55	3.28	3.28
Chr1:129429467-129429489	4	DNA	GGCCGAGGTGCACTACCGGCRNG	GcTCAGAGcCAcCACCATGGCCAG	+	5	2	0	6.61	3.31
Chr4:83512534-83512556	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GaCtAGTTCAGTTCgGcCGGG	+	5	1	0	6.61	3.31
Chr1:183244851-183244873	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGCTGCACaCgagCGGG	-	5	1	0	6.61	3.31
Chr6:113403735-113403757	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tHcGAGTACCGCTGG	-	4	2	0	6.61	3.31
Chr5:65009067-65009089	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGcTGCACaCgagCGGG	+	5	1	2	4.41	3.21
Chr7:43329720-43329742	3	RNA	GGCCGAGGTGCACTACCGGCRNG	T-CtctGTGAGcACTCCGG						

Chr5:4772759-47727581	5	DNA	GGCCGAGGTCGACT-ACC	GGCCAGGTAATGAAACGGCCAG	-	5	2	0	6.06	3.03
Chr9:94051057-94051079	4	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGGTCG-eggGagCGG	+	5	2	0	6.06	3.03
Chr1:290316383-290316405	2	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGGTCG-eggGagCGG	+	5	2	0	6.06	3.03
Chr4:180668802-180668824	2	RNA	GGCCGAGGTCGACTACCGG	G-aCGGTCGACAGCaCGCGGG	+	5	1	0	6.06	3.03
Chr1:39102091-39102113	4	RNA	GGCCGAGGTCGACTACCGG	c-CAGGTCGACCaCacCAAG	+	5	2	0	6.06	3.03
Chr2:14921552-14921574	2	RNA	GGCCGAGGTCGACTACCGG	GcCTCGAGGTCGCTCCGCGCG	+	5	2	0	6.06	3.03
Chr10:4946382-49463504	4	RNA	GGCCGAGGTCGACTACCGG	cACCAAGG-GACTTCCGCGAG	+	5	2	0	6.06	3.03
Chr5:119153448-119153470	2	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGGTCgTgTCC-HGAG	+	5	2	0	6.06	3.03
Chr7:57999897-57999002	5	RNA	GGCCGAGGTCGACTACCGG	GGC-tcGgGACTACCGCTGG	+	5	2	0	6.06	3.03
Chr1:257619477-257619499	3	RNA	GGCCGAGGTCGACTACCGG	GGCCAGCaGagT-gACCGCTGG	+	5	2	0	6.06	3.03
Chr9:59711973-59711995	5	RNA	GGCCGAGGTCGACTACCGG	GGC-tctTGACTACCGCGCG	+	5	2	0	6.06	3.03
Chr5:735500-735522	4	RNA	GGCCGAGGTCGACTACCGG	GGC-GAGGTCGAGgACTCgG	+	5	1	0	6.06	3.03
Chr3:7908094-79081016	4	RNA	GGCCGAGGTCGACTACCGG	GGCGGTCGAC-CGgAaGAG	+	5	2	0	6.06	3.03
Chr5:182735082-182735104	2	RNA	GGCCGAGGTCGACTACCGG	GG-GAGGgagGgACTCGGAG	+	5	2	0	6.06	3.03
Chr9:132573667-132573689	3	RNA	GGCCGAGGTCGACTACCGG	G-aCGGTCGACaCaGgCGG	+	5	1	0	6.06	3.03
Chr5:61844852-61844874	2	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGGTCGCTCC-aggG	+	5	2	0	6.06	3.03
Chr3:199670664-199670686	5	RNA	GGCCGAGGTCGACTACCGG	cCG-tcTGTGACTACCGCTGG	+	4	2	0	6.06	3.03
Chr10:73463374-73463396	3	RNA	GGCCGAGGTCGACTACCGG	GGI-GHGTGAGgACGCGGAG	+	5	1	0	6.06	3.03
Chr3:45464703-45464725	5	DNA	GGCCGAGGTCGACTACCGG	GGTCGAGGTCGAGTcGgCGCTGG	+	5	2	0	6.06	3.03
Chr1:109199431-109199453	3	RNA	GGCCGAGGTCGACTACCGG	G-CAGAGTCGACTCgCaTGG	+	5	2	0	6.06	3.03
Chr2:106623030-106623052	2	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGG-CGgTggGCGGG	+	5	2	0	6.06	3.03
Chr5:55733352-55733374	3	RNA	GGCCGAGGTCGACTACCGG	GgTgTgGgCGa-ACC	+	4	2	0	6.06	3.03
Chr7:52762499-52762521	2	DNA	GGCCGAGGTCGACTACCGG	GGCCAGGgGgGACTACGCGGG	+	4	1	0	6.06	3.03
Chr2:40021028-40021050	4	RNA	GGCCGAGGTCGACTACCGG	T-CGAGGTCaCacCGCGGG	+	5	2	0	6.06	3.03
Chr8:33512836-33512858	3	DNA	GGCCGAGGTCGACTACCGG	GtGAGAGTgTgTGGAGGCGGG	+	5	2	0	6.06	3.03
Chr5:180616727-180616749	2	RNA	GGCCGAGGTCGACTACCGG	cAcGAGGTCGACTCAGCGAG	+	5	1	0	6.06	3.03
Chr8:45366222-45366244	5	RNA	GGCCGAGGTCGACTACCGG	GgGc-AGGcCaCctCCGCGCG	+	5	1	0	6.06	3.03
Chr9:97776243-97776265	5	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGTTCaACT-CGgAGG	+	5	1	0	6.06	3.03
Chr2:204428188-204428210	2	RNA	GGCCGAGGTCGACTACCGG	GGC-AGGcCagCTCGCGCG	+	5	2	0	6.06	3.03
Chr9:4324450-4324472	3	DNA	GGCCGAGGTCGACTACCGG	GGATCaGAGTcACTCaGCGAAG	+	5	2	0	6.06	3.03
Chr6:61842309-61842331	3	RNA	GGCCGAGGTCGACTACCGG	GGCGGTCGAC-ACgAGCTGG	+	5	1	0	6.06	3.03
Chr8:51395291-51395313	2	RNA	GGCCGAGGTCGACTACCGG	GGC-AGcTgGCTcCGCTGG	+	4	2	0	6.06	3.03
Chr2:192273889-192273911	2	RNA	GGCCGAGGTCGACTACCGG	GG-GAGTcACTgCGCGGG	+	5	2	0	6.06	3.03
Chr2:31312277-31312299	3	RNA	GGCCGAGGTCGACTACCGG	GGC-tcTGTGACTACCGCTGG	+	4	2	0	6.06	3.03
Chr10:21375920-21375942	2	RNA	GGCCGAGGTCGACTACCGG	GgTgGAGGTCACACTCC-aggAG	+	4	2	0	6.06	3.03
Chr6:7725701-7725723	5	DNA	GGCCGAGGTCGACTACCGG	GGCCGAGGTCGACTACCGG	+	5	2	0	6.06	3.03
Chr8:59936404-59936426	2	DNA	GGCCGAGGTCGACTACCGG	GgGcGAGTTCaACTCCGCGGAG	+	5	2	0	6.06	3.03
Chr2:84193865-84193887	4	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGTTCaACTCCGCGG	+	5	2	0	6.06	3.03
Chr4:151080712-151080734	5	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGTTCaACTCCGCGG	+	5	2	0	6.06	3.03
Chr2:20305841-20305863	4	RNA	GGCCGAGGTCGACTACCGG	GgCtGAGG-GgTcACTGCGGG	+	5	2	0	6.06	3.03
Chr2:151877121-151877143	3	DNA	GGCCGAGGTCGACTACCGG	GATGcAGGgTGCAGCaGCGGG	+	5	2	0	6.06	3.03
Chr4:33372328-33372350	4	RNA	GGCCGAGGTCGACTACCGG	aGcAGGAGGTCGAC-CGgGAG	+	5	2	0	6.06	3.03
Chr8:100193135-100193157	3	RNA	GGCCGAGGTCGACTACCGG	G-aCGGTCGACgACTCgGCGG	+	5	1	0	6.06	3.03
Chr4:16146845-16146867	4	RNA	GGCCGAGGTCGACTACCGG	TG-GAGGgAGcACTCgCGGG	+	5	2	0	6.06	3.03
Chr4:18107698-18107720	2	RNA	GGCCGAGGTCGACTACCGG	agAcAGGTCGACTACCGG	+	5	2	0	6.06	3.03
Chr1:17007626-17007648	2	RNA	GGCCGAGGTCGACTACCGG	GGC-CGAGGTCGACTACCGG	+	5	2	0	6.06	3.03
Chr5:166179889-166179911	3	RNA	GGCCGAGGTCGACTACCGG	GGC-AGGcCaCctCCGCGCG	+	5	1	0	6.06	3.03
Chr3:68259948-68259970	4	RNA	GGCCGAGGTCGACTACCGG	G-aCGGTCGACgCaCaGCGGG	+	5	2	0	6.06	3.03
Chr5:20291371-20291393	4	RNA	GGCCGAGGTCGACTACCGG	GgGcAGGcGCa-ACCgAGG	+	5	2	0	6.06	3.03
Chr1:52972018-52972040	4	RNA	GGCCGAGGTCGACTACCGG	GTCGG-GTgTcACACCGGAG	+	5	2	0	6.06	3.03
Chr4:234537134-234537156	4	DNA	GGCCGAGGTCGACTACCGG	GGCaGAGGTCGcGAGGCGGAG	+	5	2	0	6.06	3.03
Chr3:106063514-106063536	5	RNA	GGCCGAGGTCGACTACCGG	GTCGG-GTgTcACACCGGAG	+	5	2	0	6.06	3.03
Chr1:117362439-117362461	2	RNA	GGCCGAGGTCGACTACCGG	a-CGAGTCGACCaCaGAGG	+	4	2	0	6.06	3.03
Chr7:95664010-95664032	2	RNA	GGCCGAGGTCGACTACCGG	GGTCGAGGTCGAGT-CGCGGG	+	4	2	0	6.06	3.03
Chr8:78627447-78627469	5	RNA	GGCCGAGGTCGACTACCGG	G-CaAGGTCGAGTCGCGGAG	+	5	2	0	6.06	3.03
Chr1:27107305-27107327	2	RNA	GGCCGAGGTCGACTACCGG	GgGcGAGGTCG-TGgGAGG	+	5	2	0	6.06	3.03
Chr8:163063070-163063092	2	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGGTCaACTCgGCGGG	+	5	1	0	6.06	3.03
Chr1:230928743-230928765	4	RNA	GGCCGAGGTCGACTACCGG	GcCaAGTTCGCTCCGCGAG	+	5	1	0	6.06	3.03
Chr1:162962298-162962320	3	RNA	GGCCGAGGTCGACTACCGG	GGCCACTcTgACTA-GRTTG	+	5	2	0	6.06	3.03
Chr8:130470592-130470614	4	RNA	GGCCGAGGTCGACTACCGG	G-aCGGTCGACCaGgCGGG	+	5	1	0	6.06	3.03
Chr5:141155973-141155995	5	RNA	GGCCGAGGTCGACTACCGG	GACCGAGTTCAGCaACCG-CCAG	+	5	1	0	6.06	3.03
Chr4:155949350-155949372	2	RNA	GGCCGAGGTCGACTACCGG	GGCCAGTTCGACaA-IGCAAG	+	4	2	0	6.06	3.03
Chr5:15533161-15533183	2	RNA	GGCCGAGGTCGACTACCGG	GGH-GAGGTCGAGTTCGCGGG	+	5	1	0	6.06	3.03
Chr1:268746054-268746076	2	RNA	GGCCGAGGTCGACTACCGG	GTCGG-GTgTcACACCGGAG	+	5	2	0	6.06	3.03
Chr5:196271711-196271733	4	RNA	GGCCGAGGTCGACTACCGG	TGaaAGGc-ACACTCgCGGG	+	5	2	0	6.06	3.03
Chr3:23432595-23432617	2	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGGTCGACTACCGG	+	5	2	0	6.06	3.03
Chr4:49010447-49010469	4	RNA	GGCCGAGGTCGACTACCGG	G-CAGGTCGcTcTgTCCGAG	+	5	2	0	6.06	3.03
Chr10:29619551-29619573	5	RNA	GGCCGAGGTCGACTACCGG	GG-CaCTGgTgGACTCCGCGG	+	5	2	0	6.06	3.03
Chr3:211952508-211952530	4	RNA	GGCCGAGGTCGACTACCGG	G-aCGGTCGACgCaGgCGGG	+	5	1	0	6.06	3.03
Chr8:39542492-39542514	2	RNA	GGCCGAGGTCGACTACCGG	GTCgAGGTCGAG-aCGCaCGG	+	5	1	0	6.06	3.03
Chr10:6663614-6663636	3	DNA	GGCCGAGGTCGACTACCGG	GCTCGGTCGcTCCGCTGG	+	5	1	0	6.06	3.03
Chr6:81702532-81702554	2	RNA	GGCCGAGGTCGACTACCGG	GTCGCaA-aAGTACCGGaaG	+	5	2	0	6.06	3.03
Chr4:40538516-40538538	4	DNA	GGCCGAGGTCGACTACCGG	GcCCaCaTGCCTACCGCGCCAG	+	5	2	0	6.06	3.03
Chr6:83379081-83379103	5	RNA	GGCCGAGGTCGACTACCGG	G-aCTAGGgGAGCACCgCGGG	+	5	1	0	6.06	3.03
Chr9:143900795-143900817	3	RNA	GGCCGAGGTCGACTACCGG	GCCAGGTCGCA-ATGtTGG	+	5	2	0	6.06	3.03
Chr2:52432759-52432781	2	RNA	GGCCGAGGTCGACTACCGG	GaaHAGGTCGACTACCGG	+	5	2	0	6.06	3.03
Chr1:239824175-239824197	2	RNA	GGCCGAGGTCGACTACCGG	GcCCGAGGTCGCA-ACtCGCGG	+	5	2	0	6.06	3.03
Chr2:183812566-183812588	5	DNA	GGCCGAGGTCGACTACCGG	GcCCGAGGTCGAGCaCCGCGGG	+	5	1	0	6.06	3.03
Chr4:44956370-44956392	3	RNA	GGCCGAGGTCGACTACCGG	TGc-AGGTCgTcAGgCGCGAG	+	5	2	0	6.06	3.03
Chr4:201718685-201718707	2	RNA	GGCCGAGGTCGACTACCGG	GTCGAGGTCG-CgCGGAG	+	5	1	0	6.06	3.03
Chr3:13342931-13342953	3	RNA	GGCCGAGGTCGACTACCGG	GGC-AGGcAGcACTCCGCGG	+	4	2	0	6.06	3.03
Chr1:267072992-267073014	5	DNA	GGCCGAGGTCGACTACCGG	GGCTCgGgGcTcCaCgCGCGGG	+	5	2	0	6.06	3.03
Chr2:117524235-117524257	3	RNA	GGCCGAGGTCGACTACCGG	cCG-CaCaGACTACCGCGGG	+	5	2	0	6.06	3.03
Chr5:138036569-138036591	3	RNA	GGCCGAGGTCGACTACCGG	GGC-AGGcCaCACCgCGGG	+	3	2	0	6.06	3.03
Chr9:17768554-17768576	3	RNA	GGCCGAGGTCGACTACCGG	GGC-AGGcCGgCACCgCGGG	+	5	2	0	6.06	3.03
Chr2:20801575-20801597	5	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGTTCaACTCCGCGG	+	5	1	0	6.06	3.03
Chr6:159629597-159629599	3	DNA	GGCCGAGGTCGACTACCGG	GaCGGTCGAGGcCGgGCGGAG	+	5	2	0	6.06	3.03
Chr5:24489734-24489756	3	RNA	GGCCGAGGTCGACTACCGG	GCCGAGGTC-CTaCTCgCGAG	+	4	2	0	6.06	3.03
Chr4:927905-927927	3	RNA	GGCCGAGGTCGACTACCGG	GGCCGcG-GCaCaAaCgAAG	+	5	1	0	6.06	3.03
Chr5:18605364-18605386	3	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGTcG-TgTcCGAGG	+	5	2	0	6.06	3.03
Chr6:10600754-10600776	5	RNA	GGCCGAGGTCGACTACCGG	GaCCAGGTCcTcGCa-GaCG	+	5	2	0	6.06	3.03
Chr3:179281155-179281177	2	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGTTCgTCTC-GCGGG	+	3	2	0	6.06	3.03
Chr1:89413185-89413207	3	RNA	GGCCGAGGTCGACTACCGG	aGCCAGGcG-CaCtGgCGAG	+	5	1	0	6.06	3.03
Chr8:37497992-37498014	3	RNA	GGCCGAGGTCGACTACCGG	GgGTCGAGGcGCa-aaHAGGAGG	+	5	1	0	6.06	3.03
Chr8:83380376-83380398	3	RNA	GGCCGAGGTCGACTACCGG	GGCCGTCGAGgAGCaACAG	+	5	1	0	6.06	3.03
Chr4:85007047-85007069	5	DNA	GGCCGAGGTCGACTACCGG	GcCCAGGTCGCTTgTACcCTGG	+	5	2	0	6.06	3.03
Chr4:91487901-91487923	3	RNA	GGCCGAGGTCGACTACCGG	GGCCGAGTTCcTCTC-GCCAG	+	5	1	0	6.06	3.03
Chr8:134314717-134314739	5	DNA	GGCCGAGGTCGACTACCGG	GGCCGAGGTCGcTcAGgCtCGGG	+	5	1	0	6.06	3.03
Chr1:17752534-17752556	3	DNA	GGCCGAGGTCGACTACCGG	GaCaAGGTCaACTgTCTGCaTGG	+	5	1	0	6.06	3.03
Chr1:248317774-248317796	2	RNA	GGCCGAGGTCGACTACCGG	GgHAG-CaACTAaCgTCAAG	+	5	2	0	6.06	3.03
Chr2:33213866-33213888	3	RNA	GGCCGAGGTCGACTACCGG	GgCaAGTcGAGg-CGCGAG	+	5	2	0	6.06	3.03
Chr8:75568215-75568237	3	RNA	GGCCGAGGTCGACTACCGG	GagCGA-TGcTcCaCCGCGAG	+	5	1	0	6.06	3.03
Chr8:58903585-58903607	5	X	GGCCGAGGTCGACTACCGG	GGCCCaAGcGAGCaCaCGCGG	+	5	0	0	6.06	3.03
Chr2:147395006-147395028	3	DNA	GGCCGAGGTCGACTACCGG	GGCCAGGTCGAGgTgGCGGG	+	5	2	0	6.06	3.03
Chr2:104049539-104049561	5	RNA	GGCCGAGGTCGACTACCGG	ttCCAGGTCGCA-ACCgGCGAG	+	5	2	0	6.06	3.03
Chr8:12098300-12098322	3	RNA	GGCCGAG							

Chr1:67539943-67539965	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCAGGcCGAgT-CGGIAGG	-	5	2	6	0.00	3.00
Chr5:216890104-216890126	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GG-GaAGTGAACtCAcCAAG	+	4	2	6	0.00	3.00
Chr4:65705658-65705680	6	RNA	GGCCGAGGTGCACTACCGGCRNG	GGcCGAGG-GtTtCAcCaGgAGG	+	5	1	6	0.00	3.00
Chr8:95257752-95257774	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GACCGAGG-GGACaCaGgAGG	+	5	1	6	0.00	3.00
Chr6:159611040-159611062	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cTtCCAGgTAG	+	5	2	6	0.00	3.00
Chr7:106612436-10661458	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCAcCaGgAGG	-	4	1	6	0.00	3.00
Chr2:131651307-131651329	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGAG-GcGcCaGCGCGGG	-	4	2	6	0.00	3.00
Chr2:63726311-63726333	3	RNA	GGCCGAGGTGCACTACCGGCRNG	gCCtAGTGAACtCAcCAAG	-	4	2	6	0.00	3.00
Chr3:132856517-132856539	3	DNA	GGC-CGAGGTGCACTACCGGCRNG	GGCTCGAGGTCAcCaGgCGGcCGG	+	4	2	6	0.00	3.00
Chr5:211208289-211208311	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCAGTcT-CtCCAGgTGG	-	5	2	6	0.00	3.00
Chr5:99721071-99721093	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGgG-GcACcCAcCGCGGG	-	5	1	6	0.00	3.00
Chr2:191038543-191038565	5	RNA	GGCCGAGGTGCACTACCGGCRNG	cCGCGGTGCAc-CtGgTATG	-	5	2	6	0.00	3.00
Chr9:20794407-20794429	5	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CtCGGgGcGAGtACCGGcAGG	-	5	1	6	0.00	3.00
Chr3:12643969-12643991	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GgAcCGAGTCTGcTACCGGcTGG	-	5	1	6	0.00	3.00
Chr1:146155367-146155389	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CtCGGgGcGAGtACCGGcAGG	+	5	1	6	0.00	3.00
Chr2:72470284-72470306	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGgACCGAGGcGAGcCGGcAAG	+	5	2	6	0.00	3.00
Chr1:190346228-190346250	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGcACAGTCC-GtTcCaGtTGG	+	5	2	6	0.00	3.00
Chr3:70899041-70899063	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GAcCGAGGcGtCHTCAcCG-CGGG	-	4	1	6	0.00	3.00
Chr9:77411136-77411158	5	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CcCGAGTgGcGctCGGcGAG	-	5	1	6	0.00	3.00
Chr1:108825688-108825710	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CcCAAGtAaCAcCAcCGTCTGG	+	5	1	6	0.00	3.00
Chr2:225361920-225361942	5	RNA	GGCCGAGGTGCACTACCGGCRNG	actgGCGTCCACT-CCGCGCGG	-	5	1	6	0.00	3.00
Chr5:71895882-71895904	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GCGCGAGGTGcGcCAcC-ITGG	-	4	2	6	0.00	3.00
Chr10:93666644-93666666	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GctCAAGcC-TAaCGCGcAGG	-	5	2	6	0.00	3.00
Chr3:34385661-34385683	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CGAGTCTAGcCGCGCGGG	-	5	2	6	0.00	3.00
Chr6:113142918-113142940	3	RNA	GGCCGAGGTGCACTACCGGCRNG	atTCGgGT-GtCCACCGCGCGGG	+	5	1	6	0.00	3.00
Chr1:141654652-141654674	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCAcCaGgAGG	-	5	1	6	0.00	3.00
Chr1:132746271-132746293	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGcGtGCTGCAcCGCGCGGG	-	5	1	6	0.00	3.00
Chr3:59560648-59560670	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgAcGgTCTGACT-CCGtTGG	+	5	1	6	0.00	3.00
Chr9:118995348-118995370	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGTGCAcCaGgCGCGG	+	5	1	6	0.00	3.00
Chr1:35071769-35071791	5	X	GGCCGAGGTGCACTACCGGCRNG	GgCGGgGtGcGcAgCGCGCGG	-	5	0	6	0.00	3.00
Chr10:99023149-99023171	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGAGTCAcCAcCGTCTGG	-	4	2	6	0.00	3.00
Chr6:43494395-43494417	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGAGGTGCACTACCGGcTAG	-	5	1	6	0.00	3.00
Chr5:18520067-18520089	5	RNA	GGCCGAGGTGCACTACCGGCRNG	cCGcAGTCTGACT-CCGG	+	5	2	6	0.00	3.00
Chr10:142691979-14269201	5	DNA	GGC-CGAGGTGCACTACCGGCRNG	GGCTCGGgGcTCAcCaCGCGCGGG	-	5	2	6	0.00	3.00
Chr4:225409632-225409654	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GCCCGAGTcGcGcCaGgTAG	+	5	1	6	0.00	3.00
Chr1:123923346-123923368	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GCCcAGTCTGTA-TGGCTGG	-	5	2	6	0.00	3.00
Chr2:124762213-124762235	3	DNA	GGC-CGAGGTGCACTACCGGCRNG	GCGCGGtGcGCTCGAcGgCGCAAG	+	5	1	6	0.00	3.00
Chr5:178180723-178180745	3	RNA	GGCCGAGGTGCACTACCGGCRNG	t-CGgGcGtCHTCTCGCTGG	+	5	2	6	0.00	3.00
Chr8:10689847-10689869	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cGCGGTCTGCAcCaGgCGGG	-	5	1	6	0.00	3.00
Chr7:46237825-46237847	3	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-AGTCTCAcCaGgCGAGG	+	5	2	6	0.00	3.00
Chr2:157494426-157494448	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGtGAGcGAGcCaGgAGG	-	5	2	6	0.00	3.00
Chr9:14443523-14443545	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GtTCAGATGTGAGTAgCGCGGAG	+	5	2	6	0.00	3.00
Chr8:9467677-9467699	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGAGTCAcCAcCGTCTGG	-	4	2	6	0.00	3.00
Chr2:118140559-118140581	5	RNA	GGCCGAGGTGCACTACCGGCRNG	cCGcAaGAGTCTGc-GCGGG	-	5	2	6	0.00	3.00
Chr9:8176195-8176217	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgTCcGtCCAGcCtCCCGCGGG	+	5	1	6	0.00	3.00
Chr1:15512967-15512989	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCAcCaGgAGG	-	5	1	6	0.00	3.00
Chr2:40746979-40747001	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCAGGcCGCA-ACtCGgTGG	-	5	2	6	0.00	3.00
Chr5:38850092-38850114	5	RNA	GGCCGAGGTGCACTACCGGCRNG	tg-GAGTtGcCaACCGgTAG	-	5	2	6	0.00	3.00
Chr2:199881248-199881270	5	RNA	GGCCGAGGTGCACTACCGGCRNG	t-CGgGcGtCHTCTCGCTGG	-	5	2	6	0.00	3.00
Chr9:52723075-52723097	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCAAG-CAcGATAggAGTAG	+	5	2	6	0.00	3.00
Chr6:135676726-135676748	3	RNA	GGCCGAGGTGCACTACCGGCRNG	aaCCAGcTCG-gAaCGCGGG	+	5	2	6	0.00	3.00
Chr2:149630337-149630359	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGc-AGTcCAcCtCCCGCGGG	+	5	1	6	0.00	3.00
Chr8:120335079-120335101	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGc-HtGcGACTACCGTCTGG	+	4	2	6	0.00	3.00
Chr5:8878585-88785307	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgAcAGTCTGACTA-agtCAAG	+	5	2	6	0.00	3.00
Chr5:211083589-211083611	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGcCGCAc-CcGtCAAG	+	5	2	6	0.00	3.00
Chr8:60853116-60853138	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGc-HtGcGACTACCGTCTGG	+	5	2	6	0.00	3.00
Chr4:38855771-38855799	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGc-AGGcAGcCAcCGCGCGGG	+	5	2	6	0.00	3.00
Chr2:103752146-103752168	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GcCGCGTtGACTAaCtCGcGAGG	+	5	2	6	0.00	3.00
Chr4:22135726-22135748	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cTtCCAGTcGcCT-CCGCGGG	-	5	1	6	0.00	3.00
Chr1:281412146-281412168	5	DNA	GGC-CGAGGTGCACTACCGGCRNG	GCGCTCGGgGcTCAcCaCGCGCGGG	-	5	2	6	0.00	3.00
Chr9:55197101-55197123	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AaCTCGcTCTCGCTGG	-	5	1	6	0.00	3.00
Chr2:119960514-119960536	3	DNA	G-CGCCGAGGTGCACTACCGGCRNG	GcCGAGGcCAcGcCAcCGCGCGGG	+	5	2	6	0.00	3.00
Chr10:76266404-76266426	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGcCGCAc-CcGtCAAG	-	5	2	6	0.00	3.00
Chr4:69757015-69757037	5	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cCGAGGTGCAcCaGgCGCGGG	-	4	1	6	0.00	3.00
Chr2:29891318-29891340	5	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-GAGcTCAcCT-CCGCGAGG	-	4	2	6	0.00	3.00
Chr8:38341080-38341102	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGcCGAGGTGCAcCaGgAGG	-	5	2	6	0.00	3.00
Chr3:23193788-23193810	5	RNA	GGCCGAGGTGCACTACCGGCRNG	G-HCGcCTCGcCAcCGCGCGGG	-	5	1	6	0.00	3.00
Chr2:116690125-116690147	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGcHtGCTGAGgACCGCGGG	-	5	1	6	0.00	3.00
Chr2:5869429-5869451	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GCGCGAGGcCAcCaGtCGCGGG	-	5	1	6	0.00	3.00
Chr6:9777564-9777586	3	RNA	GGCCGAGGTGCACTACCGGCRNG	agCCAGTcT-CtCCGgGAG	+	5	2	6	0.00	3.00
Chr9:61102069-61102091	5	RNA	GGCCGAGGTGCACTACCGGCRNG	tg-GAGgAGcAGcCAcCGTCTGG	-	5	2	6	0.00	3.00
Chr1:27660438-27660460	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgAG-GAGTCAcAGcACCGCGAG	-	5	1	6	0.00	3.00
Chr5:6822139-6822261	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGgGACTACCGTCTGG	-	5	2	6	0.00	3.00
Chr10:50542966-50542988	5	RNA	GGCCGAGGTGCACTACCGGCRNG	Gc-AGGcAGcAGcCAcCGCGGG	+	5	2	6	0.00	3.00
Chr7:1563558-1563580	5	RNA	GGCCGAGGTGCACTACCGGCRNG	agCCAGGAGcAGcCAcCGCGAG	-	5	1	6	0.00	3.00
Chr5:218328654-21832887	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCAcCaGgAGG	-	5	1	6	0.00	3.00
Chr3:210170747-21017096	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GCGCGcGcTtGc-TcCGCGAGGG	+	5	2	6	0.00	3.00
Chr9:65079073-65079095	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GCGc-AGGcCAcCtCCCGCGGG	+	4	2	6	0.00	3.00
Chr6:72911352-72911374	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cCGGgGCTGCAcCaGgCGGG	-	5	1	1	4.96	2.98
Chr3:62192763-62192785	4	RNA	GGCCGAGGTGCACTACCGGCRNG	cCGCGAGTcCAaTATC-CTAG	+	5	2	1	4.96	2.98
Chr2:33514086-33514108	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGtCAcCtCCCGCGGG	-	5	2	2	3.86	2.93
Chr4:191426183-191426205	4	RNA	GGCCGAGGTGCACTACCGGCRNG	caCAAGTCTGcCT-CCGCGCAG	-	5	1	2	3.86	2.93
Chr5:82350877-82350899	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGcCAcCtCAcCGCGGG	-	4	1	2	3.86	2.93
Chr1:73313951-73313973	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-GAGGTGAGgGgGgGAG	-	5	1	3	2.75	2.88
Chr10:6061312-6061334	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGTCTCAcCT-CCGCGAGG	-	4	1	4	1.65	2.83
Chr10:10319082-10319104	5	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-GcCGAGGTGCAcCaGgAGG	-	5	2	4	1.65	2.76
Chr3:12360771-12360793	3	RNA	GGCCGAGGTGCACTACCGGCRNG	atCCAGGcTCAc-CCGCGCAG	-	5	2	5	0.55	2.78
Chr3:27939723-27939745	3	DNA	GGCCGAGGTGCACTACCGGCRNG	caGcAGGTGCAcCAcCGCGCGGG	-	4	1	0	5.51	2.76
Chr4:32708440-32708462	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGgGAGGcGSA-ACaGgGAG	+	5	2	0	5.51	2.76
Chr10:24810560-24810582	3	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-gcGtCAcCTGcTCAcGAGG	+	5	2	0	5.51	2.76
Chr2:161671483-161671505	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GCGCGAGGTAgcCAaT-CTGG	+	4	2	0	5.51	2.76
Chr8:131056168-131056190	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGgGACTACCGTCTGG	+	4	2	0	5.51	2.76
Chr5:39204058-39204080	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgAcAAGTCTGc-TcCaGtTGG	+	5	2	0	5.51	2.76
Chr5:114002789-114002811	3	DNA	GGC-CGAGGTGCACTACCGGCRNG	GaCAAGGtGCTGcAGcAGcCGGG	-	5	2	0	5.51	2.76
Chr4:12783698-12783720	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGGcGCTGCAcCaGgCGAG	+	5	1	0	5.51	2.76
Chr8:94701654-94701676	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCCAGGcGSAcCaGgAGG	-	5	1	0	5.51	2.76
Chr4:160175695-160175717	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGcAGTCAcCGTCTGG	+	4	2	0	5.51	2.76
Chr9:51972710-51972732	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGcAGcCAcCAGTGGCAG	+	4	2	0	5.51	2.76
Chr2:24626185-24626207	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGgGACTACCGTCTGG	+	4	2	0	5.51	2.76
Chr8:136445037-136445059	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCGc-GTCTGcAGcGgAGG	+	5	2	0	5.51	2.76
Chr8:124912135-124912157	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGTGcCAcCGCGcAAG	-	5	1	0	5.51	2.76
Chr6:91836601-91836623	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GCGcAGTCTCAcCAcCGCGGG	-	5	1	0	5.51	2.76
Chr8:143752936-143752958	4	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-AGG						

Chr5:76511711-76511729	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCCGAGG-CGACgAcaGAGG	+	5	1	0	5.51	2.76
Chr8:65327322-65327344	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	gCCCGAGGTGAACTCCG-AGAG	-	5	1	0	5.51	2.76
Chr10:64853316-64853338	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGAGGcGACT-CGcCAAG	+	5	2	0	5.51	2.76
Chr4:50989463-50989485	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GagaGgGTGCTGcT-CGGCCGG	-	5	2	0	5.51	2.76
Chr5:138899230-138899252	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	tCCGAGTGCATTA-AGcAGG	+	5	2	0	5.51	2.76
Chr2:1889307-1889311	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGAGGTGcG-AGGAGTGGG	+	5	2	0	5.51	2.76
Chr4:45282082-45282104	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cCGGTGTGCAcAaGgCGGG	+	5	1	0	5.51	2.76
Chr7:10962590-10962612	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgACGAGcTCCGCT-GGCTGG	-	5	1	0	5.51	2.76
Chr4:204318800-204318822	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CGGGTGATgACtGAGCGG	-	5	2	0	5.51	2.76
Chr4:20023417-20023439	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGGTGCAgAg-CGtGGG	+	5	2	0	5.51	2.76
Chr3:152334774-152334796	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGGcCGAGcActaCGCGG	-	5	2	0	5.51	2.76
Chr1:111975100-111975118	3	DNA	GGC-CGAGGTGCACTACCGGCGNRG	GaCAACGgGTGCGAGcAgaCGGG	-	5	2	0	5.51	2.76
Chr4:173332208-173332230	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	TGgCGAGGTGgAgg-CGGGAGG	+	5	2	0	5.51	2.76
Chr2:194479906-194479928	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	TGtaGAGT-GaATACCGCTGG	-	5	1	0	5.51	2.76
Chr5:7230321-7230343	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGcGTGcGCT-CGCTGG	+	5	2	0	5.51	2.76
Chr5:112241586-112241608	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCAcAgCGCGG	+	4	1	0	5.51	2.76
Chr2:122542398-122542420	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCAGcTCACT-CGCGCGAG	-	5	2	0	5.51	2.76
Chr8:75250363-75250385	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGcGCTg-CGGCTG	-	5	1	0	5.51	2.76
Chr4:8562958-8562980	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	agCCGAGcTcGACTCCGcCAAG	-	4	1	0	5.51	2.76
Chr5:145171136-145171158	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CcAGATgACTCGcCTGG	+	5	1	0	5.51	2.76
Chr2:108353742-108353764	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaC-AGGTGCAcCaAGtGAG	+	5	2	0	5.51	2.76
Chr6:139324076-139324098	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCGAGcTcGAC-CGcCAAG	+	5	2	0	5.51	2.76
Chr1:95966370-95966392	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGcCGAcCaGtAGAGG	-	5	1	0	5.51	2.76
Chr7:116767343-116767365	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGcCGAggCTCGCGGG	-	5	1	0	5.51	2.76
Chr8:102046492-102046514	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCC-AGGTGCTcACTCGCGGG	+	3	1	0	5.51	2.76
Chr10:105155678-105155700	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GcCGGAGcGgG-TAGCGCGGG	+	5	2	0	5.51	2.76
Chr4:85296426-85296448	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GaCTCGAGGTGcTcACTCCGcCAAG	+	5	2	0	5.51	2.76
Chr7:9670804-9670806	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgACAGGTGCAgAg-CGGCGG	+	4	1	0	5.51	2.76
Chr8:106926614-106926636	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCCCGgTcGACTcCGGAGG	+	5	2	0	5.51	2.76
Chr8:22618385-22618389	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGGTGCACTACCGGCGNRG	+	5	1	0	5.51	2.76
Chr9:100306060-100306082	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGAGAGcGcTAC-CcCGCGG	+	5	2	0	5.51	2.76
Chr1:218649619-218649641	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	tCCGAG-CagCTAcCGCGAG	-	5	2	0	5.51	2.76
Chr4:35292644-35292666	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	agCaAGGTGCT-CtACAGCGAG	+	4	2	0	5.51	2.76
Chr2:214053615-214053637	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cCGGgTCCGAcCaGgCGGG	-	5	1	0	5.51	2.76
Chr8:47814225-47814247	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	Gg-GGcGcTGGACCGCGAG	-	5	2	0	5.51	2.76
Chr3:158011792-158011814	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cGgGTGCTGcTcAGTGGAG	+	5	1	0	5.51	2.76
Chr9:76069600-76069622	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	5.51	2.76
Chr5:5049058-5049080	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	TCGcGgTcTcTACC-CTGG	-	5	2	0	5.51	2.76
Chr4:117007892-117007914	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	3	1	0	5.51	2.76
Chr8:118315427-118315449	4	X	GGCCGAGGTGCACTACCGGCGNRG	GgCaAGcGACTAgCaGcAGG	+	5	0	0	5.51	2.76
Chr3:64552259-64552281	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GggGAGGAgACTACCGCGGG	+	5	1	0	5.51	2.76
Chr5:111781100-111781122	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCCAGcTCACT-CGCGCGAG	-	5	1	0	5.51	2.76
Chr4:11473236-11473258	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	agGtTAGTGCaCa-GGCCGG	-	5	2	0	5.51	2.76
Chr7:12938860-12938882	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cAGAGTGCACAGgCGGG	-	4	1	1	4.41	2.71
Chr3:130431026-130431048	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GG-CAGcTcGACTCCGCGNRG	-	5	1	2	3.30	2.65
Chr7:74528155-74528177	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GACTCGAGGTGcTcAGTGGAG	+	4	2	3	3.30	2.65
Chr1:183300743-183300765	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CcMGcGcGACTAGCGGAGG	+	5	1	3	2.20	2.60
Chr2:151640455-151640477	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cCGGgTCCGAGcAGgCGGG	-	5	1	4	1.10	2.55
Chr5:218406195-218406217	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	cG-GAGGgGAAcTcCGcTGG	+	5	2	4	1.10	2.55
Chr7:172676964-172676986	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	tGGCAGTGG-TcCGCTGG	+	5	2	5	0.00	2.50
Chr9:7785646-7785668	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	cGgCAGGcTcGACTCCGCGNRG	-	5	2	5	0.00	2.50
Chr3:41459758-41459780	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	caCCGAGGTGAG-CCGAGG	+	5	2	5	0.00	2.50
Chr2:127323580-127323602	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	agHcAGTCTGACTC-ICGAG	-	5	2	5	0.00	2.50
Chr8:58388506-58388528	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGTcGAG-TcTACTAcctAAG	-	5	1	5	0.00	2.50
Chr7:55023024-55023046	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	agCCAGGcTgTcGCT-CGgCTGG	-	5	1	5	0.00	2.50
Chr3:12078784-12078796	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	Gg-AGGcTcGCTGcTGGAG	+	5	1	0	0.00	2.50
Chr5:45619841-45619863	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CGAGGTGCACTACCGGCGNRG	+	3	2	5	0.00	2.50
Chr3:17913195-17913217	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGCaACTGACTACCa-CGAG	-	5	1	5	0.00	2.50
Chr4:133565679-133565701	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGcTcGCT-CtGgGcGAGG	-	5	2	5	0.00	2.50
Chr9:154291337-154291359	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	agCaAG-CaCaACTCCGAG	+	5	2	5	0.00	2.50
Chr10:65936308-65936330	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GTCcG-GTgCaACTCCGAG	-	5	2	5	0.00	2.50
Chr2:231454238-231454260	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGcGAcCaGcAG-CGAG	+	5	2	5	0.00	2.50
Chr7:120068997-120069019	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgTcAGGTGcTcTc-GGCGAG	+	5	1	5	0.00	2.50
Chr1:192787286-192787308	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GggCGAGGTGCACTcGgGAGG	+	5	1	5	0.00	2.50
Chr5:103391091-103391113	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	Gg-GAaGcTcGAAcTCCGCGAG	-	5	2	5	0.00	2.50
Chr10:3803698-3803699	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaggGAGTGCATG-TcGGAGG	+	5	2	5	0.00	2.50
Chr8:171311548-171311570	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	cGCTGAGGTGCACTAGCGGAG	-	5	1	5	0.00	2.50
Chr1:97695165-97695187	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GG-GAGATgACTcCGGAGG	+	5	2	5	0.00	2.50
Chr8:144061144-144061166	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGcG-GGcCaCTcCGCTGG	-	5	1	5	0.00	2.50
Chr5:223785019-223785041	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGgGcCaCaCa-CGCTGG	-	5	2	5	0.00	2.50
Chr1:217765429-217765451	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GCaTcAGTcGACTCAcCGGATGG	-	5	2	5	0.00	2.50
Chr8:85459239-85459261	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgACAGGATg-ggCGCGGG	+	4	2	5	0.00	2.50
Chr7:1512817-1512839	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GTCAGcGgCGGT-CtGgGgG	-	5	2	5	0.00	2.50
Chr1:211205132-211205154	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cCGGgTCCGAcCaGgCGGG	-	5	1	5	0.00	2.50
Chr6:159078741-159078763	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcTgAGcTcGCA-CGtCAGG	+	5	2	5	0.00	2.50
Chr1:13041725-13041747	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCGAGGTGCACTACCGGCGNRG	+	5	2	5	0.00	2.50
Chr1:162784612-162784634	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGACTcGc-ActcAGCAG	-	5	2	5	0.00	2.50
Chr6:144539158-144539180	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GaCAACGgGTGCGAGcAgaGCGGG	+	5	2	5	0.00	2.50
Chr2:65855349-65855371	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGAGGTGCACTcCaGCGCGG	-	5	2	5	0.00	2.50
Chr10:86321315-86321337	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	agCCGAGGcTcGCT-CGcGCTGG	-	5	1	5	0.00	2.50
Chr4:46369098-46369120	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCCcATgGcAGgAg-CGCGG	+	5	2	5	0.00	2.50
Chr7:66541582-66541604	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCaAGcAGgCaCaG-CGCGAG	+	5	2	5	0.00	2.50
Chr10:136500128-136500150	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGcCAcGT-ActcAGGgGgG	-	4	2	5	0.00	2.50
Chr10:9711459-9711481	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	TgGagAGGgC-CTAcTcCAGG	-	5	2	5	0.00	2.50
Chr10:77052172-77052194	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTCCGCTGG	-	4	2	5	0.00	2.50
Chr9:6047959-6047981	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGAGG-AGGcTcGACTCCGCGNRG	+	5	2	5	0.00	2.50
Chr10:135176533-135176555	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GgCtCGgGTCCGAcTcCGCGCGGG	+	5	2	5	0.00	2.50
Chr1:208246274-208246296	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCaAGcAG-CAc-CGCGAGG	+	5	2	5	0.00	2.50
Chr6:33387550-33387572	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	eCCGAGGTG-TcCaGgAGAG	+	5	2	5	0.00	2.50
Chr3:211293273-211293295	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	agC-AGgGcGcTcCGCGAGG	+	5	2	5	0.00	2.50
Chr7:66242738-66242760	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCG-GTcCaCTcGcAGAGG	-	5	2	5	0.00	2.50
Chr10:111236500-111236522	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGAc-GTcGCaACTCCGCGAG	-	5	2	5	0.00	2.50
Chr10:124294629-124294651	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cAGGgTCCGAcCaGgCGGG	+	5	1	5	0.00	2.50
Chr4:123728515-123728537	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GcCCGAGGTGcCaACTCCGCGAG	+	4	2	5	0.00	2.50
Chr1:292730640-292730662	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGAGGTGCTGGACTcATcCGG	-	5	2	5	0.00	2.50
Chr4:180225805-180225827	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cGgGTCCGAcCaGcCGG	+	5	1	5	0.00	2.50
Chr2:169572671-169572693	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GgCcaAGgGgAAACTCCGCGAG	+	5	2	5	0.00	2.50
Chr10:98651813-98651835	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGAGGTGCTcGcTCCGCGAG	-	4	1	5	0.00	2.50
Chr5:109297039-109297061	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgTcGATcTcG-TATcCaCAAG	-	4	1	5	0.00	2.50
Chr2:16319893-16319915	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GTCcAGG-CaCaCaGcCGGG	-	5	1	5	0.00	2.50
Chr3:223007823-223007845	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCCGAGaaACT-CGCGCGAG	-	5	1	5	0.00	2.50
Chr5:176728105-176728127	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgC-AGGgTgAGgagCGCGAG	-	5	1	5	0.00	2.50



Chr4:70087974-70087996	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GcCCAGGacCaCaCC-ITGG	+	5	2	5	0.00	2.50
Chr6:61773294-61773316	3	DNA	GGCCGAGGTCG-ACCTACCGGCRNG	GGCCGAGTCGGAGCcaCaCGGG	+	5	1	5	0.00	2.50
Chr3:9295106-9295128	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GgGcG-GgcCaCctCCGGCCGG	+	5	1	5	0.00	2.50
Chr7:101933327-101933349	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCAG-agaTtGcaGCGCCGG	-	5	2	5	0.00	2.50
Chr3:129442814-129442836	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GaCaG-IGTCGCaCaCgGCGGG	-	5	1	5	0.00	2.50
Chr3:145021398-145021415	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGACTACCGGCRNG	+	5	1	5	0.00	2.50
Chr3:239838730-239838752	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GCG-ITGGGACTACCGGCTGG	+	4	2	5	0.00	2.50
Chr1:198971584-198971606	3	DNA	GGCCGAGGTC-AG8TACCAGGCRNG	GcCCAGcTGGCGACTCcaGcCAAG	+	4	2	5	0.00	2.50
Chr3:97830725-97830747	5	DNA	GGCCGAGGTCGA-CTACCAGGCRNG	GGcGAGGtTgGAGGCTgtGGCAAG	-	5	2	5	0.00	2.50
Chr1:194591431-194591453	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GgaCAccGACT-CCGRTAG	-	5	1	5	0.00	2.50
Chr10:81885111-81885133	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GCCG-GTgCaACCgCaCAG	+	5	2	5	0.00	2.50
Chr2:161400844-161400866	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGCT-CgGCTGG	+	4	1	5	0.00	2.50
Chr4:23415534-23415556	3	RNA	GGCCGAGGTCGACTACCGGCRNG	ITGCCAaGcGAC-AGCaCAGG	+	5	1	5	0.00	2.50
Chr3:156398865-156398887	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GCCG-ITGGGACTACCGGCTGG	-	5	2	5	0.00	2.50
Chr2:4492552-4492574	3	RNA	GGCCGAGGTCGACTACCGGCRNG	G-ITCGAGcAGGACTCCGCGAGG	+	5	1	5	0.00	2.50
Chr2:199451763-199451785	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGACTACCGGCRNG	+	5	2	5	0.00	2.50
Chr1:182580711-182580733	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGACTCGcCa-AGCaAG	+	5	2	5	0.00	2.50
Chr4:206598736-206598758	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GgaCAAGCT-GaCAGcGcGAGG	-	5	1	5	0.00	2.50
Chr3:100225721-100225738	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GaCCAAGGTCaCTcG-CTGG	+	5	2	5	0.00	2.50
Chr2:59873070-59873092	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GCG-ITGGGACTACCGGCTGG	+	3	2	5	0.00	2.50
Chr1:137635972-137635994	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGACTCG-actCaCaAG	+	5	2	5	0.00	2.50
Chr2:34031210-34031232	3	RNA	GGCCGAGGTCGACTACCGGCRNG	G-CAcAGcAGCccGcGcGAG	+	5	2	5	0.00	2.50
Chr1:218040835-218040857	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGcGAGGTCG-ITgGtaAG	+	5	2	5	0.00	2.50
Chr1:118689618-118689640	5	RNA	GGCCGAGGTCGACTACCGGCRNG	tagCGAGTgGcGtCAC-GGCGG	-	5	2	5	0.00	2.50
Chr10:13736849-13736871	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GTCrGAGG-actTcaaaCCGG	+	4	2	5	0.00	2.50
Chr7:123278711-123278733	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGACTACCGGCRNG	+	5	2	5	0.00	2.50
Chr8:93717635-93717657	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAG-CAggaAGcCaAG	-	5	2	5	0.00	2.50
Chr2:30605462-30605484	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GggaAGGTCaCgAG-GGcGG	+	5	2	5	0.00	2.50
Chr4:211794527-211794549	5	X	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGAGTcGgGcGAG	-	5	0	5	0.00	2.50
Chr9:52942755-52942777	5	RNA	GGCCGAGGTCGACTACCGGCRNG	G-aCGGgTTCAGcAGcGgG	-	5	1	5	0.00	2.50
Chr9:88453297-88453319	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GG-AGAGTCACTAGcTgAGG	+	5	2	5	0.00	2.50
Chr5:3147718-3147720	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCaAa-CAcCaactCGCTGG	-	5	2	5	0.00	2.50
Chr4:239488684-239488706	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGACT-CCGCGGG	+	3	2	5	0.00	2.50
Chr2:72470288-72470310	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GaCCaAa-CAcAGcCCGCGAG	+	3	2	5	0.00	2.50
Chr1:26259085-26259107	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGCTcGc-CgGCGCGAG	+	5	1	5	0.00	2.50
Chr10:67750513-67750535	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GTCaAGGTCGACT-CAcCaAG	+	5	1	5	0.00	2.50
Chr2:53062851-53062873	5	DNA	GGCCGAGGTCGACTACCGGCRNG	ctCCaAGTTCaCaCACTCCGCGAGG	-	4	2	5	0.00	2.50
Chr9:7013318-7013340	5	DNA	GGCCGAGGTCGACTACCGGCRNG	GTCrGcGAGcGCTCCGCGCTGG	-	5	1	5	0.00	2.50
Chr9:82081647-82081669	5	DNA	GGCCGAGGTCGACTACCGGCRNG	ctGcGAGGTCAGaactCCGCGGAG	-	5	1	5	0.00	2.50
Chr5:151398762-151398784	3	RNA	GGCCGAGGTCGACTACCGGCRNG	Gg-AGaTgAaCTCCGAGG	+	5	2	5	0.00	2.50
Chr1:304742668-304742690	3	RNA	GGCCGAGGTCGACTACCGGCRNG	agCCCGg-agaAaCTCCGCGG	+	5	2	5	0.00	2.50
Chr2:17907161-17907183	3	DNA	GGCCGAGGTCGACTACCGGCRNG	ctCCAGGTCGCaCACTCCGCGAGG	+	5	2	5	0.00	2.50
Chr1:92062580-92062602	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GTCtTgCT-GaCCaCCGCGAG	-	5	1	5	0.00	2.50
Chr2:133229184-133229206	3	RNA	GGCCGAGGTCGACTACCGGCRNG	G-CAAGGTCGCTACCGCGGG	+	3	2	5	0.00	2.50
Chr4:44510781-44510803	3	RNA	GGCCGAGGTCGACTACCGGCRNG	cCCCGAGTtAGAGT-AGAGG	+	4	2	5	0.00	2.50
Chr8:114282077-114282099	5	DNA	GGCCGAGGTCGACTACCGGCRNG	ITCGcAGGTCGACT-CAcCaAG	+	5	1	5	0.00	2.50
Chr1:28292439-28292461	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCaAGcGc-agaCCGCGGG	+	5	2	5	0.00	2.50
Chr7:182231025-182231047	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGC-ITGGGACTACCGGCTGG	+	4	2	5	0.00	2.50
Chr2:5869796-5869818	5	RNA	GGCCGAGGTCGACTACCGGCRNG	Gg-AGaTgAaCTCCGAGG	-	5	2	5	0.00	2.50
Chr8:25629545-25629567	3	RNA	GGCCGAGGTCGACTACCGGCRNG	G-aCGGgTTCAGcAGcGgG	+	5	1	5	0.00	2.50
Chr7:146414653-146414675	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GgGAGaAGTCAGTTC-ogTGG	+	5	2	5	0.00	2.50
Chr3:138783219-138783241	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGC-ITGGGACTACCGGCTGG	+	5	2	5	0.00	2.50
Chr3:128477406-128477428	5	RNA	GGCCGAGGTCGACTACCGGCRNG	ITG-AGGcGTCAGCaCaGCTAG	-	5	2	5	0.00	2.50
Chr5:165674116-165674138	5	RNA	GGCCGAGGTCGACTACCGGCRNG	G-aCGGgTTCAGcAGcGgG	-	5	1	5	0.00	2.50
Chr2:221870198-221870220	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GgGcAGGTCGAGcAGc-aCGG	+	4	2	5	0.00	2.50
Chr1:151859796-151859818	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGC-ITGGGACTACCGGCTGG	+	5	1	5	0.00	2.50
Chr1:139517907-139517929	3	RNA	GGCCGAGGTCGACTACCGGCRNG	Gg-ITGTCGCaCaCaCGAGG	+	5	2	5	0.00	2.50
Chr8:171457896-171457918	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGcGAGGTCG-ITgGcaAG	-	5	2	5	0.00	2.50
Chr2:131249967-131249989	5	DNA	GGCCGAGGTCGACTACCGGCRNG	ctGCaAGcGcCaCAACTCCGCGAGG	-	5	2	5	0.00	2.50
Chr5:77159066-77159088	3	RNA	GGCCGAGGTCGACTACCGGCRNG	G-aCGGgTTCAGcAGcGgG	+	5	1	5	0.00	2.50
Chr10:266540-266562	3	DNA	GGCCGAGGTCGACTACCGGCRNG	ctCTCGAGTTCGcCaCaCGCGAG	+	5	1	5	0.00	2.50
Chr4:43887934-43887956	5	RNA	GGCCGAGGTCGACTACCGGCRNG	G-aCGGgTTCAGcAGcGgG	-	5	1	5	0.00	2.50
Chr2:88096193-88096215	5	X	GGCCGAGGTCGACTACCGGCRNG	GgaAGGTCGcCTAGCGGCTGG	-	5	0	5	0.00	2.50
Chr6:19224183-19224205	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGC-ITGGGACTACCGGCTGG	-	4	2	5	0.00	2.50
Chr3:15524289-15524311	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GcCaAGGTCGACTACCGGCTGG	-	5	2	5	0.00	2.50
Chr2:28078546-28078568	3	RNA	GGCCGAGGTCGACTACCGGCRNG	ITCGcAGGTCGACT-AGgAGCGGAG	+	5	1	5	0.00	2.50
Chr7:79915664-79915686	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GCCaAGG-CACTGCTGCGCGG	+	5	1	5	0.00	2.50
Chr7:74928865-74928887	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GcGcAGGTCIACtTgCTG-CCGG	-	5	1	5	0.00	2.50
Chr8:170611572-170611594	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGCT-CgGCTGG	+	4	1	5	0.00	2.50
Chr7:163533997-163534019	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCAG-CAcAGcGcGAGG	+	5	2	5	0.00	2.50
Chr7:119842350-119842372	3	DNA	GGCCGAGGTCGACTACCGGCRNG	GgGcAGGTCGCaATgGAGCAGG	+	5	1	5	0.00	2.50
Chr2:66148672-66148694	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCCa-TCGtCaCgGCGAG	+	5	2	5	0.00	2.50
Chr2:22445536-22445558	3	RNA	GGCCGAGGTCGACTACCGGCRNG	G-CTcGgGTCAGTACCGCGAGG	+	5	1	5	0.00	2.50
Chr4:53984293-53984315	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGAGcCaGcGCGG	+	4	1	5	0.00	2.50
Chr4:12529706-12529728	3	DNA	GGCCGAGGTCGACTACCGGCRNG	GGCTCTGgGTCaCaCCCGGCGGG	+	5	2	5	0.00	2.50
Chr9:3647800-3647802	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGACTACCGGCRNG	+	5	2	5	0.00	2.50
Chr8:7139077-7139099	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GTCcC-ITgGgTTCAGGCaAG	+	5	2	5	0.00	2.50
Chr6:45157195-45157217	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GcCaAaGTCaACT-CAAG	+	5	2	5	0.00	2.50
Chr7:106275519-106275541	5	RNA	GGCCGAGGTCGACTACCGGCRNG	eCCAGcCTCGA-TACtCGtGG	-	5	2	5	0.00	2.50
Chr5:136248185-136248207	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GCGctaaTTCAGCT-CCGCGAG	-	5	1	5	0.00	2.50
Chr4:160494645-160494667	5	DNA	GGCCGAGGTCGACTACCGGCRNG	ctCCaAGcGcCaCACTCCGCGAGG	-	5	2	5	0.00	2.50
Chr4:156124844-156124866	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GaGAGcAGTTCGAC-CCGAGG	+	5	2	5	0.00	2.50
Chr10:36509790-36509812	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGC-AGGcGcCaCAGcGAG	-	5	1	5	0.00	2.50
Chr10:78995573-78995595	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGC-AGAGTTCAGcAGcGAG	-	4	1	5	0.00	2.50
Chr5:36540877-36540899	3	RNA	GGCCGAGGTCGACTACCGGCRNG	ITG-AGAGGTCAGcAGcCTCGCTGG	+	5	2	5	0.00	2.50
Chr6:4719614-4719636	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGGTCGACTACCGGCRNG	+	5	2	5	0.00	2.50
Chr7:77796091-77796113	3	DNA	GGCCGAGGTCGACTACCGGCRNG	GGCCcAGcGcGAGTACGCGAGG	+	5	1	5	0.00	2.50
Chr3:96386434-96386456	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GTCrGAGGTCaCT-CCGCTGG	+	4	2	5	0.00	2.50
Chr4:67320914-67320936	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCGAGTcAGCTG-GGCTAG	+	4	2	5	0.00	2.50
Chr1:109314742-109314764	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GGCCAGAGcAGcCT-CgGCTGG	-	4	1	5	0.00	2.50
Chr8:54564954-54564976	3	DNA	GGCCGAGGTCGACTACCGGCRNG	GaCaTAGGTCGAGcCaCaCGGCGG	+	5	1	5	0.00	2.50
Chr8:127697101-127697123	3	RNA	GGCCGAGGTCGACTACCGGCRNG	G-aCGGgTTCAGcAGcGgG	+	5	2	5	0.00	2.50
Chr5:192640023-192640045	5	RNA	GGCCGAGGTCGACTACCGGCRNG	agCC-ITGGGACTACCGGCTGG	-	5	2	5	0.00	2.50
Chr4:93186487-93186509	3	RNA	GGCCGAGGTCGACTACCGGCRNG	agCCCGGTCGcGcG-AGCTAG	-	5	2	5	0.00	2.50
Chr8:65248729-65248751	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GgaCAGaATg-ITGCGCGGG	+	5	2	5	0.00	2.50
Chr7:6842897-6842899	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GG-AGGTCAGcAGcGgG	+	5	2	5	0.00	2.50
Chr2:118505663-118505685	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GggGAGGTCG-ITgAGGCTGG	+	5	2	5	0.00	2.50
Chr8:5110933-5110955	5	DNA	GGCCGAGGTCGACTACCGGCRNG	ITCTCAGGTCGCaCACTCCGCGAGG	-	5	2	5	0.00	2.50
Chr10:48124588-48124610	3	DNA	GGCCGAGGTCGACTACCGGCRNG	GGCTCTGgGcTcAGcCaCCGCGGG	+	5	2	5	0.00	2.50
Chr5:158087904-158087926	5	RNA	GGCCGAGGTCGACTACCGGCRNG	GaGagGcGAGCT-CCGCGAG	-	5	1	5	0.00	2.50
Chr3:44342876-44342898	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GgGcCGGT-GACTGCTGCGCGG	-	5	1	5	0.00	2.50
Chr3:31201635-31201657	3	RNA	GGCCGAGGTCGACTACCGGCRNG	ITCCcAGG-AGcAGTgGCAAG	+	5	2	5	0.00	2.50
Chr1:15490356-15490378	3	RNA	GGCCGAGGTCGACTACCGGCRNG	GaTCG-GTTCGAGcAGcGCGGG	+	5	1	5	0.00	2.50

Chr9:104833430-104833452	4	3	RNA	GGCCGAGGTGCACTACCGGNNRG	aGCCG-gcGACaACCaGAG	-	5	2	0	4.96	2.48
Chr10:78339100-78339122	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GcGcAGGTGG-TGcCGCAAG	-	5	2	0	4.96	2.48	
Chr3:67721785-67721807	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTGCACTACCGCACT	-	3	2	0	4.96	2.48	
Chr1:179482810-179482832	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GGaCGAGTTCGcGgCGCGCGTGG	+	5	2	0	4.96	2.48	
Chr5:155583529-155583551	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GbaCAGGTTC-TccCaGTGG	+	5	2	0	4.96	2.48	
Chr2:10991218-10991240	4	RNA	GGCCGAGGTGCACTACCGGNNRG	cg-GAGGAGTACTACCGTGG	+	5	2	0	4.96	2.48	
Chr4:7064764-7064786	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GbaCAGGTTC-TccCaGTGG	-	5	2	0	4.96	2.48	
Chr7:26041820-26041842	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGcGAGGTGG-TGcGbaAGG	+	5	2	0	4.96	2.48	
Chr9:14540222-14540244	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgCGGTGatGcC-CGGCGAG	-	5	2	0	4.96	2.48	
Chr1:167309177-167309199	5	RNA	GGCCGAGGTGCACTACCGGNNRG	acCGATGTGG-TAGaGCTAG	+	5	2	0	4.96	2.48	
Chr5:193726588-193726610	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGcCAAGTTCGg-TcGtGCAAG	-	4	1	0	4.96	2.48	
Chr1:147651919-147651941	4	DNA	GGCCGAGGTGCACTACCGGNNRG	GGcGAGGTTCGtTCgCaAGGCGCAG	-	4	2	0	4.96	2.48	
Chr4:239022854-239022876	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCGAGTcGcAAC-CGGCAAG	-	5	2	0	4.96	2.48	
Chr4:206793171-206793193	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCG-gcCAACTCCGCGAG	+	5	2	0	4.96	2.48	
Chr2:162983071-162983093	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGTCGAGTTC-ACaTAgCaGG	-	5	1	0	4.96	2.48	
Chr8:96802599-96802621	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGcCGAG-TcGCaGgAGGCGGG	+	4	1	0	4.96	2.48	
Chr2:134103104-134103126	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGcCGAGCGcGagAa-GGGCGG	+	3	1	0	4.96	2.48	
Chr6:65982269-65982291	5	RNA	GGCCGAGGTGCACTACCGGNNRG	agC-AGGTGCAgTaaGGCGCG	+	5	2	0	4.96	2.48	
Chr6:108385885-108385907	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgCGAG-TcCAcCaCCaCTAG	+	5	2	0	4.96	2.48	
Chr10:7156174-7156196	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCGCAaTcccTccc-CTGG	-	5	2	0	4.96	2.48	
Chr4:107995249-107995271	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-AGcTgAGTgTgCGCGAG	-	4	1	0	4.96	2.48	
Chr2:49221166-49221188	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GTCGAGGAGcGtCTCCGGTGG	+	4	1	0	4.96	2.48	
Chr9:16620561-16620583	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CTaGTCGgAgACCGTGG	+	5	2	0	4.96	2.48	
Chr5:96941919-96941941	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-cGgGTCGCaCaGgAGCGGG	+	5	1	0	4.96	2.48	
Chr6:145848412-145848434	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGTCGAGTTCG-CaCbaGAG	-	5	1	0	4.96	2.48	
Chr7:133210223-133210245	2	RNA	GGCCGAGGTGCACTACCGGNNRG	cgCGAGGc-GAgGCGCGAG	+	5	2	0	4.96	2.48	
Chr4:14282192-14282214	4	X	GGCCGAGGTGCACTACCGGNNRG	GgCGAGTTCAGaAcGgCGCGG	+	5	0	0	4.96	2.48	
Chr8:22412025-22412047	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GGTGCGCGCaCccCGCGCGG	+	5	1	0	4.96	2.48	
Chr4:208161430-208161452	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GgAGGAGGCACT-CatCAAG	-	5	2	0	4.96	2.48	
Chr6:62578280-62578302	3	RNA	GGCCGAGGTGCACTACCGGNNRG	agC-AGaTCACTaaGGCCGG	+	5	2	0	4.96	2.48	
Chr3:83892362-83892384	3	RNA	GGCCGAGGTGCACTACCGGNNRG	Gg-GaATCaTACCgGCTAG	+	5	2	0	4.96	2.48	
Chr10:99222241-99222263	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGcAAGTACTACAGGCGAG	-	5	1	0	4.96	2.48	
Chr2:75002590-75002612	4	DNA	GGCCGAGGTGCACTACCGGNNRG	agCGAGGCGcGCaACCGCGGAG	+	5	1	0	4.96	2.48	
Chr7:43788995-43789017	3	RNA	GGCCGAGGTGCACTACCGGNNRG	tgCGGcGTCgCT-CGgGCTG	+	5	2	0	4.96	2.48	
Chr2:111869271-111869293	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCcGcT-AGTACTGgGAG	+	5	1	0	4.96	2.48	
Chr2:216523951-216523973	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCC-GHGAGTACTACCGCTGG	+	4	1	0	4.96	2.48	
Chr1:118097494-118097516	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GTCGTCGTCAGC-AGgGCTGG	+	5	1	0	4.96	2.48	
Chr2:182683714-182683936	4	DNA	GGCCGAGGTGCACTACCGGNNRG	agCGAacGgCGACTgCaAGGCGGG	+	5	2	0	4.96	2.48	
Chr4:18892791-18892813	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CCGATTCaACCaCCGCGAG	-	5	1	0	4.96	2.48	
Chr8:14811737-14811759	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CCAGaGTAcCaCCGCTGG	+	5	1	0	4.96	2.48	
Chr8:34557825-34557847	3	RNA	GGCCGAGGTGCACTACCGGNNRG	cgCGcGcCT-CTcCGTCAAG	+	5	2	0	4.96	2.48	
Chr2:1399700-1399722	4	DNA	GGCCGAGGTGCACTACCGGNNRG	GcCGAGGTGCTgTACCCTGGG	+	5	2	0	4.96	2.48	
Chr7:134261506-134261528	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGcCGAGa-CatCTCCGCTGG	+	5	1	0	4.96	2.48	
Chr10:18704782-18704804	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GTCGAGGTgACTAC-GgGATG	-	5	1	0	4.96	2.48	
Chr10:89301823-89301845	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GgAGGAGgGAGT-CGgaCGG	+	5	2	0	4.96	2.48	
Chr8:4299715-4299717	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GgCGAGGc-GAgGCGCGAG	+	5	2	0	4.96	2.48	
Chr8:7352361-7352383	3	RNA	GGCCGAGGTGCACTACCGGNNRG	YGCCGTCGTCGcGg-CGGCGGG	+	4	2	0	4.96	2.48	
Chr2:666036-666058	4	RNA	GGCCGAGGTGCACTACCGGNNRG	tcAaCACTcCT-CCGgAAG	+	4	2	0	4.96	2.48	
Chr9:117044286-117044308	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCCAGccCGaGT-CGgHGCG	-	4	2	0	4.96	2.48	
Chr2:98435223-98435245	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GcCCAGaCaCaCaCCaTGGCAG	+	5	2	0	4.96	2.48	
Chr2:103423915-103423937	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCaAaG-CACTcGgCGCCAG	+	4	2	0	4.96	2.48	
Chr3:131973043-131973065	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgBaAAGTCACTAgCCGCTGG	+	4	2	0	4.96	2.48	
Chr6:152415481-152415503	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GaTAgG-aGCaACCGCGGAG	+	5	2	0	4.96	2.48	
Chr8:109840741-109840763	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgTCG-GcCGCaACCGCGGAG	+	5	1	0	4.96	2.48	
Chr6:11350926-11350948	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GCGCaAgGcGcCT-CGgCGAG	-	4	1	0	4.96	2.48	
Chr4:6551562-65515644	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GCG-HHGAGTACTACCGCTGG	+	4	2	0	4.96	2.48	
Chr1:153168105-153168127	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GCG-GGcCAcCaCCcCGCGGG	+	4	2	0	4.96	2.48	
Chr3:179124793-179124815	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GCG-HtGCGACTACCGCTGG	+	4	2	0	4.96	2.48	
Chr1:304148669-304148691	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GTCtGgTGT-GaCaACCGCGAG	+	5	1	0	4.96	2.48	
Chr2:149089809-149089831	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GCG-AGGcCAcCTCCGCGGG	+	4	2	0	4.96	2.48	
Chr8:74798064-74798086	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GTCtGgGtGgT-acCGGgAAG	+	5	2	0	4.96	2.48	
Chr8:70236156-70236178	4	RNA	GGCCGAGGTGCACTACCGGNNRG	a-CCGAGTTCAGctGgCGGAG	+	5	1	0	4.96	2.48	
Chr2:85574295-85574317	5	RNA	GGCCGAGGTGCACTACCGGNNRG	G-cAGAGTTCAGcAgCGCGGG	+	4	1	0	4.96	2.48	
Chr7:34662937-34662959	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GCG-HtGCaAGTACTACCGCTGG	+	4	2	0	4.96	2.48	
Chr4:106462938-106462960	4	DNA	GGCCGAGGTGCACTACCGGNNRG	agCTAAGTTCGCaAaCaGCTAG	+	5	1	0	4.96	2.48	
Chr1:53396316-53396338	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GCGCGAGGcGAGcAgGCGCTGG	+	4	2	0	4.96	2.48	
Chr7:180147340-180147362	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CCAGAGgAGgAGcCGGCTGG	+	4	1	0	4.96	2.48	
Chr4:145616709-145616731	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGTCAGGcGgC-g-AGCTGgAGG	+	5	2	0	4.96	2.48	
Chr5:116752231-116752253	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCCAGGgGCaCaCCc-gTGG	-	5	2	0	4.96	2.48	
Chr2:63483043-63483065	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GtGTCG-GCaCaCCGCGAGG	-	5	2	0	4.96	2.48	
Chr9:143141983-143142005	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GCGCaAGTtAgg-gCGCGGG	-	5	2	0	4.96	2.48	
Chr5:95635826-95635848	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCT-GGTCACTgTgCGCTGG	+	5	1	0	4.96	2.48	
Chr1:205664183-205664205	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GTCGTAAGGAGcGtCTCCGGTGG	+	4	1	0	4.96	2.48	
Chr3:16510324-16510346	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-GAGGTCtctCTCCGCCAG	+	5	1	0	4.96	2.48	
Chr8:110049406-110049428	2	RNA	GGCCGAGGTGCACTACCGGNNRG	tGaaAGTTCGACTCAg-CAGG	-	5	1	0	4.96	2.48	
Chr7:124425503-124425525	5	RNA	GGCCGAGGTGCACTACCGGNNRG	HGCGAGTTCACTACCGCTGG	+	5	1	0	4.96	2.48	
Chr6:45977536-45977558	5	RNA	GGCCGAGGTGCACTACCGGNNRG	agCGAAGC-CGAGTCCGCGAG	+	5	2	0	4.96	2.48	
Chr5:206529952-206529974	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgCGGTGatGcC-CCGCGAG	+	5	2	0	4.96	2.48	
Chr1:94666673-94666695	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GCG-AGGcGtGcACCGCGGG	-	4	2	0	4.96	2.48	
Chr6:127441781-127441803	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgCaAGG-GaCaACCTCGGG	+	4	2	0	4.96	2.48	
Chr2:164236196-164236218	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GaCC-GGTGTCtCACTGCGGG	+	4	1	0	4.96	2.48	
Chr1:149384055-149384077	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGCGAGGcGg-g-ACCTGgAGG	+	5	2	0	4.96	2.48	
Chr1:137801723-137801745	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GTCGtGT-T-ACCaCGGCaAG	+	5	2	0	4.96	2.48	
Chr8:151879708-151879730	2	RNA	GGCCGAGGTGCACTACCGGNNRG	TG-GAGGgATgAGTgCGGAG	+	5	2	0	4.96	2.48	
Chr4:1517855-1517877	4	RNA	GGCCGAGGTGCACTACCGGNNRG	tg-GAGGTCAGcACTCGCTGG	+	5	2	0	4.96	2.48	
Chr1:263810281-263810303	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GCGCGAGGcGAGcAGGAGGAG	+	5	1	0	4.96	2.48	
Chr9:21156229-21156251	4	RNA	GGCCGAGGTGCACTACCGGNNRG	g-cGgGTCGCaCaAgGCGGG	+	5	1	0	4.96	2.48	
Chr7:31825811-31825833	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgATgGTCGcG-g-cCGCGGG	+	5	1	0	4.96	2.48	
Chr7:165795458-165795480	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCGGTG-gGcTgTCGCGAG	+	5	2	0	4.96	2.48	
Chr5:33545793-33545815	5	RNA	GGCCGAGGTGCACTACCGGNNRG	TgGtC-ctGTGACTACCGCTGG	+	5	1	0	4.96	2.48	
Chr9:74121535-74121557	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GCGaGtGT-ActCGtGCGAG	-	5	2	0	4.96	2.48	
Chr2:159436251-159436273	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCaCa-CGCaACCTGgAG	-	5	2	0	4.96	2.48	
Chr4:165980880-165980902	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-cAGGgTCCAGcAgCGCGGG	+	5	1	0	4.96	2.48	
Chr3:214260258-214260280	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-HtGCGACTACCGCTGG	+	4	2	0	4.96	2.48	
Chr2:121783603-121783625	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GaC-AGGcTAgcTCCGCGAG	-	5	2	0	4.96	2.48	
Chr3:214892996-214893018	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CCGcGgTgGtACTHGGCAG	-	5	1	2	4.96	2.75	
Chr5:223279318-223279400	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GCG-AGAGTTCAGcCaCGAGAG	-	2	1	2	2.75	2.38	
Chr5:176274493-176274515	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GCGGAGGcGtGCT-cGgGATGG	-	5	1	2	2.75	2.38	
Chr5:173848653-173848675	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CCAGaGTCACTCTCGCTGG	+	4	1	3	1.65	2.33	
Chr2:179678271-179678293	3	X	GGCCGAGGTGCACTACCGGNNRG	GCGaAGcGcAGcACCGCGCG	+	5	0	3	1.65	2.33	
Chr4:121416807-121416829	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GaCaAGCAGcGAGcTCCAGCTGG	-	5	2	0	4.41	2.21	
Chr4:156821274-156821296	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-cAGGgTCCAGcAgCGCGGG	+	5	1	0	4.41	2.21	
Chr5:160510373-160510395	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CCAGaGTAcCACTCGCTGG	+	5	1	0	4.41	2.21	
Chr2:120563297-120563319	2										

Chr1:26437689-26437711	26437695	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GtCgaAGgGg-TACCgGAG	-	5	2	0	4.41	2.21
Chr6:169692089-169692111	169692104	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGc-GaTcaACTCaGCTAG	+	5	1	0	4.41	2.21
Chr8:20913523-20913545	20913540	3	DNA	GGCCGAGGTGCACTACCGG-CNNR	GtGcGAGTGCATCTCCGCGG	+	5	1	0	4.41	2.21
Chr10:23768318-23768340	23768324	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGaGa-TACTCgAGG	+	5	2	0	4.41	2.21
Chr2:90292371-90292393	90292376	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCG-GGTGTCACCGCGGG	-	4	1	0	4.41	2.21
Chr6:71306205-71306227	71306211	4	DNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGTTCATCCGCGAG	-	4	1	0	4.41	2.21
Chr2:16285307-16285329	16285325	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCCAGGccCGAT-CGGaAGG	+	5	2	0	4.41	2.21
Chr5:36749334-36749356	36749338	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GaCgGgGTGCTCT-CGgTAG	-	5	1	0	4.41	2.21
Chr2:232550878-232550900	23255085	5	RNA	GGCCGAGGTGCACTACCGGNNRG	caCAGAGTGCCT-CCGCGAG	-	5	1	0	4.41	2.21
Chr3:104176262-104176284	104176269	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCAGGcTccCT-CgGCTGG	-	4	1	0	4.41	2.21
Chr2:210153486-210153508	210153493	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCAGcaTcGcTAC-GCGGG	-	5	2	0	4.41	2.21
Chr7:93462714-93462736	93462729	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-GaAGTcGaaGACtccCAG	+	5	1	0	4.41	2.21
Chr2:188670649-188670671	188670667	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCG-GTtccACCGcAG	+	5	2	0	4.41	2.21
Chr5:119886116-119886138	119886134	2	DNA	GGCCGAGGTGCACTACCGGNNRG	GcTCCGgGAGTCTCCGGCTGG	+	5	1	0	4.41	2.21
Chr7:65064182-65064204	65064200	2	RNA	GGCCGAGGTGCACTACCGGNNRG	cCCGcGcTCT-CgACCGcGGG	+	5	2	0	4.41	2.21
Chr7:94651792-94651814	94651810	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGcTCCGTA-GaCCGG	+	5	2	0	4.41	2.21
Chr7:101820957-101820979	101820963	4	DNA	GGC-CGAGGTGCACTACCGGNNRG	GcTCCGgGcTCTCCGGCTGG	-	5	1	0	4.41	2.21
Chr7:80303198-80303220	80303202	2	RNA	GGCCGAGGTGCACTACCGGNNRG	lGcAGGTGcAC-AcAGcGG	-	5	1	0	4.41	2.21
Chr4:158415050-158415072	158415057	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GA-C-AGTgTgCcaCCGcAG	-	5	2	0	4.41	2.21
Chr10:26799035-26799057	26799042	5	RNA	GGCCGAGGTGCACTACCGGNNRG	cCCGcGataACT-CCGCGAG	-	5	1	0	4.41	2.21
Chr4:222763126-222763148	222763131	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGGTCCAGcAGcGGG	-	5	1	0	4.41	2.21
Chr1:3169837-3169859	3169855	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GGa-AGGcACTACCaGCAAG	+	4	2	0	4.41	2.21
Chr7:5224528-5224550	5224533	3	X	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGTGCAGcTCCGGCTGG	-	5	0	0	4.41	2.21
Chr8:1338032-1338054	1338037	3	RNA	GGCCGAGGTGCACTACCGGNNRG	cGTCAGGTGAGcAGcACT-CCG	-	5	1	0	4.41	2.21
Chr2:154847211-154847233	154847228	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCCAAGG-GACcACTCGG	+	5	2	0	4.41	2.21
Chr5:117804758-117804780	117804762	2	DNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTGCGAGcAGcGGaG	-	5	2	0	4.41	2.21
Chr10:24024196-24024218	24024200	2	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGGTCCAGcAGcGGG	-	5	1	0	4.41	2.21
Chr8:45808111-45808133	45808127	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGcGAAGTGC-THcGcCGAG	+	5	2	0	4.41	2.21
Chr6:160577612-160577634	160577630	2	RNA	GGCCGAGGTGCACTACCGGNNRG	aGc-HGTCAGcACCGcCAAG	+	5	2	0	4.41	2.21
Chr1:28144461-28144483	28144477	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGAGGTCGcTc-CAcCGcAG	+	4	2	0	4.41	2.21
Chr4:230159861-230159883	230159866	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCC-AGGTGcTcACTCGGGGG	+	4	1	0	4.41	2.21
Chr4:15656113-15656135	15656129	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-AGGcGAGcActaAGcAG	+	5	2	0	4.41	2.21
Chr4:156382348-156382370	156382353	3	DNA	GGCCGAGGTGCACTACCGGNNRG	GGcGAGGTGcGcAGcAGcCAG	-	5	1	0	4.41	2.21
Chr7:57927816-57927838	57927834	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GgCAGGgTgGcAGcAaA-TCAG	+	5	2	0	4.41	2.21
Chr2:243947671-243947693	243947693	2	RNA	GGCCGAGGTGCACTACCGGNNRG	t-CGGAGcGcTCTCCGGCTGG	+	5	2	0	4.41	2.21
Chr1:151564214-151564236	151564220	4	RNA	GGCCGAGGTGCACTACCGGNNRG	cGgGAGG-GaAGaAGcGcAG	-	5	2	0	4.41	2.21
Chr5:141834972-141834994	141834977	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-AGAGTGCAGcAGcGGG	-	5	2	0	4.41	2.21
Chr3:22899129-22899151	22899145	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GTCcG-GTgTcACcAGcGcAG	+	5	2	0	4.41	2.21
Chr5:53466171-53466193	53466188	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcTcGAGTcTcTCTAG-CTGG	+	5	2	0	4.41	2.21
Chr8:15070972-15070994	15070989	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcTcGAGGcCGAT-CcGgGGG	+	5	2	0	4.41	2.21
Chr4:214932465-214932487	214932482	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgTgTGGTGCAGcA-GaAGG	+	5	2	0	4.41	2.21
Chr1:107398153-107398175	107398158	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGT-CtTcTtCGG	-	5	2	0	4.41	2.21
Chr4:18490741-18490763	18490745	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GgACAGcAGcAGcAGcA-CTGG	-	5	2	0	4.41	2.21
Chr4:181163887-181163909	181163892	3	RNA	GGCCGAGGTGCACTACCGGNNRG	aGc-tcGgGACTACCGCTGG	-	5	2	0	4.41	2.21
Chr1:69266492-69266514	69266498	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGGTCCAGcAGcGGG	+	5	1	0	4.41	2.21
Chr1:14211391-14211413	14211406	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTGCGAGcAGcGGG	-	5	2	0	4.41	2.21
Chr3:76297619-76297641	76297623	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GgACAGTGCAGcA-GgTgTGG	-	4	1	0	4.41	2.21
Chr1:60782069-60782091	60782074	3	DNA	GGC-CGAGGTGCACTACCGGNNRG	GGCTcACTGCTACTCaCaCAGG	-	3	1	0	4.41	2.21
Chr5:69002134-69002156	69002151	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcTcGAGGT-AactCCGCGAG	+	5	2	0	4.41	2.21
Chr2:21783874-21783896	21783881	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GaACAGTGCcTCCGgGAG	-	5	1	0	4.41	2.21
Chr4:97278-97290	97283	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgACAGcAGcAGcAGcA-CCGGG	-	5	2	0	4.41	2.21
Chr2:133539387-133539409	133539402	5	RNA	GGCCGAGGTGCACTACCGGNNRG	caCAGTGCcT-CCGCGAG	+	5	2	0	4.41	2.21
Chr2:77850122-77850144	77850137	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-AGGcAGcACTCCGCGG	+	5	2	0	4.41	2.21
Chr5:108160504-108160526	108160522	2	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CAGAGgTGCAGcCaGcAAG	+	5	2	0	4.41	2.21
Chr1:199867954-199867976	199867961	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-GGcGcAGcACTCCGCGG	-	5	1	0	4.41	2.21
Chr2:178852051-178852073	178852058	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTGCGAGcAGcGGG	-	5	2	0	4.41	2.21
Chr4:183543935-183543957	183543950	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTGCG-aggGgTgGG	+	5	2	0	4.41	2.21
Chr2:81903156-81903178	81903173	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgCAGAGTGC-THcGcAGAG	+	5	2	0	4.41	2.21
Chr9:89455202-89455224	89455207	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGgAGGTAAG-TACCgCGAG	-	5	2	0	4.41	2.21
Chr8:121283895-121283917	121283903	3	RNA	GGCCGAGGTGCACTACCGGNNRG	G-AGAGTAAcCaAGcCAGG	-	5	2	0	4.41	2.21
Chr4:82989186-82989208	82989204	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GaCAAGTGC-TCCcAGTGG	+	5	2	0	4.41	2.21
Chr1:4753025-4753047	4753030	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GAca-GcTCCAGcAGcAGcGGG	-	5	1	0	4.41	2.21
Chr1:127154321-127154343	127154337	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCCAGcAGcAGcAGcA-AGAG	+	5	2	0	4.41	2.21
Chr8:140452244-140452266	140452259	5	RNA	GGCCGAGGTGCACTACCGGNNRG	a-CGGGTCCAGcAGcAGcGGG	+	5	2	0	4.41	2.21
Chr4:217051907-217051929	217051914	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGcGAGTGCcGgTA-GgGAG	-	5	2	0	4.41	2.21
Chr9:100659636-100659658	100659652	4	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTGCGAGcAGcGGG	-	5	2	0	4.41	2.21
Chr2:85713475-85713497	85713491	4	RNA	GGCCGAGGTGCACTACCGGNNRG	lG-GAGGAGcAGcAGcCTCGTGG	+	5	2	0	4.41	2.21
Chr8:60988167-60988189	60988173	4	RNA	GGCCGAGGTGCACTACCGGNNRG	T-CGGcGAGTCTCCGGCTGG	-	5	2	0	4.41	2.21
Chr5:181078453-181078475	181078457	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GgCAGAGTGC-THcGcAGAG	-	5	2	0	4.41	2.21
Chr5:45229043-45229065	45229060	3	RNA	GGCCGAGGTGCACTACCGGNNRG	cGgGAGcT-AAcTACCGcCAG	+	5	2	0	4.41	2.21
Chr3:229193108-229193130	229193113	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-tcGgGACTACCGCTGG	-	4	2	0	4.41	2.21
Chr4:6514333-6514355	6514340	5	RNA	GGCCGAGGTGCACTACCGGNNRG	caCAGTGCcT-CCGCGAG	-	5	1	0	4.41	2.21
Chr9:99959380-99959402	99959397	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgACAGcGGTGC-TCCcAGTGG	+	5	2	0	4.41	2.21
Chr2:234019439-234019461	234019457	2	RNA	GGCCGAGGTGCACTACCGGNNRG	cGgCAGGTGCAG-CgGAGAG	+	5	2	0	4.41	2.21
Chr10:147367339-147367361	147367354	5	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CAGAGcAGcAGcAGcCGCG	+	5	2	0	4.41	2.21
Chr5:10758350-10758372	10758368	2	DNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTGCGAGcAGcGGG	-	5	2	0	4.41	2.21
Chr1:236302922-236302944	236302938	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGGTCCAGcAGcGGG	+	5	1	0	4.41	2.21
Chr5:138518702-138518724	138518717	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GgTgTgGgTGA-ACCcCGCGG	+	5	2	0	4.41	2.21
Chr9:58193135-58193157	58193153	2	DNA	GGCCGAGGTGCACTACCGGNNRG	GGCcaAGTGTAGAGcAGcAGG	+	5	2	0	4.41	2.21
Chr1:33043023-33043045	33043040	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcTcGAGTCAAGcA-GGCTAG	+	5	2	0	4.41	2.21
Chr8:100063800-100063822	100063815	5	RNA	GGCCGAGGTGCACTACCGGNNRG	caCAGTGCcT-CCGCGAG	+	5	1	0	4.41	2.21
Chr7:66275684-66275706	66275689	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GcCtactTCGACT-CCGCGAG	+	5	1	0	4.41	2.21
Chr2:33024235-33024257	33024241	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGGTCCAGcAGcGGG	-	5	1	0	4.41	2.21
Chr5:50647281-50647303	50647299	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgACAGcGgG-GaACTCGCTAG	+	5	2	0	4.41	2.21
Chr4:74571845-74571867	74571862	2	RNA	GGCCGAGGTGCACTACCGGNNRG	GGC-tcGcAGcACTCCGGCTGG	+	5	2	0	4.41	2.21
Chr9:100423307-100423329	100423314	5	RNA	GGCCGAGGTGCACTACCGGNNRG	GGCCGAGGTGCGAGcAGcGGG	-	5	2	0	4.41	2.21
Chr8:2543199-2543221	25432217	2	DNA	GGCCGAGGTGCACTACCGGNNRG	cCCAGcTCCAGcAGcAGcCGCG	-	4	1	0	4.41	2.21
Chr8:7676194-7676216	7676211	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GaCAGGTGcAGC-CTAGcAG	+	5	2	0	4.41	2.21
Chr4:174694702-174694724	174694718	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-CcGgGcTCCGcTCCgGcAG	+	5	1	0	4.41	2.21
Chr8:14624935-14624957	14624951	4	RNA	GGCCGAGGTGCACTACCGGNNRG	G-aCGGGTCCAGcAGcGGG	+	5	1	0	4.41	2.21
Chr10:146259686-146259708	146259691	3	RNA	GGCCGAGGTGCACTACCGGNNRG	GgGcAGcAGcAGcAGcAGcAG	-	4	2	0	4.41	2.21
Chr2:126177717-126177739	126177735	2	DNA	GGCCGAGGTGCACT-ACCcGNNRG	GgTGAAGcAGcAGcAGcAGcGGG	+	5	1	0	4.41	2.21
Chr7:16224428-16224450	16224432	2	RNA	GGCCGAGGTGCACTACCGGNNRG	aGCaAG-CaAGcCCGCGG	+	5	2	0		

Chr5:10008881-10008903	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCacGtGg-cgCCGCGAG	+	5	2	4	0.00	2.00
Chr6:124220122-124220144	2	RNA	GGCCAGGTCGACTACCGGCRNG	GGC-HGcgGATACCGGCTGG	-	5	2	4	0.00	2.00
Chr6:67659448-67659470	6	RNA	GGCCAGGTCGACTACCGGCRNG	caCaAcTcGAC-gCCGCGAG	+	5	1	4	0.00	2.00
Chr6:13467474-134674796	3	DNA	GGCCAGGTCGACTACCGGCRNG	GGTCGGTTCGACTTggtGGCCGG	+	5	2	4	0.00	2.00
Chr2:146280432-146280454	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgGc-AGdcCaCctcCGCCGG	+	5	1	4	0.00	2.00
Chr6:52117489-52117511	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr7:134571105-134571127	3	RNA	GGCCAGGTCGACTACCGGCRNG	t-CGgGcGtCTCCGGCTGG	+	5	2	4	0.00	2.00
Chr1:182262755-182262777	5	RNA	GGCCAGGTCGACTACCGGCRNG	G-CGAAcCaCcaCtCCGAGG	-	5	2	4	0.00	2.00
Chr8:91840490-91840512	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACaCgAgCGGG	+	5	1	4	0.00	2.00
Chr2:160145330-160145352	3	RNA	GGCCAGGTCGACTACCGGCRNG	GTCCG-GTgCaCcaCCGgaTAG	+	5	2	4	0.00	2.00
Chr10:13123129-13123151	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACgAaCgCGGG	-	5	1	4	0.00	2.00
Chr7:3261505-3261527	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr1:273999940-273999962	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGC-tcGTGACTACCGHTGG	-	5	2	4	0.00	2.00
Chr1:180020357-180020379	3	RNA	GGCCAGGTCGACTACCGGCRNG	GaC-AGGcACTAgGGCCAG	+	5	2	4	0.00	2.00
Chr1:129321538-129321560	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGTCGgGTgG-cgCCGCTGG	-	5	2	4	0.00	2.00
Chr2:142398122-142398144	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr5:101667792-101667814	3	DNA	GGCCAGGTCGACTACCGGCRNG	GGCCGgGgGAgGgAaCCGGCCGG	+	5	2	4	0.00	2.00
Chr10:100218755-100218777	3	RNA	GGCCAGGTCGACTACCGGCRNG	Gg-AGGTCGtCtAggAgTGG	-	5	2	4	0.00	2.00
Chr1:31114334-31114356	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr6:46957466-46957488	5	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCGACTTCG-TgtgGGCAGG	-	5	2	4	0.00	2.00
Chr1:124945096-124945118	3	RNA	GGCCAGGTCGACTACCGGCRNG	GcGgAGGcGACT1-GGaAGG	-	5	2	4	0.00	2.00
Chr1:21226460-21226482	3	RNA	GGCCAGGTCGACTACCGGCRNG	GtCtGgGT-GaCaCCGGCCGG	+	5	1	4	0.00	2.00
Chr1:195135647-195135669	3	DNA	GGCCAGGTCGACTACCGGCRNG	cGCaAGGcGCaCAATCCGGCAGG	-	5	2	4	0.00	2.00
Chr3:41464102-41464124	3	RNA	GGCCAGGTCGACTACCGGCRNG	aGCaGg-CGAAgCCGGCTGG	+	5	2	4	0.00	2.00
Chr7:155080042-155080064	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACaCgAgCGGG	+	5	1	4	0.00	2.00
Chr4:51933306-51933328	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr10:37362083-37362105	3	RNA	GGCCAGGTCGACTACCGGCRNG	GaCCGgGTGcGc-ggAgCGAG	-	4	1	4	0.00	2.00
Chr8:84846561-84846583	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgG-CGgCaCtCCGCGAG	-	5	1	4	0.00	2.00
Chr10:136196658-136196680	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGC-AGGTCGAggACtggGGG	-	5	1	4	0.00	2.00
Chr4:119702439-119702461	5	DNA	GGCCAGGTCGACTACCGGCRNG	GgaAaGcGTGcGcCaCCGGCCGG	-	5	2	4	0.00	2.00
Chr1:86560489-86560511	3	RNA	GGCCAGGTCGACTACCGGCRNG	GTCCG-GTgCaCcaCCGgaAG	+	5	2	4	0.00	2.00
Chr9:58389501-58389523	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgGcAGG-GcCTcAgGGCAGG	-	5	1	4	0.00	2.00
Chr5:11844047-11844069	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgAtGAGGgGACT-CGGAAGG	+	5	2	4	0.00	2.00
Chr3:124078529-124078551	3	RNA	GGCCAGGTCGACTACCGGCRNG	GaCCGAGG-CGAGcAaCaAGG	+	5	1	4	0.00	2.00
Chr3:205364199-205364221	3	RNA	GGCCAGGTCGACTACCGGCRNG	GtaCRGTGtG-TgCCGCTAG	-	5	2	4	0.00	2.00
Chr1:183235274-183235296	3	RNA	GGCCAGGTCGACTACCGGCRNG	GtCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr1:16240986-16241008	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-CGgGTGcGagCCGGCAGG	-	5	2	4	0.00	2.00
Chr1:262648365-262648387	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgGcGAGGCaAg-CCGcAAG	+	5	2	4	0.00	2.00
Chr9:96047903-96047925	3	RNA	GGCCAGGTCGACTACCGGCRNG	TgCaAGcTcGACTA-GHTGG	+	4	1	4	0.00	2.00
Chr2:180716190-180716212	3	X	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	0	4	0.00	2.00
Chr3:227746244-227746266	3	DNA	GGCCAGGTCGACTACCGGCRNG	aGCaAGGtAgACTTAcCaCCGG	+	5	1	4	0.00	2.00
Chr8:38451032-38451054	3	DNA	GGCCAGGTCGACTACCGGCRNG	GgGcAGGgGTcCtACTAGGATAG	+	5	2	4	0.00	2.00
Chr8:20852244-20852266	3	RNA	GGCCAGGTCGACTACCGGCRNG	aGCCAGGtGgCT-cGgGGTGG	+	5	1	4	0.00	2.00
Chr2:48116260-48116282	3	DNA	GGCCAGGTCGACTACCGGCRNG	cGCCAGGTCGACTACCGGCRNG	-	2	1	4	0.00	2.00
Chr1:125436389-125436411	3	DNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr9:132705053-132705075	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr7:85009248-85009270	3	DNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	1	4	0.00	2.00
Chr2:31242370-31242392	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACaCgAgCGGG	-	5	1	4	0.00	2.00
Chr4:232476389-232476411	3	RNA	GGCCAGGTCGACTACCGGCRNG	GcCtGgGTGcAGcA-GGGCGG	-	5	1	4	0.00	2.00
Chr9:93973918-93973940	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACgAaCgAgCGGG	+	5	1	4	0.00	2.00
Chr6:171250440-171250462	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACgAaCgAgCGGG	+	5	1	4	0.00	2.00
Chr4:168158943-168158965	3	RNA	GGCCAGGTCGACTACCGGCRNG	Gg-G-cAGGTCGTCGCGCTGG	+	5	2	4	0.00	2.00
Chr7:19952895-19952917	3	RNA	GGCCAGGTCGACTACCGGCRNG	cGAtGgGTCGACTCCGCGAG	-	5	1	4	0.00	2.00
Chr8:97477095-97477117	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACaCgAgCGGG	-	5	1	4	0.00	2.00
Chr5:26300924-26300946	3	RNA	GGCCAGGTCGACTACCGGCRNG	cCCCAAGTCGATATC-CCGG	+	5	2	4	0.00	2.00
Chr4:18115692-18115714	3	RNA	GGCCAGGTCGACTACCGGCRNG	GTCC-GTAAAGGcAGcCAGG	+	5	1	4	0.00	2.00
Chr2:129757375-129757397	3	RNA	GGCCAGGTCGACTACCGGCRNG	GcGcAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr7:158315712-158315734	3	RNA	GGCCAGGTCGACTACCGGCRNG	TGcGgGcGc-CTACCgCGGG	-	5	2	4	0.00	2.00
Chr2:11761340-11761362	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgGcGAG-TcGcTgGcGgCGG	+	5	1	4	0.00	2.00
Chr5:159362988-159363010	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgGgAGGTCG-TAgTGGCTAG	+	5	2	4	0.00	2.00
Chr3:86696092-86696114	3	RNA	GGCCAGGTCGACTACCGGCRNG	TgAAAGGc-ACTACCGCGGG	+	5	2	4	0.00	2.00
Chr1:114353967-114353989	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACaCgAgCGGG	+	5	1	4	0.00	2.00
Chr2:15249276-15249298	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGC-tcAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr2:206861186-206861208	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACaCgAgCGGG	-	5	1	4	0.00	2.00
Chr7:10864793-10864815	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cCCAAcTcGACTCCGGCGG	+	5	1	4	0.00	2.00
Chr10:8411906-8411928	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr3:175881186-175881208	3	DNA	GGCCAGGTCGACTACCGGCRNG	cCCCAAGTCGATATC-CCGG	+	5	2	4	0.00	2.00
Chr8:53735225-53735247	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	4	1	4	0.00	2.00
Chr2:4812860-4812882	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGC-AGGTCGACcAgGcCGGG	-	4	2	4	0.00	2.00
Chr4:82988329-82988351	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACaCgAgCGGG	+	5	1	4	0.00	2.00
Chr5:179004863-179004885	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	1	4	0.00	2.00
Chr5:214597217-214597239	3	RNA	GGCCAGGTCGACTACCGGCRNG	G-cAGGTCGACgAaCgAgCGGG	+	5	1	4	0.00	2.00
Chr4:85349755-85349777	3	RNA	GGCCAGGTCGACTACCGGCRNG	GcCtGcAGGcGc-AcCaAgCGGG	+	5	2	4	0.00	2.00
Chr5:33943533-33943555	3	RNA	GGCCAGGTCGACTACCGGCRNG	aaCCAGGTCGc-gAaCCGCGGG	+	5	2	4	0.00	2.00
Chr1:31715609-31715631	3	DNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	4	1	4	0.00	2.00
Chr1:1347414-1347436	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr2:139524103-139524125	3	RNA	GGCCAGGTCGACTACCGGCRNG	TgCaAGTTCGAA-AGGcCGAG	+	5	2	4	0.00	2.00
Chr10:23197380-23197402	3	RNA	GGCCAGGTCGACTACCGGCRNG	GtCtGgGTGcAGcAaCgAgCGGG	-	5	1	4	0.00	2.00
Chr2:140990156-140990178	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgAgAGTTCGACaCCGgTAG	+	5	1	4	0.00	2.00
Chr5:5911337-5911359	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgCgGcGc-CGAaTgCCGCGGG	+	5	2	4	0.00	2.00
Chr2:46513443-46513465	3	DNA	GGCCAGGTCGACTACCGGCRNG	aGcTcAGTGTGTCGACaCCGCGAGG	+	5	2	4	0.00	2.00
Chr10:131493815-131493837	3	RNA	GGCCAGGTCGACTACCGGCRNG	cGgCGAGGTCaAc-CcaAGG	-	4	2	4	0.00	2.00
Chr5:176620259-176620281	3	X	GGCCAGGTCGACTACCGGCRNG	GgaAaGgTgGcCTAgCGGCTGG	+	5	0	4	0.00	2.00
Chr5:80606171-80606193	3	DNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	1	4	0.00	2.00
Chr7:130498762-130498784	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	1	4	0.00	2.00
Chr5:33255972-33256194	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgaAaGgTTCGACTACCGGCRNG	+	4	2	4	0.00	2.00
Chr10:128991903-128991925	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	2	4	0.00	2.00
Chr2:34640592-34640614	3	DNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	4	0	4	0.00	2.00
Chr3:351798-351820	3	RNA	GGCCAGGTCGACTACCGGCRNG	GtCtCtGc-AGCTACCGCTGG	-	4	2	4	0.00	2.00
Chr1:162877173-162877195	3	RNA	GGCCAGGTCGACTACCGGCRNG	GcCAAGcGcGACTTC-CCGG	+	5	2	4	0.00	2.00
Chr1:201320643-201320665	3	DNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	1	4	0.00	2.00
Chr1:127874646-127874668	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgCaGcAGTgCT-CCGCTAG	+	5	2	4	0.00	2.00
Chr6:129825767-129825789	3	RNA	GGCCAGGTCGACTACCGGCRNG	GaCaG-GTTCGACaCaAgCGGG	+	5	1	4	0.00	2.00
Chr6:75850568-75850590	3	RNA	GGCCAGGTCGACTACCGGCRNG	GtCCAGGTC-1ACCgGgaAAG	+	5	2	4	0.00	2.00
Chr2:17112862-17112884	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgaCGA-TCCGtATcGCTAG	-	5	2	4	0.00	2.00
Chr8:10823740-10823762	3	RNA	GGCCAGGTCGACTACCGGCRNG	GgCgGtGgGc-TgCCGCTGG	+	5	1	4	0.00	2.00
Chr1:46853504-46853526	3	RNA	GGCCAGGTCGACTACCGGCRNG	GcAGGTCGACcACTTCC-CCAG	+	5	2	4	0.00	2.00
Chr3:221333190-221333212	3	DNA	GGCCAGGTCGACTACCGGCRNG	GGCCAGGTCGACTACCGGCRNG	+	5	1	4	0.00	2.00
Chr2:68901534-68901556	3	RNA	GGCCAGGTCGACTACCGGCRNG	GTCCG-GTgCaCcaCCGgaAG	-	5	2	4	0.00	2.00
Chr2:127858470-127858492	3	RNA	GGCCAGGTCGACTACCGGCRNG	GcCtGgGgCGa-ACCgAgGGG	+	5	1	4	0.00	2.00
Chr1:17372208-17372230	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGC-AGGTCGACgGgGgaGAG	+	5	1	4	0.00	2.00
Chr6:3197598-3197620	3	RNA	GGCCAGGTCGACTACCGGCRNG	GGC-AGGTCGAcCaCgAgCGGG	+	4	2	4	0.00	2.00
Chr1:134626818-134626840	3	RNA	GGCCAGGTCGACTACCGGCRNG	aGcGAGGTC-GtTcAGCGgAG	+	5	1	4	0.00	2.00
Chr5:47099621-47099643	3	DNA	GGCCAGGTCGACTACCGGCRNG	GtCCTGgGTGcGtCgGgCCAG	+	5	2	4	0.00	

Chr3:73246765-73246787	5	DNA	GGCCGAGGTGCG-ACTACCGGCRNG	aGGCCAGTCTGGACACgGcCTGG	-	5	1	4	0.00	2.00
Chr4:240094536-240094558	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GaGcGGGTGCT-CtGCGGCAAG	-	5	2	4	0.00	2.00
Chr7:147092467-147092489	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GaGcAGT-GTGCACCGCCTCAG	-	5	1	4	0.00	2.00
Chr2:123179232-123179254	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	cGacCGGTGTGGT-CCGGCTG	-	5	2	4	0.00	2.00
Chr4:67253674-67253696	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-aCGGGTCTGAGcAGcGCGGG	+	5	2	4	0.00	2.00
Chr8:56289293-56289315	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGTCTG-AGCAGCAAG	+	5	2	4	0.00	2.00
Chr4:8852307-8852329	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcGcAG-gtCtGGCCGG	+	4	1	4	0.00	2.00
Chr5:45238631-45238653	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	cGgGAGTCT-AaTACGCTGG	+	5	2	4	0.00	2.00
Chr4:245727074-245727096	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GaCGAGGcG-CAGcCaAGaGAG	+	5	1	4	0.00	2.00
Chr8:47229298-47229320	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GaGcAGTCTGAGcAGcACCGCGAG	+	5	1	4	0.00	2.00
Chr3:11648339-11648361	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCG-GGTCTCTACcAGCGGG	+	3	1	4	0.00	2.00
Chr2:230278562-230278584	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-GAGGTGcGcCaCAGcGAG	+	4	1	4	0.00	2.00
Chr3:138979077-138979099	5	DNA	GGCCGAGGTGCGACTACCGGCRNG	GcCaAGGTCTcAGcAGcAGcGCGGAG	+	5	2	4	0.00	2.00
Chr1:45965280-45965302	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-aCGGGTCTGAGcCaAGcGCGGG	+	5	1	4	0.00	2.00
Chr4:15893846-15893868	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcCaC-ctCGCGGG	-	5	1	4	0.00	2.00
Chr6:47055610-47055632	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-GAGGTGcAGgGTCGGCGGG	+	4	1	4	0.00	2.00
Chr2:207164952-207164974	5	DNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcGAGTCTGAGcGCTAG	+	5	2	4	0.00	2.00
Chr8:104457970-104457992	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCAGGTCTGtT-CHCCAG	+	4	2	4	0.00	2.00
Chr4:98753567-98753589	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcAGTcGACT-CCGAGAG	-	5	1	4	0.00	2.00
Chr4:76254052-76254074	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	aCaGcGcTCTGACT-GGaCGG	+	5	1	4	0.00	2.00
Chr7:146006310-146006332	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-tcGcTACCGCTGCTGG	+	5	2	4	0.00	2.00
Chr9:158471032-158471054	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcAGGcCTGACT-CTGGTGG	-	5	1	4	0.00	2.00
Chr10:41765069-41765091	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	tGGCCAGGTGcATtGc-IGAG	+	5	2	4	0.00	2.00
Chr4:173972750-173972772	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-tcGGGACTACCGGCTGG	-	4	2	4	0.00	2.00
Chr9:95151495-95151517	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-CAGgTgTACTCTGGGCGAG	-	5	2	4	0.00	2.00
Chr5:12137394-12137396	5	DNA	GGC-CGAGGTCTGACTACCGGCRNG	GGCTCTGAGGcCaCAGcAGcAGG	+	4	2	4	0.00	2.00
Chr3:135889118-13588920	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-aCGGGTCTGAGcCaAGcGGG	+	5	1	4	0.00	2.00
Chr7:74906280-74906302	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGaCAAGTGG-TCcCAHTGG	+	5	2	4	0.00	2.00
Chr5:5979307-5979329	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-IGGtTgtTACCGGCTGG	+	5	2	4	0.00	2.00
Chr10:48203183-48203205	5	DNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcGcTGGAGTGGCGGG	+	5	2	4	0.00	2.00
Chr10:123821326-123821348	3	DNA	GGC-CGAGGTCTGACTACCGGCRNG	GGCTGgGcGCTCTCCGGTGG	+	5	1	4	0.00	2.00
Chr5:39492879-39492901	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcGAGGcGcGcGcCGGAG	-	5	1	4	0.00	2.00
Chr10:73447433-73447455	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-GHGCTGAGcAGcGCGGAG	+	4	1	4	0.00	2.00
Chr8:47501040-47501062	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-GHGCTGAGcAGcGCGGAG	-	5	1	4	0.00	2.00
Chr1:306408702-306408724	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcGc-ActcCTGGCTGG	-	4	1	4	0.00	2.00
Chr10:133023444-133023466	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGTCTGCA-CTGGGAG	+	4	2	4	0.00	2.00
Chr10:67597707-67597729	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGaAGAGGTGGA-AGcGGCTGG	+	5	2	4	0.00	2.00
Chr4:83768393-83768415	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-CGcAGTCTGcTTCcCAHTGG	+	5	1	4	0.00	2.00
Chr2:234081573-234081595	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGGcGAG-CcctGCaAGcGCGGG	+	5	2	4	0.00	2.00
Chr2:159986500-159986522	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	a-CGGGTCTGAGcAGcAGcGCGG	+	5	2	4	0.00	2.00
Chr5:202419688-202419710	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcGcGc-TgCaAGGAG	-	5	1	4	0.00	2.00
Chr4:7796090-7796012	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-aCGGGTCTGAGcCaAGcGCGGG	+	5	1	4	0.00	2.00
Chr1:168924929-168924951	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcCaCAGcAGc-IGTGG	-	5	2	4	0.00	2.00
Chr9:47542762-47542784	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGaCAAGaCGA-ActaGcGGG	+	5	2	4	0.00	2.00
Chr10:58657433-58657455	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcCAGcTCTcActT-CGGGcGAG	-	5	2	4	0.00	2.00
Chr5:45429843-45429865	5	DNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGTCTGACTACCGGCRNG	+	5	1	4	0.00	2.00
Chr3:225236118-225236140	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcG-AGGcCaAGcCctCGGCTGG	+	5	1	4	0.00	2.00
Chr6:82232717-82232739	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGG-GACTAHTGAG	+	5	2	4	0.00	2.00
Chr8:149818340-149818362	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcTcGg-GaTAcCGGcAGG	-	5	2	4	0.00	2.00
Chr6:98053960-98053982	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-IGGGGACTACCGGCTGG	+	4	2	4	0.00	2.00
Chr3:71561986-71562008	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcTgGcTgTACTA-GGTGG	+	5	2	4	0.00	2.00
Chr1:76772416-76772438	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcGAGTCTGGCGGG	+	4	1	4	0.00	2.00
Chr6:79695220-79695242	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	cGacAGGCTGCAGc-CTGGTGG	+	5	2	4	0.00	2.00
Chr4:18289866-18289888	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	tcCGcGCTC-CTACGCTGAG	+	5	2	4	0.00	2.00
Chr1:20534344-20534366	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGTCTGcTCTGG-CCAG	+	5	1	4	0.00	2.00
Chr1:284438276-28443849	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGTCTGCA-AGcAGGAG	+	4	2	4	0.00	2.00
Chr8:27778827-27778849	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GCCaAGGAGTCTGACT-CCGCGGG	+	5	1	4	0.00	2.00
Chr7:88047657-88047679	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GcCAGAGcCTGCAGc-CCGCAAG	+	5	2	4	0.00	2.00
Chr5:34883315-34883337	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCAGGTCTAC-AAGCGGGG	+	5	2	4	0.00	2.00
Chr10:61211015-61211037	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGc-GcGGTCTGAGcCaAGcGAG	-	5	1	4	0.00	2.00
Chr7:48103098-48103120	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	cGCTGtTcG-CTACCGCGGG	+	5	1	4	0.00	2.00
Chr4:20039091-20039113	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcGcGc-TgGcGAGAG	-	5	1	4	0.00	2.00
Chr8:56239433-56239455	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCTAATCTG-CaTCCGCAAG	+	5	2	4	0.00	2.00
Chr4:167615394-167615416	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GcCaAGGcCa-ACTaGcCAGG	+	5	1	4	0.00	2.00
Chr7:124047801-124047823	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-aCGGGTCTGAGcCaAGcGCGGG	+	5	1	4	0.00	2.00
Chr5:5112769-51127711	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGTCTGACTACCGGCRNG	+	5	1	4	0.00	2.00
Chr9:2720314-2720336	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGc-AGGcCaAGcCctCGGCTGG	+	4	2	4	0.00	2.00
Chr4:163688203-163688225	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	aGCTGGGcGcTCTCCGGCTGG	+	5	1	4	0.00	2.00
Chr2:58624502-58624524	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcGcGc-TgTcGcAGG	+	5	2	4	0.00	2.00
Chr10:23982545-23982567	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcCaccGGTCTGcTTC-CCAG	+	5	2	4	0.00	2.00
Chr10:36872891-36872913	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcAGGcGcGAGc-CCGAGG	+	5	2	4	0.00	2.00
Chr4:102066013-102066035	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCTAHTGGTGA-ACCAGCGGG	-	4	2	4	0.00	2.00
Chr5:37970769-37970791	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcGAGcTCTGcTGG-GGCTGG	+	4	1	4	0.00	2.00
Chr10:3393507-3393529	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-GGGTCTGAGcCaAGcGCGGG	+	5	1	4	0.00	2.00
Chr1:43654628-43654650	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcGAGGcTCTGc-CTGGGAG	-	5	1	4	0.00	2.00
Chr9:89774357-89774379	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGTCTGCA-AGcAGGAG	+	5	2	4	0.00	2.00
Chr5:70344497-70344519	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	cCGCAAGGcGAGTACT-CCGCGG	+	5	2	4	0.00	2.00
Chr4:132130720-132130742	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcGAGGTGCTTCC-AGGG	-	5	2	4	0.00	2.00
Chr1:185121778-185121800	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	tGcCAGGTGAT-CTGGCGGG	+	5	2	4	0.00	2.00
Chr4:210483114-210483136	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	cttCAGT-GAcACCcGGCGGG	+	5	1	4	0.00	2.00
Chr8:23101791-23101813	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGaCCGAGTCTGGgAG-CCGCGG	+	5	2	4	0.00	2.00
Chr2:126141962-126141984	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCG-GTCAAGgTgCGGGG	-	5	2	4	0.00	2.00
Chr8:135158180-135158202	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcGAGGcGcGc-CTGGGAGG	+	5	2	4	0.00	2.00
Chr7:148800280-148800302	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-aCGAaGtGACTGcGCGGG	-	5	1	4	0.00	2.00
Chr2:13203340-13203362	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcCGGTCTGAGcCaAGcGCGGG	+	5	2	4	0.00	2.00
Chr9:112468027-112468049	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGc-AGGcCaAGcCctCGGCTGG	+	4	2	4	0.00	2.00
Chr10:85028172-85028194	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcGc-GcAGcCactCGGCGGG	+	5	1	4	0.00	2.00
Chr8:53635449-53635471	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGcGCGGcGcAGc-aggCTGcAGG	+	5	1	4	0.00	2.00
Chr1:244737668-244737690	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	tG-GAGGtGcTCTACCGATAG	-	5	2	4	0.00	2.00
Chr5:140661156-140661178	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GCaAGAG-CGAGagGcGAG	+	5	2	4	0.00	2.00
Chr2:46058366-46058388	5	DNA	GGCCGAGGTGCGACTACCGGCRNG	GgTcGtGCTGcTCCAGCGGgTGG	+	4	2	4	0.00	2.00
Chr9:117900391-117900413	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGaCAGa-aCGACTaAGcAGG	+	5	1	4	0.00	2.00
Chr1:184583020-184583042	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-aCGGGTCTGAGcCaAGcGCGGG	+	5	1	4	0.00	2.00
Chr10:97034593-97034615	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAGGcCaC-cCtGGCGGG	+	5	1	4	0.00	2.00
Chr5:207541741-207541763	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGC-AGGcTGAAGcCaAGcCGGG	-	4	2	4	0.00	2.00
Chr9:14158180-14158202	5	RNA	GGCCGAGGTGCGACTACCGGCRNG	cGgGAGGcGcGcT-CCGCGGG	+	5	2	4	0.00	2.00
Chr4:146716386-146716408	5	DNA	GGC-CGAGGTCTGACTACCGGCRNG	GcTCTGGGAGTCTCTCCGGTGG	+	5	1	4	0.00	2.00
Chr8:67100173-67100195	3	DNA	GGCCGAGGTGCGACTACCGGCRNG	GtAGcAGGAGaCHCTCCGCGAGG	+	5	2	4	0.00	2.00
Chr10:69819188-69819210	4	RNA	GGCCGAGGTGCGACTACCGGCRNG	G-aCGGGTCTGAGcCaAGcGCGGG	+	5	2	4	3.86	1.93
Chr2:228531948-228531970	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	caCCAGcT-GATaCCCGCAAG	+	5	1	4	3.86	1.93
Chr10:72184785-72184807	3	RNA	GGCCGAGGTGCGACTACCGGCRNG	cGACAGGcGcGAGcGAG-GaCAG	+	5	1	4	3.86	1.93
Chr4:235263542-235263564	4	RNA	GGCCGAGGTGCGACTACCGGCRNG	GGCCGAG-CGGTcACCGCGAG	-	4	2	4	3.86	1.93
Chr1:217753270-217753292	4	D								

Chr8:44190575-44190597	4	X	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	0	0	3.86	1.93
Chr6:160678466-160678488	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr3:74291805-74291827	7	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr9:18823314-18823336	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr8:17798353-17798375	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr4:112747576-12747598	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr4:155736638-155736660	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr7:144874097-144874119	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	4	2	0	3.86	1.93
Chr4:214892603-214892625	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	4	2	0	3.86	1.93
Chr2:43582282-43582304	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr4:111778063-111778085	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr7:66574006-66574028	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr7:26177613-26177635	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:233522922-233522944	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr6:45111647-45111669	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr4:68139987-68140009	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr10:3395075-3395097	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:112130552-112130574	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr2:38389569-38389591	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:20603652-20603674	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr8:95939883-95939905	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr10:31129302-31129324	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr1:114440489-114440511	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr5:17147479-17147471	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr6:133846521-133846543	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr4:188949658-188949680	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr6:6386117-63861179	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr4:70742597-70742619	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr9:87693730-87693752	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	4	1	0	3.86	1.93
Chr5:115279670-115279692	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	1	0	3.86	1.93
Chr7:115193485-115193507	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr2:117480301-117480323	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr7:112568374-112568396	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr4:226154453-226154475	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr7:100627431-100627453	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr2:1219451341-121945136	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr5:101116620-101116620	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr6:100461764-100461786	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr10:59328656-59328678	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr6:40894804-40894826	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr2:130749520-130749542	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr8:148276540-148276562	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr3:214814567-214814589	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr9:8615474-8615496	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr10:5820897-5820899	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr7:86175542-86175544	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr2:68949268-68949290	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:173491681-173491703	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr3:52895550-52895572	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr1:98839477-98839499	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr1:182626386-182626408	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr2:146523658-146523680	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr2:172138984-172139006	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:126110818-126110840	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr4:243745475-243745497	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr1:173966036-173966058	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr10:82324963-82324985	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	4	1	0	3.86	1.93
Chr2:227378348-227378370	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr4:118394836-118394858	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr1:120162202-120162224	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr10:98826797-98826819	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr1:30188569-30188591	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	4	2	0	3.86	1.93
Chr2:88113739-88113761	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr7:72631088-72631110	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	1	0	3.86	1.93
Chr7:166689941-166689963	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr3:70168578-70168600	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr5:211550440-211550462	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:84923420-84923442	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	3	1	0	3.86	1.93
Chr3:145466295-145466317	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	1	0	3.86	1.93
Chr1:234790404-234790426	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr10:109963533-109963555	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr7:18440241-18440263	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr1:22291976-22291998	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	4	1	0	3.86	1.93
Chr9:43305404-43305426	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr2:206040861-206040883	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:1211243688-121124370	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	4	1	0	3.86	1.93
Chr8:106126726-106126748	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	4	2	0	3.86	1.93
Chr2:2036572-2036594	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	1	0	3.86	1.93
Chr5:15367646-15367668	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:16626963-16626985	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr9:52520696-52520718	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr7:33158870-33158892	4	X	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	0	0	3.86	1.93
Chr9:37991745-37991767	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr7:97000429-97000451	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr7:8288060-8288082	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr3:153802895-153802917	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr1:107894824-107894846	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr9:155135-155157	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr10:101005287-101005309	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr5:122217141-122217163	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	4	1	0	3.86	1.93
Chr5:79950097-79950119	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr2:134230735-134230757	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr2:87737890-87737912	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr10:53575327-53575349	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	1	0	3.86	1.93
Chr3:81163555-81163577	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr1:20366793-20366815	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr2:11201974-11201996	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr2:51176098-51176120	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr8:17674943-17674965	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.86	1.93
Chr8:78435436-78435458	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.86	1.93
Chr8:28603190-28603212	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.86	1.93
Chr5:30767483-30767505	2	RNA								

Chr2:122879933-122879955	122879937	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGCC-AGGcGAgctCCGGCAGG	-	5	1	0	3.30	1.65
Chr5:15899624-15899646	15899646	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgAgGAgGgAgG-T-CGGCCAG	+	5	2	0	3.30	1.65
Chr10:48356902-48356924	48356906	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGGgAGGgGgTCTCaGAAGCCAG	-	3	2	0	3.30	1.65
Chr7:135420232-135420254	135420237	4	DNA	GGC-CGAGGTGCACTACCGGCGNRG	aGCTCGAGGcGgAGTgGgCGCGAG	-	5	1	0	3.30	1.65
Chr7:31525853-31525875	31525859	4	DNA	GGC-CGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr2:24119474-24119496	24119492	2	DNA	GGC-CGAGGTGCACTACCGGCGNRG	GG-CGAGGTGCACTACCGGCGNRG	+	5	1	0	3.30	1.65
Chr5:91027512-9102774	9102758	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	Gh-aAGGcGgTCTCGGCTGG	+	5	1	0	3.30	1.65
Chr1:249986873-249986895	249986889	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GG-AGTCAaAaACCGGAgGG	+	5	2	0	3.30	1.65
Chr2:79513821-79513843	79513838	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGc-CaAcGATCGGAgGG	+	5	1	0	3.30	1.65
Chr9:158828559-15882881	158828583	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	Tg-AGGAaGAGCAcCTGCAAG	+	5	2	0	3.30	1.65
Chr1:304064781-304064803	304064798	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGcCAGGg-GaATcGgGAgGG	+	5	2	0	3.30	1.65
Chr9:125811554-125811576	125811569	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCaGAGtGGAT-CGGCCAG	+	5	2	0	3.30	1.65
Chr5:107175111-107175133	107175128	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCaAGcaCaACTACC-CGAG	+	5	2	0	3.30	1.65
Chr8:38140537-38140559	38140542	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGGTGCACTACCGGCGNRG	-	5	1	0	3.30	1.65
Chr4:14402499-144024931	144024925	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGGTGCACTACCGGCGNRG	+	5	1	0	3.30	1.65
Chr7:93519602-93519624	93519607	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	4	2	0	3.30	1.65
Chr5:192960636-192960658	192960654	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGTGGGgAGCTCaCGGCGAG	+	5	2	0	3.30	1.65
Chr7:16047436-16047458	16047443	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGCGAG-CGctgCaAGCGCGG	-	5	2	0	3.30	1.65
Chr4:143196923-143196945	143196941	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGTCAAGCTCGAGGcAGtGGCGGG	+	5	2	0	3.30	1.65
Chr9:69062577-69062599	69062595	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGGcGAGgAGCTGCGAG	+	5	1	0	3.30	1.65
Chr3:7770701-7770723	7770718	3	DNA	GGC-CGAGGTGCACTACCGGCGNRG	GGCTCaAcGcCaACTACCGGCGNRG	+	5	1	0	3.30	1.65
Chr10:121024132-121024154	121024136	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.30	1.65
Chr1:159291722-159291744	159291727	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	1	0	3.30	1.65
Chr4:54536944-54536966	54536949	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGHAGGAGGCTGAGCaGGGGG	+	5	1	0	3.30	1.65
Chr2:105621831-105621853	105621836	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	T-CGCAAGcGCTCAGcCGGCGAG	+	5	1	0	3.30	1.65
Chr7:37989950-37989972	37989956	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr10:1696868-1696908	1696901	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCgGcGc-GgGgCGGCGAG	+	5	2	0	3.30	1.65
Chr8:132268614-132268636	132268620	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCgGgGTgGg-CAcCGGAgGG	+	5	2	0	3.30	1.65
Chr1:155052334-155052356	155052349	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCaGgGc-GcACaCaAGcGGG	+	5	1	0	3.30	1.65
Chr4:10986142-10986164	10986149	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGGCGAGGTGCTGcGAGGCGCAG	+	4	2	0	3.30	1.65
Chr2:72771318-72771340	72771334	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-tcGaaCTACCGGCTGG	+	4	2	0	3.30	1.65
Chr10:129636421-129636443	129636437	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCCAGGcCGA-CAcctGgTGG	+	5	2	0	3.30	1.65
Chr3:103618456-103618478	103618474	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GCCAGAGGCTGATCAcCaAG	+	5	1	0	3.30	1.65
Chr2:18563696-18563718	18563701	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	cGCaAGGTHcTGTAGCGGGTGG	-	5	1	0	3.30	1.65
Chr7:8657947-8657969	8657952	3	DNA	GGC-CGAGGTGCACTACCGGCGNRG	GcTCTGgGgGCTCTCGGCTGG	-	5	1	0	3.30	1.65
Chr5:9761978-9761999	9761993	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCc-CTgAGcAGCTAGCGGAGG	+	5	2	0	3.30	1.65
Chr9:128092340-128092362	128092355	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaaCAAGGTGG-TCcCaAGTGG	+	5	2	0	3.30	1.65
Chr8:139942205-139942227	139942222	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGGCGAGGTGCTGgAGGAGCGCAG	+	5	2	0	3.30	1.65
Chr3:4825390-4825412	4825396	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCCAGGcCGAC-CCGCAAG	+	5	2	0	3.30	1.65
Chr7:62390275-62390297	62390291	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGGAGGcTCTGcGcAGG-GGCAAG	+	4	1	0	3.30	1.65
Chr8:153505433-153505455	153505438	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGcTCTcCCcCGCG	-	4	2	0	3.30	1.65
Chr8:119767152-119767174	119767169	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtGAGGtGgAGCa-GGGCGG	+	4	2	0	3.30	1.65
Chr1:7338788-7338810	73387795	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGCTGCaCaAGcGGCGG	-	5	1	0	3.30	1.65
Chr7:48106004-48106026	48106020	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	Gc-aCGGCTGCaCaAGcGGCGG	+	4	2	0	3.30	1.65
Chr2:14499534-14499556	14499552	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCCGA-1wccCaCCCGCGG	+	4	2	0	3.30	1.65
Chr8:15801857-15801879	15801873	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGGcGCTGAGCAcCGGCGG	+	3	2	0	3.30	1.65
Chr2:115610922-115610944	115610927	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	aGc-AGTGTGACTGCGGAgAG	+	5	2	0	3.30	1.65
Chr5:159188090-159188112	159188097	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGcCGG-TgCaAGGAgG	+	5	1	0	3.30	1.65
Chr2:108882451-108882473	108882467	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	TcCGAGGcCGACTCCCGGCGAG	+	5	2	0	3.30	1.65
Chr4:120350896-120350918	120350914	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr3:39270810-39270832	39270815	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GgGtGAGaaGACTGACCcGGGG	-	5	1	0	3.30	1.65
Chr6:29714832-29714854	29714850	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGgAGAGGcCG-TACaGAGCG	+	5	2	0	3.30	1.65
Chr3:199787056-199787078	199787060	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCCAGGcGcCG-TgCGGAgAG	+	5	1	0	3.30	1.65
Chr8:139103175-139103197	139103182	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGGcAGGCTG-1TcGCGCAGG	-	5	2	0	3.30	1.65
Chr3:154781338-154781360	154781356	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-CAGAGGcCGcCaCGcCGCG	+	5	2	0	3.30	1.65
Chr1:18438664-18438686	18438670	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGcGAGGTGCG-TGcGgAGAG	+	5	2	0	3.30	1.65
Chr8:153051902-153051924	153051918	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGGcCGAG-CCGAgAGG	+	5	2	0	3.30	1.65
Chr2:9239214-9239236	9239218	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGcGc-GGcCaACTCCGCGCG	-	5	1	0	3.30	1.65
Chr7:135879138-135879160	135879144	4	DNA	GGC-CGAGGTGCACTACCGGCGNRG	GtCCGAGGTGCTGCTCCGCTGG	-	5	1	0	3.30	1.65
Chr9:15295368-15295390	15295374	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCC-HGctGACTACCGGCTGG	-	4	2	0	3.30	1.65
Chr5:168752859-168752881	168752865	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	TgAGCAGGAGCaAGAG-GGCAAG	-	5	1	0	3.30	1.65
Chr4:68993740-68993762	68993755	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	aGcAGAGcCGA-AgCGCAAG	+	5	2	0	3.30	1.65
Chr2:1392809-1392831	1392825	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGAGGTGAGcAGcAGCGGG	+	4	1	0	3.30	1.65
Chr6:169119644-169119666	169119649	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCgAGGcCGAC-CCGTGAGG	+	5	2	0	3.30	1.65
Chr2:90107750-90107772	90107756	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-aCGGCTGCaGcAGcAGCGGG	-	5	1	0	3.30	1.65
Chr6:9411871-9411893	9411877	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr1:259601813-259601835	259601829	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	GcCGAGcCGAG-TCGACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr10:14976272-14976274	149762737	2	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr1:79911649-79911671	79911667	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCGGAGGcCaAaT-TGGCGAG	+	5	2	0	3.30	1.65
Chr4:142083947-142083969	142083963	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGGcAGGcCGACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr2:112183309-112183331	112183315	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCAGGTGgAGT-TAGAgAG	+	5	2	0	3.30	1.65
Chr6:148381872-148381894	148381887	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtC-tcctTGACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr6:79844790-79844812	79844806	4	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGAGTCTgagctCTGG	+	5	2	0	3.30	1.65
Chr3:76184669-76184691	76184687	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGGcGtGgGt-CTAaCGGCGAG	+	5	2	0	3.30	1.65
Chr1:69014233-69014255	69014249	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	aCCGAGGTGgGc-CCcCGAG	+	5	2	0	3.30	1.65
Chr5:14896016-14896038	14896032	4	X	GGCCGAGGTGCACTACCGGCGNRG	GcCCcGc-aGcAGTCTAG	+	5	2	0	3.30	1.65
Chr4:34640935-34640957	34640950	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGAGGcGcGCTCTCCTGAG	+	4	0	0	3.30	1.65
Chr1:14600836-14600858	14600843	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGGCTCaAGAGCGGAGG	+	5	1	0	3.30	1.65
Chr5:150381051-150381073	150381057	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	-	5	2	0	3.30	1.65
Chr8:59459813-59459835	59459817	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	cCGCC-GTCACTCCGCGGG	-	5	2	0	3.30	1.65
Chr5:81399374-81399396	81399391	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCCAGGcCGAGT-CCGAgAG	+	5	2	0	3.30	1.65
Chr7:56199891-56199913	56199895	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGGcGgG-gtGCGCGAG	+	5	2	0	3.30	1.65
Chr8:27680198-27680220	27680215	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGGcGAGcCTCGCGGG	+	5	2	0	3.30	1.65
Chr7:60205438-60205460	60205442	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	aGCTGcGgGACTACT-CTGG	-	5	2	0	3.30	1.65
Chr2:46487787-46487809	46487804	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaaCAAGGTGG-TCcCaGtTGG	+	5	2	0	3.30	1.65
Chr1:122650852-122650874	122650860	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTGCACTACCGGCGNRG	+	5	2	0	3.30	1.65
Chr9:121389305-121389327	121389320	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGGc-GgCTACGCGGG	+	5	2	0	3.30	1.65
Chr6:81106471-81106493	81106489	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGGcGcGAG-CCGTCAGG	+	5	2	0	3.30	1.65
Chr5:34015526-34015548	34015544	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	TCCaAGGT-ACTACTGCTAG	+	5	2	0	3.30	1.65
Chr8:113133356-113133378	113133360	2	RNA	GGCCGAGGTGCACTACCGGCGNRG	cCGCCGgGTCGACT-TGGAgAG	+	4	2	0	3.30	1.65
Chr7:47143964-47143986	47143970	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGGcCGAGG-CGGAGG	+	5	2	0	3.30	1.65
Chr10:130917066-130917088	130917072	4	RNA	GGCCGAGGTGCACTACCGGCGNRG	cGcCGAGGcGAGCACTAC-CgAgAG	-					

Chr3:195863035-195863042	5	DNA	GGCCGAGGTGACTA-CCGGCNRG	cttCaAGGcGACAAATCCGGCAGG	-	5	2	3	0.00	1.50
Chr9:9851479-9851501	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgtCaAGGcGAG-CtGGCCGG	+	5	2	3	0.00	1.50
Chr9:22545982-22546004	2	RNA	GGCCGAGGTGACTACCGGCGNRG	GgtCaAGTcGgC-CCGCGAG	+	5	2	3	0.00	1.50
Chr8:53892169-53892191	3	RNA	GGCCGAGGTGACTACCGGCGNRG	G-aCGGgTTCGACaAGcGGCGG	+	5	1	3	0.00	1.50
Chr4:45405850-45405872	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GgaCAAGTcG-CtCaAGaTGG	-	5	2	3	0.00	1.50
Chr3:66790130-66790152	5	RNA	GGCCGAGGTGACTACCGGCGNRG	cttCaAGGcGACTA-CtGGaAG	+	5	2	3	0.00	1.50
Chr2:58887090-58887112	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgGcCG-CtGcAGcCAcTCCGGCCGG	+	5	1	3	0.00	1.50
Chr3:193999605-193999627	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGCCGAGGcGCAC-CpGGAACAG	+	3	2	3	0.00	1.50
Chr4:136515459-136515481	5	RNA	GGCCGAGGTGACTACCGGCGNRG	aGCCAGG-abAGtTcCtGGCGG	+	5	2	3	0.00	1.50
Chr3:230050058-230050080	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCG-GTgCAcACCGGaTAG	-	5	2	3	0.00	1.50
Chr6:55177304-55177326	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgtCGAGGtCgtTAC-GCCAG	+	5	2	3	0.00	1.50
Chr10:100294613-100294635	3	RNA	GGCCGAGGTGACTACCGGCGNRG	t-CGAGGgCGACTCCGCGNRG	+	5	2	3	0.00	1.50
Chr10:32442091-32442113	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgtCGcGtTGACTA-GGTtGG	-	5	2	3	0.00	1.50
Chr8:64079907-64079929	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgaCAaGcGACTAC-GaTAG	+	5	2	3	0.00	1.50
Chr9:7723232-7723254	5	DNA	GGCCGAGGTGACTACCGGCGNRG	GGCCGAGGcCGAGGtggGcCGAG	-	5	2	3	0.00	1.50
Chr2:155189783-155189805	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCG-GTtCAcTCCGGaAG	+	5	2	3	0.00	1.50
Chr4:33876484-33876506	3	RNA	GGCCGAGGTGACTACCGGCGNRG	YgCtG-GTgTACTCCGGCTGG	+	5	1	3	0.00	1.50
Chr6:7358961-7358983	5	DNA	GGCCGAGGTGACTACCGG-CNRG	GGCCGAGGcGANTgCtCGCTCAG	-	5	2	3	0.00	1.50
Chr8:40668907-40668929	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCGAGGT-GAGaAaCaCGCGG	-	5	1	3	0.00	1.50
Chr2:12813627-12813649	3	DNA	GGCCGAGGTGACTACCGG-CNRG	cGCCAGTCACTcCaGCGCGG	+	5	1	3	0.00	1.50
Chr4:228599171-228599193	3	RNA	GGCCGAGGTGACTACCGGCGNRG	aaCAAGTtGcCT-CCGCGAG	-	5	1	3	0.00	1.50
Chr2:213719094-21371916	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCG-gcCAaCtCCGcCAGG	-	5	2	3	0.00	1.50
Chr2:124931731-124931753	3	RNA	GGCCGAGGTGACTACCGGCGNRG	tGCCGGGTGcGg-CpGCGAGG	+	4	2	3	0.00	1.50
Chr5:84770055-84770077	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-AGGcCGAcACCGCGCGG	-	3	2	3	0.00	1.50
Chr4:63176355-63176377	3	DNA	GGCCGAGGTGACTACCGGCGNRG	GgcCActcTGATTCtACCGCGGAG	+	5	2	3	0.00	1.50
Chr6:40009000-40009022	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCGAGGTGACTA-CtGATAG	-	5	2	3	0.00	1.50
Chr4:11008653-11008675	5	X	GGCCGAGGTGACTACCGGCGNRG	GgaagGAGTgGcCTAgCGGCTGG	-	5	0	3	0.00	1.50
Chr4:188538030-188538052	5	RNA	GGCCGAGGTGACTACCGGCGNRG	G-aCGGCTGCAGcAGcGGCGG	-	5	0	3	0.00	1.50
Chr3:77466751-77466773	3	RNA	GGCCGAGGTGACTACCGGCGNRG	tG-GAItGCTcAGtCGGcGGG	+	5	2	3	0.00	1.50
Chr5:157330107-157330129	5	DNA	GGC-CGAGGTGACTACCGGCGNRG	GtCCGAGGcGAGcTtCCGGCTGG	-	5	1	3	0.00	1.50
Chr5:11328005-11328027	5	DNA	GGCCGAG-GTcGACTACCGGCGNRG	GtTCAGGCTCaCAgTCCGGCGG	-	5	1	3	0.00	1.50
Chr10:39633639-39633661	3	DNA	GGCCGAG-GTcGACTACCGGCGNRG	GGCCaCGACTCGACTCcaCGCGG	+	3	1	3	0.00	1.50
Chr2:219570108-219570130	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGcGAGGTcGgTgGAGGCGAG	+	5	2	3	0.00	1.50
Chr8:77297147-77297169	3	DNA	GGCCGAGGTGACTACCGGCGNRG	GgCAGtGTgGACTA-GaTAG	+	4	2	3	0.00	1.50
Chr1:74967262-74967284	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GaCaG-GTTCAGcACCaCGCGG	+	5	1	3	0.00	1.50
Chr1:78346621-78346643	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCG-GTgCAcACCGGcAGG	+	5	2	3	0.00	1.50
Chr4:91865786-91865808	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GgCAAGTcCaACTC-CtGCGAG	-	5	1	3	0.00	1.50
Chr6:80911482-80911504	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgtCGAGG-GtaTgCGCTGG	+	5	2	3	0.00	1.50
Chr8:85467880-85467902	5	DNA	GGCCGAGGTGACTACCGGCGNRG	cGCCGAGGTGACTACCGGcTAG	+	5	1	3	0.00	1.50
Chr5:11142263-11142285	3	DNA	GGCCGAG-GTcGACTACCGGCGNRG	GtTCAGGCTCaCAgTCCGGCGG	+	5	1	3	0.00	1.50
Chr4:42889199-42889221	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-tcGgGACTACCGCTGG	-	4	2	3	0.00	1.50
Chr1:85673274-85673296	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-tcGgGACTACCGCTGG	-	5	2	3	0.00	1.50
Chr2:206150669-206150691	5	RNA	GGCCGAGGTGACTACCGGCGNRG	caCAAGTtGCTcCT-CCGCGAG	-	5	1	3	0.00	1.50
Chr1:286083702-286083724	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGCCGAGG-CGAgTgCtGtAGG	+	5	2	3	0.00	1.50
Chr1:81781405-81781427	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-CGAGG-CtCpCAAGcCGCGG	+	5	2	3	0.00	1.50
Chr8:69059183-69059205	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCGAGGTGACTA-CtGGaAG	-	5	1	3	0.00	1.50
Chr7:43056476-43056498	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGCCcGgGATc-CTcCAcCGAG	+	5	2	3	0.00	1.50
Chr7:85795292-85795314	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCAGGcCGAgT-GcCTAG	-	5	2	3	0.00	1.50
Chr9:10786263-10786285	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-tcGgGACTACCGCTGG	+	4	2	3	0.00	1.50
Chr2:188710859-188710881	3	DNA	GGCCGAGG-TGcACTACCGGCGNRG	GGCCGAGAGcGcTcCCGCGGG	+	4	1	3	0.00	1.50
Chr10:53404957-53404979	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GgaAGAGGc-CTAcGCGCGG	-	5	2	3	0.00	1.50
Chr3:202112108-202112130	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtTCAGTcGcCAcCaC-GaAG	+	5	2	3	0.00	1.50
Chr1:223701304-223701326	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgtCGAGTcCaCAcACCGGAGG	+	5	1	3	0.00	1.50
Chr1:244285271-244285293	3	DNA	GGCCGAGGTGACTACCGGCGNRG	GtCCAGGcGACaAGcGGCGGG	+	5	1	3	0.00	1.50
Chr9:74069710-74069732	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgtCGAGTcCAcCT-CCGCGAG	+	4	1	3	0.00	1.50
Chr7:14598944-14598966	5	DNA	GGCCGAGGTGACTACCGG-CNRG	GtCCGAGTcGcAGcCGGCTCGG	+	5	2	3	0.00	1.50
Chr10:96085458-96085480	5	RNA	GGCCGAGGTGACTACCGGCGNRG	aCGcAGGcCGCA-AGcCAAGAG	+	4	2	3	0.00	1.50
Chr3:71530987-71531009	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCGcGgGcGgCt-CpGCGCGG	+	5	2	3	0.00	1.50
Chr1:134632198-134632220	3	RNA	GGCCGAGGTGACTACCGGCGNRG	cCGcGgGTC-CtAcAGcCGGAG	+	5	1	3	0.00	1.50
Chr9:1353433-1353455	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GG-ccCTGcAGcACcAGAG	+	5	2	3	0.00	1.50
Chr7:8233790-8233812	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGCCGAGcGcCA-AGgGGGAG	-	5	2	3	0.00	1.50
Chr4:243915434-243915456	5	RNA	GGCCGAGGTGACTACCGGCGNRG	a-cCGGcGTCAGcACcAGcGGG	+	5	1	3	0.00	1.50
Chr6:36665946-36665968	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GgaGcGg-CGAGcACCGCGAG	-	5	1	3	0.00	1.50
Chr2:106984011-106984033	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GG-GAGGTGACaAGgGAGAG	-	5	2	3	0.00	1.50
Chr8:6373283-6373305	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-tcCaGACTACCGCTGG	-	5	2	3	0.00	1.50
Chr8:98099744-98099766	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCGAGGTGACTA-CtGGaAG	-	5	1	3	0.00	1.50
Chr2:49880304-49880326	5	DNA	GGCCGAG-GTcGACTACCGGCGNRG	cGCCAGT-GTcGCTcACcCGcAG	+	5	2	3	0.00	1.50
Chr8:94951551-94951573	3	DNA	GGCCGAGGTGACTACCGGCGNRG	aGcCAGAGcGAGTAgCGGCGG	+	5	1	3	0.00	1.50
Chr4:282017-282039	3	DNA	GGCCGAGGTGACTACCGGCGNRG	GgcCAaTcGATTCtACCGCGAG	+	5	2	3	0.00	1.50
Chr4:146362552-146362574	3	RNA	GGCCGAGGTGACTACCGGCGNRG	G-cCGGCTGcAGcACcAGcGAG	+	5	1	3	0.00	1.50
Chr6:150702946-150702968	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GgaCAcCccGACT-CCGGTGG	-	5	1	3	0.00	1.50
Chr6:6554771-6554793	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GcCCAGGcGcCA-ActGcTGG	+	5	2	3	0.00	1.50
Chr8:139110353-139110375	3	RNA	GGCCGAGGTGACTACCGGCGNRG	cGCCAGTcGATcA-GtCCAG	-	5	2	3	0.00	1.50
Chr4:246679674-246679696	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GGCTc-GcCAcTCCGGCGAG	-	5	2	3	0.00	1.50
Chr4:148403328-148403350	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GgaCAcC-CGACTtCGCGGG	+	5	2	3	0.00	1.50
Chr8:44405456-44405478	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCGAGGcGcA-TAcCGaAGG	+	5	2	3	0.00	1.50
Chr7:137679183-137679205	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgaCAAGTGGG-TcCAaAGTGG	+	4	2	3	0.00	1.50
Chr6:100859359-100859381	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-AGGcCAcCctCCGCGCGG	-	4	2	3	0.00	1.50
Chr2:134158352-134158374	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-tcCaGACTACCGCTGG	-	4	2	3	0.00	1.50
Chr6:172138342-172138364	3	RNA	GGCCGAGGTGACTACCGGCGNRG	t-CGGcGAGcTtCCGGCTGG	+	5	2	3	0.00	1.50
Chr9:34716853-34716875	3	RNA	GGCCGAGGTGACTACCGGCGNRG	aGCCAGTtG-GTAcCaGcAG	+	5	2	3	0.00	1.50
Chr2:58230730-58230752	3	RNA	GGCCGAGGTGACTACCGGCGNRG	CaCAgAGGTgGACTA-GtCAGG	+	5	2	3	0.00	1.50
Chr7:66577596-66577618	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GGCCAGcCtCG-CCtGgGAG	-	5	2	3	0.00	1.50
Chr10:74059386-74059408	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCG-GGcCAcCtCCGCGGG	+	5	1	3	0.00	1.50
Chr1:258847360-258847382	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GGC-AGGcCctcAGcGGcAGG	-	4	2	3	0.00	1.50
Chr5:8787614-87876163	3	DNA	GGCCGAGGTGACTACCGGCGNRG	tGGcGAGGTGACTA-CtGGaAGG	-	5	1	3	0.00	1.50
Chr10:22027543-22027565	3	RNA	GGCCGAGGTGACTACCGGCGNRG	G-cGCGAGcGAGcACCGCTGG	+	5	2	3	0.00	1.50
Chr3:132257332-132257354	3	DNA	GGCCGAGGTGACTACCGGCGNRG	GtCTCGGAGcGtTtCCGGCTGG	+	5	1	3	0.00	1.50
Chr4:138186651-138186673	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCGcGg-CGAGtCCGCGGG	+	5	1	3	0.00	1.50
Chr2:26553003-26553025	5	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCGAGGTGcGcC-CcAGgGAG	+	5	2	3	0.00	1.50
Chr3:205099959-205099981	5	RNA	GGCCGAGGTGACTACCGGCGNRG	tCCAGAGTGG-CtCCGAGTAG	-	5	2	3	0.00	1.50
Chr3:12054105-12054127	3	RNA	GGCCGAGGTGACTACCGGCGNRG	tGgaAGGtGAGAcCA-GCTGG	+	5	2	3	0.00	1.50
Chr4:9116443-9116465	3	RNA	GGCCGAGGTGACTACCGGCGNRG	cGAcGAGtTcGACcAc-CGCCAG	+	4	2	3	0.00	1.50
Chr7:72561296-72561318	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgGcGAGcTtTt-AGcCGCGAG	+	5	1	3	0.00	1.50
Chr7:45607765-45607787	3	DNA	GGCCGAGGTGACTACCGG-CNRG	cGCCGAGTtCGAGcCGGcAG	+	5	1	3	0.00	1.50
Chr9:63648216-63648238	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCCaGAGTAT-CtCCAG	+	5	2	3	0.00	1.50
Chr8:145308585-145308607	5	DNA	GGCCGAGGTGACTACCGGCGNRG	aGcCAGGTTCcGACaAGcGGcCAGG	+	5	2	3	0.00	1.50
Chr6:90307141-90307163	3	DNA	GGCCGAGGTGACTACCGGCGNRG	GtCCcGAGcGACTGcCGCGCGG	+	5	1	3	0.00	1.50
Chr4:85644323-85644345	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GggGgGtTCAG-CgGCGAG	+	5	2	3	0.00	1.50
Chr6:65905996-65906018	5	RNA	GGCCGAGGTGACTACCGGCGNRG	aGCCcCG-GGaTcCCGCGAG	+	5	2	3	0.00	1.50
Chr5:62958383-62958405	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GgGcCG-AGcCAcCtCCGCGGG	+	5	1	3	0.00	1.50
Chr3:221386973-221386995	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCG-GTgCAcACCGcAG	+	5	2	3	0.00	1.50
Chr9:107556476-107556498	3	RNA	GGCCGAGGTGACTACCGGCGNRG	GtCCG-GTgCAcACCGcAG	-	5	2	3	0.00	1



Chr10:78654684-78654706	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-GAGGTGAGgACtCGGGGG	-	5	1	3	0.00	1.50
Chr1:267012530-267012552	5	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGGTGCACaCgAGCGGG	-	5	1	3	0.00	1.50
Chr10:125820073-125820095	5	DNA	GGCCGAGGTGCACTACCCGCRNG	GGGGAAGTTCgCgCaGAGCGCAG	-	5	2	3	0.00	1.50
Chr4:94800265-94800287	5	RNA	GGCCGAGGTGCACTACCGGCRNG	tGCGgGtGCTGACTAC-GGAAG	-	5	1	3	0.00	1.50
Chr4:10013239-10013261	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tTCCGAGtCCGATTA-GGCAAG	+	5	2	3	0.00	1.50
Chr9:120983383-120983400	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GGGCGAGGTGATTA-GAGCGAG	+	5	2	3	0.00	1.50
Chr4:13009066-13009068	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGAGGTc-ACgagCGGcAG	+	5	2	3	0.00	1.50
Chr4:6496967-6496989	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGcGgGcGg-gACaGCGGGG	+	5	2	3	0.00	1.50
Chr6:36624904-36624926	5	RNA	GGCCGAGGTGCACTACCGGCRNG	tGCCGAGGTGc-TAItGcGGG	+	5	2	3	0.00	1.50
Chr5:101643973-101643995	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-HtGgGACTACtGGCTAG	-	5	2	3	0.00	1.50
Chr2:222670902-222670924	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-HtGcGcGAGtTCCGGCGGG	+	5	2	3	0.00	1.50
Chr7:21137739-21137761	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GGtCGAGGtCGACTACtCGaAGGG	+	4	1	3	0.00	1.50
Chr8:172012767-172012789	3	RNA	GGCCGAGGTGCACTACCGGCRNG	caC-AGGTcGCTACtCGgAGG	+	5	1	3	0.00	1.50
Chr3:54020223-54020245	5	RNA	GGCCGAGGTGCACTACCGGCRNG	tGtCG-gaCGAaTACgGGGCAAG	-	5	2	3	0.00	1.50
Chr4:12147030-12147052	5	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CtCGtGcGgTACtCGCAGG	-	5	1	3	0.00	1.50
Chr5:168809714-168809736	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGcGAGGc-CgGtTAItGcACTGG	+	5	1	3	0.00	1.50
Chr1:42321946-42321968	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tGCCGAGGTgG-tTgCtACTGG	+	5	2	3	0.00	1.50
Chr7:26196527-26196549	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GAcaG-GtTCACaCgAGcGGG	+	5	1	3	0.00	1.50
Chr3:183744311-183744333	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCGAGGgGgGc-gcGcGGG	+	5	2	3	0.00	1.50
Chr1:2335196-2335218	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGGTGCAGcAAGcGGG	+	5	1	3	0.00	1.50
Chr9:8133146-8133168	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGgGACTACCGCTGG	-	4	2	3	0.00	1.50
Chr1:61110248-61110270	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGc-gGcCAcTCCGGCCGG	+	5	2	3	0.00	1.50
Chr5:11950623-11950645	5	DNA	GG-CCGAGGTGCACTACCGGCRNG	GGTACGAAGgGcCAcCaCGAAG	+	5	1	3	0.00	1.50
Chr2:51023454-51023476	5	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CtCGGGcGAGtACtGGCAGG	-	5	1	3	0.00	1.50
Chr6:70088222-70088244	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCaCAAG-gACtTcGcCGGG	+	4	2	3	0.00	1.50
Chr1:43873663-43873685	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tGgCGAGGTGCAGcAGc-TtGCG	+	5	2	3	0.00	1.50
Chr1:165740390-16570412	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CtCGGGTGCAGcAAGcGGG	+	5	1	3	0.00	1.50
Chr5:122722957-122722979	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GGtCGgTgTtGtTACTACtGGCTAG	+	5	2	3	0.00	1.50
Chr1:150154701-150154723	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tCaGcGGTGCCTAC-GGtTGG	+	5	2	3	0.00	1.50
Chr4:9539893-9539915	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGGTGCAGTcCGAGAGG	-	5	1	3	0.00	1.50
Chr5:115739814-115739836	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGtGgTGCCTAC-GGtTGG	-	5	2	3	0.00	1.50
Chr2:164461449-164461471	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGAGGcGGA-AggGgGAG	-	5	2	3	0.00	1.50
Chr2:16008853-16008875	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGgGAGGTgG-TAItGcGCTGG	+	5	2	3	0.00	1.50
Chr5:22807892-22807914	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGtCAaTcTG-CtACtCGGGAG	-	5	1	3	0.00	1.50
Chr9:35485798-35485820	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCGtTtTCAGtTA-GtCCGG	-	5	2	3	0.00	1.50
Chr2:1775457-1775459	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCaGAGTGC-CtTAcCGAG	+	5	1	3	0.00	1.50
Chr9:7548854-7548876	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGAGGtGcTcTcGgGCTGG	+	5	1	3	0.00	1.50
Chr5:8595965-8595987	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCaGAGcTGCAC-CtCGCAAG	-	5	2	3	0.00	1.50
Chr1:119836610-119836632	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-GAGGTGCAGcAGcGAGTAG	-	4	1	3	0.00	1.50
Chr2:5972866-5972888	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tGCCGtGcCt-TcCCGGCCGG	+	5	2	3	0.00	1.50
Chr3:38682391-38682413	3	RNA	GGCCGAGGTGCACTACCGGCRNG	aGcCAcGTCACTAGc-CAGG	-	5	2	3	0.00	1.50
Chr6:135776647-135776669	5	DNA	GGC-CGAGGTGCACTACCGGCRNG	GGCTCtGgGgTcCaCAGcCGGCGGG	+	5	2	3	0.00	1.50
Chr6:170124276-170124298	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGcAGcTcGtTCTc-GtCGAG	-	5	1	3	0.00	1.50
Chr1:18355817-18355839	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGcCa-gTcGtTACCGGAGGA	-	5	2	3	0.00	1.50
Chr9:194442821-194442843	5	RNA	GGCCGAGGTGCACTACCGGCRNG	tTCCCGtGcCt-TcCCGGCCGG	-	5	2	3	0.00	1.50
Chr7:174852216-174852238	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tGcG-HtGgGAGTACtACTGAG	+	5	2	3	0.00	1.50
Chr8:14945620-14945642	3	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-GAGGTGCAGaCcaGAGAG	-	4	2	3	0.00	1.50
Chr5:2510066-2510088	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-HtGgGACTACCGCTGG	+	4	2	3	0.00	1.50
Chr3:5740871-5740893	3	RNA	GGCCGAGGTGCACTACCGGCRNG	caCAAGTtGcTc-CtCGCCAG	+	5	1	3	0.00	1.50
Chr9:113641452-113641474	5	RNA	GGCCGAGG-TGACTACCGGCRNG	GtCCtTtTTCACTACCGGCTGG	-	5	1	3	0.00	1.50
Chr4:176923490-176923512	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCAcTCCGGCCGG	-	4	2	3	0.00	1.50
Chr4:211891563-211891585	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GgaAGAGTtCtCtCAAGaAGG	+	5	1	3	0.00	1.50
Chr2:124461429-124461451	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGtGA-TCACTcTcGgAGAG	+	5	2	3	0.00	1.50
Chr2:54091487-54091509	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGCCAaAGTGCatAa-GtCGAG	+	5	2	3	0.00	1.50
Chr1:147825700-147825722	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtgggGgGcGGA-ACCgGtCGG	+	5	2	3	0.00	1.50
Chr10:12874537-12874549	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCaGAGTGC-GACTACCGAG	+	5	2	3	0.00	1.50
Chr4:29567025-29567047	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GGcGAGGTTCGtCGaGAGCGCAG	+	5	2	3	0.00	1.50
Chr6:132897142-132897164	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GAca-GtTCAGcAcaCGcGGG	+	5	1	3	0.00	1.50
Chr7:81881669-81881691	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGAGtGtGtGTA-CtCGCCGG	-	5	1	3	0.00	1.50
Chr2:60223890-60223912	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCG-GTCAcAGcGAGAGG	-	5	2	3	0.00	1.50
Chr10:112183284-112183306	5	RNA	GGCCGAGGTGCACTACCGGCRNG	aGcCAAG-gAaAGcCGCGGG	-	5	2	3	0.00	1.50
Chr9:32186804-32186826	5	DNA	GGCCGAGGTGCACTACCGGCRNG	cGCCGAGcAtCTCAcCGGCGGG	+	5	1	3	0.00	1.50
Chr10:88430537-88430559	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCGAGcAcaCGAGAG	-	4	2	3	0.00	1.50
Chr5:195505904-195505926	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCtCGcGcGCTc-CGGCTGG	-	5	2	3	0.00	1.50
Chr8:18632562-18632584	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCtCGcGc-ACTAGcGAGAG	-	5	2	3	0.00	1.50
Chr7:71727341-17727343	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGCCGAGGTGgGgA-TcCGCGGG	+	5	2	3	0.00	1.50
Chr5:201524946-201524968	3	RNA	GGCCGAGGTGCACTACCGGCRNG	atCCGtGt-GACTACCGCGGG	+	5	2	3	0.00	1.50
Chr5:27832865-27832887	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCAcTcCGCCGG	-	4	2	3	0.00	1.50
Chr1:181021666-181021688	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-HtGgGACTACCGCTGG	-	4	2	3	0.00	1.50
Chr8:15550544-15550566	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CGAGGTGCAGgtGgGCGAG	+	4	1	3	0.00	1.50
Chr4:204248123-204248145	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGCCGAGTGCAGc-CGGCTAG	+	5	2	3	0.00	1.50
Chr1:28789432-28789454	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCAGGcC-CcACCGCAG	-	5	2	3	0.00	1.50
Chr8:148618540-148618562	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTgCAcCAcCGAGAG	+	5	2	3	0.00	1.50
Chr1:93501870-93501892	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcTGCAGcACtCGCGGG	-	4	2	3	0.00	1.50
Chr1:10255097-10255119	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCc-ctGcCAcCGAGAG	+	5	2	3	0.00	1.50
Chr6:19409954-19409976	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGTGCAGcCACTAGAG	+	5	2	3	0.00	1.50
Chr1:4946356-4946378	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GAcCGAGcCGAGcCaAGAG	+	5	1	3	0.00	1.50
Chr8:135074276-135074298	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GAcCGAGGT-GAGcAcaAGAG	+	5	1	3	0.00	1.50
Chr6:36494689-36494711	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGcAGtGTG-TCTcGcCAGG	-	5	2	3	0.00	1.50
Chr8:103269032-103269054	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCaGcGGTGA-AagGcGGG	+	5	1	3	0.00	1.50
Chr8:53054923-53054945	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGGTGCAGcAAGcGGG	+	5	1	3	0.00	1.50
Chr5:42636727-42636749	3	RNA	GGCCGAGGTGCACTACCGGCRNG	ctCAAGGTGcGc-gCCGCGAG	+	5	1	3	0.00	1.50
Chr1:190416490-190416512	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGgGACTACCGACTGG	-	5	2	3	0.00	1.50
Chr7:6570760-6570782	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGtGACTACCGCTGG	-	5	2	3	0.00	1.50
Chr8:8285005-8285027	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGcCGAGGTg-TggCGCTGG	+	5	2	3	0.00	1.50
Chr1:114525209-114525231	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGTGACTACCGGCRNG	+	5	2	3	0.00	1.50
Chr8:84291806-84291828	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCGcAaTCACTcCGGCTAG	+	5	1	3	0.00	1.50
Chr1:5666526-5666548	5	DNA	GGC-CGAGGTGCACTACCGGCRNG	GtCTCGgGAGcTcTCCGtTGG	-	5	1	3	0.00	1.50
Chr5:6292596-6292598	3	X	GGCCGAGGTGCACTACCGGCRNG	GtCCGAGGTGCAGcTcGcGGG	+	5	0	3	0.00	1.50
Chr2:12763024-12763046	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGtCAAGcC-TCTcGcCAG	+	5	2	3	0.00	1.50
Chr6:172063662-172063684	3	DNA	GGC-CGAGGTGCACTACCGGCRNG	GtCGcGAGcGtTCTCGGCTGG	-	5	1	3	0.00	1.50
Chr1:190593432-190593454	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tTCCAGTGCAGTA-IGCCGG	+	5	2	3	0.00	1.50
Chr2:54183719-54183741	3	DNA	GGC-GAGGTGCACTACCGGCRNG	GtCTCGgGAGcGtTCTCGGCTGG	+	5	1	3	0.00	1.50
Chr1:266876252-266876274	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCGGGTGCAGcAAGcGGGAG	+	5	1	3	0.00	1.50
Chr5:162335113-162335135	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GtGtCGAGTTCAGtTcGgCtCCGG	-	5	2	3	0.00	1.50
Chr4:9694999-9695021	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tGcGAGTGCAGTcC-TTGG	+	5	2	3	0.00	1.50
Chr2:11257790-11257812	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCGAGGcGCA-AcTtGtTGG	+	5	2	3	0.00	1.50
Chr5:188062070-188062092	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGAIAAGTGG-TcTcCAgTGG	+	5	2	3	0.00	1.50
Chr5:27782968-27782990	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGGcCAcCtCCGGCCGG	-	5	1	3	0.00	1.50
Chr2:124722901-124722923	3	RNA	GGCCGAGGTGCACTACCGGCRNG	aGcCAcTcCAc-CaCGAG	+	5	2	3	0.00	1.50
Chr9:105929883-105929905	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGAIAAGTGG-TcTcCAgTGG	+	5	2	3	0.00	1.50
Chr8:42910028-42910050	3	RNA	GGCCGAGGTGCACTACCGGCRNG	ctG-HtGcGACTcTGGCTGG	+	5	2	3	0.00	1.50
Chr2:75928676-75928698	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCAGTGC-CTtAgCAAG	+	5	2	3	0.	

Chr1:101957580-101957602	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCCGAGGgGACaCC-gTGG	-	5	2	3	0.00	1.50
Chr10:5790685-5790700	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCCcCGaGgCGaC-CGAGG	+	5	2	3	0.00	1.50
Chr2:197149932-197149954	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGGACTACCGCTCG	+	4	2	3	0.00	1.50
Chr1:214293557-214293579	5	DNA	GG-CCGAGGTGCACTACCGGCRNG	GGTAcGAGGgCGAgtCCGCAAG	-	5	1	3	0.00	1.50
Chr4:7797161-7797183	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGgAGG-gAGTAACGGCTGG	+	5	2	3	0.00	1.50
Chr3:215419943-215419959	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGAGTCAcCGCAAG	+	5	1	3	0.00	1.50
Chr1:99480813-99480835	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCCGtGtCAtTgCC-CAAG	+	5	2	3	0.00	1.50
Chr5:214299556-214299578	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GaaAGAGGTGtGCT-CCGGAAG	-	5	1	3	0.00	1.50
Chr7:13713100-13713122	5	RNA	GGCCGAGGTGCACTACCGGCRNG	aaCCAGGT-ACcACCaGCCAG	-	5	2	3	0.00	1.50
Chr1:214344093-214344115	5	RNA	GGCCGAGGTGCACTACCGGCRNG	tG-GGcGcCaCaCCcCCAG	+	5	2	0	2.75	1.50
Chr3:150252466-150252488	5	RNA	GGCCGAGGTGCACTACCGGCRNG	tCCGCA-TacCAcCGCCCGG	-	5	2	0	2.75	1.38
Chr8:151972397-151972419	5	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGAGcCGgGgCGGCGGG	-	5	1	0	2.75	1.38
Chr3:102002994-102003016	4	RNA	GGCCGAGGTGCACTACCGGCRNG	g-cAGAGGTCAaCaCgGCGGG	+	5	1	0	2.75	1.38
Chr10:105202045-105202067	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCgCGG-gGcTgCCGCGCG	+	5	2	0	2.75	1.38
Chr1:90735162-90735184	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGAGTCTGc-gCGCGGAG	-	5	1	0	2.75	1.38
Chr8:38653694-38653716	5	RNA	GGCCGAGGTGCACTACCGGCRNG	cCCCGGTGcGc-gCGCAAG	+	4	2	0	2.75	1.38
Chr5:143935928-143935950	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcCaCgCtCGCCAG	+	4	2	0	2.75	1.38
Chr6:124161874-124161896	2	DNA	GCC-CCGAGGTGCACTACCGGCRNG	GtGtGAGGcGAGcTtCCAGAG	+	5	1	0	2.75	1.38
Chr3:209532291-209532313	2	X	GGCCGAGGTGCACTACCGGCRNG	GGCCAGcTCAcTcCtGCTAG	+	5	0	0	2.75	1.38
Chr9:154883847-154883869	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCCGAGGcGgCG-gCGgTGG	-	5	2	0	2.75	1.38
Chr4:243949172-243949194	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCC-GGcCtCaCtGCGCGG	-	5	1	0	2.75	1.38
Chr7:70311146-70311168	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGgGtAaTcACCGCGGAG	+	5	1	0	2.75	1.38
Chr2:286583-286605	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCgagGtGACTc-GGCGAG	-	5	1	0	2.75	1.38
Chr1:179744933-179744955	3	DNA	GGCCGAGGTGCACTACCGGCRNG	cGcCGAGGTGCAcCGGtACCGCGG	-	5	2	0	2.75	1.38
Chr7:9428957-9428989	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGCGAGGcGAGtTcGCTCGTAG	+	5	2	0	2.75	1.38
Chr2:28642775-28642797	2	DNA	G-CCGAGGTGCACTACCGGCRNG	G-CCGAGGTGCACTACCGGCRNG	+	5	2	0	2.75	1.38
Chr5:206571495-206571517	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCCGAGtGc-TtGcCGAGG	-	5	2	0	2.75	1.38
Chr5:108783657-108783679	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGtAHTGCATcT-GCTGG	+	5	2	0	2.75	1.38
Chr7:133960443-133960465	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCGcGgGgCG-gCGCGCG	+	5	2	0	2.75	1.38
Chr7:117839999-117840021	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGgAGAGGtGAGtCaCCGCTAG	+	5	1	0	2.75	1.38
Chr5:182293559-182293581	2	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CAGtCTGCACTCAcCaAGG	+	4	2	0	2.75	1.38
Chr4:78527600-78527622	2	RNA	GGCCGAGGTGCACTACCGGCRNG	cCaGAGTcT-CAcCGCGGAG	+	5	2	0	2.75	1.38
Chr7:111091542-111091564	3	RNA	GGCCGAGGTGCACTACCGGCRNG	aaCCGAGGTGcTcT-CAGGCTGG	+	4	1	0	2.75	1.38
Chr7:88825173-88825195	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGatAGGtCGtTcCC-CTAG	-	5	2	0	2.75	1.38
Chr9:2955821-2955843	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCC-GtAcGAtTcCGCGAGG	+	5	1	0	2.75	1.38
Chr1:15172759-15172781	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGtGACT-CCGtGAG	+	5	1	0	2.75	1.38
Chr4:2035971-2035993	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GCC-gGcCaCCCGCGCGG	+	5	2	0	2.75	1.38
Chr5:6589555-6589577	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTtGcACtCGCAAG	-	5	2	0	2.75	1.38
Chr8:56771348-56771370	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCtAGcGcCGAGTtC-GCCAG	+	5	2	0	2.75	1.38
Chr8:151877558-15187780	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GtGtGAGCGGgGAGcACCGGCTGG	+	5	2	0	2.75	1.38
Chr3:29061998-29062020	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCGAHTTGCATcA-CGCGG	+	5	2	0	2.75	1.38
Chr1:41943708-41943730	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCCAAHTGcTtC-GCCGG	+	5	2	0	2.75	1.38
Chr8:138785201-138785223	2	RNA	GGCCGAGGTGCACTACCGGCRNG	CaCaAGtTcTCAcCaCGGGAAG	+	5	1	0	2.75	1.38
Chr5:20511163-20511185	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGtGAtgGAGcAaCC-CCAG	+	5	2	0	2.75	1.38
Chr6:12954278-12954290	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGAGGcGAG-gAaGgCGAG	+	5	1	0	2.75	1.38
Chr2:2183741875-183741997	2	RNA	GGCCGAGGTGCACTACCGGCRNG	A-CGgTCCAGTCAcTCAcCGG	+	5	2	0	2.75	1.38
Chr6:10913184-10913206	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGcGgGtTcGATCA-GtGtGG	+	5	2	0	2.75	1.38
Chr7:53803649-53803671	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-HtGgGtACtCCGCTGG	+	5	2	0	2.75	1.38
Chr4:127578360-127578382	3	X	GGCCGAGGTGCACTACCGGCRNG	GaaGAGGTGcTAgCGGCTGG	+	5	0	0	2.75	1.38
Chr6:157417855-157417877	4	DNA	G-CCGAGGTGCACTACCGGCRNG	CCCGCGtGtGCTcTcGcGCTGG	+	5	2	0	2.75	1.38
Chr3:43512456-43512478	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GG-GAaGgGcAGcAGCGGCTGG	+	5	2	0	2.75	1.38
Chr2:186668118-186668140	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGGACTACCGCTGG	+	5	2	0	2.75	1.38
Chr1:166206945-166206967	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cAGGgTCCGCaCaCgGCGGG	-	5	1	0	2.75	1.38
Chr1:205588764-205588786	5	RNA	GGCCGAGGTGCACTACCGGCRNG	agCCGAGGtGcGtCGGCTGG	-	5	1	0	2.75	1.38
Chr3:11593458-11593480	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cCCG-GGcGAGtTcCGCGAG	+	5	1	0	2.75	1.38
Chr1:19783666-19783688	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtC-tcTtGACTACCGGCRNG	+	5	1	0	2.75	1.38
Chr6:170578096-170578118	4	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cAGAGTCAcCaCgCGGGG	+	4	1	0	2.75	1.38
Chr1:56665462-56665484	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGc-AGGcCGAGcCaCGCGG	+	5	2	0	2.75	1.38
Chr6:5030952-5030974	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCCGAGGAGcAaAgg-GCCAG	+	5	2	0	2.75	1.38
Chr8:133099564-133099586	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGAtTcTcTcCCAGGCGCGG	+	5	2	0	2.75	1.38
Chr5:24782159-24782181	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGGACTACCGCTGG	+	5	2	0	2.75	1.38
Chr2:152935761-152935783	3	RNA	GGCCGAGGTGCACTACCGGCRNG	agC-AGGcGACTCCGGAAGG	-	5	2	0	2.75	1.38
Chr4:13285912-13285934	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cAGGgTCCGCaCaCgGCGGG	-	5	1	0	2.75	1.38
Chr7:171631366-171631388	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGgAGGTGAT-CCGGAAT	+	5	2	0	2.75	1.38
Chr5:12904522-12904544	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGtGCTCGAGgAaCaC-CGGG	-	5	1	0	2.75	1.38
Chr8:99323920-99323942	4	RNA	GGCCGAGGTGCACTACCGGCRNG	aaCCGAGGAGGtTcAGGtGAGG	+	5	1	0	2.75	1.38
Chr2:44189994-44190016	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGgGtTcGcT-CCGGAAG	+	5	1	0	2.75	1.38
Chr8:101358178-101358200	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcTcAGtGcGAC-CCGtGAG	+	5	1	0	2.75	1.38
Chr6:44061726-44061748	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcG-GAGGTCAcCaCgGgTAG	+	5	1	0	2.75	1.38
Chr8:140926581-140926603	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCaAGAGcA-CTAgGgGgGAG	+	5	2	0	2.75	1.38
Chr1:35686356-35686378	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GCaGAGG-GcCtACCGcCGG	+	4	1	0	2.75	1.38
Chr1:251452902-251452924	2	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGtCG-ACTACCGGCRNG	+	5	1	0	2.75	1.38
Chr5:153755342-153755364	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGtGG-TtGcGAGAG	+	5	2	0	2.75	1.38
Chr4:71622045-71622067	4	RNA	GGCCGAGGTGCACTACCGGCRNG	CaCCGAGG-cAGcAaCaagAGG	-	5	1	0	2.75	1.38
Chr5:14166142-14166164	2	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-AGGTGcGcGAGGAGTAG	+	5	2	0	2.75	1.38
Chr10:129635891-12963603	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGTGCACTACCGGCRNG	+	5	2	0	2.75	1.38
Chr7:26792873-26792895	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGcGAGcAaCaGAGG	+	5	2	0	2.75	1.38
Chr1:138278932-138278954	5	RNA	GGCCGAGGTGCACTACCGGCRNG	cCCCGcTcGcTcACCG-CCGG	+	5	1	0	2.75	1.38
Chr2:22260813-22260835	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGGACTACCGCTGG	+	4	2	0	2.75	1.38
Chr2:182782102-182782124	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGcGAGGcGACT-AGgAGG	+	5	2	0	2.75	1.38
Chr2:149090399-149090421	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGGACTACCGCTGG	+	5	2	0	2.75	1.38
Chr3:810172-810194	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cCtGCA-TCAcTcaGCGCAG	+	5	2	0	2.75	1.38
Chr1:238778460-238778482	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cCaGAGtTcTtATcC-CCAG	-	5	2	0	2.75	1.38
Chr5:174122720-174122742	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGcAGGtGG-TtGcGAGAG	+	5	2	0	2.75	1.38
Chr6:4549881-4549903	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AaAtTCAGcGcCGAGAG	+	5	1	0	2.75	1.38
Chr8:11223615-11223637	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCGAGGAGG-TcGATcCGAG	+	5	2	0	2.75	1.38
Chr2:26206648-26206670	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGcGgGtTcGcT-cCGCCGG	+	5	2	0	2.75	1.38
Chr1:12003580-12003602	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGtCG-GTCAcTcCGGAG	+	5	1	0	2.75	1.38
Chr9:124681722-124681744	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcTcAGGtAgAaG-GGcAG	-	5	2	0	2.75	1.38
Chr4:18429693-18429715	2	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CaAGGTCAaTCAcGAGAG	+	5	1	0	2.75	1.38
Chr1:254308288-254308300	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCtCaGcG-TtCCGCGG	+	5	2	0	2.75	1.38
Chr6:171867766-171867788	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GaC-AGGTGcAGgAaCgCGAG	+	5	1	0	2.75	1.38
Chr2:51291025-51291047	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cAGGgTCCGCaCaCgGCGGG	-	5	1	0	2.75	1.38
Chr1:173336304-173336326	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GgCgGAGGcCGAg-GCGAG	+	5	2	0	2.75	1.38
Chr8:169979790-169979792	4	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCt-GGtGgGAGcCGAGAG	+	5	1	0	2.75	1.38
Chr1:234197394-234197416	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-cAGGgTCCGCaCaCgGCGGG	-	5	1	0	2.75	1.38
Chr4:164613100-164613122	2	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCtGc-gAItaCCCGCAGG	+	5	2	0	2.75	1.38
Chr2:64910493-64910515	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCC-GTcGtCAcGCGGGG	+	5	1	0	2.75	1.38
Chr10:114264179-114264201	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGGACTACCGCTGG	+	4	2	0	2.75	1.38
Chr10:65497996-65498018	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTtGcACCGcAAG	+	5	2	0	2.75	1.38
Chr3:80245059-80245081	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tCCAGGTc-ACTAaGtCAG	-	5	1	0	2.75	1.38
Chr4:142823194-142823216	2	RNA	GGCCGAGGTGCACTACCGGCRNG	cG-AGGtTCCAGcAGcCGGG	+	5	2	0	2.75	1.38
Chr1:182443334-182443356	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-CGAGGcGAGaAGcGAGAG						

Chr10:75795316-75795338	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGAGccGAC-CCGCAAG	+	5	2	0	2.75	1.38
Chr5:133413000-133413022	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtgGAGGcGCACTAACC-CCGG	-	5	2	0	2.75	1.38
Chr4:243565738-243565760	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGCCGAGGTCGACTC-GGCGAG	-	5	1	0	2.75	1.38
Chr8:38783048-38783070	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtgCGAHC-CGcTgCCGCGCGG	+	5	1	0	2.75	1.38
Chr9:133812211-133812233	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-aCGcGGTCGCAaCaGpGCGGG	+	5	1	0	2.75	1.38
Chr2:16595188-16595210	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGcCAAGG-GACTAAGcTCTGG	+	5	2	0	2.75	1.38
Chr7:64593047-64593069	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GCcCAAGccGCACTC-CCGAG	+	5	2	0	2.75	1.38
Chr2:50610977-50610999	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCGCGAGGTC-TagcCcCGGG	+	4	2	0	2.75	1.38
Chr5:171048843-171048865	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGcAGG-GACTCAgTCTGG	-	5	2	0	2.75	1.38
Chr3:129227775-129227797	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GAaCGAG-CGaATCaGgTAG	-	5	2	0	2.75	1.38
Chr1:245550493-245550515	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGC-AGGcCAAGcCCGCGGG	+	5	2	0	2.75	1.38
Chr2:45460337-45460359	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGcGAGGc-CgAaGgGCGAG	+	5	2	0	2.75	1.38
Chr5:222727445-222727467	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGcAGcGGTCGAC-gcGgCGCG	+	5	1	0	2.75	1.38
Chr4:188318694-188318716	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-aCGcGGTCGCAaCaGpGCGGG	-	5	1	0	2.75	1.38
Chr3:201853421-201853443	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	aGCCcGTCGACT-CCGCTGG	-	5	2	0	2.75	1.38
Chr8:78781894-78781916	4	X	GGCCGAGGTCGACTACCGGCGNRG	GGAaGAGGTGcCTAGcGCTGG	+	5	0	1	1.65	1.33
Chr5:28634198-28634220	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGcCGcGTCAGcCT-CCGCGAG	-	5	1	1	1.65	1.33
Chr3:198373903-198373925	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-aCGcGGcAGGcGcACCGCGGG	+	5	1	1	1.65	1.33
Chr3:211808730-211808752	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	tGcCGAGTCa-1ACCGCGGG	+	4	2	1	1.65	1.33
Chr1:122460244-122460266	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GAaCAAGGAAcCT-CCGCGAG	-	5	1	2	0.55	1.28
Chr6:20347024-20347046	3	DNA	GGC-CGAGGTCGACTACCGGCGNRG	GcCTCGGAGGTCCTCCGCTGG	+	5	1	2	0.55	1.28
Chr5:11477335-11477357	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-aCGcGGTCGACpGcGCGGG	+	5	1	2	0.55	1.28
Chr1:91102570-91102592	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGCCGAGGTCGACT-CCGCGGG	-	5	2	0	2.20	1.10
Chr4:40308772-40308794	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGcGAAGGTCGACT-CCGCGGG	-	5	2	0	2.20	1.10
Chr1:141832898-141832920	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCCCGAGT-CTTCCGCTGG	+	5	2	0	2.20	1.10
Chr10:25201954-25201976	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-aCGcGGTCGCAaCaGpGCGGG	+	5	1	0	2.20	1.10
Chr7:70569246-70569268	3	DNA	GGC-CGAGGTCGACTACCGGCGNRG	GGcCTCGGAGGTCaCaCGCGCGGG	-	5	2	0	2.20	1.10
Chr5:21690342-21690364	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGcCG-AGcCaCTCCGCGGG	-	5	1	0	2.20	1.10
Chr5:84347854-84347876	3	X	GGCCGAGGTCGACTACCGGCGNRG	GGAaGAGTCGcGcAGCGGAGG	-	5	0	0	2.20	1.10
Chr1:11548034-11548056	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGcGAGG-GcTACCGCGGG	+	4	1	0	2.20	1.10
Chr7:48721400-48721422	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	cG-GAGGgAaTACcCGCTGG	+	5	2	0	2.20	1.10
Chr8:23077540-23077562	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGAaGATcTG-1AgaAGCGAG	-	5	2	0	2.20	1.10
Chr7:114036794-114036816	3	DNA	GGC-CGAGGTCGACTACCGGCGNRG	GcCGAGGAGGTCCTCCGCTGG	+	4	1	0	2.20	1.10
Chr3:20538837-20538859	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCCG-GTgCAaCCGGAAG	-	5	2	0	2.20	1.10
Chr4:202411281-202411303	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCCG-GTgCAaCCGGAAG	+	5	2	0	2.20	1.10
Chr8:80753863-80753885	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcC-aGCGcGACTCCGCGGG	+	4	2	0	2.20	1.10
Chr5:203358148-203358170	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGAaGAGTCG-TCaCGATGG	-	5	2	0	2.20	1.10
Chr7:103576040-103576062	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	aGcAGGTCCTT-CCGCGAG	-	4	2	0	2.20	1.10
Chr6:139959918-139959940	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGC-tcGcGACTCCGCTGG	+	5	2	0	2.20	1.10
Chr7:62338175-62338197	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGAGGATGAcCa-CCGG	+	5	2	0	2.20	1.10
Chr1:121232818-121232840	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCGAG-CCaTgGCGCGGG	-	5	2	0	2.20	1.10
Chr5:153362641-153362663	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCGAGGAGa-CAaAGcGCGAG	+	5	2	0	2.20	1.10
Chr2:10589567-10589589	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	cGgGAGGAGa-CAaCGcGCGGG	+	5	2	0	2.20	1.10
Chr3:181915416-181915438	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGC-tcGcGACTCCGCGGG	-	4	2	0	2.20	1.10
Chr8:160902460-160902482	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGAGGTCGcGpAGcGCGGG	-	5	1	0	2.20	1.10
Chr2:82786509-82786531	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGAGGTCGAGaAGGAGGAG	+	5	2	0	2.20	1.10
Chr10:60737498-60737520	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	caCCAGG-GAATCAcGCAAG	+	5	2	0	2.20	1.10
Chr4:83929226-83929248	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	HTCCGAGTCCGcCgC-CCGG	-	4	2	0	2.20	1.10
Chr1:15964999-15965021	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCAaGAG-GcGgAGCGAAG	-	5	1	0	2.20	1.10
Chr4:45643856-45643878	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcGcGAGGcGCA-AGcGgCGGG	+	4	2	0	2.20	1.10
Chr3:23439613-23439635	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCCG-GTgCAaCCGGAAG	-	5	2	0	2.20	1.10
Chr2:146215252-146215274	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GAaCCAGTCaCaCCG-CCAG	-	5	1	0	2.20	1.10
Chr2:15178958-15178980	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-CCGcGGTCGcCTcGgGAGG	+	5	1	0	2.20	1.10
Chr2:53620626-53620648	4	DNA	GGCCGA-GGTGACTACCGGCGNRG	GgCGAGGTCGcCTcGgGAGG	-	5	1	0	2.20	1.10
Chr2:10155183-10155205	2	DNA	GGCCGAGGTCGACTACCGGCGNRG	GGcCGAGTCGcCTcGgGAGG	-	5	2	0	2.20	1.10
Chr2:2162836192-216283624	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGC-aGCGcGACTCCGCGGG	+	4	2	0	2.20	1.10
Chr1:196702091-196702113	6	DNA	GGC-CGAGGTCGACTACCGGCGNRG	cGcCAAGGTCGcCTcCaGcCAGG	-	5	2	0	2.20	1.10
Chr3:206541231-206541253	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGC-tcGcGACTCCGCGGG	-	5	2	0	2.20	1.10
Chr6:17339644-17339666	2	DNA	GGCCGAGGTCGACTACCGGCGNRG	HTCCGAAGTCGACCGTCGcGgGAG	-	5	2	0	2.20	1.10
Chr1:116457339-116457361	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCAaGcATgCT-CCGCGGG	-	5	2	0	2.20	1.10
Chr10:110164474-110164496	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGCCAGGTCGAGgAG-ATGG	-	5	2	0	2.20	1.10
Chr5:98942464-98942486	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGAGGAGGcGT-CAaGAGG	-	5	2	0	2.20	1.10
Chr8:64697155-64697177	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGcCGGTCGcCT-CCGGAAG	-	5	1	0	2.20	1.10
Chr9:70823798-70823820	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCAaHG-CGcCAaCCGCGAAG	+	5	1	0	2.20	1.10
Chr6:42712995-42713017	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCCGAGaccCTA-GCCAG	-	5	2	0	2.20	1.10
Chr4:16863378-16863394	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGAGGTCGAGaAGGAGGAG	+	5	2	0	2.20	1.10
Chr2:166306364-166306386	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGcGcGTCGCACTc-CAaGAG	+	5	1	0	2.20	1.10
Chr4:36465107-36465129	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCCGcGcT-GA1TCAAGGAG	+	5	1	0	2.20	1.10
Chr3:19013786-19013808	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGC-GGcCATcCGCGGG	+	5	2	0	2.20	1.10
Chr8:17355957-17355979	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	aGCCAGGAGGTC-CCGcAG	+	5	2	0	2.20	1.10
Chr8:40897227-40897249	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	cGCCAGATCG-1AgCGGGG	+	5	2	0	2.20	1.10
Chr9:68573271-68573293	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGAaCGAGTCG-TCaGATGG	+	5	2	0	2.20	1.10
Chr2:3354111-3354133	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	cGCCAGGgGAGaAGC-GCTGG	+	5	2	0	2.20	1.10
Chr3:182620682-182620704	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGC-tcGcGACTCCGCGGG	+	4	2	0	2.20	1.10
Chr1:13638939-13638961	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCCcGATcACT-CCGCGAG	-	5	2	0	2.20	1.10
Chr6:13318535-13318557	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGCCGAGGTCGACTACCGGCGNRG	+	5	1	0	2.20	1.10
Chr7:7752969-7752991	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcGcAGcCTcACT-CAaCGAG	+	5	1	0	2.20	1.10
Chr6:78565157-78565179	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtGHAAGT-1AaTACGCTGG	+	5	2	0	2.20	1.10
Chr2:140635144-140635166	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGAaCAaGcGACTA-tGATAG	+	5	2	0	2.20	1.10
Chr2:68204360-68204382	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GAaCGAGGAGcGcCT-cGgGATGG	+	5	1	0	2.20	1.10
Chr9:134814353-134814375	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtGtGgGTCGcCT-CCGgGAG	+	5	2	0	2.20	1.10
Chr7:90520160-90520182	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	accCGAGTCGAATAC-CCGG	+	5	2	0	2.20	1.10
Chr10:9015298-90152620	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGgAGAGcGA-AGcGGCGGG	-	5	2	0	2.20	1.10
Chr2:224205374-224205396	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGcG-GGcCAaCCcCGCGAG	+	5	1	0	2.20	1.10
Chr2:169614276-169614298	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-aCGcGGTCGCAaCaGpGCGGG	+	5	1	0	2.20	1.10
Chr4:5975451-5975473	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-aCGcGGTCGCAaCaGpGCGGG	+	5	1	0	2.20	1.10
Chr8:36653470-36653492	3	DNA	GGC-CGAGGTCGACTACCGGCGNRG	GtCCGAGGTCGCTcCaGCTGG	-	5	1	0	2.20	1.10
Chr1:118844117-118844139	3	DNA	GGCCGAGGTCGACTACCGGCGNRG	GtGAGAGGTCGACTAGcCGGG	+	5	1	0	2.20	1.10
Chr2:84659413-84659435	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGGAGGcGA-AggGgGAG	+	5	2	0	2.20	1.10
Chr6:71113471-71113493	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGCCAGaTgGA-1AcTGAAG	+	5	2	0	2.20	1.10
Chr4:38243720-38243742	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGAaCAAGTCG-TCaGATGG	+	5	2	0	2.20	1.10
Chr1:121532612-121532634	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtCCAGGTCGAaCaCC-HGGI	-	5	2	0	2.20	1.10
Chr9:81920425-81920447	2	RNA	GGCCGAGGTCGACTACCGGCGNRG	GtGtGTCGACTAC-GGGCAG	+	5	1	0	2.20	1.10
Chr4:183774110-183774132	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGCCGA-TAgcCgCgCCCGG	+	5	2	0	2.20	1.10
Chr7:15634200-15634222	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGAaCAaGcGACTAC-gATAG	-	4	2	0	2.20	1.10
Chr1:42844399-42844411	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	G-aCGAGGTCGAGaAGpGCGGG	+	4	1	0	2.20	1.10
Chr5:50647306-50647328	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GGAaCAAGGgG-cAaCGCGAAG	+	5	2	0	2.20	1.10
Chr4:219504700-219504722	4	RNA	GGCCGAGGTCGACTACCGGCGNRG	taCCG-GTCAaCaCaGcCAGG	-	4	2	0	2.20	1.10
Chr9:138160150-138160172	5	RNA	GGCCGAGGTCGACTACCGGCGNRG	GAGGA-1TgACTAGCTGG	+	4	2	0	2.20	1.10
Chr2:18023142-18023164	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GcCGcGTCGAcCTc-CCAG	+	5	2	0	2.20	1.10
Chr2:4196458-4196480	3	RNA	GGCCGAGGTCGACTACCGGCGNRG	GgGcGcGTCGACGgGc-gaCGG	+	5	2	0	2.20	1.10
Chr7:111740143-111740165	2	DNA	GGCCGAGGTCGACTACCGGCGNRG	GtGCAAGTCGAGTCgAGcCCCGG	+	5	2	0	2.20	1.10
Chr6:5126873-5126895										



Chr2:1074862-1074884	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGCGGcCtCGGCAAG	+	5	1	2	0.00	1.00	
Chr8:13708258-13708280	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGCGGAgT-CGAGGG	+	5	2	2	0.00	1.00	
Chr1:127278942-127278964	127278949	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGCGG-THCGCCGG	-	5	2	0.00	1.00	
Chr7:182137973-182137995	182137980	5	X	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGCGGACTCaGcCTGG	-	5	0	0.00	1.00	
Chr7:138466026-138466048	138466043	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-tCCGGTCCGACaCgGCGGG	+	5	1	2	0.00	1.00
Chr1:23314265-23314267	23314266	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcGgGAGGCGA-CGAGCG	-	5	2	0.00	1.00	
Chr5:21058460-21058482	21058467	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGCGACTAGgGCTGG	-	5	1	2	0.00	1.00
Chr5:150123206-150123228	150123213	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGctGCTA-CGgAGG	-	5	2	0.00	1.00	
Chr3:93193878-93193900	93193885	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGCaCaCCaC-ATGG	-	5	2	0.00	1.00	
Chr2:189372054-189372076	189372071	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCATgttggCTAC-CGGAGG	+	5	1	2	0.00	1.00
Chr2:153252942-153252964	153252959	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCaGAGGTGGa-GcCGGAGG	+	5	1	2	0.00	1.00
Chr2:42268940-42268962	42268957	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCAGAGGTGG-THCGGcaAG	+	5	2	0.00	1.00	
Chr1:10436165-10436187	10436172	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	g-cAGGGTCCGCaCaCgGCGGG	-	5	1	2	0.00	1.00
Chr7:135871758-135871780	135871765	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	gctCGA-TCACCTACCGCGGG	-	4	1	2	0.00	1.00
Chr5:195365636-195365658	195365643	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCaRGGTGAGCaBgG-GGCTGG	-	5	1	2	0.00	1.00
Chr3:196723239-196723251	196723236	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGTTCGA-ACgtGAGAG	-	5	2	0.00	1.00	
Chr5:189152310-189152332	189152317	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGgGCaCaC-CGGCGG	-	4	2	0.00	1.00	
Chr1:75649191-75649213	75649198	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCAGAGTGCtTcGtGgTGG	-	5	2	0.00	1.00	
Chr7:115060114-115060136	115060131	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgaGAGTGTGA-CCGGCGAG	+	5	2	0.00	1.00	
Chr7:9117462-9117484	9117469	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcG-cGAGCaCaCgC-CGGCGG	-	5	1	2	0.00	1.00
Chr1:79935085-79935107	79935092	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgaCaAGTGGG-TcCaGtTGG	-	5	2	0.00	1.00	
Chr7:158525418-158525440	158525435	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	CaCG-cCaACTCtGGCGGG	+	5	2	0.00	1.00	
Chr1:174887175-174887197	174887192	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	aaG-GAGGTCCaCaCgGAGCG	+	5	2	0.00	1.00	
Chr8:19981006-19981028	19981023	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgG-1AGGCGAgCaCGCGCGG	+	5	2	0.00	1.00	
Chr5:78952372-78952394	78952389	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgGcG-GGcCaGctTCGGCGGG	+	5	1	2	0.00	1.00
Chr1:2515702-2515704	25157029	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	IGCCGCa-TaGAGGTCGGCGGG	-	5	2	0.00	1.00	
Chr5:5491921-5491943	5491926	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcAGCGGgG-CGAGCaCaAGG	-	5	1	2	0.00	1.00
Chr1:227453116-227453138	227453133	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCTc-TCGHTcTcGGCCAG	+	5	2	0.00	1.00	
Chr6:138003392-138003414	138003409	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCc-gCaACTCtGGCGAG	+	5	2	0.00	1.00	
Chr6:125785691-125785713	125785708	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCC-ATGTCtCaAGCGCGG	+	4	1	2	0.00	1.00
Chr7:123720490-123720512	123720507	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCtGGGTCCAGCa-GGGCGG	+	5	1	2	0.00	1.00
Chr5:204222342-204222364	204222349	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCcGG-GaTaACCGCGAG	-	5	2	0.00	1.00	
Chr1:58198497-58198519	58198504	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGcAGGTGGcGcAGCAATCGAG	-	5	2	0.00	1.00	
Chr3:125996440-125996462	125996457	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCaAGGTGG-TcCaGtTGG	+	5	2	0.00	1.00	
Chr1:24117810-24117832	24117817	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCa-THAgctCGGCGG	-	5	2	0.00	1.00	
Chr4:22179363-22179374	22179370	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCGGAGTTCGaCaAGGtTGG	-	5	2	0.00	1.00	
Chr4:234088684-234088706	234088701	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	cCGCaACTGCTGG-CcCGAGG	-	4	2	0.00	1.00	
Chr10:6006147-6006169	6006154	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GagGTGGcCGAAT-CGGCGAG	-	5	2	0.00	1.00	
Chr4:233088295-233088317	233088302	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	a-CCGGGTCCGCaCaCccCGGG	-	4	1	2	0.00	1.00
Chr2:161210380-161210402	161210397	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	T-CAGAGCaACTCtGGCGTGG	+	5	2	0.00	1.00	
Chr10:119832362-119832384	119832379	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCtGcGGTGCAT-CCGCGGG	+	5	1	2	0.00	1.00
Chr10:39633642-39633664	39633659	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	caaCG-GTCCACTCaCGGGG	-	5	2	0.00	1.00	
Chr10:120975499-120975521	120975506	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCcGG-GaTaACCGCGAG	-	5	2	0.00	1.00	
Chr5:13762765-13762787	13762772	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGTcAGGTTCGgTcGgAGCCCGG	-	5	2	0.00	1.00	
Chr2:213131578-213131600	213131585	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGGcGgGACT-CGCAAG	+	4	2	0.00	1.00	
Chr10:15008749-15008761	15008756	3	DNA	GGCCGAGGTGCACTACCGGCGNRG	GaGtGGGTGGGACT-TCGAGG	+	5	2	0.00	1.00	
Chr7:157084213-157084235	157084230	3	DNA	GGC-CGAAGTGCCTACCGGCGNRG	GGCTCCtGGGCaCaCGCGCGGG	+	5	2	0.00	1.00	
Chr9:129870864-129870886	129870881	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-AGGcTGCACaAgGcCAAG	+	5	2	0.00	1.00	
Chr1:248328296-248328318	248328303	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcGtAGGgGtGcCTC-GGGCAGG	-	5	1	2	0.00	1.00
Chr1:217174659-217174681	217174676	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtGtAATcCTC-ATCCCGCTGG	+	4	1	2	0.00	1.00
Chr3:146234967-146234989	146234984	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	caCaAGTGCCT-CCGCGAG	+	5	1	2	0.00	1.00
Chr5:20792377-20792399	20792394	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	cg-GAGTTCGCaACCGGAGG	+	4	2	0.00	1.00	
Chr10:129515239-129515261	129515246	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgCGAG-CcAaAGCGGAG	-	5	2	0.00	1.00	
Chr4:134692008-134692030	134692015	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	aGggGAGTGCAT-GGCTAG	-	5	2	0.00	1.00	
Chr3:231653432-231653454	231653439	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCgAGGcGCAC-CGGTAAG	-	5	2	0.00	1.00	
Chr5:139056990-139056992	139056997	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaCgGgG-TGCaCaAGGtTGG	-	4	2	0.00	1.00	
Chr2:36345316-36345338	36345323	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	TCGGAGGCTGG-TCGtGAGT	-	4	2	0.00	1.00	
Chr6:159092141-159092163	159092148	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGcGACGGTCCgCaCGGCGAG	-	5	1	2	0.00	1.00
Chr6:48756286-48756308	48756303	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cAGGGTCCGCaCaAgGCGGG	+	5	1	2	0.00	1.00
Chr1:203648489-203648511	203648496	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCC-GGTGtCCaACTGGCGGG	-	3	1	2	0.00	1.00
Chr6:67437711-67437733	67437718	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GG-aaAGTGCATGtCCAAAG	-	5	2	0.00	1.00	
Chr3:120021351-120021373	120021358	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCC-gTGCAGCCGaTGG	-	5	2	0.00	1.00	
Chr8:135492607-135492629	135492624	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCaAGGc-CtGgTGGAG	+	5	2	0.00	1.00	
Chr6:70495846-70495868	70495863	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGCGCa-ActGcTGG	-	5	2	0.00	1.00	
Chr7:7638660-7638682	7638677	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGTGTGAGTACT-CGAG	+	5	2	0.00	1.00	
Chr1:30120640-30120662	30120647	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtGtGGGTGGGACT-TCGAGG	+	5	2	0.00	1.00	
Chr10:130123197-130123219	130123214	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GcCgGtG-CcCaACTCCGAGG	-	5	2	0.00	1.00	
Chr9:119632212-119632234	119632229	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGcG-GGcGCaCtCCGGCGGG	+	4	1	2	0.00	1.00
Chr7:16908060-16908082	16908077	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	G-cAGGGTCCGCaCaAgGCGGG	+	5	1	2	0.00	1.00
Chr5:158274315-158274337	158274322	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	ccCGGgGTTCGA-AAcCGCGAG	-	5	2	0.00	1.00	
Chr8:164180904-164180926	164180921	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	actCCATGCGA-ACgGGCAAG	+	5	2	0.00	1.00	
Chr5:12129976-12129998	12129983	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	T-CGAGTCCGCaAGCGCGGG	-	5	2	0.00	1.00	
Chr1:27877816-27877838	27877833	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	a-CGGGTTCCGCaCaCgGCGGG	+	5	2	0.00	1.00	
Chr7:148639167-148639189	148639184	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGC-tGcGACTCCGCTGG	+	5	2	0.00	1.00	
Chr8:26367980-26368002	26367997	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	tCCCAHTGCAATA-IGTCTG	+	5	2	0.00	1.00	
Chr8:15381925-15381947	15381932	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGGgGtGgTg-GGCGAGG	+	5	2	0.00	1.00	
Chr1:102734820-102734842	102734827	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCc-gTGCAGCCGCaAG	+	5	2	0.00	1.00	
Chr9:14878260-14878282	14878267	5	DNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGgGTGAGCaACTCCTGG	-	5	1	2	0.00	1.00
Chr9:136164941-136164963	136164948	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCaTG-GcCgTCCGGCGG	-	5	1	2	0.00	1.00
Chr6:46578926-46578948	46578933	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	tGGTAGGTGtCaA-GGGCAGG	-	5	2	0.00	1.00	
Chr2:166012334-166012356	166012351	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GG-aaAGgTaTAgGGCAGG	+	5	2	0.00	1.00	
Chr2:61178642-61178664	61178649	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	acCCGgGCaCGaG-CcCaGAG	-	5	2	0.00	1.00	
Chr6:156689741-156689763	156689748	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCc-gTGGAGTCCGCTGG	-	5	2	0.00	1.00	
Chr6:157449386-157449408	157449393	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCC-GGTCCGCaCCGGCGGG	-	5	2	0.00	1.00	
Chr2:119055300-119055322	119055307	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GtCCAGTGTGAGTACT-CGAG	+	4	2	0.00	1.00	
Chr7:2319479-2319481	2319479	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGAGGgGACT-TCGAGG	-	5	2	0.00	1.00	
Chr1:21128712-21128734	21128719	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCc-gTGCAGCCGCGGG	-	4	1	2	0.00	1.00
Chr4:65547281-65547303	65547288	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGaCaACTGG-TcCaGtTGG	-	5	2	0.00	1.00	
Chr8:120328231-120328253	120328248	3	DNA	G-GCCGAGGTGCACTACCGGCGNRG	GGCCGgGTGCATCCCGCGGG	-	5	2	0.00	1.00	
Chr8:174202228-174202050	174202045	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCCGgAGc-CtAACCcAG	+	5	2	0.00	1.00	
Chr2:103165038-103165060	103165045	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GgAGGAGTGG-TAGaGGCTAG	-	5	2	0.00	1.00	
Chr2:104196829-104196851	104196846	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGaCaAGGgCaCaCa-CGCTAG	+	5	2	0.00	1.00	
Chr9:138983243-138983265	138983250	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GCaCaAGGcCTC-CCGCTGG	-	5	1	2	0.00	1.00
Chr1:148312942-148312964	148312959	3	RNA	GGCCGAGGTGCACTACCGGCGNRG	GGCaAGG-gGCTCtGcGCGG	+	5	2	0.00	1.00	
Chr7:17801759-17801781	17801766	5	RNA	GGCCGAGGTGCACTACCGGCGNRG	GaTCAGCaCG-TACCaCTGG	-	5	2	0.00	1.00	
Chr1:146949056-146949078	1469490										

Chr10:129019630-129019652	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCggGGTCCaCaCgagCGGG	+	5	1	2	0.00	1.00
Chr10:12327514-12327536	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GCCCGAGGTAGCaAa-GtaGAG	+	5	1	2	0.00	1.00
Chr10:57278910-57278932	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGCGGCa-AggGGCCGG	-	5	2	2	0.00	1.00
Chr2:160691875-160691897	3	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-GgGATCGACTCCGCGGG	+	5	2	2	0.00	1.00
Chr4:139741790-139741812	3	RNA	GGCCGAGGTGCACTACCGGCRNG	aGacGAGCTCGACTCCGRTGG	+	5	1	2	0.00	1.00
Chr1:141335412-141335434	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGG-GAagGCGCGAG	+	5	2	2	0.00	1.00
Chr5:19999870-19999892	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCgGCTGCGACaCgagCGGG	+	5	1	2	0.00	1.00
Chr5:154323098-154323120	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-HGcGACTACAgGCTGG	-	5	2	2	0.00	1.00
Chr2:115844734-115844756	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGGcGg-gACCCCGGG	-	5	2	2	0.00	1.00
Chr4:165533463-165533485	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGG-gGcagCCGCGGG	-	4	2	2	0.00	1.00
Chr2:4533383-4533405	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCAGGTCGACaCgagCGGG	+	4	1	2	0.00	1.00
Chr1:265313976-265313998	3	RNA	GGCCGAGGTGCACTACCGGCRNG	aCCCGAGTCACTAC-GgaAG	+	4	1	2	0.00	1.00
Chr9:26400028-26400050	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTgCaCCGGAATAG	+	5	2	2	0.00	1.00
Chr7:8485288-84852510	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGAGGcG-GTgCGCAGG	+	5	2	2	0.00	1.00
Chr10:9400556-94005578	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCgAGGTgGACTA-GTCAAG	+	5	2	2	0.00	1.00
Chr10:6150444-6150466	5	RNA	GGCCGAGGTGCACTACCGGCRNG	ttCCAGGTG-GaAGCGCCAG	+	5	2	2	0.00	1.00
Chr1:117161254-117161276	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GCCCGGcGg-cCaCAGcCGGAAG	-	5	2	2	0.00	1.00
Chr2:86752278-86752300	3	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-gGcGTGgAGCCGCGAG	+	5	2	2	0.00	1.00
Chr1:229450438-229450460	3	DNA	GGCCGAGGT-GCACTACCGGCRNG	GgaCAGGTTCCGACaAagGGCGGG	+	4	2	2	0.00	1.00
Chr3:93391071-93391093	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCa-GGTCCAGcCaAGCGGG	+	5	1	2	0.00	1.00
Chr2:138645561-138645583	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGgG-gGgGgCCGCGAG	+	5	2	2	0.00	1.00
Chr2:101562640-101562662	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GCC-AGaGTgGCTACtGgAGG	+	5	1	2	0.00	1.00
Chr8:15152296-15152318	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGaCaAGTGG-GTcCaGtTgG	-	5	2	2	0.00	1.00
Chr3:178007838-178007860	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GCC-GAGCaGtagACCGCGGAG	+	5	2	2	0.00	1.00
Chr5:204965973-204965995	3	RNA	GGCCGAGGTGCACTACCGGCRNG	c-CAGAtaGACTAaCGAGT	+	5	1	2	0.00	1.00
Chr2:25898957-25898979	5	RNA	GGCCGAGGTGCACTACCGGCRNG	aGCGAGGcGACTCCAGCGGG	+	5	1	2	0.00	1.00
Chr9:142788515-142788537	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GG-GAGATCGACTCCGCGGG	-	5	2	2	0.00	1.00
Chr5:4062455-4062477	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcGcTA-TTgCTTcCGCGGG	-	5	2	2	0.00	1.00
Chr1:5883919-5883941	5	DNA	GGCCGAGG-TGCACTACCGGCRNG	ccCGCAGACTCCGCTgGCTAG	-	5	1	2	0.00	1.00
Chr2:14263116-14263138	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtGcAAGTCC-GTgCaGcAGG	+	5	1	2	0.00	1.00
Chr5:199934854-199934876	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTgCaCCGCGAG	-	5	2	2	0.00	1.00
Chr1:197047925-197047947	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCAGCaGcAGCaACTCGAG	+	5	1	2	0.00	1.00
Chr1:32192321-32192343	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCCGgGgGgA-aCCGCGCGG	+	5	2	2	0.00	1.00
Chr5:93937940-93937962	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGtGgAGGcGACTA-GCCGG	-	4	2	2	0.00	1.00
Chr6:107757665-107757687	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCCAAGTCGCA-AahtGCTAG	+	5	2	2	0.00	1.00
Chr1:112271048-112271070	3	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-GAGGCaGAGaAGCGAGG	+	5	2	2	0.00	1.00
Chr2:127387923-127387945	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGgGTGcGCTCCGAGAG	+	5	1	2	0.00	1.00
Chr9:7940908-7940930	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcGAGcTGA-AcGgGCTAG	+	3	2	2	0.00	1.00
Chr1:38747461-38747483	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGGTGcAGTAg-GgGcCAG	-	4	1	2	0.00	1.00
Chr9:152449405-152449427	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGG-gAGcAGTcCGGG	+	5	2	2	0.00	1.00
Chr1:22495432-22495454	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCAGGcGCaCaCCc-gTGG	+	5	2	2	0.00	1.00
Chr6:54009023-54009045	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGgGtGGA-TcTcCGCGAG	+	5	1	2	0.00	1.00
Chr7:137588483-137588505	5	DNA	GGC-CGAGGTGCACTACCGGCRNG	GGCACCGTCCGATgAGCGCTGG	-	5	2	2	0.00	1.00
Chr2:124122825-124122847	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgT-GAGGTGcAGCaCatGatAG	+	5	1	2	0.00	1.00
Chr2:183194446-183194468	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cCCCGAGTcGcGACT-cTgCScCAAG	+	5	2	2	0.00	1.00
Chr5:1351317-1351339	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCgGcTCCGACTCCAGCGGG	+	5	1	2	0.00	1.00
Chr4:208437914-208437936	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GahtAGGAGcAGT-CGCaGcG	+	5	2	2	0.00	1.00
Chr3:232570199-232570221	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GaA-GAGGAGcAGCaAGCGCTGG	+	5	1	2	0.00	1.00
Chr4:173354999-173355021	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTgCaCCGCGAG	+	5	2	2	0.00	1.00
Chr5:2760202-2760224	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGAGc-CcACcCGCGG	-	5	2	2	0.00	1.00
Chr3:214825383-214825405	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gGTgCaCTcCCcAGG	+	5	1	2	0.00	1.00
Chr9:77697514-77697536	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGc-AGGcCGAGCaCCGCGGG	+	4	1	2	0.00	1.00
Chr8:95710211-95710233	5	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCgGgGTGCaCaCgagCGGG	+	5	1	2	0.00	1.00
Chr10:120745055-120745077	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AgacCTcACTCCGCGGG	-	5	2	2	0.00	1.00
Chr9:53478402-53478424	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCGAG-gACTcAGCGGG	-	5	2	2	0.00	1.00
Chr1:86156470-86156492	5	RNA	GGCCGAGGTGCACTACCGGCRNG	Gg-GAGGCGGcAGCaAGCGAGG	+	5	2	2	0.00	1.00
Chr7:159062223-15906245	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cCCCaACTcAAC-CCGCGGG	+	5	2	2	0.00	1.00
Chr7:72618723-72618745	5	DNA	GGC-GAGGTGCACTACCGGCRNG	GcTCCGAGGcGtCTCCGCGTGG	-	4	1	2	0.00	1.00
Chr1:306256510-306256532	5	DNA	GGCCGAGG-TGCACTACCGGCRNG	GGcGcAaGTGCACTAcAtgTGG	-	5	1	2	0.00	1.00
Chr3:195835568-195835590	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAaAGTCC-GTgCGCGAG	+	5	2	2	0.00	1.00
Chr7:181053709-181053731	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgaGAGGTGCGAGcAG-CgagCGG	+	5	1	2	0.00	1.00
Chr1:200694720-200694742	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-GaaAGaTCCGGAAG	+	5	2	2	0.00	1.00
Chr1:10504032-10504054	3	X	GGCCGAGGTGCACTACCGGCRNG	GGCCCaGATCCcTtGGCGCGGG	+	5	0	2	0.00	1.00
Chr5:17202656-17202678	5	RNA	GGCCGAGGTGCACTACCGGCRNG	caCAAGTCCGCT-CCGCGAG	-	5	1	2	0.00	1.00
Chr2:64885770-64885792	5	RNA	GGCCGAGGTGCACTACCGGCRNG	cCCCGAGT-GAcGcCGCGAG	+	5	1	2	0.00	1.00
Chr7:68052428-68052450	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCGAGGcGCaCaCTCCGCGGG	+	5	2	2	0.00	1.00
Chr1:266544125-266544147	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcC-aAGGTGcCaACTCCGCTGG	-	4	1	2	0.00	1.00
Chr4:228259976-228259998	3	RNA	GGCCGAGGTGCACTACCGGCRNG	ttGcGAGGTGcAGgACC-THG	+	5	2	2	0.00	1.00
Chr8:106375413-106375435	3	RNA	GGCCGAGGTGCACTACCGGCRNG	c-CGcGcGcAaAcCCGCGAG	+	5	2	2	0.00	1.00
Chr1:151542562-151542584	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCTc-GcCaACTCCGCGAG	+	5	2	2	0.00	1.00
Chr2:17800002-17800024	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTgCaCCGCGAG	-	5	2	2	0.00	1.00
Chr5:93820288-93820310	3	DNA	G-GCCGAGGTGCACTACCGGCRNG	GTAGCCAGGTCGACcCaGgCGAG	+	4	2	2	0.00	1.00
Chr8:146627299-146627321	5	DNA	GGC-CGAGGTGCACTACCGGCRNG	cGCTCCGgGATGtCTCCGCTGG	-	5	2	2	0.00	1.00
Chr4:228197456-228197478	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCtAcG-gACTACCGCTGG	-	4	2	2	0.00	1.00
Chr2:15270927-15270949	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GaTCCGAGcCGAcCaAaGgAG	+	5	1	2	0.00	1.00
Chr1:251528727-25152894	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCGAGTcGACTCCGCGGG	-	4	1	2	0.00	1.00
Chr3:86293443-86293465	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GcAtCGAAGTCC-ggHGGCCGG	-	4	2	2	0.00	1.00
Chr4:82435430-82435452	3	RNA	GGCCGAGGTGCACTACCGGCRNG	tGCaGgGcTCCGCTA-GGCTGG	+	5	2	2	0.00	1.00
Chr9:88565741-88565763	5	X	GGCCGAGGTGCACTACCGGCRNG	GcCaGAGGgGgAaTCCCGCTGG	+	5	0	2	0.00	1.00
Chr2:193040511-193040533	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGcCGAgcCC-IGGG	-	5	2	2	0.00	1.00
Chr8:62989458-62989480	3	RNA	GGCCGAGGTGCACTACCGGCRNG	cGtGAGTtG-TACCGCCGG	+	5	2	2	0.00	1.00
Chr6:18764727-18764749	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTgGcCaCCGGAATAG	+	5	2	2	0.00	1.00
Chr8:4558797-4558819	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGTCTcTcCaCaGcAAG	-	5	1	2	0.00	1.00
Chr1:82134215-82134237	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-tcGgGACTCCGCGTGG	-	4	2	2	0.00	1.00
Chr7:123319594-123319516	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GaCCAGGcGcGACTc-GGCaAG	+	4	2	2	0.00	1.00
Chr5:99787853-99787875	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCCGAGGcGcCaACTCCGCGGG	+	5	2	2	0.00	1.00
Chr1:276024506-276024528	3	RNA	GGCCGAGGTGCACTACCGGCRNG	ttGcGgGc-gACTACCGCTGG	+	5	2	2	0.00	1.00
Chr3:30024630-30024652	3	X	GGCCGAGGTGCACTACCGGCRNG	GGCCGAGGcGAGrtTgGCGGAG	+	5	0	2	0.00	1.00
Chr4:127812308-127812330	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GcCaGAGGgGc-cACCGGcAG	-	5	2	2	0.00	1.00
Chr3:84602825-84602847	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGGcTcGcGcGGCGGAG	+	5	1	2	0.00	1.00
Chr8:5994399-5994421	3	RNA	GGCCGAGGTGCACTACCGGCRNG	G-aCAGGTCGACaCgagCGGG	+	5	1	2	0.00	1.00
Chr4:144602546-144602568	3	X	GGCCGAGGTGCACTACCGGCRNG	GcGcGtAGAcTcGtTgGCGGAG	+	5	0	2	0.00	1.00
Chr2:59678565-59678587	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-HtGgGACTACCGCTGG	+	4	2	2	0.00	1.00
Chr8:63187888-63187910	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGGtGgGcCaACTCCGCGAG	+	5	2	2	0.00	1.00
Chr7:33714278-33714300	5	DNA	GGC-GAGGTGCACTACCGGCRNG	aGCTCAaTTCAGCaCCGCGTGG	-	5	1	2	0.00	1.00
Chr3:185874988-185875010	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GtCCG-gTgCaCCGCGAG	-	5	2	2	0.00	1.00
Chr5:124273553-124273775	3	DNA	GGCCGAGGTGCACTACCGGCRNG	cGcCAGGcGcGcAGCaAGTCCGCAAG	+	5	2	2	0.00	1.00
Chr2:242848948-24284920	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-HtTgGATACCGCTGG	+	4	2	2	0.00	1.00
Chr2:89511218-89511240	3	RNA	GGCCGAGGTGCACTACCGGCRNG	ttCCCAATgCGTt-CCGCGAG	+	5	2	2	0.00	1.00
Chr4:167507325-167507347	3	RNA	GGCCGAGGTGCACTACCGGCRNG	GgGcAGaTCAcTcGgGcAAG	+	5	1	2	0.00	1.00
Chr9:153190486-153190508	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GGCCAGAGcCGAGTcCaGCGCTGG	+	5	2	2	0.00	1.00
Chr4:123629510-123629532	3	DNA	GGCCGAGGTGCACTACCGGCRNG	GcCCGAGGcCaCaCCCGTGGCAG	+	4	2	2	0.00	1.00
Chr1:216585878-216585900	5	RNA	GGCCGAGGTGCACTACCGGCRNG	GGC-AGGctGAGCaCCGCGGG	-	4	2	2	0.00	

Chr1:121846086-121846108	121846093	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GGCTGAGaTh-AgaACCGCGGG	-	5	1	2	0.00	1.00
Chr7:156838989-156839011	156839006	3	RNA	GGCCGAGGTCGACTACCGGCNRG	caCaaAGTGCCT-CCGGCCAG	+	5	1	2	0.00	1.00
Chr8:15436603-15436625	15436620	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GgCG-GGcCaCctCCGGCCGG	+	5	1	2	0.00	1.00
Chr7:88111977-88111999	88111994	3	DNA	GGCCGAGGTCGA-CTACCGGCNRG	aGCCGAGGCCTGATCgACCGaTGAG	+	5	1	2	0.00	1.00
Chr1:106347042-106347064	106347049	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GGC-AGGaCGAaTaaGaCCGG	-	5	2	2	0.00	1.00
Chr7:165223996-165224018	165224013	3	RNA	GGCCGAGGTCGACTACCGGCNRG	G-CCGAGGTCGAgctGgCGAG	+	5	1	2	0.00	1.00
Chr3:220370964-220370986	220370981	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GGC-HGcgGATACCGCTGG	+	5	2	2	0.00	1.00
Chr8:4996049-4996071	4996056	5	RNA	GGCCGAGGTCGACTACCGGCNRG	ccCCgGGTGA-AaCGCCGAG	-	5	2	2	0.00	1.00
Chr2:3969609-3969631	3969616	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GGCCGAGGTC-ACtCgGGCTGG	-	5	1	2	0.00	1.00
Chr4:176776870-176776892	176776877	5	DNA	GGCCGAGGTCGACTACCGGCNRG	GGTCGAGGTCGAgTcCpaGCCCTGG	-	5	2	2	0.00	1.00
Chr8:79847512-79847534	79847519	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GgagGgGATCAGTCA-GgGAG	-	5	2	2	0.00	1.00
Chr6:137270185-137270207	137270202	3	RNA	GGCCGAGGTCGACTACCGGCNRG	aGCCGAGGTCGCT-CgGGCAGG	+	5	1	2	0.00	1.00
Chr1:65383212-65383234	65383229	3	RNA	GGCCGAGGTCGACTACCGGCNRG	cGCCGAGGTCGcCaa-GGCAGG	+	5	2	2	0.00	1.00
Chr1:302484041-302484063	302484048	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GcCtaAGGTCGAC-gCCGGCGGG	-	5	1	2	0.00	1.00
Chr1:158686361-158686383	158686368	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GgCgGgGTHgCT-CCGgAGG	-	5	1	2	0.00	1.00
Chr4:146127556-146127578	146127573	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GGCgHtGT-GaCaCCGGAAG	+	5	1	2	0.00	1.00
Chr8:95686187-95686209	95686194	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GGC-tcGgGACTACCGCTGG	-	5	2	2	0.00	1.00
Chr6:19132057-19132079	19132074	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GcCgGgGTCGACT--GgAGGG	+	5	2	2	0.00	1.00
Chr5:59842963-59842985	59842980	3	RNA	GGCCGAGGTCGACTACCGGCNRG	G--CGAGaCaCaACaCaAGG	+	5	2	2	0.00	1.00
Chr4:109179406-109179428	109179423	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GTCGAGaCaC-CTAaCtGCGAG	+	4	2	2	0.00	1.00
Chr7:68498628-68498650	68498645	3	DNA	GGCCGAGGTCGACTACCGGCNRG	GcCaGAGTCGgCACCATGGCCAG	+	5	2	2	0.00	1.00
Chr3:157868846-157868868	157868863	3	RNA	GGCCGAGGTCGACTACCGGCNRG	aGCCAGGTCG--TAAaGCTGG	+	5	2	2	0.00	1.00
Chr3:43610460-43610482	43610467	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GGC-tcGaaGACTACCGCTGG	-	4	2	2	0.00	1.00
Chr3:880380-880402	880387	5	RNA	GGCCGAGGTCGACTACCGGCNRG	GTCaGAG-TCGACctCgGGCGAG	-	5	1	2	0.00	1.00
Chr7:12856794-12856816	12856801	5	RNA	GGCCGAGGTCGACTACCGGCNRG	aGCCGAGGTC-GgCaaCtGGCTGG	-	5	1	2	0.00	1.00
Chr5:18497644-18497666	18497661	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GGC-AGGcCGAgAACaaCCGG	+	5	2	2	0.00	1.00
Chr8:96805245-96805267	96805262	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GaCCGAGGTC-GAGcCaSaAGG	+	5	1	2	0.00	1.00
Chr3:207124871-207124893	207124888	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GGaCtAGGTGCG-TrCCaGHTGG	+	5	2	2	0.00	1.00
Chr2:204542876-204542898	204542893	3	RNA	GGCCGAGGTCGACTACCGGCNRG	GGC-tcGgGACTACCGCTGG	+	4	2	2	0.00	1.00
Chr4:117792293-117792315	117792300	5	RNA	GGCCGAGGTCGACTACCGGCNRG	G-attGgGTCGACaCgGGCGGG	-	5	1	2	0.00	1.00

**Supplementary Table 5.** CLEAVE-seq data and a shortlist of computationally predicted high ranked M2 sites with low number of mismatches and bulges. On-target site is shown on the top. RNA Bulges are shown as boxes, respectively. Mismatches are shown in color boxes.

Site	Computational prediction		CLEAVE-Seq reads 100nM	Sequence																				Genomic Location			
	Mismatch	Bulge		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		0	-1	-2
1	0	0	227	G	G	C	C	G	A	G	G	T	C	G	A	C	T	A	C	C	G	G	C	C	G	G	Chr9:143631773-143631795
2	1	1	0																								Chr3:214572069-214572090
3	2	1	0																								Chr3:216792332-216792353
4	2	1	0																								Chr5:196093089-196093111
5	2	1	0																								Chr5:219494224-219494245
6	2	2	0																								Chr7:116040382-116040402
7	3	0	0																								Chr4:173200547-173200569





**Supplementary Table 7.** MIPS genotyping of 390 T<sub>0</sub> maize plants generated from three different target sites and delivery methods. Any allele, mutant or WT represent >5% of total reads to be called an allele. Percent mutant alleles indicate total mutant alleles/total alleles from plants analyzed. Mosaic plants contain >2 alleles. Homozygous mutant plants contain single mutant allele with >90% reads

Target Site	Transformation Method	Number of Plants Analyzed	Percent Mutant Alleles	Mosaic Plants	Homozygous WT Plants	Homozygous Mutant Plants	Heterozygous Mut/Mut Plants	Heterozygous WT/Mut Plants
M1	Agro	26	61.30%	0.00%	46.20%	34.60%	19.20%	0.00%
M2	DNA-particle gun	112	95.90%	8.10%	5.20%	34.90%	45.90%	5.80%
	Agro	117	99.00%	9.30%	0.00%	49.20%	39.80%	1.70%
	RNP-particle gun	94	33.30%	0.00%	61.50%	15.40%	15.40%	7.70%
M3	Agro	41	94.30%	5.60%	8.30%	55.60%	30.60%	0.00%