

Table S2. Mod-seq identified sites of DMS-dependent modification in yeast total RNA. The number of sequence reads indicating modification at each site are shown (RT stops), as are the total number for the gene (Total RT stops). The enrichment ratio is the relative enrichment of RT stops at each position in RNA from DMS treated culture as compared to untreated culture. The results of statistical analysis are given, including both raw (CMH) and Benjamini-Hochberg corrected (B-H) p-values.

Gene	Position	Nucleotide	100 mM DMS Replicate 1		No DMS Replicate 1		100 mM DMS Replicate 2		No DMS Replicate 2		Enrichment Ratio (DMS / No DMS)	CMH P-values	B-H adjusted P-values
			RT stops	Total RT stops	RT stops	Total RT stops	RT stops	Total RT stops	RT stops	Total RT stops			
ETS1	303	A	9	1,456	0	1,180	18	979	2	697	6.69	0.0006305	0.04413
ETS1	328	A	15	1,456	0	1,180	9	979	0	697	9.20	0.0005009	0.03896
ETS1	405	A	16	1,456	1	1,180	9	979	1	697	9.60	0.0003336	0.02919
ETS1	428	A	26	1,456	5	1,180	12	979	1	697	4.97	0.0001104	0.01546
ETS1	452	A	47	1,456	5	1,180	18	979	0	697	8.53	4.66E-09	3.26E-06
ETS1	469	C	43	1,456	5	1,180	13	979	1	697	7.37	1.24E-07	4.35E-05
ETS1	581	A	25	1,456	0	1,180	7	979	2	697	8.18	5.60E-05	0.01306
ITS1	5	A	35	1,236	15	1,296	16	1,063	4	1,027	2.76	0.0001603	0.006429
ITS1	10	A	59	1,236	18	1,296	13	1,063	1	1,027	3.95	2.89E-08	2.60E-06
ITS1	11	A	28	1,236	10	1,296	12	1,063	3	1,027	3.16	0.0002775	0.009106
ITS1	13	A	54	1,236	19	1,296	15	1,063	3	1,027	3.25	9.03E-07	6.52E-05
ITS1	14	A	28	1,236	5	1,296	3	1,063	4	1,027	3.52	0.0006839	0.02057
ITS1	23	A	15	1,236	2	1,296	5	1,063	0	1,027	6.82	0.000706	0.01961
ITS1	74	A	30	1,236	0	1,296	17	1,063	4	1,027	9.39	1.19E-08	1.43E-06
ITS1	133	A	21	1,236	1	1,296	27	1,063	4	1,027	9.54	9.86E-09	1.78E-06
ITS1	154	A	21	1,236	0	1,296	18	1,063	10	1,027	3.52	0.0001412	0.007282
ITS1	155	A	60	1,236	40	1,296	9	1,063	34	1,027	1.77	0.0001442	0.006506
ITS1	293	A	13	1,236	0	1,296	9	1,063	0	1,027	11.11	9.64E-05	0.005799
ITS2	2	C	42	1,607	10	1,319	15	1,285	7	990	2.69	0.0003216	0.01066
ITS2	5	C	111	1,607	30	1,319	74	1,285	17	990	3.15	5.62E-13	1.30E-10
ITS2	47	A	66	1,607	27	1,319	31	1,285	13	990	1.95	0.0004884	0.01416
ITS2	52	G	31	1,607	15	1,319	35	1,285	9	990	2.19	0.001217	0.02824
ITS2	70	A	71	1,607	20	1,319	30	1,285	17	990	2.19	5.25E-05	0.002029
ITS2	149	A	50	1,607	8	1,319	30	1,285	8	990	3.99	9.77E-08	7.56E-06
ITS2	159	A	33	1,607	5	1,319	20	1,285	4	990	4.71	4.37E-06	0.0002028
ITS2	160	A	63	1,607	10	1,319	40	1,285	8	990	4.57	1.66E-10	1.93E-08
NME1	97	A	56	453	0	301	37	454	2	350	22.10	2.10E-13	7.15E-11
RDN18	2	A	2,201	769,580	1,220	868,296	2,711	672,446	1,152	699,560	2.24	0	0
RDN18	25	C	4,021	769,580	1,807	868,296	2,921	672,446	1,677	699,560	2.17	0	0
RDN18	40	A	430	769,580	236	868,296	360	672,446	184	699,560	2.05	0	0
RDN18	43	A	1,780	769,580	790	868,296	1,171	672,446	585	699,560	2.34	0	0
RDN18	65	A	5,511	769,580	1,196	868,296	3,176	672,446	630	699,560	5.22	0	0
RDN18	67	A	1,473	769,580	317	868,296	1,113	672,446	194	699,560	5.53	0	0
RDN18	71	A	4,263	769,580	1,693	868,296	2,713	672,446	852	699,560	3.00	0	0
RDN18	72	A	2,740	769,580	1,909	868,296	1,906	672,446	1,071	699,560	1.71	0	0
RDN18	76	A	1,488	769,580	487	868,296	885	672,446	499	699,560	2.62	0	0
RDN18	80	A	1,496	769,580	510	868,296	1,355	672,446	332	699,560	3.69	0	0
RDN18	84	A	907	769,580	640	868,296	879	672,446	546	699,560	1.64	0	0
RDN18	103	A	665	769,580	364	868,296	414	672,446	227	699,560	2.00	0	0
RDN18	104	A	1,881	769,580	843	868,296	1,295	672,446	582	699,560	2.43	0	0
RDN18	130	C	352	769,580	144	868,296	174	672,446	151	699,560	1.94	0	0
RDN18	135	A	778	769,580	335	868,296	754	672,446	230	699,560	2.95	0	0
RDN18	136	C	1,449	769,580	851	868,296	1,027	672,446	707	699,560	1.73	0	0
RDN18	154	G	1,197	769,580	580	868,296	1,040	672,446	380	699,560	2.54	0	0
RDN18	176	C	3,058	769,580	1,175	868,296	1,413	672,446	544	699,560	2.86	0	0
RDN18	180	A	1,241	769,580	784	868,296	838	672,446	465	699,560	1.82	0	0
RDN18	181	A	6,532	769,580	2,759	868,296	5,403	672,446	1,164	699,560	3.90	0	0
RDN18	188	A	968	769,580	256	868,296	619	672,446	199	699,560	3.85	0	0
RDN18	196	G	1,150	769,580	695	868,296	692	672,446	371	699,560	1.89	0	0
RDN18	198	A	1,172	769,580	187	868,296	496	672,446	87	699,560	6.70	0	0
RDN18	215	A	4,615	769,580	705	868,296	1,988	672,446	296	699,560	7.26	0	0
RDN18	228	G	1,173	769,580	896	868,296	1,109	672,446	623	699,560	1.64	0	0
RDN18	237	C	2,782	769,580	2,008	868,296	1,486	672,446	948	699,560	1.59	0	0
RDN18	251	A	3,263	769,580	779	868,296	2,114	672,446	733	699,560	3.87	0	0
RDN18	266	A	4,191	769,580	1,609	868,296	2,804	672,446	1,084	699,560	2.84	0	0
RDN18	271	A	541	769,580	320	868,296	586	672,446	297	699,560	1.98	0	0
RDN18	273	G	105	769,580	43	868,296	138	672,446	74	699,560	2.23	3.22E-13	9.86E-13
RDN18	274	G	149	769,580	78	868,296	255	672,446	123	699,560	2.16	0	0
RDN18	279	G	458	769,580	270	868,296	653	672,446	420	699,560	1.73	0	0
RDN18	281	G	455	769,580	172	868,296	660	672,446	254	699,560	2.81	0	0
RDN18	287	G	1,506	769,580	542	868,296	1,610	672,446	600	699,560	2.95	0	0
RDN18	288	A	359	769,580	171	868,296	535	672,446	313	699,560	1.98	0	0
RDN18	307	G	143	769,580	77	868,296	225	672,446	165	699,560	1.63	3.34E-09	8.01E-09
RDN18	312	A	3,526	769,580	867	868,296	2,737	672,446	864	699,560	3.93	0	0
RDN18	352	A	13,839	769,580	1,179	868,296	6,555	672,446	769	699,560	11.47	0	0
RDN18	359	A	2,842	769,580	961	868,296	1,623	672,446	727	699,560	2.89	0	0
RDN18	369	A	384	769,580	114	868,296	375	672,446	211	699,560	2.52	0	0
RDN18	412	A	4,069	769,580	826	868,296	2,732	672,446	585	699,560	5.26	0	0
RDN18	414	C	91	769,580	46	868,296	92	672,446	63	699,560	1.81	7.85E-07	1.54E-06
RDN18	416	A	577	769,580	232	868,296	475	672,446	223	699,560	2.51	0	0
RDN18	417	A	139	769,580	69	868,296	147	672,446	89	699,560	1.96	7.41E-12	2.11E-11
RDN18	420	A	223	769,580	125	868,296	148	672,446	69	699,560	2.09	0	0
RDN18	421	A	73	769,580	41	868,296	80	672,446	63	699,560	1.59	0.0003156	0.0004956
RDN18	436	A	1,223	769,580	962	868,296	907	672,446	430	699,560	1.68	0	0
RDN18	452	A	2,547	769,580	850	868,296	1,682	672,446	523	699,560	3.37	0	0
RDN18	455	C	803	769,580	442	868,296	576	672,446	333	699,560	1.94	0	0
RDN18	487	G	37	769,580	26	868,296	21	672,446	11	699,560	1.72	0.01209	0.0162
RDN18	492	A	1,577	769,580	674	868,296	589	672,446	320	699,560	2.40	0	0
RDN18	497	G	95	769,580	62	868,296	72	672,446	33	699,560	1.92	3.31E-07	6.61E-07
RDN18	498	G	752	769,580	479	868,296	446	672,446	184	699,560	1.99	0	0
RDN18	511	A	1,226	769,580	860	868,296	841	672,446	512	699,560	1.65	0	0
RDN18	515	A	2,145	769,580	151	868,296	1,572	672,446	182	699,560	12.11	0	0
RDN18	529	A	1,696	769,580	174	868,296	1,870	672,446	337	699,560	7.50	0	0
RDN18	530	C	280	769,580	110	868,296	274	672,446	280	699,560	1.53	1.26E-10	3.31E-10
RDN18	534	A	34,286	769,580	2,255	868,296	17,720	672,446	1,599	699,560	14.75	0	0
RDN18	540	G	793	769,580	387	868,296	939	672,446	509	699,560	2.09	0	0
RDN18	541	A	3,005	769,580	1,239	868,296	1,519	672,446	715	699,560	2.54	0	0
RDN18	542	A	2,239	769,580	372	868,296	2,079	672,446	450	699,560	5.68	0	0
RDN18	544	A	4,257	769,580	745	868,296	2,964	672,446	952	699,560	4.61	0	0
RDN18	554	C	1,381	769,580	443	868,296	1,220	672,446	566	699,560	2.79	0	0
RDN18	579	A	1,889	769,580	867	868,296	1,550	672,446	642	699,560	2.48	0	0
RDN18	605	A	227	769,580	177	868,296	323	672,446	171	699,560	1.71	4.11E-15	1.36E-14
RDN18	643	G	80	769,580	12	868,296	205	672,446	134	699,560			

RDN18	707	A	360	769,580	227	868,296	459	672,446	191	699,560	2.12	0	0
RDN18	714	G	1,405	769,580	841	868,296	1,934	672,446	607	699,560	2.50	0	0
RDN18	722	G	121	769,580	93	868,296	136	672,446	76	699,560	1.65	4.47E-07	8.84E-07
RDN18	730	G	179	769,580	127	868,296	261	672,446	137	699,560	1.80	3.13E-14	1.01E-13
RDN18	733	A	1,631	769,580	750	868,296	1,208	672,446	439	699,560	2.61	0	0
RDN18	734	A	1,558	769,580	367	868,296	1,631	672,446	242	699,560	5.70	0	0
RDN18	739	G	686	769,580	589	868,296	558	672,446	308	699,560	1.52	0	0
RDN18	741	C	3,581	769,580	1,082	868,296	2,359	672,446	649	699,560	3.75	0	0
RDN18	756	A	3,296	769,580	1,338	868,296	3,148	672,446	829	699,560	3.24	0	0
RDN18	771	A	940	769,580	280	868,296	673	672,446	190	699,560	3.75	0	0
RDN18	780	A	2,193	769,580	1,192	868,296	1,277	672,446	504	699,560	2.25	0	0
RDN18	787	G	832	769,580	495	868,296	552	672,446	146	699,560	2.38	0	0
RDN18	789	A	1,872	769,580	656	868,296	813	672,446	331	699,560	2.99	0	0
RDN18	803	A	3,185	769,580	1,456	868,296	1,653	672,446	509	699,560	2.71	0	0
RDN18	809	A	528	769,580	218	868,296	289	672,446	125	699,560	2.61	0	0
RDN18	811	A	2,506	769,580	1,601	868,296	958	672,446	682	699,560	1.67	0	0
RDN18	812	A	7,949	769,580	1,138	868,296	2,641	672,446	640	699,560	6.55	0	0
RDN18	816	G	3,438	769,580	1,976	868,296	2,479	672,446	1,826	699,560	1.69	0	0
RDN18	853	G	2,795	769,580	1,460	868,296	2,354	672,446	747	699,560	2.55	0	0
RDN18	859	A	4,474	769,580	2,046	868,296	2,673	672,446	923	699,560	2.64	0	0
RDN18	875	G	51	769,580	21	868,296	40	672,446	38	699,560	1.67	0.002577	0.003705
RDN18	885	G	518	769,580	342	868,296	274	672,446	221	699,560	1.54	3.44E-15	1.15E-14
RDN18	904	G	666	769,580	386	868,296	456	672,446	275	699,560	1.85	0	0
RDN18	929	A	2,802	769,580	714	868,296	1,320	672,446	389	699,560	4.10	0	0
RDN18	934	C	541	769,580	228	868,296	263	672,446	204	699,560	2.03	0	0
RDN18	970	A	857	769,580	183	868,296	536	672,446	152	699,560	4.53	0	0
RDN18	971	A	149	769,580	86	868,296	122	672,446	86	699,560	1.71	3.21E-08	7.01E-08
RDN18	993	A	1,038	769,580	122	868,296	649	672,446	136	699,560	7.11	0	0
RDN18	1005	A	498	769,580	218	868,296	460	672,446	302	699,560	1.99	0	0
RDN18	1020	A	384	769,580	241	868,296	359	672,446	191	699,560	1.87	0	0
RDN18	1030	A	282	769,580	139	868,296	396	672,446	134	699,560	2.68	0	0
RDN18	1061	A	2,498	769,580	779	868,296	1,984	672,446	499	699,560	3.83	0	0
RDN18	1062	A	616	769,580	209	868,296	590	672,446	205	699,560	3.16	0	0
RDN18	1091	A	717	769,580	311	868,296	284	672,446	145	699,560	2.42	0	0
RDN18	1116	A	1,034	769,580	241	868,296	623	672,446	305	699,560	3.30	0	0
RDN18	1126	G	78	769,580	62	868,296	88	672,446	29	699,560	1.99	1.21E-07	2.50E-07
RDN18	1139	A	1,213	769,580	28	868,296	487	672,446	26	699,560	34.41	0	0
RDN18	1140	G	52	769,580	9	868,296	26	672,446	10	699,560	4.47	2.27E-10	5.84E-10
RDN18	1165	G	13	769,580	3	868,296	14	672,446	8	699,560	2.63	0.007754	0.01062
RDN18	1193	A	6,772	769,580	2,289	868,296	2,868	672,446	1,024	699,560	3.20	0	0
RDN18	1217	A	251	769,580	82	868,296	63	672,446	27	699,560	3.19	0	0
RDN18	1219	A	1,202	769,580	187	868,296	390	672,446	110	699,560	5.90	0	0
RDN18	1226	A	1,322	769,580	226	868,296	533	672,446	96	699,560	6.35	0	0
RDN18	1227	A	407	769,580	76	868,296	152	672,446	22	699,560	6.31	0	0
RDN18	1246	C	29,332	769,580	692	868,296	13,090	672,446	535	699,560	37.79	0	0
RDN18	1247	T	265	769,580	97	868,296	178	672,446	79	699,560	2.74	0	0
RDN18	1263	G	83	769,580	48	868,296	66	672,446	32	699,560	2.03	2.62E-07	5.27E-07
RDN18	1265	G	1,150	769,580	201	868,296	1,037	672,446	104	699,560	7.83	0	0
RDN18	1319	A	2,900	769,580	628	868,296	2,088	672,446	598	699,560	4.42	0	0
RDN18	1325	A	4,364	769,580	1,615	868,296	2,393	672,446	927	699,560	2.91	0	0
RDN18	1346	A	2,033	769,580	802	868,296	1,160	672,446	458	699,560	2.78	0	0
RDN18	1360	A	1,530	769,580	889	868,296	888	672,446	576	699,560	1.81	0	0
RDN18	1368	G	531	769,580	365	868,296	498	672,446	349	699,560	1.56	0	0
RDN18	1371	A	1,351	769,580	490	868,296	1,103	672,446	519	699,560	2.64	0	0
RDN18	1383	G	514	769,580	225	868,296	452	672,446	209	699,560	2.42	0	0
RDN18	1402	G	326	769,580	206	868,296	318	672,446	187	699,560	1.78	0	0
RDN18	1419	G	297	769,580	156	868,296	339	672,446	217	699,560	1.84	0	0
RDN18	1421	A	2,385	769,580	784	868,296	1,776	672,446	811	699,560	2.83	0	0
RDN18	1427	A	93	769,580	52	868,296	194	672,446	98	699,560	2.05	5.83E-13	1.76E-12
RDN18	1428	G	208	769,580	101	868,296	316	672,446	119	699,560	2.57	0	0
RDN18	1460	A	170	769,580	100	868,296	219	672,446	157	699,560	1.63	1.12E-09	2.78E-09
RDN18	1474	G	1,906	769,580	1,422	868,296	1,460	672,446	923	699,560	1.57	0	0
RDN18	1488	G	2,672	769,580	480	868,296	2,383	672,446	531	699,560	5.42	0	0
RDN18	1490	C	1,316	769,580	331	868,296	947	672,446	843	699,560	2.08	0	0
RDN18	1492	A	2,911	769,580	1,515	868,296	3,550	672,446	2,230	699,560	1.86	0	0
RDN18	1493	A	686	769,580	153	868,296	1,007	672,446	453	699,560	2.99	0	0
RDN18	1503	A	589	769,580	110	868,296	603	672,446	130	699,560	5.37	0	0
RDN18	1507	G	593	769,580	367	868,296	753	672,446	457	699,560	1.76	0	0
RDN18	1521	G	1,927	769,580	279	868,296	3,076	672,446	450	699,560	7.37	0	0
RDN18	1556	A	2,085	769,580	1,224	868,296	2,589	672,446	1,443	699,560	1.89	0	0
RDN18	1593	A	316	769,580	212	868,296	486	672,446	292	699,560	1.71	0	0
RDN18	1638	G	262	769,580	156	868,296	354	672,446	263	699,560	1.58	3.89E-13	1.18E-12
RDN18	1640	C	186	769,580	68	868,296	173	672,446	126	699,560	1.99	3.22E-15	1.08E-14
RDN18	1651	A	405	769,580	242	868,296	409	672,446	198	699,560	2.01	0	0
RDN18	1679	G	41	769,580	21	868,296	51	672,446	31	699,560	1.91	0.0002159	0.0003448
RDN18	1681	A	12,042	769,580	826	868,296	7,179	672,446	848	699,560	12.49	0	0
RDN18	1682	T	147	769,580	67	868,296	123	672,446	121	699,560	1.55	3.89E-06	7.12E-06
RDN18	1689	A	319	769,580	244	868,296	280	672,446	182	699,560	1.53	1.77E-11	4.93E-11
RDN18	1701	A	1,313	769,580	630	868,296	1,078	672,446	821	699,560	1.78	0	0
RDN18	1702	A	282	769,580	96	868,296	273	672,446	202	699,560	2.00	0	0
RDN18	1707	A	1,624	769,580	805	868,296	1,122	672,446	575	699,560	2.17	0	0
RDN18	1712	A	536	769,580	58	868,296	406	672,446	83	699,560	7.23	0	0
RDN18	1715	G	84	769,580	57	868,296	76	672,446	54	699,560	1.56	0.0003286	0.0005143
RDN18	1720	G	351	769,580	121	868,296	170	672,446	98	699,560	2.60	0	0
RDN18	1721	A	1,745	769,580	421	868,296	1,159	672,446	292	699,560	4.45	0	0
RDN18	1722	A	1,048	769,580	448	868,296	690	672,446	436	699,560	2.14	0	0
RDN18	1731	A	2,739	769,580	334	868,296	1,705	672,446	325	699,560	7.34	0	0
RDN18	1749	A	99	769,580	21	868,296	24	672,446	8	699,560	4.69	2.22E-16	7.82E-16
RDN18	1750	A	8	769,580	5	868,296	12	672,446	3	699,560	2.71	0.02231	0.02908
RDN25	6	A	154	1,496,002	76	1,530,045	225	1,370,868	128	1,346,647	1.85	6.81E-13	1.86E-12
RDN25	18	G	976	1,496,002	736	1,530,045	993	1,370,868	517	1,346,647	1.58	0	0
RDN25	30	G	594	1,496,002	158	1,530,045	720	1,370,868	151	1,346,647	4.26	0	0
RDN25	85	A	5,083	1,496,002	390	1,530,045	4,135	1,370,868	309	1,346,647	13.25	0	0
RDN25	116	A	1,849	1,496									

RDN25	256	G	461	1,496.002	170	1,530.045	455	1,370.868	303	1,346,647	1.94	0	0
RDN25	285	A	627	1,496.002	291	1,530.045	450	1,370.868	323	1,346,647	1.76	0	0
RDN25	348	A	7,600	1,496.002	2,791	1,530.045	2,700	1,370.868	959	1,346,647	2.78	0	0
RDN25	366	A	3,532	1,496.002	715	1,530.045	994	1,370.868	363	1,346,647	4.25	0	0
RDN25	372	A	1,951	1,496.002	694	1,530.045	510	1,370.868	255	1,346,647	2.63	0	0
RDN25	378	A	745	1,496.002	298	1,530.045	318	1,370.868	205	1,346,647	2.13	0	0
RDN25	385	A	1,696	1,496.002	1,147	1,530.045	864	1,370.868	552	1,346,647	1.52	0	0
RDN25	390	G	767	1,496.002	404	1,530.045	498	1,370.868	189	1,346,647	2.15	0	0
RDN25	402	A	597	1,496.002	229	1,530.045	352	1,370.868	155	1,346,647	2.49	0	0
RDN25	423	A	116	1,496.002	34	1,530.045	100	1,370.868	58	1,346,647	2.35	2.15E-12	5.72E-12
RDN25	436	A	176	1,496.002	93	1,530.045	170	1,370.868	95	1,346,647	1.85	8.93E-12	2.30E-11
RDN25	437	G	5,567	1,496.002	1,450	1,530.045	4,305	1,370.868	1,171	1,346,647	3.78	0	0
RDN25	438	A	650	1,496.002	138	1,530.045	585	1,370.868	138	1,346,647	4.49	0	0
RDN25	439	C	6,300	1,496.002	1,878	1,530.045	4,636	1,370.868	3,025	1,346,647	2.23	0	0
RDN25	440	A	1,223	1,496.002	305	1,530.045	1,118	1,370.868	260	1,346,647	4.16	0	0
RDN25	442	G	194	1,496.002	99	1,530.045	227	1,370.868	161	1,346,647	1.62	9.07E-10	2.06E-09
RDN25	443	G	361	1,496.002	201	1,530.045	444	1,370.868	188	1,346,647	2.07	0	0
RDN25	450	G	310	1,496.002	155	1,530.045	564	1,370.868	176	1,346,647	2.64	0	0
RDN25	453	C	563	1,496.002	99	1,530.045	669	1,370.868	256	1,346,647	3.46	0	0
RDN25	477	A	3,222	1,496.002	753	1,530.045	2,881	1,370.868	701	1,346,647	4.21	0	0
RDN25	478	A	1,591	1,496.002	844	1,530.045	1,458	1,370.868	694	1,346,647	1.99	0	0
RDN25	480	C	5,948	1,496.002	1,315	1,530.045	3,813	1,370.868	1,259	1,346,647	3.81	0	0
RDN25	490	A	270	1,496.002	163	1,530.045	263	1,370.868	192	1,346,647	1.50	2.42E-09	5.35E-09
RDN25	495	G	274	1,496.002	155	1,530.045	294	1,370.868	187	1,346,647	1.66	7.64E-14	2.21E-13
RDN25	499	G	147	1,496.002	70	1,530.045	153	1,370.868	85	1,346,647	1.94	1.33E-11	3.36E-11
RDN25	511	G	333	1,496.002	214	1,530.045	274	1,370.868	141	1,346,647	1.72	3.33E-16	1.09E-15
RDN25	514	G	230	1,496.002	107	1,530.045	187	1,370.868	132	1,346,647	1.75	3.71E-12	9.78E-12
RDN25	521	A	661	1,496.002	174	1,530.045	443	1,370.868	172	1,346,647	3.21	0	0
RDN25	522	A	1,095	1,496.002	565	1,530.045	886	1,370.868	364	1,346,647	2.14	0	0
RDN25	523	A	3,924	1,496.002	741	1,530.045	2,778	1,370.868	472	1,346,647	5.56	0	0
RDN25	537	A	647	1,496.002	66	1,530.045	811	1,370.868	113	1,346,647	8.13	0	0
RDN25	546	C	408	1,496.002	33	1,530.045	321	1,370.868	65	1,346,647	7.44	0	0
RDN25	547	G	288	1,496.002	129	1,530.045	283	1,370.868	147	1,346,647	2.07	0	0
RDN25	548	G	795	1,496.002	515	1,530.045	831	1,370.868	426	1,346,647	1.73	0	0
RDN25	572	A	510	1,496.002	82	1,530.045	596	1,370.868	148	1,346,647	4.80	0	0
RDN25	579	G	691	1,496.002	128	1,530.045	582	1,370.868	105	1,346,647	5.49	0	0
RDN25	592	A	306	1,496.002	42	1,530.045	385	1,370.868	66	1,346,647	6.39	0	0
RDN25	593	C	662	1,496.002	52	1,530.045	486	1,370.868	135	1,346,647	6.14	0	0
RDN25	597	G	463	1,496.002	264	1,530.045	389	1,370.868	264	1,346,647	1.62	0	0
RDN25	598	A	32	1,496.002	13	1,530.045	58	1,370.868	36	1,346,647	1.83	0.0007661	0.001107
RDN25	602	A	145	1,496.002	44	1,530.045	208	1,370.868	52	1,346,647	3.68	0	0
RDN25	603	A	170	1,496.002	33	1,530.045	237	1,370.868	73	1,346,647	3.83	0	0
RDN25	604	G	298	1,496.002	115	1,530.045	377	1,370.868	284	1,346,647	1.69	1.11E-16	3.74E-16
RDN25	607	A	87	1,496.002	39	1,530.045	194	1,370.868	93	1,346,647	2.12	4.96E-13	1.37E-12
RDN25	608	A	47	1,496.002	10	1,530.045	39	1,370.868	24	1,346,647	2.53	3.12E-06	5.48E-06
RDN25	619	A	883	1,496.002	206	1,530.045	894	1,370.868	159	1,346,647	4.89	0	0
RDN25	621	A	685	1,496.002	253	1,530.045	804	1,370.868	312	1,346,647	2.64	0	0
RDN25	692	A	72,649	1,496.002	1,210	1,530.045	60,561	1,370.868	1,144	1,346,647	56.79	0	0
RDN25	693	A	774	1,496.002	140	1,530.045	589	1,370.868	185	1,346,647	4.20	0	0
RDN25	697	A	1,237	1,496.002	548	1,530.045	878	1,370.868	343	1,346,647	2.39	0	0
RDN25	708	G	810	1,496.002	523	1,530.045	650	1,370.868	331	1,346,647	1.72	0	0
RDN25	710	A	423	1,496.002	255	1,530.045	334	1,370.868	229	1,346,647	1.57	6.44E-15	1.98E-14
RDN25	711	A	787	1,496.002	233	1,530.045	625	1,370.868	194	1,346,647	3.32	0	0
RDN25	718	G	820	1,496.002	450	1,530.045	617	1,370.868	457	1,346,647	1.59	0	0
RDN25	721	G	449	1,496.002	209	1,530.045	442	1,370.868	139	1,346,647	2.57	0	0
RDN25	734	C	2,040	1,496.002	684	1,530.045	759	1,370.868	456	1,346,647	2.48	0	0
RDN25	735	A	1,333	1,496.002	504	1,530.045	818	1,370.868	192	1,346,647	3.12	0	0
RDN25	736	A	515	1,496.002	136	1,530.045	256	1,370.868	66	1,346,647	3.85	0	0
RDN25	744	A	956	1,496.002	365	1,530.045	473	1,370.868	265	1,346,647	2.29	0	0
RDN25	761	A	9,591	1,496.002	369	1,530.045	3,479	1,370.868	324	1,346,647	19.00	0	0
RDN25	765	C	2,600	1,496.002	1,107	1,530.045	831	1,370.868	675	1,346,647	1.94	0	0
RDN25	771	A	1,404	1,496.002	587	1,530.045	613	1,370.868	374	1,346,647	2.12	0	0
RDN25	783	A	669	1,496.002	304	1,530.045	556	1,370.868	286	1,346,647	2.08	0	0
RDN25	784	A	711	1,496.002	94	1,530.045	522	1,370.868	120	1,346,647	5.78	0	0
RDN25	800	G	3,221	1,496.002	312	1,530.045	2,283	1,370.868	255	1,346,647	9.76	0	0
RDN25	845	G	678	1,496.002	322	1,530.045	785	1,370.868	301	1,346,647	2.35	0	0
RDN25	846	A	2,471	1,496.002	354	1,530.045	2,069	1,370.868	385	1,346,647	6.16	0	0
RDN25	848	A	2,367	1,496.002	117	1,530.045	2,226	1,370.868	202	1,346,647	14.40	0	0
RDN25	877	C	3,848	1,496.002	176	1,530.045	2,330	1,370.868	187	1,346,647	17.10	0	0
RDN25	882	A	544	1,496.002	243	1,530.045	288	1,370.868	222	1,346,647	1.80	0	0
RDN25	883	A	2,330	1,496.002	981	1,530.045	1,518	1,370.868	619	1,346,647	2.42	0	0
RDN25	887	G	1,049	1,496.002	321	1,530.045	818	1,370.868	390	1,346,647	2.63	0	0
RDN25	891	G	3,703	1,496.002	1,322	1,530.045	2,580	1,370.868	733	1,346,647	3.08	0	0
RDN25	895	A	2,400	1,496.002	758	1,530.045	1,691	1,370.868	526	1,346,647	3.21	0	0
RDN25	959	C	8,481	1,496.002	1,435	1,530.045	2,765	1,370.868	925	1,346,647	4.81	0	0
RDN25	978	G	565	1,496.002	270	1,530.045	466	1,370.868	224	1,346,647	2.10	0	0
RDN25	980	A	7,098	1,496.002	1,117	1,530.045	2,985	1,370.868	552	1,346,647	6.10	0	0
RDN25	1025	A	2,463	1,496.002	960	1,530.045	1,669	1,370.868	539	1,346,647	2.78	0	0
RDN25	1026	A	5,319	1,496.002	2,049	1,530.045	3,425	1,370.868	1,189	1,346,647	2.72	0	0
RDN25	1027	A	1,532	1,496.002	794	1,530.045	1,200	1,370.868	593	1,346,647	1.98	0	0
RDN25	1036	A	416	1,496.002	194	1,530.045	308	1,370.868	133	1,346,647	2.23	0	0
RDN25	1055	A	1,316	1,496.002	494	1,530.045	453	1,370.868	186	1,346,647	2.63	0	0
RDN25	1064	A	407	1,496.002	183	1,530.045	274	1,370.868	153	1,346,647	2.04	0	0
RDN25	1079	A	14,255	1,496.002	2,718	1,530.045	5,289	1,370.868	932	1,346,647	5.42	0	0
RDN25	1091	A	577	1,496.002	318	1,530.045	384	1,370.868	292	1,346,647	1.58	0	0
RDN25	1102	A	1,508	1,496.002	247	1,530.045	690	1,370.868	214	1,346,647	4.80	0	0
RDN25	1103	A	202	1,496.002	80	1,530.045	101	1,370.868	96	1,346,647	1.73	5.82E-09	1.25E-08
RDN25	1105	A	210	1,496.002	133	1,530.045	123	1,370.868	88	1,346,647	1.52	1.59E-06	2.86E-06
RDN25	1136	A	1,789	1,496.002	235	1,530.045	1,280	1,370.868	394	1,346,647	4.89		

RDN25	1350	A	3,590	1,496.002	614	1,530.045	3,089	1,370.868	538	1,346,647	5.82	0	0
RDN25	1352	A	1,524	1,496.002	316	1,530.045	1,256	1,370.868	438	1,346,647	3.69	0	0
RDN25	1354	G	734	1,496.002	519	1,530.045	819	1,370.868	465	1,346,647	1.58	0	0
RDN25	1355	A	650	1,496.002	139	1,530.045	739	1,370.868	150	1,346,647	4.81	0	0
RDN25	1363	A	160	1,496.002	81	1,530.045	185	1,370.868	116	1,346,647	1.75	2.69E-10	6.28E-10
RDN25	1366	A	572	1,496.002	108	1,530.045	652	1,370.868	182	1,346,647	4.22	0	0
RDN25	1375	G	226	1,496.002	26	1,530.045	255	1,370.868	43	1,346,647	6.97	0	0
RDN25	1383	G	2,189	1,496.002	553	1,530.045	1,807	1,370.868	571	1,346,647	3.57	0	0
RDN25	1386	A	299	1,496.002	150	1,530.045	269	1,370.868	161	1,346,647	1.83	0	0
RDN25	1400	G	875	1,496.002	241	1,530.045	707	1,370.868	338	1,346,647	2.74	0	0
RDN25	1401	A	242	1,496.002	90	1,530.045	162	1,370.868	121	1,346,647	1.92	6.66E-15	2.05E-14
RDN25	1408	G	91	1,496.002	37	1,530.045	94	1,370.868	73	1,346,647	1.68	1.66E-05	2.76E-05
RDN25	1409	G	1,026	1,496.002	435	1,530.045	654	1,370.868	437	1,346,647	1.94	0	0
RDN25	1421	G	741	1,496.002	40	1,530.045	844	1,370.868	60	1,346,647	15.85	0	0
RDN25	1449	A	105	1,496.002	49	1,530.045	28	1,370.868	11	1,346,647	2.25	1.27E-07	2.50E-07
RDN25	1465	A	121	1,496.002	63	1,530.045	113	1,370.868	85	1,346,647	1.58	1.27E-05	2.14E-05
RDN25	1503	A	5,879	1,496.002	1,541	1,530.045	4,075	1,370.868	1,062	1,346,647	3.85	0	0
RDN25	1519	G	78	1,496.002	35	1,530.045	70	1,370.868	30	1,346,647	2.29	1.65E-08	3.45E-08
RDN25	1520	G	249	1,496.002	134	1,530.045	235	1,370.868	142	1,346,647	1.76	4.60E-14	1.35E-13
RDN25	1521	G	4,319	1,496.002	814	1,530.045	4,106	1,370.868	675	1,346,647	5.68	0	0
RDN25	1539	A	787	1,496.002	316	1,530.045	662	1,370.868	508	1,346,647	1.76	0	0
RDN25	1545	A	165	1,496.002	46	1,530.045	220	1,370.868	113	1,346,647	2.41	0	0
RDN25	1557	A	178	1,496.002	101	1,530.045	95	1,370.868	78	1,346,647	1.54	8.61E-06	1.47E-05
RDN25	1561	G	187	1,496.002	137	1,530.045	246	1,370.868	115	1,346,647	1.72	5.44E-12	1.42E-11
RDN25	1566	A	1,242	1,496.002	596	1,530.045	1,340	1,370.868	524	1,346,647	2.31	0	0
RDN25	1571	A	695	1,496.002	192	1,530.045	858	1,370.868	246	1,346,647	3.55	0	0
RDN25	1576	G	44	1,496.002	17	1,530.045	92	1,370.868	61	1,346,647	1.73	0.000118	0.0001831
RDN25	1577	G	165	1,496.002	76	1,530.045	254	1,370.868	112	1,346,647	2.23	0	0
RDN25	1580	A	585	1,496.002	211	1,530.045	779	1,370.868	269	1,346,647	2.84	0	0
RDN25	1583	A	2,198	1,496.002	941	1,530.045	1,534	1,370.868	763	1,346,647	2.20	0	0
RDN25	1604	G	1,151	1,496.002	429	1,530.045	1,349	1,370.868	666	1,346,647	2.28	0	0
RDN25	1652	G	60	1,496.002	32	1,530.045	155	1,370.868	103	1,346,647	1.58	3.25E-05	5.27E-05
RDN25	1656	A	842	1,496.002	87	1,530.045	1,298	1,370.868	156	1,346,647	8.78	0	0
RDN25	1658	G	1,347	1,496.002	817	1,530.045	1,635	1,370.868	1,118	1,346,647	1.54	0	0
RDN25	1674	G	51	1,496.002	28	1,530.045	46	1,370.868	32	1,346,647	1.62	0.003869	0.005222
RDN25	1683	A	1,401	1,496.002	723	1,530.045	1,692	1,370.868	860	1,346,647	1.96	0	0
RDN25	1704	A	3,246	1,496.002	853	1,530.045	3,339	1,370.868	1,180	1,346,647	3.24	0	0
RDN25	1727	G	42	1,496.002	24	1,530.045	59	1,370.868	40	1,346,647	1.58	0.005242	0.006953
RDN25	1731	A	974	1,496.002	255	1,530.045	954	1,370.868	481	1,346,647	2.62	0	0
RDN25	1741	A	1,144	1,496.002	196	1,530.045	2,175	1,370.868	592	1,346,647	4.19	0	0
RDN25	1757	A	197	1,496.002	133	1,530.045	266	1,370.868	166	1,346,647	1.55	3.64E-09	7.98E-09
RDN25	1758	G	458	1,496.002	123	1,530.045	602	1,370.868	282	1,346,647	2.61	0	0
RDN25	1760	A	2,158	1,496.002	229	1,530.045	3,363	1,370.868	442	1,346,647	8.20	0	0
RDN25	1761	C	2,670	1,496.002	244	1,530.045	2,237	1,370.868	532	1,346,647	6.32	0	0
RDN25	1769	G	76	1,496.002	52	1,530.045	125	1,370.868	69	1,346,647	1.66	1.15E-05	1.94E-05
RDN25	1770	G	110	1,496.002	93	1,530.045	168	1,370.868	91	1,346,647	1.51	1.52E-05	2.54E-05
RDN25	1775	G	79	1,496.002	33	1,530.045	182	1,370.868	112	1,346,647	1.79	1.70E-08	3.54E-08
RDN25	1776	G	300	1,496.002	139	1,530.045	562	1,370.868	300	1,346,647	1.96	0	0
RDN25	1809	A	853	1,496.002	275	1,530.045	979	1,370.868	260	1,346,647	3.43	0	0
RDN25	1811	G	152	1,496.002	49	1,530.045	199	1,370.868	102	1,346,647	2.32	0	0
RDN25	1813	A	5,254	1,496.002	1,443	1,530.045	4,147	1,370.868	1,045	1,346,647	3.80	0	0
RDN25	1814	A	3,244	1,496.002	1,022	1,530.045	2,671	1,370.868	814	1,346,647	3.24	0	0
RDN25	1842	A	654	1,496.002	406	1,530.045	534	1,370.868	259	1,346,647	1.80	0	0
RDN25	1847	A	1,548	1,496.002	297	1,530.045	829	1,370.868	256	1,346,647	4.33	0	0
RDN25	1879	A	3,800	1,496.002	884	1,530.045	1,188	1,370.868	317	1,346,647	4.21	0	0
RDN25	1887	A	1,015	1,496.002	410	1,530.045	545	1,370.868	232	1,346,647	2.45	0	0
RDN25	1913	A	137	1,496.002	66	1,530.045	93	1,370.868	77	1,346,647	1.61	7.03E-06	1.21E-05
RDN25	1928	G	105	1,496.002	51	1,530.045	57	1,370.868	49	1,346,647	1.63	0.0001341	0.000207
RDN25	1930	A	5,227	1,496.002	1,004	1,530.045	2,182	1,370.868	515	1,346,647	4.93	0	0
RDN25	1932	A	925	1,496.002	207	1,530.045	494	1,370.868	182	1,346,647	3.67	0	0
RDN25	1933	A	192	1,496.002	36	1,530.045	103	1,370.868	32	1,346,647	4.36	0	0
RDN25	1949	G	1,191	1,496.002	625	1,530.045	895	1,370.868	712	1,346,647	1.57	0	0
RDN25	1952	G	76	1,496.002	40	1,530.045	78	1,370.868	49	1,346,647	1.73	3.84E-05	6.20E-05
RDN25	1953	G	401	1,496.002	177	1,530.045	391	1,370.868	187	1,346,647	2.18	0	0
RDN25	1957	G	605	1,496.002	345	1,530.045	620	1,370.868	399	1,346,647	1.65	0	0
RDN25	1969	G	2,100	1,496.002	706	1,530.045	1,498	1,370.868	651	1,346,647	2.66	0	0
RDN25	1974	A	664	1,496.002	89	1,530.045	601	1,370.868	119	1,346,647	6.09	0	0
RDN25	1979	G	102	1,496.002	36	1,530.045	131	1,370.868	62	1,346,647	2.37	1.89E-13	5.35E-13
RDN25	1985	G	356	1,496.002	84	1,530.045	364	1,370.868	106	1,346,647	3.79	0	0
RDN25	1987	G	140	1,496.002	98	1,530.045	115	1,370.868	59	1,346,647	1.63	1.34E-06	2.42E-06
RDN25	1991	G	193	1,496.002	75	1,530.045	205	1,370.868	97	1,346,647	2.32	0	0
RDN25	1993	G	20	1,496.002	22	1,530.045	71	1,370.868	37	1,346,647	1.53	0.01273	0.01621
RDN25	1994	G	680	1,496.002	329	1,530.045	770	1,370.868	302	1,346,647	2.30	0	0
RDN25	1995	A	436	1,496.002	123	1,530.045	605	1,370.868	65	1,346,647	5.56	0	0
RDN25	1998	G	112	1,496.002	77	1,530.045	166	1,370.868	107	1,346,647	1.51	1.61E-05	2.69E-05
RDN25	2003	G	675	1,496.002	183	1,530.045	851	1,370.868	448	1,346,647	2.41	0	0
RDN25	2012	G	209	1,496.002	101	1,530.045	407	1,370.868	245	1,346,647	1.77	0	0
RDN25	2022	G	112	1,496.002	45	1,530.045	148	1,370.868	110	1,346,647	1.67	3.79E-07	7.20E-07
RDN25	2024	G	50	1,496.002	19	1,530.045	142	1,370.868	90	1,346,647	1.75	3.29E-06	5.78E-06
RDN25	2025	G	943	1,496.002	647	1,530.045	1,318	1,370.868	655	1,346,647	1.74	0	0
RDN25	2026	A	549	1,496.002	147	1,530.045	1,161	1,370.868	207	1,346,647	4.82	0	0
RDN25	2035	G	192	1,496.002	52	1,530.045	384	1,370.868	128	1,346,647	3.18	0	0
RDN25	2042	G	2,191	1,496.002	877	1,530.045	2,540	1,370.868	1,020	1,346,647	2.50	0	0
RDN25	2049	A	385	1,496.002	74	1,530.045	618	1,370.868	183	1,346,647	3.89	0	0
RDN25	2058	G	727	1,496.002	339	1,530.045	887	1,370.868	638	1,346,647	1.65	0	0
RDN25	2062	G	527	1,496.002	457	1,530.045	766	1,370.868	403	1,346,647	1.51	0	0
RDN25	2088	A	3,474	1,496.002	756	1,530.045	2,988	1,370.868	518	1,346,647	5.10	0	0
RDN25	2089	A	1,491	1,496.002	650	1,530.045	1,129	1,370.868	422	1,346,6			

RDN25	2257	C	5,535	1,496,002	577	1,530,045	6,609	1,370,868	1,058	1,346,647	7.42	0	0
RDN25	2272	G	257	1,496,002	148	1,530,045	503	1,370,868	222	1,346,647	2.05	0	0
RDN25	2279	A	744	1,496,002	360	1,530,045	1,130	1,370,868	690	1,346,647	1.78	0	0
RDN25	2284	C	381	1,496,002	137	1,530,045	608	1,370,868	383	1,346,647	1.89	0	0
RDN25	2357	A	9,920	1,496,002	875	1,530,045	9,615	1,370,868	882	1,346,647	11.15	0	0
RDN25	2386	A	9,720	1,496,002	1,335	1,530,045	5,848	1,370,868	975	1,346,647	6.78	0	0
RDN25	2398	A	1,931	1,496,002	537	1,530,045	971	1,370,868	261	1,346,647	3.67	0	0
RDN25	2401	A	2,436	1,496,002	188	1,530,045	1,328	1,370,868	170	1,346,647	10.58	0	0
RDN25	2404	A	1,616	1,496,002	167	1,530,045	1,071	1,370,868	131	1,346,647	9.07	0	0
RDN25	2412	G	539	1,496,002	191	1,530,045	346	1,370,868	101	1,346,647	3.05	0	0
RDN25	2458	A	5,537	1,496,002	2,472	1,530,045	2,826	1,370,868	1,394	1,346,647	2.18	0	0
RDN25	2477	G	754	1,496,002	308	1,530,045	740	1,370,868	445	1,346,647	1.99	0	0
RDN25	2478	C	877	1,496,002	243	1,530,045	478	1,370,868	202	1,346,647	3.06	0	0
RDN25	2479	C	1,638	1,496,002	404	1,530,045	1,031	1,370,868	287	1,346,647	3.89	0	0
RDN25	2480	A	965	1,496,002	291	1,530,045	884	1,370,868	213	1,346,647	3.69	0	0
RDN25	2486	A	3,228	1,496,002	670	1,530,045	2,616	1,370,868	638	1,346,647	4.48	0	0
RDN25	2502	A	390	1,496,002	152	1,530,045	344	1,370,868	97	1,346,647	2.96	0	0
RDN25	2523	A	313	1,496,002	115	1,530,045	293	1,370,868	77	1,346,647	3.17	0	0
RDN25	2530	G	192	1,496,002	132	1,530,045	235	1,370,868	143	1,346,647	1.55	1.13E-08	2.39E-08
RDN25	2531	C	754	1,496,002	277	1,530,045	457	1,370,868	301	1,346,647	2.10	0	0
RDN25	2539	C	3,232	1,496,002	2,024	1,530,045	3,338	1,370,868	2,228	1,346,647	1.55	0	0
RDN25	2554	A	339	1,496,002	222	1,530,045	346	1,370,868	152	1,346,647	1.84	0	0
RDN25	2556	C	2,424	1,496,002	737	1,530,045	1,435	1,370,868	788	1,346,647	2.54	0	0
RDN25	2557	A	1,685	1,496,002	960	1,530,045	1,304	1,370,868	745	1,346,647	1.76	0	0
RDN25	2562	A	109	1,496,002	33	1,530,045	91	1,370,868	68	1,346,647	1.98	1.52E-08	3.18E-08
RDN25	2569	A	3,909	1,496,002	810	1,530,045	2,220	1,370,868	571	1,346,647	4.47	0	0
RDN25	2580	A	1,710	1,496,002	757	1,530,045	872	1,370,868	583	1,346,647	1.94	0	0
RDN25	2638	C	863	1,496,002	79	1,530,045	792	1,370,868	89	1,346,647	9.87	0	0
RDN25	2640	A	1,277	1,496,002	668	1,530,045	637	1,370,868	289	1,346,647	2.02	0	0
RDN25	2667	A	2,314	1,496,002	407	1,530,045	1,687	1,370,868	445	1,346,647	4.71	0	0
RDN25	2671	A	88	1,496,002	63	1,530,045	66	1,370,868	39	1,346,647	1.52	0.001215	0.001719
RDN25	2675	C	2,867	1,496,002	702	1,530,045	1,849	1,370,868	622	1,346,647	3.58	0	0
RDN25	2678	A	1,150	1,496,002	271	1,530,045	1,039	1,370,868	307	1,346,647	3.80	0	0
RDN25	2679	A	1,697	1,496,002	772	1,530,045	1,440	1,370,868	686	1,346,647	2.16	0	0
RDN25	2680	A	9,589	1,496,002	827	1,530,045	8,476	1,370,868	681	1,346,647	12.03	0	0
RDN25	2683	T	282	1,496,002	173	1,530,045	378	1,370,868	257	1,346,647	1.53	4.53E-12	1.19E-11
RDN25	2689	A	781	1,496,002	77	1,530,045	671	1,370,868	52	1,346,647	11.31	0	0
RDN25	2702	A	1,185	1,496,002	318	1,530,045	573	1,370,868	379	1,346,647	2.54	0	0
RDN25	2720	G	811	1,496,002	461	1,530,045	586	1,370,868	377	1,346,647	1.68	0	0
RDN25	2764	C	823	1,496,002	58	1,530,045	697	1,370,868	46	1,346,647	14.68	0	0
RDN25	2769	A	117	1,496,002	71	1,530,045	119	1,370,868	81	1,346,647	1.56	2.33E-05	3.82E-05
RDN25	2770	G	361	1,496,002	235	1,530,045	295	1,370,868	167	1,346,647	1.64	3.89E-15	1.21E-14
RDN25	2772	C	300	1,496,002	27	1,530,045	200	1,370,868	46	1,346,647	6.86	0	0
RDN25	2787	G	207	1,496,002	171	1,530,045	343	1,370,868	143	1,346,647	1.75	1.33E-15	4.23E-15
RDN25	2821	C	541	1,496,002	94	1,530,045	605	1,370,868	448	1,346,647	2.10	0	0
RDN25	2838	A	970	1,496,002	123	1,530,045	1,134	1,370,868	232	1,346,647	5.92	0	0
RDN25	2847	A	2,211	1,496,002	205	1,530,045	2,299	1,370,868	311	1,346,647	8.74	0	0
RDN25	2872	A	242	1,496,002	115	1,530,045	557	1,370,868	369	1,346,647	1.64	0	0
RDN25	2946	A	18,519	1,496,002	223	1,530,045	19,583	1,370,868	268	1,346,647	77.69	0	0
RDN25	2947	G	456	1,496,002	188	1,530,045	475	1,370,868	246	1,346,647	2.15	0	0
RDN25	2971	A	49	1,496,002	29	1,530,045	46	1,370,868	29	1,346,647	1.64	0.003418	0.004646
RDN25	3003	G	113	1,496,002	75	1,530,045	141	1,370,868	63	1,346,647	1.84	5.77E-09	1.25E-08
RDN25	3006	A	21,992	1,496,002	652	1,530,045	12,557	1,370,868	398	1,346,647	33.15	0	0
RDN25	3007	T	310	1,496,002	100	1,530,045	159	1,370,868	78	1,346,647	2.65	0	0
RDN25	3021	A	272	1,496,002	123	1,530,045	358	1,370,868	145	1,346,647	2.35	0	0
RDN25	3022	G	690	1,496,002	331	1,530,045	708	1,370,868	453	1,346,647	1.78	0	0
RDN25	3027	A	173	1,496,002	74	1,530,045	233	1,370,868	137	1,346,647	1.92	6.77E-15	2.08E-14
RDN25	3072	C	1,040	1,496,002	213	1,530,045	1,089	1,370,868	344	1,346,647	3.82	0	0
RDN25	3074	G	186	1,496,002	110	1,530,045	305	1,370,868	173	1,346,647	1.73	1.29E-13	3.69E-13
RDN25	3114	A	251	1,496,002	136	1,530,045	263	1,370,868	123	1,346,647	1.99	0	0
RDN25	3117	C	483	1,496,002	82	1,530,045	354	1,370,868	134	1,346,647	3.88	0	0
RDN25	3141	A	8,984	1,496,002	1,093	1,530,045	5,317	1,370,868	650	1,346,647	8.27	0	0
RDN25	3142	A	187	1,496,002	82	1,530,045	180	1,370,868	81	1,346,647	2.26	0	0
RDN25	3143	C	272	1,496,002	122	1,530,045	232	1,370,868	166	1,346,647	1.75	1.71E-14	5.13E-14
RDN25	3146	G	141	1,496,002	55	1,530,045	154	1,370,868	66	1,346,647	2.44	0	0
RDN25	3152	T	1,360	1,496,002	635	1,530,045	945	1,370,868	659	1,346,647	1.79	0	0
RDN25	3170	A	1,335	1,496,002	612	1,530,045	749	1,370,868	287	1,346,647	2.34	0	0
RDN25	3174	A	471	1,496,002	174	1,530,045	453	1,370,868	202	1,346,647	2.46	0	0
RDN25	3180	A	116	1,496,002	65	1,530,045	139	1,370,868	96	1,346,647	1.58	5.19E-06	9.00E-06
RDN25	3181	C	374	1,496,002	74	1,530,045	300	1,370,868	80	1,346,647	4.39	0	0
RDN25	3183	A	2,767	1,496,002	888	1,530,045	1,668	1,370,868	622	1,346,647	2.96	0	0
RDN25	3188	G	328	1,496,002	143	1,530,045	447	1,370,868	175	1,346,647	2.44	0	0
RDN25	3199	G	244	1,496,002	141	1,530,045	317	1,370,868	151	1,346,647	1.92	0	0
RDN25	3202	G	2,714	1,496,002	1,482	1,530,045	1,996	1,370,868	806	1,346,647	2.07	0	0
RDN25	3205	G	295	1,496,002	128	1,530,045	311	1,370,868	162	1,346,647	2.09	0	0
RDN25	3209	A	2,219	1,496,002	763	1,530,045	1,681	1,370,868	614	1,346,647	2.85	0	0
RDN25	3218	A	138	1,496,002	70	1,530,045	201	1,370,868	69	1,346,647	2.44	0	0
RDN25	3226	A	4,415	1,496,002	2,141	1,530,045	2,639	1,370,868	1,465	1,346,647	1.97	0	0
RDN25	3228	C	133	1,496,002	72	1,530,045	125	1,370,868	75	1,346,647	1.76	3.97E-08	8.07E-08
RDN25	3239	G	241	1,496,002	114	1,530,045	248	1,370,868	105	1,346,647	2.24	0	0
RDN25	3244	A	503	1,496,002	354	1,530,045	676	1,370,868	330	1,346,647	1.73	0	0
RDN25	3245	A	1,527	1,496,002	104	1,530,045	1,677	1,370,868	93	1,346,647	16.30	0	0
RDN25	3254	G	932	1,496,002	415	1,530,045	846	1,370,868	296	1,346,647	2.51	0	0
RDN25	3268	A	4,105	1,496,002	1,350	1,530,045	2,142	1,370,868	635	1,346,647	3.18	0	0
RDN25	3305	A	994	1,496,002	428	1,530,045	817	1,370,868	384	1,346,647	2.24	0	0
RDN25	3316	A	394	1,496,002	194	1,530,045	571	1,370,868	235	1,346,647	2.25	0	0
RDN25	3318	G	398	1,496,002	222	1,530,045	593	1,370,868	297	1,346,647	1.91	0	0
RDN25	3335	A	857	1,496,002	177	1,530,045	1,399	1,370,868	624	1,346,647	2.80	0	0
RDN25	3336	A	4,536	1,496,002	296	1,							

SCR1	37	G	15	6,047	0	3,646	15	5,358	3	4,458	5.51	0.0007282	0.008639
SCR1	59	A	66	6,047	23	3,646	96	5,358	34	4,458	2.08	1.78E-06	5.17E-05
SCR1	101	A	89	6,047	1	3,646	121	5,358	17	4,458	8.94	0	0
SCR1	112	C	131	6,047	17	3,646	116	5,358	40	4,458	3.14	1.22E-15	9.11E-14
SCR1	145	G	21	6,047	4	3,646	30	5,358	9	4,458	2.91	0.0005631	0.00717
SCR1	214	G	9	6,047	1	3,646	15	5,358	1	4,458	8.72	0.0006949	0.008435
SCR1	225	A	71	6,047	20	3,646	66	5,358	19	4,458	2.48	3.45E-07	1.29E-05
SCR1	227	A	74	6,047	25	3,646	69	5,358	20	4,458	2.23	1.96E-06	5.38E-05
SCR1	236	A	62	6,047	12	3,646	44	5,358	8	4,458	3.65	2.00E-08	9.50E-07
SCR1	273	A	212	6,047	13	3,646	220	5,358	24	4,458	8.47	0	0
SCR1	310	G	28	6,047	6	3,646	20	5,358	8	4,458	2.42	0.004445	0.03413
SCR1	364	A	361	6,047	23	3,646	214	5,358	8	4,458	12.49	0	0
SCR1	400	A	100	6,047	7	3,646	49	5,358	6	4,458	7.83	1.11E-16	9.66E-15
SCR1	402	A	725	6,047	43	3,646	209	5,358	28	4,458	8.68	0	0
SCR1	405	A	16	6,047	0	3,646	6	5,358	0	4,458	7.47	0.003132	0.02555
SCR1	406	G	53	6,047	18	3,646	34	5,358	13	4,458	1.93	0.001923	0.01761
SCR1	413	A	212	6,047	23	3,646	80	5,358	9	4,458	6.03	0	0
SCR1	417	G	37	6,047	12	3,646	16	5,358	4	4,458	2.19	0.006712	0.04734
SCR1	421	A	21	6,047	0	3,646	4	5,358	1	4,458	8.30	0.001487	0.01465
SCR1	448	G	17	6,047	0	3,646	23	5,358	3	4,458	7.45	1.67E-05	0.0003623
SCR1	475	A	176	6,047	44	3,646	10	5,358	3	4,458	2.43	3.61E-08	1.45E-06
snR10	13	A	14	396	0	285	23	367	1	288	13.96	4.90E-06	0.001199
snR10	106	A	16	396	0	285	10	367	1	288	9.71	0.0003502	0.0429
snR11	104	A	28	542	5	388	18	505	4	356	3.63	0.0003146	0.02706
snR11	172	A	31	542	4	388	22	505	2	356	6.29	2.66E-06	0.0003436
snR11	174	A	37	542	4	388	24	505	3	356	6.20	4.97E-07	0.0001283
snR128	68	A	32	153	11	99	44	234	7	187	3.07	3.02E-05	0.003804
snR17a	230	A	21	950	0	870	34	703	5	554	7.58	6.51E-08	3.19E-05
snR17a	273	A	13	950	0	870	18	703	0	554	13.08	1.25E-05	0.001525
snR17a	285	A	20	950	6	870	16	703	1	554	4.50	0.0001603	0.01309
snR17a	286	A	25	950	3	870	14	703	0	554	8.53	2.51E-06	0.0006146
snR17a	339	A	27	950	3	870	5	703	2	554	5.61	9.79E-05	0.009598
snR17a	340	A	33	950	4	870	10	703	3	554	5.35	7.86E-06	0.001284
snR17a	364	A	20	950	3	870	7	703	0	554	5.95	0.0003345	0.02049
snR190	13	A	28	584	7	519	19	518	0	376	4.95	1.15E-05	0.0007308
snR190	23	C	27	584	8	519	15	518	2	376	3.53	0.000306	0.01454
snR190	31	C	45	584	8	519	13	518	5	376	3.72	9.47E-06	0.0008992
snR190	44	A	40	584	1	519	19	518	0	376	24.10	1.64E-10	3.12E-08
snR3	21	A	21	225	0	158	22	279	4	209	6.29	2.68E-05	0.005199
snR3	126	A	9	225	1	158	17	279	1	209	9.47	0.0004385	0.04253
snR30	98	A	37	1,637	2	1,141	18	1,437	4	1,207	6.97	4.64E-07	7.03E-05
snR30	152	A	19	1,637	1	1,141	15	1,437	3	1,207	6.60	9.69E-05	0.007342
snR30	196	A	33	1,637	7	1,141	23	1,437	3	1,207	4.18	1.05E-05	0.001267
snR30	201	A	49	1,637	8	1,141	29	1,437	4	1,207	4.85	3.79E-08	1.15E-05
snR30	254	G	31	1,637	3	1,141	19	1,437	1	1,207	9.27	3.44E-07	6.94E-05
snR30	290	A	35	1,637	14	1,141	21	1,437	2	1,207	2.57	0.0007975	0.04393
snR30	504	G	26	1,637	5	1,141	27	1,437	5	1,207	4.06	2.03E-05	0.002047
snR30	546	A	18	1,637	0	1,141	17	1,437	2	1,207	9.04	2.25E-05	0.001946
snR30	547	A	36	1,637	1	1,141	36	1,437	7	1,207	7.11	3.51E-09	2.13E-06
snR37	332	A	29	379	4	445	34	487	8	466	5.45	4.92E-09	1.90E-06
snR40	13	A	7	29	1	78	6	68	2	94	7.67	0.0004984	0.04835
snR42	257	A	31	471	4	339	11	278	0	147	5.63	9.60E-05	0.03368
snR52	26	A	36	261	13	260	25	162	3	132	3.57	7.48E-06	0.0006882
snR73	33	A	29	69	0	66	17	41	0	27	18.93	2.64E-07	2.80E-05
snR80	89	A	12	169	0	217	7	198	1	161	9.97	0.000299	0.02557
td(GUC)G1	4	G	8	231	7	356	35	619	12	712	2.83	0.0002184	0.007862
td(GUC)G1	20	C	15	231	9	356	111	619	36	712	3.37	3.59E-12	2.59E-10
td(GUC)J1	17	G	11	256	3	398	27	661	12	734	3.05	0.0002226	0.005342
tE(CUC)I	18	G	6	675	12	1,140	78	1,802	88	3,550	1.63	0.001426	0.02053
tE(CUC)I	19	C	47	675	41	1,140	227	1,802	266	3,550	1.72	4.31E-10	3.10E-08
tE(CUC)I	26	A	21	675	5	1,140	7	1,802	9	3,550	3.63	7.37E-05	0.001327
tE(UUC)M	19	C	22	431	10	920	50	870	43	1,643	2.64	7.18E-08	5.17E-06
tG(CCC)D	17	G	17	251	14	506	45	868	37	1,639	2.34	9.72E-06	0.0006995
tG(UCC)G	17	G	9	426	25	754	111	2,203	119	4,846	1.78	4.79E-06	0.0003447
tL(UAA)K	39	A	139	1,101	31	1,719	7	611	5	1,166	6.44	0	0
tP(AGG)C	18	G	5	70	5	165	31	488	42	1,583	2.39	0.0001365	0.009831
tS(AGA)D1	22	A	4	1,674	1	3,384	9	3,223	5	9,192	5.73	0.0002193	0.005994
tS(AGA)D1	30	G	27	1,674	34	3,384	50	3,223	82	9,192	1.69	0.0004479	0.009183
tS(AGA)D1	31	A	46	1,674	30	3,384	51	3,223	79	9,192	2.25	8.37E-09	6.87E-07
tS(AGA)D2	17	G	5	492	7	1,004	26	1,024	19	2,899	3.11	1.33E-05	0.001087
tW(CCA)K	40	A	12	126	5	139	13	190	2	231	4.12	0.0008621	0.04569
YDR278C	59	C	12	631	8	1,367	81	2,080	83	3,973	1.98	4.76E-06	0.001514
YDR278C	66	A	19	631	10	1,367	4	2,080	2	3,973	4.06	5.25E-05	0.008344
YGL088W	163	A	14	429	0	422	23	413	1	376	17.40	2.21E-07	4.05E-05
YGL088W	256	A	16	429	0	422	10	413	1	376	12.35	2.88E-05	0.00351
YGR192C	487	A	10	900	2	1,086	11	1,530	1	2,027	8.79	4.94E-05	0.04938
YLR110C	109	A	14	659	1	705	23	870	14	1,144	3.12	0.0002375	0.04774
YLR110C	197	C	11	659	1	705	16	870	7	1,144	4.22	0.0002727	0.03654
YLR110C	330	C	16	659	1	705	9	870	4	1,144	6.04	0.0001016	0.04084
YLR154C-G	9	A	425	11,939	41	10,732	638	17,049	57	17,173	10.43	0	0
YLR154C-G	11	G	680	11,939	397	10,732	828	17,049	549	17,173	1.53	0	0
YLR154C-G	36	A	738	11,939	382	10,732	897	17,049	439	17,173	1.91	0	0
YLR154C-G	57	A	1,633	11,939	422	10,732	1,652	17,049	572	17,173	3.16	0	0
YLR154C-G	84	A	494	11,939	124	10,732	477	17,049	239	17,173	2.56	0	0
YLR154C-G	94	A	576	11,939	103	10,732	1,046	17,049	308	17,173	3.84	0	0