

**Table 3. Members of GalSINE3 family**

Rank	Location	Strand	SW score	Size	Consensus start	Consensus end
1	chr1:153559732-153559984	-	865	253	79	335
2	chr2:86373971-86374233	+	690	263	45	324
3	chr1:31190942-31191162	+	690	221	63	287
4	chr3:93742939-93743205	-	665	267	49	292
5	chr5:2131646-2131818	+	590	173	164	335
6	chr2:105966079-105966290	+	585	212	124	339
7	chr4:76706344-76706629	+	540	286	49	340
8	chr6:32001439-32001601	+	535	163	175	339
9	chr1:6733353-6733578	+	520	226	96	333
10	chr7:201096-201239	-	515	144	163	316
11	chr18:8369607-8369789	-	510	183	152	336
12	chr5:5295148-5295307	-	510	160	157	317
13	chr1:22301395-22301537	+	485	143	188	334
14	chr8:5961461-5961615	-	485	155	176	338
15	chr8:26461842-26462022	+	485	181	157	339
16	chr1:52160307-52160450	+	485	144	189	340
17	chr12:13944535-13944673	+	480	139	199	340
18	chr10:17196788-17196951	+	445	164	178	336
19	chr8:15929881-15930053	-	445	173	165	329
20	chr1:60226821-60226981	-	445	161	121	282
21	chr3:94095561-94095685	+	440	125	178	307
22	chr2:137306599-137306762	+	440	164	187	336
23	chr2:143078532-143078658	+	435	127	58	181
24	chr7:9125257-9125400	-	425	144	196	340
25	chr2:27281973-27282118	+	425	146	192	340
26	chr4:3525659-3525798	-	425	140	157	289
27	chr8:27424125-27424316	-	415	192	26	225

28	chr13:4234329-4234466	+	415	138	166	312
29	chr7:34133449-34133592	+	410	144	190	336
30	chr10:11756508-11756655	-	410	148	165	316
31	chr1:159324355- 159324468	-	400	114	219	334
32	chr1:4657910-4658070	-	395	161	163	334
33	chr6:16328480-16328629	+	390	150	164	317
34	chr24:914297-914437	-	390	141	160	336
35	chr8:26196037-26196154	-	390	118	215	336
36	chr14:4117768-4117958	-	390	191	147	340
37	chr2:134114760- 134114895	-	390	136	146	283
38	chr4:28178254-28178337	-	380	84	250	333
39	chr2:31975018-31975167	-	375	150	49	198
40	chr1:95263331-95263473	-	375	143	189	336
41	chr4:29803565-29803657	+	370	93	250	339
42	chr1:85674063-85674143	+	370	81	254	335
43	chr2:121630782- 121630927	+	370	146	164	309
44	chr1:19246393-19246465	-	370	73	242	315
45	chr5:47979999-47980133	-	365	135	164	301
46	chr3:101318301- 101318391	-	365	91	191	283
47	chr1:76946793-76946888	+	360	96	245	340
48	chr5:44208740-44208818	+	360	79	240	317
49	chr2:38557138-38557201	-	360	64	232	295
50	chr7:21017942-21018084	+	360	143	165	308
51	chr6:29821890-29822033	+	360	144	193	340
52	chr1:136702479- 136702637	-	355	159	188	340
53	chr6:7848755-7848852	-	355	98	241	340
54	chr3:8687997-8688229	+	355	233	52	289
55	chr1:1600254-1600352	-	355	99	159	262
56	chr11:8766805-8766975	-	355	171	168	340
57	chr6:13424529-13424670	-	355	142	189	340
58	chr4:2015931-2016022	+	350	92	247	338

59	chr3:24617281-24617362	+	350	82	258	339
60	chr5:22251165-22251367	-	350	203	56	259
61	chr7:4374392-4374487	-	350	96	193	300
62	chr6:2583480-2583571	+	345	92	244	332
63	chr2:144872621- 144872761	-	345	141	44	182
64	chrZ:14827775-14827982	+	345	208	124	334
65	chr7:1770154-1770346	-	345	193	61	279
66	chr3:98916330-98916428	-	345	99	241	336
67	chr5:36881238-36881334	+	345	97	190	289
68	chr1:149690835- 149690988	-	340	154	53	213
69	chr2:92195207-92195310	-	340	104	233	336
70	chr1:89387971-89388118	-	340	148	191	336
71	chr4:78899238-78899308	+	340	71	271	340
72	chr5:36338278-36338339	-	340	62	230	291
73	chr13:2772636-2772718	+	340	83	196	281
74	chr8:7632619-7632706	-	340	88	241	328
75	chr1:16023311-16023481	+	335	171	154	328
76	chr2:133998031- 133998128	-	335	98	243	336
77	chr2:101866695- 101866798	+	335	104	191	297
78	chr2:20470135-20470393	+	335	259	60	335
79	chr11:9206490-9206580	+	335	91	226	317
80	chr1:4425863-4426078	-	335	216	122	327
81	chr10:5476386-5476576	-	330	191	132	336
82	chr4:75192457-75192593	+	330	137	188	318
83	chr4:2018471-2018521	-	330	51	244	294
84	chr12:4280840-4280916	-	330	77	211	285
85	chr2:32615775-32615863	-	330	89	163	251
86	chr6:14434432-14434518	-	330	87	250	336
87	chr4:10121166-10121273	+	330	108	235	339
88	chr2:133871671- 133871803	-	330	133	190	329
89	chr5:48441144-48441214	-	330	71	249	317

90	chr1:46020672-46020808	+	330	137	155	299
91	chr3:11393427-11393502	-	330	76	254	329
92	chr2:102683750- 102683881	+	325	132	164	299
93	chr2:118843720- 118843848	-	325	129	189	317
94	chr10:7416659-7416768	-	325	110	229	335
95	chr13:14952239-14952381	-	325	143	164	315
96	chr4:88092028-88092301	+	325	274	57	340
97	chr1:88928344-88928441	-	325	98	193	295
98	chr3:92811538-92811677	+	320	140	190	334
99	chr3:16640313-16640395	-	320	83	247	329
100	chr3:83024573-83024726	-	320	154	175	335
101	chr20:13249184-13249425	-	320	242	77	329
102	chr9:17420839-17420926	-	320	88	244	331
103	chr3:26285834-26285885	+	320	52	240	291
104	chr5:44206134-44206284	+	320	151	58	208
105	chr3:72335024-72335152	+	320	129	206	339
106	chr1:92362603-92362850	-	315	248	74	330
107	chr4:81626531-81626791	-	315	261	78	338
108	chr3:51706056-51706151	+	315	96	245	340
109	chr7:21147067-21147202	-	315	136	193	335
110	chr1:45177177-45177252	-	315	76	242	315
111	chr6:21038748-21038942	-	315	195	112	327
112	chr2:41584079-41584185	-	315	107	43	152
113	chr5:36881507-36881606	-	315	100	233	331
114	chr3:22258952-22259041	-	315	90	201	293
115	chr4:90235278-90235378	-	315	101	238	340
116	chr1:1925357-1925529	+	310	173	164	336
117	chr5:43608829-43608989	+	310	161	178	340
118	chr20:10771432-10771527	+	310	96	193	306
119	chrZ:4957086-4957190	+	310	105	67	184
120	chr2:139815067- 139815145	+	310	79	233	312
121	chr8:18063075-18063183	-	310	109	229	340

122	chr7:11712377-11712513	-	310	137	163	303
123	chr1:40679340-40679605	-	310	266	57	333
124	chr2:7825023-7825085	-	310	63	244	307
125	chr4:80379449-80379615	+	310	167	154	328
126	chr3:58144268-58144322	-	310	55	247	301
127	chr2:107209203- 107209291	-	310	89	134	220
128	chr1:97699349-97699552	+	305	204	134	340
129	chr10:16247557-16247828	+	305	272	56	340
130	chr22:543872-544008	+	305	137	201	338
131	chr5:21584859-21584953	+	305	95	202	299
132	chr10:16251826-16252097	+	305	272	56	340
133	chr4:74164028-74164111	-	300	84	231	315
134	chr1:67136491-67136575	-	300	85	247	332
135	chr1:161718675- 161718778	-	300	104	202	308
136	chr7:34704354-34704436	+	300	83	247	334
137	chr7:34409949-34410022	-	300	74	242	315
138	chr9:6077452-6077603	+	300	152	165	326
139	chr1:47217959-47218030	-	300	72	62	140
140	chr3:53280470-53280541	+	300	72	247	318
141	chr1:124675263- 124675371	+	300	109	232	335
142	chr20:7135464-7135584	+	300	121	221	340
143	chr1:12840701-12840839	+	300	139	164	308
144	chr2:49707359-49707448	-	300	90	246	335
145	chr1:137319622- 137319720	-	300	99	212	311
146	chr4:52769490-52769531	-	300	42	190	231
147	chr1:183474402- 183474521	-	295	120	194	316
148	chr2:107246646- 107246883	-	295	238	45	283
149	chr11:5130737-5130919	+	295	183	126	338
150	chr7:27756417-27756515	-	295	99	221	327

151	chr2:107059994-107060168	+	295	175	149	335
152	chr4:70405362-70405441	-	295	80	261	338
153	chr12:10027526-10027628	+	295	103	164	271
154	chrZ:339884-339990	+	290	107	70	176
155	chr5:38122752-38122858	+	290	107	236	340
156	chr3:60463227-60463289	+	290	63	245	307
157	chr2:143655961-143656113	+	290	153	58	215
158	chr2:107207460-107207548	-	290	89	134	220
159	chr3:1162733-1162791	+	290	59	163	221
160	chr3:68106875-68107068	-	290	194	127	337
161	chr13:1896882-1896932	-	290	51	249	300
162	chr3:23354179-23354353	-	290	175	154	328
163	chr6:11855873-11855945	-	290	73	249	322
164	chr10:4987567-4987645	-	290	79	238	316
165	chr6:16489700-16489785	+	290	86	206	294
166	chr24:2222133-2222205	-	290	73	246	318
167	chr12:9736790-9736864	-	290	75	249	323
168	chr5:25295520-25295595	+	290	76	235	309
169	chr3:27462744-27462917	+	285	174	164	340
170	chr4:27916460-27916608	+	285	149	190	340
171	chr1:81139936-81140001	+	285	66	204	278
172	chr5:17303921-17304091	-	285	171	161	335
173	chr6:17387443-17387526	-	285	84	198	283
174	chr3:97966485-97966581	-	285	97	201	303
175	chr5:32713640-32713736	-	280	97	204	295
176	chr18:8236248-8236342	-	280	95	11	105
177	chr3:15245355-15245452	-	280	98	231	330
178	chr1:162702983-162703066	+	280	84	233	317
179	chr10:10462693-10462840	+	280	148	164	328
180	chr4:74237414-74237482	-	280	69	163	226
181	chr14:16289094-16289157	+	280	64	240	304

182	chr3:106511023-106511098	+	280	76	249	324
183	chr1:101454727-101454818	-	280	92	244	336
184	chr3:63393754-63393850	-	280	97	228	319
185	chr1:155264982-155265037	+	280	56	243	299
186	chr8:24852377-24852450	+	275	74	249	334
187	chr1:50834452-50834546	+	275	95	162	258
188	chr7:23696440-23696572	-	275	133	192	331
189	chr3:15645872-15646107	-	275	236	51	294
190	chr13:9807399-9807593	+	275	195	26	227
191	chr5:39516801-39516868	+	275	68	271	336
192	chr8:26397454-26397544	-	275	91	243	330
193	chr18:8025114-8025231	-	275	118	191	322
194	chr3:49898360-49898458	-	275	99	210	312
195	chr8:15787095-15787230	+	275	136	181	330
196	chrW:2028976-2029084	-	270	109	217	335
197	chr1:45997196-45997230	-	270	35	258	292
198	chr5:16847794-16847915	-	270	122	201	324
199	chr12:8115757-8116010	-	270	254	64	307
200	chr6:12266069-12266162	-	270	94	220	316
201	chr11:17677702-17677758	-	270	57	230	286
202	chr11:9670495-9670657	-	270	163	104	267
203	chr3:99286722-99286797	+	270	76	243	317
204	chr2:134345321-134345453	-	270	133	80	215
205	chr2:58876155-58876213	-	270	59	277	336
206	chr2:2719199-2719293	-	270	95	234	328
207	chr4:5546820-5546893	+	270	74	247	320
208	chr2:31652494-31652612	+	265	119	226	340
209	chr3:102047783-102047878	-	265	96	65	161
210	chr1:99961709-99961881	+	265	173	52	234
211	chr2:83608393-83608496	-	265	104	110	214
212	chr1:23300312-23300399	+	265	88	205	294

213	chr3:79748581-79748722	-	265	142	172	316
214	chr1:6195290-6195345	+	260	56	262	317
215	chr3:104087784- 104087883	+	260	100	233	340
216	chr3:55462144-55462331	-	260	188	69	290
217	chr9:6429610-6429661	-	260	52	56	107
218	chr11:16981280-16981401	-	260	122	58	196
219	chr7:4423260-4423323	+	260	64	52	115
220	chr10:8093188-8093245	-	260	58	50	107
221	chr2:4243478-4243560	+	260	83	153	234
222	chr14:4808817-4808915	-	260	99	235	333
223	chr21:3406650-3406718	-	260	69	265	340
224	chr12:15917832-15917895	-	260	64	228	291
225	chr10:13632011-13632184	-	260	174	57	241
226	chr3:9402438-9402507	-	260	70	259	328
227	chr4:12870047-12870113	+	260	67	79	145
228	chr1:127473783- 127473846	-	260	64	229	292
229	chr1:100616178- 100616251	+	260	74	248	322
230	chr11:4583512-4583561	+	260	50	163	213
231	chr7:21018024-21018084	+	260	61	249	308
232	chr18:2297475-2297595	-	260	121	201	319
233	chr1:6171204-6171259	+	260	56	262	317