

Pham 163233

1: Mao1_6	34	83	80	114	188	187	201	212	286	240	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
2: Mask_7	34	83	80	114	188	187	201	212	286	240	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
3: Sejanus_11+	73	88	86	109	131	169	201	212	286	240	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
4: Ranunculus_11+	81	81	86	111	131	161	201	212	286	240	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
5: Tank_17+1	81	81	86	111	131	161	201	212	286	240	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
6: Rizwana_16	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
7: MellowYellow_18	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
8: Odyssey395	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
9: Beagle_23	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
10: BrunMomen	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
11: AWGoat_17	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
12: SilentRX_23	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
13: Struggle_22	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
14: Virgeve_163	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
15: Seir12_8	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
16: Fozzie_8	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
17: Eugenia_6	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
18: Swish_8	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
19: LeiMonet_10	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
20: Schadenfreude_8	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
21: Hocus_8	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
22: Windsor_2	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
23: Carthage	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
24: Keithere	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
25: Gwilliam_11	88	88	88	109	131	141	169	201	212	286	240	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
26: Rimu_8	103	103	103	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
27: Imvubu_8	103	103	103	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
28: Indiovu_8	97	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
29: LilMcDreary_10	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
30: Zentend_13	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
31: BirdsNest_12	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
32: Hashim_13	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
33: Boyle_12	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
34: Atöter_12	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
35: Kneth_12	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
36: ItsyBitsy_12	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
37: TATTA_12	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
38: Laurie_12	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
39: Yinz_11	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
40: GlenHoppe_12	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
41: RagingRogue_11	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
42: Pipelish_11	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
43: JAimaL_8	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
44: Apex_8	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
45: Fortunato_8	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
46: violetZ_9	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
47: Cooper_8	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
48: Stinger_7	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
49: Nigel_7	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618
50: Prince_10	111	111	111	121	141	170	192	215	230	244	284	287	300	318	226	340	340	386	404	409	530	558	556	570	584	618

I01: Aris_13	11	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400
I02: Vairy_23	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I03: Nura_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I04: Bakery_13	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I05: VanDeWege_13	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I06: Clown_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I07: YorkOnyx_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I08: Rom_12+3	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I09: Silk_13+1	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I10: Charming_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I11: Bizzy_13+1	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I12: Love_14	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I13: Fosterous_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I14: TyNo_12+1	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I15: Kross_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I16: Dery_10	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I17: RiverRaider_14	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I18: Kamashten_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I19: Bakndotcom_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I20: Bakten_13+4	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I21: MontowerMama_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I22: JafVerwocky_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I23: Sibus_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I24: Alice_12+1	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I25: Shikamisho_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I26: Bakdon_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I27: Alissa_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I28: JKLyngbo_12	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I29: MckKee_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I30: MckKee_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I31: Leq_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I32: Eln_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I33: Hank_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I34: Dextert_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I35: Kwak_13	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I36: Haxbell_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I37: G1_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I38: Verry_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I39: Soko_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I40: Taurus_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I41: APink_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I42: Ziggy_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I43: Ziggy_14	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I44: Linears_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I45: Phenix_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I46: Godom_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I47: Wooper_10	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I48: Evaa_9	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I49: Shatter_16	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410
I50: BigglyBass_17	12	98	101	113	124	153	188	233	242	258	270	335	335	342	355	355	392	400	410

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201: Wilca_21 + 1	150	161	170	200	242	262	271	285	314	326	334	355	391	419	448	534	545	561	577	588	608		
202: Squash_24 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
203: Pepe25_21 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
204: Fransoyer_136 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
205: BabyDotz_43 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
206: Blab_20 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
207: AluminumJesus_20	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
208: SadLad_23 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
209: Aitneas_24 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
210: Fizzles_22 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
211: Zhaña_25 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
212: Marcie_26 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
213: Phinky_28 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
214: Sally_23 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
215: Margery_19 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
216: Crestida_19 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
217: Matz_13 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
218: Kozik_14 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
219: Memantou_19 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
220: Cinn_12 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
221: Tenji_13 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
222: Taira_18 + 80	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
223: Atuin_7 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
224: Patbob_165 + 2	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
225: Racecar_17 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
226: SJReid_31 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
227: Dunnegar_Sol_16 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
228: PauloDiakoli_21 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
229: Zboman_17 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
230: Big4_71 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
231: Cace_66 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
232: Pumpe_Schke_630 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
233: Tapic_13 + 2	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
234: Argie_13 + 2	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
235: PR_06 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
236: RomansRevenge_13 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
237: piAsp_17 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
238: Tonitrus_13 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
239: Pine_11 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
240: Fuzzbuster_24 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
241: StAugustine_13 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
242: TPA2_11 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608
243: TurkishDelight_11 + 1	150	170	200	234	248	253	263	271	276	288	314	326	334	355	391	419	448	534	545	561	577	588	608

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 163233 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163233 has 714 members, 109 are drafts.

Phages represented in each track:

- Track 1 : Mao1_6
- Track 2 : Mask_7
- Track 3 : Sejanus_7, Dori_7
- Track 4 : Ranunculus_17
- Track 5 : Tank_17, Wilde_17
- Track 6 : Rizwana_16
- Track 7 : MellowYellow_18, Pointis_22
- Track 8 : Odyssey395_24, Pureglobe5_24
- Track 9 : Beagle_23
- Track 10 : BruhMoment_18
- Track 11 : AWGoat_17
- Track 12 : SilentRX_18
- Track 13 : Struggle_8, MelsMeow_8, Mag7_8, Veritas_8, MichaelPhcott_8, PhrankReynolds_8, Wallhey_8, CharlieGBrown_8, Labeouficaum_8, Phleuron_8, Oline_8, Derpp_8, PhenghisKhan_8, DuchessDung_8, Ashraf_8, BatteryCK_8, ImtiyazSitla_8, Pinkman_8, Maskar_8, TyrionL_8, Kailash_8, Kwksand96_8, Phergie_8
- Track 14 : Virgeve_8, Morty_8, Newman_8, Orion_8, HenryJackson_8, Weher20_8, Colbert_8, Childish_8, Yoshand_8, Skippy_8, Adriana_8, Kloppinator_8, Grand2040_8, Robyn_8, LemonSlice_8, Legolas_8, Puhltonio_8, Buckeye_8, Pops_8, DoesntMatter_8, ThreeOh3D2_8, Banjo_8, ProfessorX_8, DonSanchon_8, PhrodoBaggins_8, Riggan_8, Fringe_8, ShiVal_8, Matalotodo_8, Serendipity_8, Craff_8, True_8, Timmi_8, Surely_8, Kimbrough_8, Haimas_8, Oosterbaan_8, Simielle_8, Spartan300_8, Megatron_8, Aelin_8, Iridoclysis_8, Burr_8, DirtJuice_8, Mana_8, Valjean_8, Usavi_8, Thora_8, Eremos_8, Hetaeria_8, Inchworm_8, Cobra_8, Boehler_8, Placalicious_8, KingTut_8, Hamish_8, Vaishali24_8, FluffyNinja_8, Lulwa_8, Badfish_8, Gyarad_008, Xavier_8, TallGrassMM_8, RedMaple_8, Prickles_8, Lopsy_8, UncleHowie_8, Lasso_8, Squiggle_8, BlackStallion_8, EmpTee_8, Cosmolli16_8, Solosis_8, Potter_8, Fang_8, Sigman_8, AbsoluteMadLad_8, HSavage_8, LeeLot_8, Tooj_8, Altwerkus_8, Emiris_8, Freya_8, OliverWalter_8, Suffolk_8, KlimbOn_8, Nicole21_8, Andre_9, TomBombadil_8, ABU_8, Zaider_9, Kahve_8, YouGoGlencoco_8, MRabcd_8, IsaacEli_8, Mutante_8, Omniscient_8, Vista_8, Toni_8, QueenBeane_8, Scoot17C_8, Frankicide_8, Apizium_8, Virapocalypse_8, SassyCat97_8, FugateOSU_8, Piglet_008, Charles1_8, Mesh1_8, JangoPhett_8, Olak_8, Nyala_8, Antonia_8, FriarPreacher_8, LostAndPhound_8, Kikipoo_8, Lego3393_8, Beaglebox_8, HighStump_8, PG1_8, Vortex_8, Mulan_8, PinheadLarry_8, Mecca_8, Mosaic_8, Pherdinand_8,

Chorkpop_8, JacAttac_8, Phunky_8, Bluephacebaby_8, Gareth_8, Hertubise_8, Serpentine_008, Phamished_8, Samaymay_8, Nacho_008, CamL_8, Telesworld_8, Maru_8, Jillium_8, Magic8_8, Cannibal_8, Vaticameos_8, Podrick_8, Dati_8, UAch1_8, Waterdiva_8, Manad_8, Murdoc_8, Daka_8, Phareon_8, Cher_8, Morgushi_8, Zelda_8, Kwadwo_8, Squid_8, PhatCats2014_8, Slatt_8, Chah_8, Vivaldi_8, Mcshane_8, Numberten_8, Tomlarah_8, Pipsqueak_8

- Track 15 : Selr12_8, Gophee_8, Hartsy_8, LasagnaCat_8, CampRoach_8, Katniss_8, Dice_9, CheetO_8, Ricotta_8, Schueller_8, Cornobble_8
- Track 16 : Fozzie_8, Brilliant_8, Plmatters_8, Chunky_8, DaddyDaniels_8, KingVeVeVe_8, Lumine_8, Roliet_8, Melc17_8, Lulumae_8, MitKao_8, Roy17_8, Held_8, Crownjwl_9, Phipps_8, Longacauda_8, JakeO_8, Etaye_8, Soile_8, Durga_8, LuckyMarjie_8, Soto_8, Jiminy_8, Daffy_8, AltPhacts_8, Dione_8, Roscoe_9, KLucky39_8, GeneCoco_8, DelRivs_8, Zonia_8, Haleema_8, Scrick_8, OSmaximus_8, Duggie_8, Horchata_8, Giraffe_8, SDcharge11_8, Harvey_8, Sheila_8, Dingo_8, MiniBoss_8, PhatLouie_8, Mikota_8, Doddsville_8, BlueHusk_8
- Track 17 : Eugenia_9, Orwigg_9, Inverness_8, Bishoperium_8, Olive_8, Megamind20_9, Anderson_8
- Track 18 : Swish_8, Sophia_8
- Track 19 : LeiMonet_8, Basato_9, MrPhizzler_8, Swiphy_8, JDog_8, Pacifista_9, Coletti_8, Jiraiya_8, Thunderbird_8, Chute_8, Orfeu_8
- Track 20 : Schadenfreude_8
- Track 21 : Hocus_8
- Track 22 : Windsor_8, Trypo_8, Chaelin_8
- Track 23 : Carthage_8
- Track 24 : Keitherie_8
- Track 25 : Gwilliam_9, Quisquiliae_9
- Track 26 : Rimu_8
- Track 27 : Imvubu_5
- Track 28 : Indlovu_9
- Track 29 : LilMcDreamy_10
- Track 30 : Zenteno07_13
- Track 31 : BirdsNest_12
- Track 32 : Hashim76_13
- Track 33 : Boyle_12, Glass_12
- Track 34 : Arbiter_12
- Track 35 : Kheth_12, Ares_12, Eaglehorse_12, Lephleur_12, FrenchFry_12, Calamitous_12, Blocker23_12, LizLemon_12, Rhinoforte_12, Faze9_12, Lars_12, Kaleb_12, Brownie5_12, Rosebush_12, Tinciduntolum_13, West99_12, Qyrzula_12, Opia_12, Sabella_12, MasterPo_12, Bananafish_12, Hedgerow_12, Coffee_12
- Track 36 : ItsyBitsy1_12, Allegro_12, Phantasmagoria_12, Tres_12, Godines_12, Holeinone_12
- Track 37 : TA17A_12
- Track 38 : Laurie_12
- Track 39 : Yinz_11, Jackstina_10, Compostia_11, Neos5_11, Corofin_11, Chandler_11, Baloo_11, Halfpint_10, Daisy_11, Athena_12, RomaT_11, Nozo_11, ChaChing_11, Philly_10, Yahalom_11, Casbah_10, Kamiyu_11, OrangeOswald_11, Tydolla_11, Abinghost_11, Gadget_12, MmasiCarm_11, Devonte_11
- Track 40 : GlenHope_12, Audrey_11, HarveySr_11, Ben11_10, Briakila_11, Gervas_11, Rita1961_11, Phaedrus_10, Morty007_11, Heathcliff_11, Marley1013_11, Phlyer_11, SlippinJimmy_11, Phayeta_11
- Track 41 : RagingRooster_11, Deenasa_11, SynergyX_11
- Track 42 : Pipefish_11, Bernardo_11, Kronus_10, Mortcellus_10, Akoma_11, LestyG_11, Obutu_11

- Track 43 : JAMaL_8
- Track 44 : Apex_8, Mudslide_9
- Track 45 : Fortunato_9
- Track 46 : VioletZ_9, Heath_9
- Track 47 : Cooper_9
- Track 48 : Stinger_7
- Track 49 : Nigel_7
- Track 50 : Prince_10
- Track 51 : Lolalove_9, BobbyK_9, Hangman_9, Hydro_9, Zemanar_10
- Track 52 : AlanGrant_10, Vincenzo_10
- Track 53 : Magpie_9
- Track 54 : JaguarMi_10
- Track 55 : Frederick_9
- Track 56 : Poster_8, Nanao_8
- Track 57 : Mithril_9
- Track 58 : ChrisnMich_8
- Track 59 : Waleliano_9, BrownCNA_10
- Track 60 : Austelle_9
- Track 61 : RawrgerThat_9
- Track 62 : DigitDog_10, Nangang_10
- Track 63 : Rich_10
- Track 64 : Donny_10, SirJeffery_10, Suigeneris_10
- Track 65 : Mysterious_10
- Track 66 : Acadian_10
- Track 67 : Reprobate_10, Phelemich_10
- Track 68 : Bae_10
- Track 69 : Serendipitous_10
- Track 70 : EastView9101_10
- Track 71 : StinkyVeggy_11
- Track 72 : 40BC_07, 39HC_07
- Track 73 : KayaCho_7
- Track 74 : Hosp_05
- Track 75 : Jolie1_07
- Track 76 : Saguaro_11
- Track 77 : Thonko_7
- Track 78 : Quesadilla_11
- Track 79 : PenguinLover67_12
- Track 80 : Knocker_14
- Track 81 : Funsized_14
- Track 82 : CRB2_11
- Track 83 : Maih_10, BayC_10, Salete_10
- Track 84 : TP1604_10
- Track 85 : Mischief19_11
- Track 86 : Asis_10
- Track 87 : Xkcd426_11
- Track 88 : Abt2graduatex2_10
- Track 89 : YDN12_11
- Track 90 : RainyPolka_10
- Track 91 : BabyGotBac_10
- Track 92 : Clawz_41
- Track 93 : Soos_37, DonTron_41
- Track 94 : Sting_40

- Track 95 : Fugax_12, PinkCoffee_12, Mutzi_12, KimmyK_12, ClamChowder_12, Salvador_12, Twister6_12, Evamon_12, Barb_12, Togo_12, Danyall_12, SmokingBunny_12
- Track 96 : YungMoney_12
- Track 97 : Shinji_12, Jambalaya_12, TillyBobJoe_12, Savbucketdawg_12, Portcullis_12
- Track 98 : Halo3_13
- Track 99 : RogerDodger_13
- Track 100 : Fireball_13, Gezellig_12, Phlop_12, Wizard_12, PullumCavea_12
- Track 101 : Arri_13
- Track 102 : Valary_13
- Track 103 : Nubi_12
- Track 104 : Bakery_13
- Track 105 : VanDeWege_13
- Track 106 : Clown_16
- Track 107 : YorkOnyx_12
- Track 108 : Rofo_12, Bibwit_12, Nordenberg_7, Galadriel_14
- Track 109 : Sitar_13, Lennon_13
- Track 110 : Charming_10, Tangent_10, Paries_13, Brandonk123_15, BobBob_10
- Track 111 : Bizzy_13, LilHam_10, Saronaya_12, Kwobi_12, Gustavo_12, Ribeye_13, Ashertheman_12, SchottB_11
- Track 112 : Love_14
- Track 113 : Fosterous_10
- Track 114 : Tycho_12, Flatwoods_13
- Track 115 : Kroos_12
- Track 116 : Derg_10
- Track 117 : RiverRaider_14
- Track 118 : Kamashten_13, Thing3_13
- Track 119 : Baumdotcom_12, StorminNorm_12, Tangerine_12, Gaea_12
- Track 120 : Barsten_13, Vivi2_11, Sedona_13, ChadMasterC_12, Geodirt_12
- Track 121 : MoontowerMania_11
- Track 122 : Jabberwocky_11, Fitzgerald_11, Kewpiedoll_13, Sanjuju_11
- Track 123 : Stultus_12
- Track 124 : Ailee_12, Angelicage_12, Keitabear_13
- Track 125 : Shivanishola_12
- Track 126 : Baddon_12
- Track 127 : Affeca_12
- Track 128 : JKSyngboy_11
- Track 129 : McKinley_13
- Track 130 : MelBins_13
- Track 131 : Leonard_13, Inspectinfecti_14, Phinally_13, Ali17_11
- Track 132 : EMOore_7
- Track 133 : Hans_15, Phauci_6
- Track 134 : Dexdert_14
- Track 135 : Kwekel_13
- Track 136 : Tiamoceli_14, Chickadee_13, EdmundFerry_12, Twonlo_11, RoadKill_11
- Track 137 : GTE6_14
- Track 138 : Verity_14, Delrey21_14, DoctorFroggo_14
- Track 139 : Scioto_14, ViaConlectus_14, Abblin_14, Natkenzie_14, Sampson_14
- Track 140 : Tardus_14
- Track 141 : APunk_15
- Track 142 : Zitch_15

- Track 143 : Zipp_14
- Track 144 : Lilbeanie_13
- Track 145 : Phendrix_65
- Track 146 : GodonK_66
- Track 147 : Wooper_10
- Track 148 : Evaa_9
- Track 149 : Shatter_8, Ligma_8, Fresco_8
- Track 150 : BiggityBass_7
- Track 151 : Sisko_7, Yago84_7, AnClar_7
- Track 152 : CaiB_10
- Track 153 : MakoManhole_10
- Track 154 : NHagos_8
- Track 155 : CharlottesWeb_8, Mariokart_8
- Track 156 : LittleMunchkin_9
- Track 157 : CloverMinnie_10
- Track 158 : Sour_11
- Track 159 : Axumite_8
- Track 160 : MossRose_10
- Track 161 : AnarQue_10
- Track 162 : Mareelih_76, Boopy_77, BlueNGold_76, Forza_77
- Track 163 : Sixama_72
- Track 164 : GMA2_9
- Track 165 : Ramiel05_19, CrazyRich_19, Shotgun_19, Kowalski_19, Savannah_19
- Track 166 : LittleFortune_21, Phorgeous_19
- Track 167 : Jefe_20
- Track 168 : ClearAsMud_22
- Track 169 : Jayden_20
- Track 170 : NoodlelyBoi_19
- Track 171 : Megan_13
- Track 172 : KaiHaiDragon_20, EarickHC_20
- Track 173 : Phrancesco_21, Scumberland_21, Honeyfin_21
- Track 174 : Gina_20, Teamocil_20
- Track 175 : Ariadne_28
- Track 176 : Hermeonysus_19, Busephilis_20
- Track 177 : Ganandorf_19
- Track 178 : Yeti_20
- Track 179 : Cranjjs_21
- Track 180 : Jollipop_20
- Track 181 : Pulchra_21
- Track 182 : Paschalis_19, PierreOrion_20
- Track 183 : BrazzalePHS_19
- Track 184 : Smarties_28
- Track 185 : Quhwah_22
- Track 186 : Antares_20
- Track 187 : Tyumbra_18
- Track 188 : Piperis_20
- Track 189 : Crisis_21
- Track 190 : PiperSansNom_20
- Track 191 : Onika_19
- Track 192 : Selwyn23_21
- Track 193 : Fireman_20
- Track 194 : Nicole72_14
- Track 195 : Metamorphoo_20

- Track 196 : RobsFeet_21
- Track 197 : StrawberryJamm_24, Quammi_20, Zagie_22, Judebell_24, Lonelysoil_21, Wayne3_23, Rudy_20, Sillytadpoles_22, Phabia_22, Casend_23, Jehoshaphat_24, Viceroy_21, Llemily_22, Wheelie_21, DonaldDuck_22, Teehee_23, Tissue_22
- Track 198 : Tempo_21, Kelcole_20, Fregley_22, RobinRose_23, Romm_23
- Track 199 : Hyperion_21, Grassboy_23, Mashley_20, Kyva_24
- Track 200 : CandC_20, OneinaGillian_21
- Track 201 : Wilca_21, BirdInFrench_21
- Track 202 : Squash_24, Nike_22
- Track 203 : Pepe25_20
- Track 204 : Fransoyer_24, RubyRalph_24
- Track 205 : BabyDotz_21, Rowlf_19
- Track 206 : Blab_20, Gazebo_21
- Track 207 : AluminumJesus_20
- Track 208 : SadLad_25
- Track 209 : Altheas_24
- Track 210 : Fizzles_22
- Track 211 : Zhafia_25, Namago_22
- Track 212 : Marcie_26
- Track 213 : Phinky_28
- Track 214 : SallyK_23
- Track 215 : Margaery_12
- Track 216 : Cressida_13
- Track 217 : Matzah_13
- Track 218 : Kozie_14
- Track 219 : MementoMori_13
- Track 220 : Cinna_12
- Track 221 : Terij_13
- Track 222 : Talia1610_80
- Track 223 : Atuin_73
- Track 224 : Patbob_76, Bloom_80, Mimi_83
- Track 225 : Racecar_77
- Track 226 : SJReid_81
- Track 227 : DunneganBoMo_69
- Track 228 : PauloDiaboli_82, A3Wally_82
- Track 229 : Zooman_67
- Track 230 : Big4_71
- Track 231 : Cece_66
- Track 232 : Pumpnickel_80
- Track 233 : Taptic_6, Jeon_6, Megabear_6
- Track 234 : Argie_7, GodPhather_7, Cepens_6
- Track 235 : PR_06, D12_06
- Track 236 : RomansRevenge_13
- Track 237 : phiAsp2_4
- Track 238 : Tonitrus_27
- Track 239 : Pine5_11
- Track 240 : FuzzBuster_24
- Track 241 : StAugustine_15
- Track 242 : TPA2_17
- Track 243 : TurkishDelight_11

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 24, it was called in 377 of the 605 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 39HC_07, 40BC_07, ABU_8, Abinghost_11, AbsoluteMadLad_8, Acadian_10, Adriana_8, Aelin_8, Akoma_11, AlanGrant_10, Allegro_12, AltPhacts_8, Altwerkus_8, AnClar_7, AnarQue_10, Andre_9, Antonia_8, Apex_8, Apizium_8, Arbiter_12, Ares_12, Argie_7, Ashraf_8, Athena_12, Audrey_11, Austelle_9, Axumite_8, Badfish_8, Bae_10, Baloo_11, Bananafish_12, Banjo_8, BatteryCK_8, Beaglebox_8, Ben11_10, Bernardo_11, BiggityBass_7, BirdsNest_12, BlackStallion_8, Blocker23_12, BlueHusk_8, BlueNGold_76, Bluephacebaby_8, BobbyK_9, Boehler_8, Boopy_77, Boyle_12, Briakila_11, Brilliant_8, BrownCNA_10, Brownie5_12, Buckeye_8, Burr_8, CRB2_11, Calamitous_12, CamL_8, Cannibal_8, Carthage_8, Casbah_10, Cepens_6, ChaChing_11, Chaelin_8, Chah_8, Chandler_11, Charles1_8, CharlieGBrown_8, Cher_8, Childish_8, Chorkpop_8, ChrisnMich_8, Chunky_8, CloverMinnie_10, Cobra_8, Coffee_12, Colbert_8, Compostia_11, Cooper_9, Corofin_11, Cosmolli16_8, Craff_8, Crownjwl_9, DaddyDaniels_8, Daffy_8, Daisy_11, Daka_8, Dati_8, Deenasa_11, DelRivs_8, Derpp_8, Devonte_11, DigitDog_10, Dingo_8, Dione_8, DirtJuice_8, Doddsville_8, DoesntMatter_8, DonSancho_8, Donny_10, DuchessDung_8, Duggie_8, Durga_8, Eaglehorse_12, EastView9101_10, Emiris_8, EmpTee_8, Eremos_8, Etaye_8, Evaa_9, Fang_8, Faze9_12, FluffyNinja_8, Fortunato_9, Forza_77, Fozzie_8, Frankicide_8, FrenchFry_12, Freya_8, FriarPreacher_8, Fringe_8, FugateOSU_8, Funsized_14, Gadget_12, Gareth_8, GeneCoco_8, Gervas_11, Giraffe_8, Glass_12, GlenHope_12, GodPhather_7, Godines_12, Grand2040_8, Gyarad_008, HSavage_8, Haimas_8, Haleema_8, Halfpint_10, Hamish_8, Hangman_9, HarveySr_11, Harvey_8, Hashim76_13, Heath_9, Heathcliff_11, Hedgerow_12, Held_8, HenryJackson_8, Hertubise_8, Hetaeria_8, HighStump_8, Hocus_8, Holeinone_12, Horchata_8, Hosp_05, Hydro_9, ImtiyazSitla_8, Imvubu_5, Inchworm_8, Indlovu_9, Iridoclysis_8, IsaacEli_8, ItsyBitsy1_12, JAMaL_8, JacAttac_8, Jackstina_10, JaguarMi_10, JakeO_8, JangoPhett_8, Jillium_8, Jiminy_8, Jolie1_07, KLUcky39_8, Kahve_8, Kailash_8, Kaleb_12, Kamiyu_11, KayaCho_7, Keitherie_8, Kheth_12, Kikipoo_8, Kimbrough_8, KingTut_8, KingVeVeVe_8, KlimbOn_8, Kloppinator_8, Knocker_14, Kronus_10, Kwadwo_8, Kwksand96_8, Labeouficaum_8, Lars_12, Lasso_8, Laurie_12, LeeLot_8, Lego3393_8, Legolas_8, LemonSlice_8, Lephleur_12, LestyG_11, LilMcDreamy_10, LittleMunchkin_9, LizLemon_12, Lolalove_9, Longacauda_8, Lopsy_8, LostAndPhound_8, LuckyMarjie_8, Lulumae_8, Lulwa_8, Lumine_8, MRabcd_8, Mag7_8, Magic8_8, Magpie_9, MakoManhole_10, Mana_8, Manad_8, Mao1_6, Mareelih_76, Marley1013_11, Maru_8, Maskar_8, MasterPo_12, Matalotodo_8, Mcshane_8, Mecca_8, Megatron_8, Melc17_8, MelsMeow_8, Mesh1_8, MichaelPhcott_8, Mikota_8, MiniBoss_8, MitKao_8, Mithril_9, MmasiCarm_11, Morgushi_8, Mortcellus_10, Morty007_11, Morty_8, Mosaic_8, Mudslide_9, Mulan_8, Murdoc_8, Mutante_8, Mysterious_10, NHagos_8, Nacho_008, Nanao_8, Nangang_10, Neos5_11, Newman_8, Nicole21_8, Nigel_7, Nozo_11, Numberten_8, Nyala_8, OSmaximus_8, Obutu_11, Olak_8, Oline_8, OliverWalter_8, Omniscient_8, Oosterbaan_8, Opia_12, OrangeOswald_11, Orion_8, PG1_8, PenguinLover67_12, Phaedruss_10, Phamished_8, Phantasmagoria_12, Phareon_8, PhatCats2014_8, PhatLouie_8, Phayeta_11, Phelemich_10, PhenghisKhan_8, Pherdinand_8, Phergie_8, Philly_10, Phipps_8, Phleuron_8, Phlyer_11, PhrankReynolds_8, PhrodoBaggins_8, Phunky_8, Piglet_008,

PinheadLarry_8, Pinkman_8, Pipefish_11, Pipsqueak_8, Placalicious_8, Plmatters_8, Podrick_8, Pops_8, Poster_8, Potter_8, Prickles_8, ProfessorX_8, Puhltonio_8, QueenBeane_8, Quesadilla_11, Qyrzula_12, RagingRooster_11, RedMaple_8, Reprobate_10, Rhinoforte_12, Rich_10, Riggan_8, Rita1961_11, Robyn_8, Roliet_8, RomaT_11, Roscoe_9, Rosebush_12, Roy17_8, SDcharge11_8, Sabella_12, Saguaro_11, Samaymay_8, SassyCat97_8, Schadenfreude_8, Scoot17C_8, Scrick_8, Serendipitous_10, Serendipity_8, Serpentine_008, Sheila_8, ShiVal_8, Sigman_8, Simielle_8, SirJeffery_10, Sisko_7, Sixama_72, Skippy_8, Slatt_8, SlippinJimmy_11, Soile_8, Solosis_8, Sophia_8, Soto_8, Sour_11, Spartan300_8, Squid_8, Squiggle_8, StAugustine_15, Stinger_7, StinkyVeggy_11, Struggle_8, Suffolk_8, Suigeneris_10, Surely_8, Swish_8, SynergyX_11, TA17A_12, TPA2_17, TallGrassMM_8, Telesworld_8, Thonko_7, Thora_8, ThreeOh3D2_8, Timmi_8, Tinciduntolum_13, TomBombadil_8, Tomlarah_8, Toni_8, Tooj_8, Tres_12, True_8, Trypo_8, Tydolla_11, TyrionL_8, UAch1_8, UncleHowie_8, Usavi_8, Vaishali24_8, Valjean_8, Vaticameos_8, Veritas_8, Vincenzo_10, VioletZ_9, Virapocalypse_8, Virgeve_8, Vista_8, Vivaldi_8, Vortex_8, Waleliano_9, Wallhey_8, Waterdiva_8, Weher20_8, West99_12, Windsor_8, Wooper_10, Xavier_8, Yago84_7, Yahalom_11, Yinz_11, Yoshand_8, YouGoGlencoco_8, Zaider_9, Zelda_8, Zemanar_10, Zenteno07_13, Zonia_8,

Genes that have the "Most Annotated" start but do not call it:

- Anderson_8, Basato_9, Bishoperium_8, CaiB_10, CampRoach_8, CharlottesWeb_8, CheetO_8, Chute_8, Coletti_8, Cornobble_8, D12_06, Dice_9, Dori_7, Eugenia_9, Frederick_9, Fresco_8, Gophee_8, Gwilliam_9, Hartsy_8, Inverness_8, JDog_8, Jeon_6, Jiraiya_8, Katniss_8, LasagnaCat_8, LeiMonet_8, Ligma_8, Lilbeanie_13, Mariokart_8, Mask_7, Megabear_6, Megamind20_9, MossRose_10, MrPhizzler_8, Olive_8, Orfeu_8, Orwigg_9, PR_06, Pacifista_9, Prince_10, Quisquillae_9, RawrgerThat_9, Ricotta_8, Rimu_8, Schueller_8, Sejanus_7, Selr12_8, Shatter_8, Swiphy_8, Taptic_6, Thunderbird_8,

Genes that do not have the "Most Annotated" start:

- A3Wally_82, APunk_15, AWGoat_17, Abblin_14, Abt2graduatex2_10, Affeca_12, Ailee_12, Ali17_11, Altheas_24, AluminumJesus_20, Angelicage_12, Antares_20, Ariadne_28, Arri_13, Ashertheman_12, Asis_10, Atuin_73, BabyDotz_21, BabyGotBac_10, Baddon_12, Bakery_13, Barb_12, Barsten_13, Baumdotcom_12, BayC_10, Beagle_23, Bibwit_12, Big4_71, BirdInFrench_21, Bizzy_13, Blab_20, Bloom_80, BobBob_10, Brandonk123_15, BrazzalePHS_19, BruhMoment_18, Busephilis_20, CandC_20, Casend_23, Cece_66, ChadMasterC_12, Charming_10, Chickadee_13, Cinna_12, ClamChowder_12, Clawz_41, ClearAsMud_22, Clown_16, Cranjis_21, CrazyRich_19, Cressida_13, Crisis_21, Danyall_12, Delrey21_14, Derg_10, Dexpert_14, DoctorFroggo_14, DonTron_41, DonaldDuck_22, DunneganBoMo_69, EMoore_7, EarickHC_20, EdmundFerry_12, Evamon_12, Fireball_13, Fireman_20, Fitzgerald_11, Fizzles_22, Flatwoods_13, Fosterous_10, Fransoyer_24, Fregley_22, Fugax_12, FuzzBuster_24, GMA2_9, GTE6_14, Gaea_12, Galadriel_14, Ganandorf_19, Gazebo_21, Geodirt_12, Gezellig_12, Gina_20, GodonK_66, Grassboy_23, Gustavo_12, Halo3_13, Hans_15, Hermeonysus_19, Honeyfin_21, Hyperion_21, Inspectinfecti_14, JKSyngboy_11, Jabberwocky_11, Jambalaya_12, Jayden_20, Jefe_20, Jehoshaphat_24, Jollipop_20, Judebell_24, KaiHaiDragon_20, Kamashten_13, Keitabear_13, Kelcole_20, Kewpiedoll_13, KimmyK_12, Kowalski_19, Kozie_14, Kroos_12, Kwekel_13, Kwobi_12, Kyva_24, Lennon_13, Leonard_13, LilHam_10, LittleFortune_21, Llemily_22, Lonelysoil_21, Love_14, Maih_10, Marcie_26, Margaery_12, Mashley_20, Matzah_13, McKinley_13, Megan_13, MelBins_13, MellowYellow_18,

MementoMori_13, Metamorphoo_20, Mimi_83, Mischief19_11, MoontowerMania_11, Mutzi_12, Namago_22, Natkenzie_14, Nicole72_14, Nike_22, NoodlelyBoi_19, Nordenberg_7, Nubi_12, Odyssey395_24, OneinaGillian_21, Onika_19, Paries_13, Paschalis_19, Patbob_76, PauloDiaboli_82, Pepe25_20, Phabia_22, Phauci_6, Phendrix_65, Phinally_13, Phinky_28, Phlop_12, Phorgeous_19, Phrancesco_21, PierreOrion_20, Pine5_11, PinkCoffee_12, PiperSansNom_20, Piperis_20, Pointis_22, Portcullis_12, Pulchra_21, PullumCavea_12, Pumpernickel_80, Pureglobe5_24, Quammi_20, Quhwah_22, Racecar_77, RainyPolka_10, Ramiel05_19, Ranunculus_17, Ribeye_13, RiverRaider_14, Rizwana_16, RoadKill_11, RobinRose_23, RobsFeet_21, Rofo_12, RogerDodger_13, RomansRevenge_13, Romm_23, Rowlf_19, RubyRalph_24, Rudy_20, SJReid_81, SadLad_25, Salete_10, SallyK_23, Salvador_12, Sampson_14, Sanjuju_11, Saronaya_12, Savannah_19, Savbucketdawg_12, SchottB_11, Scioto_14, Scumberland_21, Sedona_13, Selwyn23_21, Shinji_12, Shivanishola_12, Shotgun_19, SilentRX_18, Sillytadpoles_22, Sitar_13, Smarties_28, SmokingBunny_12, Soos_37, Squash_24, Sting_40, StorminNorm_12, StrawberryJamm_24, Stultus_12, TP1604_10, Talia1610_80, Tangent_10, Tangerine_12, Tank_17, Tardus_14, Teamocil_20, Teehee_23, Tempo_21, Terij_13, Thing3_13, Tiamoceli_14, TillyBobJoe_12, Tissue_22, Togo_12, Tonitrus_27, TurkishDelight_11, Twister6_12, Twonlo_11, Tycho_12, Tyrumbra_18, Valary_13, VanDeWege_13, Verity_14, ViaConlectus_14, Viceroy_21, Vivi2_11, Wayne3_23, Wheelie_21, Wilca_21, Wilde_17, Wizard_12, Xkcd426_11, YDN12_11, Yeti_20, YorkOnyx_12, YungMoney_12, Zagie_22, Zhafia_25, Zipp_14, Zitch_15, Zooman_67, phiAsp2_4,

Summary by start number:

Start 8:

- Found in 1 of 714 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 605
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_13 (DE5),

Start 11:

- Found in 112 of 714 (15.7%) of genes in pham
- Manual Annotations of this start: 93 of 605
- Called 99.1% of time when present
- Phage (with cluster) where this start called: APunk_15 (DE4), Abblin_14 (DE4), Affeca_12 (DE1), Ailee_12 (DE1), Ali17_11 (DE2), Angelicage_12 (DE1), Arri_13 (DC1), Ashertheman_12 (DE1), Baddon_12 (DE1), Bakery_13 (DC1), Barb_12 (DC1), Barsten_13 (DE1), Baumdotcom_12 (DE1), Bibwit_12 (DE1), Bizzy_13 (DE1), BobBob_10 (DE1), Brandonk123_15 (DE1), ChadMasterC_12 (DE1), Charming_10 (DE1), Chickadee_13 (DE3), ClamChowder_12 (DC1), Clown_16 (DC2), Danyall_12 (DC1), Delrey21_14 (DE4), Derg_10 (DE1), Dexdert_14 (DE3), DoctorFroggo_14 (DE4), EMOore_7 (DE2), EdmundFerry_12 (DE3), Evamon_12 (DC1), Fireball_13 (DC1), Fitzgerald_11 (DE1), Flatwoods_13 (DE1), Fosterous_10 (DE1), Fugax_12 (DC1), GTE6_14 (DE3), Gaea_12 (DE1), Galadriel_14 (DE1), Geodirt_12 (DE1), Gezellig_12 (DC1), Gustavo_12 (DE1), Halo3_13 (DC1), Hans_15 (DE2), Inspectinfecti_14 (DE2), JKSyngboy_11 (DE1), Jabberwocky_11 (DE1), Jambalaya_12 (DC1), Kamashten_13 (DE1), Keitabear_13 (DE1), Kewpiedoll_13 (DE1), KimmyK_12 (DC1), Kroos_12 (DE1), Kwekel_13 (DE3), Kwobi_12 (DE1), Lennon_13 (DE1), Leonard_13 (DE2), LilHam_10 (DE1), Love_14 (DE1), McKinley_13 (DE1), MelBins_13 (DE2), MoontowerMania_11 (DE1), Mutzi_12 (DC1),

Natkenzie_14 (DE4), Nordenberg_7 (DE1), Nubi_12 (DC1), Paries_13 (DE1), Phauci_6 (DE2), Phinally_13 (DE2), Phlop_12 (DC1), PinkCoffee_12 (DC1), Portcullis_12 (DC1), PullumCavea_12 (DC1), Ribeye_13 (DE1), RiverRaider_14 (DE1), RoadKill_11 (DE3), Rofo_12 (DE1), RogerDodger_13 (DC1), Salvador_12 (DC1), Sampson_14 (DE4), Sanjuju_11 (DE1), Saronaya_12 (DE1), Savbucketdawg_12 (DC1), SchottB_11 (DE1), Scioto_14 (DE4), Sedona_13 (DE1), Shinji_12 (DC1), Shivanishola_12 (DE1), Sitar_13 (DE1), SmokingBunny_12 (DC1), StorminNorm_12 (DE1), Stultus_12 (DE1), Tangent_10 (DE1), Tangerine_12 (DE1), Tardus_14 (DE4), Thing3_13 (DE1), Tiamoceli_14 (DE3), TillyBobJoe_12 (DC1), Togo_12 (DC1), Twister6_12 (DC1), Twonlo_11 (DE3), Tycho_12 (DE1), Valary_13 (DC1), VanDeWege_13 (DC1), Verity_14 (DE4), ViaConlectus_14 (DE4), Vivi2_11 (DE1), Wizard_12 (DC1), YorkOnyx_12 (DE1), YungMoney_12 (DC1), Zipp_14 (DE4), Zitch_15 (DE4),

Start 12:

- Found in 51 of 714 (7.1%) of genes in pham
- Manual Annotations of this start: 34 of 605
- Called 72.5% of time when present
- Phage (with cluster) where this start called: Antares_20 (EC), Busephilis_20 (EC), ClearAsMud_22 (EC), Cranjis_21 (EC), CrazyRich_19 (EC), Crisis_21 (EC), FuzzBuster_24 (singleton), Gina_20 (EC), Hermeonysus_19 (EC), Honeyfin_21 (EC), Jayden_20 (EC), Jefe_20 (EC), Jollipop_20 (EC), Kowalski_19 (EC), LittleFortune_21 (EC), Megan_13 (EC), MementoMori_13 (EI), Metamorphoo_20 (EC), Nicole72_14 (EC), NoodlelyBoi_19 (EC), Onika_19 (EC), Paschalis_19 (EC), Phorgeous_19 (EC), Phrancesco_21 (EC), PierreOrion_20 (EC), PiperSansNom_20 (EC), Piperis_20 (EC), Pulchra_21 (EC), Quhwah_22 (EC), Ramiel05_19 (EC), RobsFeet_21 (EC), Savannah_19 (EC), Scumberland_21 (EC), Selwyn23_21 (EC), Shotgun_19 (EC), Smarties_28 (EC), Teamocil_20 (EC),

Start 14:

- Found in 57 of 714 (8.0%) of genes in pham
- Manual Annotations of this start: 13 of 605
- Called 24.6% of time when present
- Phage (with cluster) where this start called: Ariadne_28 (EC), BrazzalePHS_19 (EC), Cinna_12 (EI), Cressida_13 (EI), EarickHC_20 (EC), Fireman_20 (EC), Ganandorf_19 (EC), KaiHaiDragon_20 (EC), Kozie_14 (EI), Margaery_12 (EI), Matzah_13 (EI), Terij_13 (EI), Tyumbra_18 (EC), Yeti_20 (EC),

Start 17:

- Found in 1 of 714 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA2_9 (DS),

Start 19:

- Found in 2 of 714 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 605
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Phendrix_65 (DK),

Start 20:

- Found in 12 of 714 (1.7%) of genes in pham
- Manual Annotations of this start: 6 of 605

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dori_7 (AD), Jeon_6 (W), Mask_7 (AD), Megabear_6 (W), Sejanus_7 (AD), Taptic_6 (W),

Start 22:

- Found in 27 of 714 (3.8%) of genes in pham
- Manual Annotations of this start: 2 of 605
- Called 18.5% of time when present
- Phage (with cluster) where this start called: Clawz_41 (CP), DonTron_41 (CP), Soos_37 (CP), Sting_40 (CP), Tonitrus_27 (singleton),

Start 23:

- Found in 2 of 714 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 605
- Called 50.0% of time when present
- Phage (with cluster) where this start called: GodonK_66 (DK),

Start 24:

- Found in 455 of 714 (63.7%) of genes in pham
- Manual Annotations of this start: 377 of 605
- Called 88.8% of time when present
- Phage (with cluster) where this start called: 39HC_07 (B6), 40BC_07 (B6), ABU_8 (B1), Abinghost_11 (B3), AbsoluteMadLad_8 (B1), Acadian_10 (B5), Adriana_8 (B1), Aelin_8 (B1), Akoma_11 (B3), AlanGrant_10 (B4), Allegro_12 (B2), AltPhacts_8 (B1), Altwerkus_8 (B1), AnClar_7 (DR), AnarQue_10 (DR), Andre_9 (B1), Antonia_8 (B1), Apex_8 (B4), Apizium_8 (B1), Arbitr_12 (B2), Ares_12 (B2), Argie_7 (W), Ashraf_8 (B1), Athena_12 (B3), Audrey_11 (B3), Austelle_9 (B4), Axumite_8 (DR), Badfish_8 (B1), Bae_10 (B5), Baloo_11 (B3), Bananafish_12 (B2), Banjo_8 (B1), BatteryCK_8 (B1), Beaglebox_8 (B1), Ben11_10 (B3), Bernardo_11 (B3), BiggityBass_7 (DR), BirdsNest_12 (B13), BlackStallion_8 (B1), Blocker23_12 (B2), BlueHusk_8 (B1), BlueNGold_76 (DS), Bluephacebaby_8 (B1), BobbyK_9 (B4), Boehler_8 (B1), Boopy_77 (DS), Boyle_12 (B2), Briakila_11 (B3), Brilliant_8 (B1), BrownCNA_10 (B4), Brownie5_12 (B2), Buckeye_8 (B1), Burr_8 (B1), CRB2_11 (B9), Calamitous_12 (B2), CamL_8 (B1), Cannibal_8 (B1), Carthage_8 (B1), Casbah_10 (B3), Cepens_6 (W), ChaChing_11 (B3), Chaelin_8 (B1), Chah_8 (B1), Chandler_11 (B3), Charles1_8 (B1), CharlieGBrown_8 (B1), Cher_8 (B1), Childish_8 (B1), Chorkpop_8 (B1), ChrisnMich_8 (B4), Chunky_8 (B1), CloverMinnie_10 (DR), Cobra_8 (B1), Coffee_12 (B2), Colbert_8 (B1), Compostia_11 (B3), Cooper_9 (B4), Corofin_11 (B3), Cosmolli16_8 (B1), Craff_8 (B1), Crownjwl_9 (B1), DaddyDaniels_8 (B1), Daffy_8 (B1), Daisy_11 (B3), Daka_8 (B1), Dati_8 (B1), Deenasa_11 (B3), DelRivs_8 (B1), Derpp_8 (B1), Devonte_11 (B3), DigitDog_10 (B5), Dingo_8 (B1), Dione_8 (B1), DirtJuice_8 (B1), Doddsville_8 (B1), DoesntMatter_8 (B1), DonSanchon_8 (B1), Donny_10 (B5), DuchessDung_8 (B1), Duggie_8 (B1), Durga_8 (B1), Eaglehorse_12 (B2), EastView9101_10 (B5), Emiris_8 (B1), EmpTee_8 (B1), Eremos_8 (B1), Etaye_8 (B1), Evaa_9 (DR), Fang_8 (B1), Faze9_12 (B2), FluffyNinja_8 (B1), Fortunato_9 (B4), Forza_77 (DS), Fozzie_8 (B1), Frankicide_8 (B1), FrenchFry_12 (B2), Freya_8 (B1), FriarPreacher_8 (B1), Fringe_8 (B1), FugateOSU_8 (B1), Funsized_14 (B9), Gadjet_12 (B3), Gareth_8 (B1), GeneCoco_8 (B1), Gervas_11 (B3), Giraffe_8 (B1), Glass_12 (B2), GlenHope_12 (B3), GodPhather_7 (W), Godines_12 (B2), Grand2040_8 (B1), Gyarad_008 (B1), HSavage_8 (B1), Haimas_8 (B1), Haleema_8 (B1), Halfpint_10 (B3), Hamish_8 (B1), Hangman_9 (B4), HarveySr_11 (B3), Harvey_8 (B1), Hashim76_13 (B13), Heath_9 (B4), Heathcliff_11 (B3), Hedgerow_12 (B2), Held_8 (B1), HenryJackson_8 (B1),

Hertubise_8 (B1), Hetaeria_8 (B1), HighStump_8 (B1), Hocus_8 (B1), Holeinone_12 (B2), Horchata_8 (B1), Hosp_05 (B6), Hydro_9 (B4), ImtiyazSitla_8 (B1), Imvubu_5 (B10), Inchworm_8 (B1), Indlovu_9 (B11), Iridoclysis_8 (B1), IsaacEli_8 (B1), ItsyBitsy1_12 (B2), JAMaL_8 (B4), JacAttac_8 (B1), Jackstina_10 (B3), JaguarMi_10 (B4), JakeO_8 (B1), JangoPhett_8 (B1), Jillium_8 (B1), Jiminy_8 (B1), Jolie1_07 (B6), KLucky39_8 (B1), Kahve_8 (B1), Kailash_8 (B1), Kaleb_12 (B2), Kamiyu_11 (B3), KayaCho_7 (B6), Keitherie_8 (B1), Kheth_12 (B2), Kikipoo_8 (B1), Kimbrough_8 (B1), KingTut_8 (B1), KingVeVeVe_8 (B1), KlimbOn_8 (B1), Kloppinator_8 (B1), Knocker_14 (B9), Kronus_10 (B3), Kwadwo_8 (B1), Kwksand96_8 (B1), Labeouficaum_8 (B1), Lars_12 (B2), Lasso_8 (B1), Laurie_12 (B2), LeeLot_8 (B1), Lego3393_8 (B1), Legolas_8 (B1), LemonSlice_8 (B1), Lephleur_12 (B2), LestyG_11 (B3), LilMcDreamy_10 (B12), LittleMunchkin_9 (DR), LizLemon_12 (B2), Lolalove_9 (B4), Longacauda_8 (B1), Lopsy_8 (B1), LostAndPhound_8 (B1), LuckyMarjie_8 (B1), Lulumae_8 (B1), Lulwa_8 (B1), Lumine_8 (B1), MRabcd_8 (B1), Mag7_8 (B1), Magic8_8 (B1), Magpie_9 (B4), MakoManhole_10 (DR), Mana_8 (B1), Manad_8 (B1), Mao1_6 (AD), Mareelih_76 (DS), Marley1013_11 (B3), Maru_8 (B1), Maskar_8 (B1), MasterPo_12 (B2), Matalotodo_8 (B1), Mcshane_8 (B1), Mecca_8 (B1), Megatron_8 (B1), Melc17_8 (B1), MelsMeow_8 (B1), Mesh1_8 (B1), MichaelPhcott_8 (B1), Mikota_8 (B1), MiniBoss_8 (B1), MitKao_8 (B1), Mithril_9 (B4), MmasiCarm_11 (B3), Morgushi_8 (B1), Mortcellus_10 (B3), Morty007_11 (B3), Morty_8 (B1), Mosaic_8 (B1), Mudslide_9 (B4), Mulan_8 (B1), Murdoc_8 (B1), Mutante_8 (B1), Mysterious_10 (B5), NHagos_8 (DR), Nacho_008 (B1), Nanao_8 (B4), Nangang_10 (B5), Neos5_11 (B3), Newman_8 (B1), Nicole21_8 (B1), Nigel_7 (B4), Nozo_11 (B3), Numberten_8 (B1), Nyala_8 (B1), OSmaximus_8 (B1), Obutu_11 (B3), Olak_8 (B1), Oline_8 (B1), OliverWalter_8 (B1), Omniscient_8 (B1), Oosterbaan_8 (B1), Opia_12 (B2), OrangeOswald_11 (B3), Orion_8 (B1), PG1_8 (B1), PenguinLover67_12 (B9), Phaedrus_10 (B3), Phamished_8 (B1), Phantasmagoria_12 (B2), Phareon_8 (B1), PhatCats2014_8 (B1), PhatLouie_8 (B1), Phayeta_11 (B3), Phelemich_10 (B5), PhenghisKhan_8 (B1), Pherdinand_8 (B1), Phergie_8 (B1), Philly_10 (B3), Phipps_8 (B1), Phleuron_8 (B1), Phlyer_11 (B3), PhrankReynolds_8 (B1), PhrodoBaggins_8 (B1), Phunky_8 (B1), Piglet_008 (B1), PinheadLarry_8 (B1), Pinkman_8 (B1), Pipefish_11 (B3), Pipsqueak_8 (B1), Placalicious_8 (B1), Pimatters_8 (B1), Podrick_8 (B1), Pops_8 (B1), Poster_8 (B4), Potter_8 (B1), Prickles_8 (B1), ProfessorX_8 (B1), Puhltonio_8 (B1), QueenBeane_8 (B1), Quesadilla_11 (B9), Qyrzula_12 (B2), RagingRooster_11 (B3), RedMaple_8 (B1), Reprobate_10 (B5), Rhinoforte_12 (B2), Rich_10 (B5), Riggan_8 (B1), Rita1961_11 (B3), Robyn_8 (B1), Roliet_8 (B1), RomaT_11 (B3), Roscoe_9 (B1), Rosebush_12 (B2), Roy17_8 (B1), SDcharge11_8 (B1), Sabella_12 (B2), Saguaro_11 (B7), Samaymay_8 (B1), SassyCat97_8 (B1), Schadenfreude_8 (B1), Scoot17C_8 (B1), Scrick_8 (B1), Serendipitous_10 (B5), Serendipity_8 (B1), Serpentine_008 (B1), Sheila_8 (B1), ShiVal_8 (B1), Sigman_8 (B1), Simielle_8 (B1), SirJeffery_10 (B5), Sisko_7 (DR), Sixama_72 (DS), Skippy_8 (B1), Slatt_8 (B1), SlippinJimmy_11 (B3), Soile_8 (B1), Solosis_8 (B1), Sophia_8 (B1), Soto_8 (B1), Sour_11 (DR), Spartan300_8 (B1), Squid_8 (B1), Squiggle_8 (B1), StAugustine_15 (singleton), Stinger_7 (B4), StinkyVeggy_11 (B5), Struggle_8 (B1), Suffolk_8 (B1), Suigeneris_10 (B5), Surely_8 (B1), Swish_8 (B1), SynergyX_11 (B3), TA17A_12 (B2), TPA2_17 (singleton), TallGrassMM_8 (B1), Telesworld_8 (B1), Thonko_7 (B8), Thora_8 (B1), ThreeOh3D2_8 (B1), Timmi_8 (B1), Tinciduntolum_13 (B2), TomBombadil_8 (B1), Tomlarah_8 (B1), Toni_8 (B1), Tooj_8 (B1), Tres_12 (B2), True_8 (B1), Trypo_8 (B1), Tydolla_11 (B3), TyrionL_8 (B1), UAch1_8 (B1), UncleHowie_8 (B1), Usavi_8 (B1), Vaishali24_8 (B1), Valjean_8 (B1), Vaticameos_8 (B1), Veritas_8 (B1), Vincenzo_10 (B4), VioletZ_9 (B4), Virapocalypse_8 (B1), Virgeve_8 (B1), Vista_8

(B1), Vivaldi_8 (B1), Vortex_8 (B1), Waleliano_9 (B4), Wallhey_8 (B1), Waterdiva_8 (B1), Weher20_8 (B1), West99_12 (B2), Windsor_8 (B1), Wooper_10 (DR), Xavier_8 (B1), Yago84_7 (DR), Yahalom_11 (B3), Yinz_11 (B3), Yoshand_8 (B1), YouGoGlencoco_8 (B1), Zaider_9 (B1), Zelda_8 (B1), Zemanar_10 (B4), Zenteno07_13 (B13), Zonia_8 (B1),

Start 25:

- Found in 5 of 714 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 605
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Racecar_77 (FC),

Start 27:

- Found in 8 of 714 (1.1%) of genes in pham
- No Manual Annotations of this start.
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Atuin_73 (FC), Bloom_80 (FC), Mimi_83 (FC), Patbob_76 (FC), SJReid_81 (FC), Talia1610_80 (FC),

Start 31:

- Found in 231 of 714 (32.4%) of genes in pham
- Manual Annotations of this start: 11 of 605
- Called 6.9% of time when present
- Phage (with cluster) where this start called: A3Wally_82 (GD1), Anderson_8 (B1), Big4_71 (GD2), Bishoperium_8 (B1), Cece_66 (GD3), Eugenia_9 (B1), Frederick_9 (B4), Inverness_8 (B1), Megamind20_9 (B1), Olive_8 (B1), Orwigg_9 (B1), PauloDiaboli_82 (GD1), Prince_10 (B4), Pumpernickel_80 (GD4), RawrgerThat_9 (B4), Zooman_67 (GD2),

Start 35:

- Found in 6 of 714 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: phiAsp2_4 (singleton),

Start 36:

- Found in 3 of 714 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 605
- Called 33.3% of time when present
- Phage (with cluster) where this start called: SadLad_25 (EG),

Start 41:

- Found in 1 of 714 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 605
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_18 (AP3),

Start 43:

- Found in 13 of 714 (1.8%) of genes in pham
- Manual Annotations of this start: 7 of 605
- Called 76.9% of time when present
- Phage (with cluster) where this start called: Beagle_23 (AP2), MellowYellow_18 (AP2), Odyssey395_24 (AP2), Pointis_22 (AP2), Pureglobe5_24 (AP2), Rizwana_16

(AP1), RomansRevenge_13 (singleton), SilentRX_18 (AP4), Tank_17 (AP1), Wilde_17 (AP1),

Start 45:

- Found in 8 of 714 (1.1%) of genes in pham
- Manual Annotations of this start: 2 of 605
- Called 62.5% of time when present
- Phage (with cluster) where this start called: CharlottesWeb_8 (DR), Fresco_8 (DR), Ligma_8 (DR), Mariokart_8 (DR), Shatter_8 (DR),

Start 46:

- Found in 58 of 714 (8.1%) of genes in pham
- Manual Annotations of this start: 35 of 605
- Called 81.0% of time when present
- Phage (with cluster) where this start called: Altheas_24 (EG), AluminumJesus_20 (EG), BabyDotz_21 (EG), BirdInFrench_21 (EG), Blab_20 (EG), CandC_20 (EG), Casend_23 (EG), DonaldDuck_22 (EG), Fizzles_22 (EG), Fransoyer_24 (EG), Fregley_22 (EG), Gazebo_21 (EG), Grassboy_23 (EG), Hyperion_21 (EG), Jehoshaphat_24 (EG), Judebell_24 (EG), Kelcole_20 (EG), Kyva_24 (EG), Llemily_22 (EG), Lonelysoil_21 (EG), Marcie_26 (EG), Mashley_20 (EG), Namago_22 (EG), Nike_22 (EG), OneinaGillian_21 (EG), Pepe25_20 (EG), Phabia_22 (EG), Phinky_28 (EG), Quammi_20 (EG), RobinRose_23 (EG), Romm_23 (EG), Rowlf_19 (EG), RubyRalph_24 (EG), Rudy_20 (EG), SallyK_23 (EG), Sillytadpoles_22 (EG), Squash_24 (EG), StrawberryJamm_24 (EG), Teehee_23 (EG), Tempo_21 (EG), Tissue_22 (EG), Viceroy_21 (EG), Wayne3_23 (EG), Wheelie_21 (EG), Wilca_21 (EG), Zagie_22 (EG), Zhafia_25 (EG),

Start 53:

- Found in 4 of 714 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 605
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DunneganBoMo_69 (FC), TurkishDelight_11 (singleton),

Start 56:

- Found in 42 of 714 (5.9%) of genes in pham
- Manual Annotations of this start: 2 of 605
- Called 4.8% of time when present
- Phage (with cluster) where this start called: D12_06 (W), PR_06 (W),

Start 58:

- Found in 30 of 714 (4.2%) of genes in pham
- Manual Annotations of this start: 10 of 605
- Called 36.7% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_10 (BG), Asis_10 (BG), BabyGotBac_10 (BG), BayC_10 (BG), Maih_10 (BG), Mischief19_11 (BG), RainyPolka_10 (BG), Salete_10 (BG), TP1604_10 (BG), Xkcd426_11 (BG), YDN12_11 (BG),

Start 67:

- Found in 5 of 714 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Pine5_11 (singleton),

Start 81:

- Found in 285 of 714 (39.9%) of genes in pham
- Manual Annotations of this start: 4 of 605
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Basato_9 (B1), CampRoach_8 (B1), CheetO_8 (B1), Chute_8 (B1), Coletti_8 (B1), Cornobble_8 (B1), Dice_9 (B1), Gophee_8 (B1), Hartsy_8 (B1), JDog_8 (B1), Jiraiya_8 (B1), Katniss_8 (B1), LasagnaCat_8 (B1), LeiMonet_8 (B1), MrPhizzler_8 (B1), Orfeu_8 (B1), Pacifista_9 (B1), Ricotta_8 (B1), Schueller_8 (B1), Selr12_8 (B1), Swiphy_8 (B1), Thunderbird_8 (B1),

Start 85:

- Found in 28 of 714 (3.9%) of genes in pham
- No Manual Annotations of this start.
- Called 3.6% of time when present
- Phage (with cluster) where this start called: AWGoat_17 (AP4),

Start 86:

- Found in 60 of 714 (8.4%) of genes in pham
- Manual Annotations of this start: 2 of 605
- Called 3.3% of time when present
- Phage (with cluster) where this start called: CaiB_10 (DR), MossRose_10 (DR),

Start 87:

- Found in 274 of 714 (38.4%) of genes in pham
- No Manual Annotations of this start.
- Called 1.1% of time when present
- Phage (with cluster) where this start called: Gwilliam_9 (B1), Quisquilliae_9 (B1), Rimu_8 (B1),

Start 108:

- Found in 17 of 714 (2.4%) of genes in pham
- No Manual Annotations of this start.
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Ranunculus_17 (AP),

Summary by clusters:

There are 41 clusters represented in this pham: GD1, singleton, BG, GD4, DK, AP2, AP3, AP1, GD2, AP4, FC, B12, B13, B10, B11, GD3, DR, DS, EI, AD, EG, EC, AP, W, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:

- Start number 20 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AP1:

- Start number 43 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 43 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 41 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 43 was manually annotated 1 time for cluster AP4.

Info for manual annotations of cluster B1:

- Start number 24 was manually annotated 239 times for cluster B1.
- Start number 31 was manually annotated 4 times for cluster B1.
- Start number 81 was manually annotated 4 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 24 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 24 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 24 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 24 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 24 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 24 was manually annotated 44 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 24 was manually annotated 21 times for cluster B4.
- Start number 31 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:

- Start number 24 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 24 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 24 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 24 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 24 was manually annotated 5 times for cluster B9.

Info for manual annotations of cluster BG:

- Start number 58 was manually annotated 10 times for cluster BG.

Info for manual annotations of cluster CP:

- Start number 22 was manually annotated 2 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 11 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 11 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 11 was manually annotated 42 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 11 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 11 was manually annotated 6 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 11 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 8 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DK:

- Start number 19 was manually annotated 1 time for cluster DK.
- Start number 23 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster DR:

- Start number 24 was manually annotated 12 times for cluster DR.
- Start number 45 was manually annotated 2 times for cluster DR.
- Start number 86 was manually annotated 2 times for cluster DR.

Info for manual annotations of cluster DS:

- Start number 24 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster EC:

- Start number 12 was manually annotated 32 times for cluster EC.
- Start number 14 was manually annotated 7 times for cluster EC.

Info for manual annotations of cluster EG:

- Start number 36 was manually annotated 1 time for cluster EG.
- Start number 46 was manually annotated 35 times for cluster EG.

Info for manual annotations of cluster EI:

- Start number 12 was manually annotated 1 time for cluster EI.
- Start number 14 was manually annotated 6 times for cluster EI.

Info for manual annotations of cluster FC:

- Start number 25 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD1:

- Start number 31 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 31 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 31 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 31 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster W:

- Start number 20 was manually annotated 3 times for cluster W.
- Start number 24 was manually annotated 3 times for cluster W.
- Start number 56 was manually annotated 2 times for cluster W.

Gene Information:

Gene: 39HC_07 Start: 5208, Stop: 7124, Start Num: 24

Candidate Starts for 39HC_07:

(Start: 24 @5208 has 377 MA's), (Start: 31 @5223 has 11 MA's), (71, 5286), (Start: 81 @5310 has 4 MA's), (95, 5352), (97, 5367), (99, 5370), (103, 5379), (147, 5529), (170, 5610), (179, 5640), (198, 5688), (233, 5781), (234, 5784), (236, 5793), (244, 5838), (246, 5847), (262, 5928), (263, 5931), (267, 5949), (286, 6012), (292, 6030), (308, 6078), (320, 6132), (334, 6192), (341, 6234), (353, 6306), (355, 6321), (359, 6342), (368, 6378), (372, 6390), (386, 6426), (413, 6573), (438, 6639), (471, 6705), (521, 6828), (542, 6858), (544, 6867), (549, 6885), (583, 7017), (584, 7020), (607, 7098),

Gene: 40BC_07 Start: 5208, Stop: 7124, Start Num: 24

Candidate Starts for 40BC_07:

(Start: 24 @5208 has 377 MA's), (Start: 31 @5223 has 11 MA's), (71, 5286), (Start: 81 @5310 has 4 MA's), (95, 5352), (97, 5367), (99, 5370), (103, 5379), (147, 5529), (170, 5610), (179, 5640), (198, 5688), (233, 5781), (234, 5784), (236, 5793), (244, 5838), (246, 5847), (262, 5928), (263, 5931), (267, 5949), (286, 6012), (292, 6030), (308, 6078), (320, 6132), (334, 6192), (341, 6234), (353, 6306), (355, 6321), (359, 6342), (368, 6378), (372, 6390), (386, 6426), (413, 6573), (438, 6639), (471, 6705), (521, 6828), (542, 6858), (544, 6867), (549, 6885), (583, 7017), (584, 7020), (607, 7098),

Gene: A3Wally_82 Start: 29832, Stop: 31568, Start Num: 31

Candidate Starts for A3Wally_82:

(Start: 31 @29832 has 11 MA's), (60, 29895), (64, 29904), (92, 29982), (110, 30054), (111, 30063), (118, 30087), (120, 30096), (152, 30177), (178, 30270), (203, 30327), (234, 30450), (244, 30504), (267, 30612), (306, 30723), (315, 30765), (335, 30846), (338, 30867), (350, 30930), (359, 30990), (367, 31023), (384, 31071), (395, 31131), (417, 31242), (463, 31350), (501, 31470), (506, 31494),

Gene: ABU_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for ABU_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: APunk_15 Start: 7441, Stop: 9111, Start Num: 11

Candidate Starts for APunk_15:

(Start: 11 @7441 has 93 MA's), (Start: 22 @7516 has 2 MA's), (38, 7564), (82, 7651), (105, 7732), (111, 7762), (113, 7771), (154, 7894), (166, 7939), (197, 8011), (201, 8020), (237, 8131), (244, 8170), (249, 8188), (251, 8200), (252, 8203), (254, 8209), (270, 8284), (306, 8344), (335, 8479), (342, 8524), (350, 8563), (357, 8614), (365, 8647), (368, 8659), (369, 8662), (381, 8689), (387, 8713), (400, 8791), (410, 8842), (420, 8872), (424, 8878), (432, 8896), (452, 8935), (475, 8980),

Gene: AWGoat_17 Start: 8819, Stop: 10624, Start Num: 85

Candidate Starts for AWGoat_17:

(Start: 43 @8723 has 7 MA's), (Start: 81 @8810 has 4 MA's), (85, 8819), (95, 8852), (119, 8948), (148, 8993), (161, 9041), (168, 9065), (232, 9236), (233, 9239), (247, 9308), (262, 9386), (265, 9395), (267, 9407), (299, 9479), (303, 9491), (306, 9500), (315, 9542), (329, 9593), (336, 9626), (342, 9668), (343, 9674), (346, 9686), (391, 9908), (401, 9974), (410, 10016), (504, 10277), (533, 10328), (535, 10334), (606, 10595),

Gene: Abblin_14 Start: 6957, Stop: 8627, Start Num: 11

Candidate Starts for Abblin_14:

(Start: 11 @6957 has 93 MA's), (Start: 22 @7032 has 2 MA's), (29, 7053), (38, 7080), (82, 7167), (105, 7248), (111, 7278), (113, 7287), (139, 7362), (143, 7374), (154, 7410), (166, 7455), (197, 7527), (201, 7536), (237, 7647), (244, 7686), (246, 7695), (249, 7704), (251, 7716), (252, 7719), (254, 7725), (270, 7800), (302, 7848), (306, 7860), (332, 7980), (335, 7995), (342, 8040), (350, 8079), (357, 8130), (365, 8163), (368, 8175), (369, 8178), (381, 8205), (387, 8229), (400, 8307), (410, 8358), (420, 8388), (424, 8394), (452, 8451), (475, 8496),

Gene: Abinghost_11 Start: 6314, Stop: 8218, Start Num: 24

Candidate Starts for Abinghost_11:

(Start: 24 @6314 has 377 MA's), (32, 6341), (80, 6422), (99, 6485), (116, 6551), (127, 6584), (164, 6692), (192, 6782), (215, 6860), (236, 6917), (246, 6971), (262, 7052), (267, 7073), (272, 7100), (295, 7151), (297, 7160), (301, 7169), (341, 7346), (343, 7358), (355, 7433), (360, 7457), (365, 7478), (391, 7562), (418, 7700), (427, 7718), (438, 7745), (454, 7769), (531, 7934), (538, 7943), (566, 8048), (567, 8057), (575, 8084), (598, 8174), (609, 8198), (616, 8210),

Gene: AbsoluteMadLad_8 Start: 4437, Stop: 6356, Start Num: 24

Candidate Starts for AbsoluteMadLad_8:

(Start: 24 @4437 has 377 MA's), (Start: 31 @4452 has 11 MA's), (Start: 81 @4548 has 4 MA's), (87, 4563), (116, 4674), (161, 4806), (168, 4830), (170, 4836), (172, 4848), (176, 4860), (235, 5025), (260, 5151), (261, 5154), (262, 5166), (265, 5175), (267, 5187), (286, 5250), (289, 5259), (301, 5295), (307, 5313), (310, 5322), (320, 5370), (340, 5466), (341, 5472), (349, 5508), (355, 5556), (360, 5580), (407, 5775), (438, 5868), (549, 6120), (584, 6255), (594, 6297), (598, 6309),

Gene: Abt2graduatex2_10 Start: 8030, Stop: 9832, Start Num: 58

Candidate Starts for Abt2graduatex2_10:

(Start: 58 @8030 has 10 MA's), (105, 8156), (112, 8189), (130, 8237), (150, 8276), (170, 8345), (200, 8414), (204, 8435), (235, 8543), (236, 8549), (258, 8645), (305, 8771), (315, 8816), (317, 8825), (326, 8858), (329, 8867), (334, 8894), (356, 9026), (438, 9320), (469, 9359), (480, 9383), (494, 9431), (508, 9479), (514, 9491), (541, 9542), (559, 9611), (582, 9701), (612, 9803), (618, 9821),

Gene: Acadian_10 Start: 6693, Stop: 8558, Start Num: 24

Candidate Starts for Acadian_10:

(Start: 24 @6693 has 377 MA's), (Start: 31 @6708 has 11 MA's), (55, 6750), (97, 6846), (104, 6858), (162, 7044), (165, 7056), (168, 7065), (216, 7182), (220, 7197), (263, 7374), (267, 7392), (288, 7452), (326, 7590), (334, 7626), (341, 7668), (343, 7680), (355, 7755), (360, 7779), (368, 7812), (372, 7824), (375, 7836), (386, 7860), (427, 8040), (432, 8058), (513, 8238), (527, 8259), (539, 8280), (565, 8382), (581, 8442), (616, 8550), (617, 8553),

Gene: Adriana_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Adriana_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Aelin_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Aelin_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Affeca_12 Start: 6664, Stop: 8292, Start Num: 11

Candidate Starts for Affeca_12:

(Start: 11 @6664 has 93 MA's), (42, 6784), (72, 6823), (91, 6862), (105, 6925), (132, 7018), (141, 7045), (153, 7084), (201, 7213), (218, 7273), (240, 7342), (244, 7363), (249, 7381), (252, 7396), (254, 7402), (266, 7465), (302, 7525), (306, 7537), (314, 7576), (317, 7588), (320, 7597), (325, 7630), (329, 7642), (335, 7672), (342, 7717), (345, 7732), (346, 7735), (351, 7771), (360, 7819), (363, 7828), (368, 7852), (369, 7855), (410, 8032), (433, 8089), (437, 8095), (450, 8110), (462, 8131), (485, 8179), (492, 8206),

Gene: Ailee_12 Start: 7526, Stop: 9148, Start Num: 11

Candidate Starts for Ailee_12:

(Start: 11 @7526 has 93 MA's), (42, 7646), (72, 7685), (83, 7706), (91, 7724), (105, 7787), (132, 7880), (141, 7907), (153, 7946), (201, 8075), (218, 8135), (240, 8204), (244, 8225), (249, 8243), (252, 8258), (254, 8264), (266, 8327), (302, 8387), (306, 8399), (314, 8438), (317, 8450), (320, 8459), (325, 8492), (329, 8504), (335, 8534), (342, 8579), (345, 8594), (346, 8597), (351, 8633), (360, 8681), (363, 8690), (369, 8717), (410, 8894), (433, 8951), (437, 8957), (450, 8972), (462, 8993), (464, 8999), (485, 9035), (492, 9062),

Gene: Akoma_11 Start: 6314, Stop: 8218, Start Num: 24

Candidate Starts for Akoma_11:

(Start: 24 @6314 has 377 MA's), (32, 6341), (80, 6422), (99, 6485), (116, 6551), (127, 6584), (164, 6692), (192, 6782), (215, 6860), (236, 6917), (246, 6971), (262, 7052), (267, 7073), (272, 7100), (295, 7151), (297, 7160), (301, 7169), (341, 7346), (343, 7358), (355, 7433), (360, 7457), (365, 7478), (391, 7562), (418, 7700), (427, 7718), (438, 7745), (454, 7769), (531, 7934), (538, 7943), (566, 8048), (567, 8057), (575, 8084), (584, 8120), (598, 8174), (599, 8177), (609, 8198), (616, 8210),

Gene: AlanGrant_10 Start: 7459, Stop: 9357, Start Num: 24

Candidate Starts for AlanGrant_10:

(Start: 24 @7459 has 377 MA's), (72, 7540), (99, 7621), (100, 7627), (114, 7681), (148, 7768), (153, 7786), (170, 7846), (175, 7867), (202, 7927), (234, 8023), (244, 8077), (262, 8167), (268, 8194), (286, 8245), (310, 8317), (320, 8365), (322, 8380), (334, 8425), (341, 8467), (360, 8578), (362, 8584), (368, 8611), (386, 8659), (428, 8842), (470, 8917), (517, 9037), (526, 9046), (527, 9049), (547, 9106), (549, 9112), (566, 9175), (567, 9184), (605, 9328), (616, 9349),

Gene: Ali17_11 Start: 6421, Stop: 8055, Start Num: 11

Candidate Starts for Ali17_11:

(Start: 11 @6421 has 93 MA's), (13, 6448), (15, 6457), (Start: 22 @6493 has 2 MA's), (34, 6535), (Start: 46 @6559 has 35 MA's), (83, 6616), (94, 6649), (105, 6694), (111, 6724), (113, 6733), (121, 6757), (126, 6772), (153, 6853), (169, 6910), (196, 6970), (201, 6982), (204, 7000), (218, 7042), (244, 7132), (249, 7150), (252, 7165), (254, 7171), (264, 7225), (270, 7246), (306, 7306), (307, 7309), (320, 7366), (323, 7390), (335, 7441), (342, 7486), (346, 7504), (350, 7525), (360, 7588), (365, 7609), (369, 7624), (387, 7675), (406, 7780), (410, 7801), (420, 7831), (430, 7849), (464, 7915), (475, 7936), (493, 7990),

Gene: Allegro_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Allegro_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: AltPhacts_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for AltPhacts_8:

(Start: 24 @4442 has 377 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Altheas_24 Start: 9157, Stop: 10980, Start Num: 46

Candidate Starts for Altheas_24:

(Start: 46 @9157 has 35 MA's), (125, 9388), (135, 9409), (148, 9433), (150, 9442), (161, 9481), (189, 9559), (200, 9577), (262, 9799), (278, 9868), (299, 9916), (335, 10060), (342, 10105), (343, 10111), (346, 10123), (355, 10183), (391, 10312), (392, 10318), (416, 10444), (433, 10489), (491, 10594), (534, 10684), (545, 10720), (547, 10738), (560, 10783), (608, 10957),

Gene: Altwerkus_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Altwerkus_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: AluminumJesus_20 Start: 8498, Stop: 10324, Start Num: 46

Candidate Starts for AluminumJesus_20:

(Start: 46 @8498 has 35 MA's), (150, 8783), (161, 8822), (164, 8834), (189, 8900), (200, 8918), (249, 9068), (252, 9083), (262, 9140), (299, 9257), (302, 9266), (335, 9401), (342, 9446), (343, 9452), (346, 9464), (355, 9524), (391, 9653), (392, 9659), (396, 9686), (416, 9785), (433, 9830), (534, 10025), (545, 10061), (547, 10079), (560, 10124),

Gene: AnClar_7 Start: 5605, Stop: 7446, Start Num: 24

Candidate Starts for AnClar_7:

(Start: 24 @5605 has 377 MA's), (Start: 86 @5719 has 2 MA's), (97, 5761), (114, 5824), (164, 5956), (170, 5974), (200, 6028), (204, 6049), (244, 6181), (252, 6214), (262, 6271), (263, 6274), (267, 6292),

(277, 6343), (286, 6364), (316, 6472), (320, 6484), (341, 6586), (369, 6733), (372, 6742), (390, 6799), (495, 7078), (531, 7165), (537, 7171), (556, 7246), (559, 7252), (566, 7273), (587, 7354), (594, 7387), (598, 7399), (609, 7423), (611, 7426),

Gene: AnarQue_10 Start: 6780, Stop: 8627, Start Num: 24

Candidate Starts for AnarQue_10:

(Start: 24 @6780 has 377 MA's), (Start: 86 @6894 has 2 MA's), (97, 6936), (114, 6999), (136, 7065), (174, 7170), (227, 7293), (230, 7299), (234, 7308), (236, 7317), (263, 7455), (267, 7473), (307, 7614), (312, 7641), (316, 7659), (320, 7671), (333, 7722), (341, 7773), (355, 7860), (360, 7884), (427, 8142), (466, 8202), (470, 8211), (490, 8259), (537, 8352), (538, 8355), (556, 8427), (559, 8433), (566, 8454), (581, 8511), (583, 8523), (590, 8556), (594, 8568), (598, 8580), (603, 8592), (609, 8604), (611, 8607),

Gene: Anderson_8 Start: 4456, Stop: 6360, Start Num: 31

Candidate Starts for Anderson_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Andre_9 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Andre_9:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Angelicage_12 Start: 7093, Stop: 8715, Start Num: 11

Candidate Starts for Angelicage_12:

(Start: 11 @7093 has 93 MA's), (42, 7213), (72, 7252), (83, 7273), (91, 7291), (105, 7354), (132, 7447), (141, 7474), (153, 7513), (201, 7642), (218, 7702), (240, 7771), (244, 7792), (249, 7810), (252, 7825), (254, 7831), (266, 7894), (302, 7954), (306, 7966), (314, 8005), (317, 8017), (320, 8026), (325, 8059), (329, 8071), (335, 8101), (342, 8146), (345, 8161), (346, 8164), (351, 8200), (360, 8248), (363, 8257), (369, 8284), (410, 8461), (433, 8518), (437, 8524), (450, 8539), (462, 8560), (464, 8566), (485, 8602), (492, 8629),

Gene: Antares_20 Start: 8653, Stop: 10359, Start Num: 12

Candidate Starts for Antares_20:

(Start: 12 @8653 has 34 MA's), (Start: 14 @8662 has 13 MA's), (16, 8677), (55, 8776), (59, 8782), (97, 8887), (101, 8899), (129, 9004), (133, 9016), (150, 9070), (155, 9088), (170, 9142), (177, 9172), (197, 9211), (203, 9229), (204, 9238), (216, 9274), (236, 9337), (249, 9400), (256, 9427), (262, 9472), (306, 9574), (307, 9577), (315, 9616), (320, 9634), (337, 9706), (349, 9772), (350, 9781), (355, 9820), (363, 9853), (371, 9886), (373, 9892), (383, 9922), (412, 10075), (418, 10090), (428, 10111), (429, 10114), (518, 10318), (522, 10327),

Gene: Antonia_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Antonia_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Apex_8 Start: 6292, Stop: 8181, Start Num: 24

Candidate Starts for Apex_8:

(Start: 24 @6292 has 377 MA's), (Start: 31 @6307 has 11 MA's), (79, 6388), (85, 6403), (99, 6454), (104, 6463), (114, 6514), (153, 6619), (170, 6679), (204, 6775), (233, 6853), (234, 6856), (236, 6865), (244, 6910), (262, 7000), (263, 7003), (288, 7081), (292, 7093), (320, 7195), (334, 7255), (341, 7297), (343, 7309), (360, 7408), (362, 7414), (368, 7441), (370, 7447), (373, 7456), (386, 7489), (406, 7597), (517, 7861), (526, 7870), (527, 7873), (549, 7936), (565, 7996), (566, 7999), (567, 8008), (594, 8122), (613, 8167), (616, 8173),

Gene: Apizium_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Apizium_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Arbiter_12 Start: 7818, Stop: 9707, Start Num: 24

Candidate Starts for Arbiter_12:

(Start: 24 @7818 has 377 MA's), (44, 7866), (Start: 56 @7890 has 2 MA's), (72, 7908), (Start: 86 @7941 has 2 MA's), (114, 8049), (144, 8133), (164, 8196), (174, 8232), (195, 8283), (200, 8295), (204, 8316), (234, 8394), (236, 8403), (244, 8448), (262, 8538), (263, 8541), (265, 8547), (267, 8559), (270, 8574), (272, 8586), (305, 8670), (312, 8703), (316, 8721), (329, 8766), (341, 8835), (343, 8847), (355, 8922), (360, 8946), (362, 8952), (368, 8979), (372, 8991), (374, 8997), (386, 9027), (387, 9030), (392, 9057), (403, 9123), (405, 9132), (427, 9207), (443, 9243), (530, 9426), (531, 9429), (539, 9441), (562, 9528), (566, 9537), (567, 9546), (570, 9561), (580, 9591), (584, 9609), (588, 9624), (594, 9651), (598, 9663), (616, 9699),

Gene: Ares_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Ares_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (200, 8205), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: Argie_7 Start: 3607, Stop: 5463, Start Num: 24

Candidate Starts for Argie_7:

(Start: 20 @3589 has 6 MA's), (Start: 24 @3607 has 377 MA's), (Start: 56 @3664 has 2 MA's), (108, 3802), (114, 3832), (134, 3886), (170, 3997), (212, 4126), (234, 4183), (236, 4192), (244, 4237), (249, 4255), (264, 4333), (265, 4336), (301, 4420), (309, 4444), (313, 4468), (341, 4597), (343, 4609), (349, 4633), (355, 4684), (368, 4741), (372, 4753), (411, 4927), (438, 4996), (556, 5248), (594, 5389), (598, 5401), (617, 5443),

Gene: Ariadne_28 Start: 10109, Stop: 11824, Start Num: 14

Candidate Starts for Ariadne_28:

(Start: 12 @10100 has 34 MA's), (Start: 14 @10109 has 13 MA's), (59, 10229), (97, 10334), (101, 10346), (127, 10445), (150, 10517), (155, 10535), (214, 10715), (216, 10721), (223, 10745), (236, 10784), (249, 10847), (256, 10874), (262, 10919), (306, 11021), (307, 11024), (315, 11063), (317,

11072), (329, 11114), (337, 11153), (349, 11219), (350, 11228), (351, 11243), (355, 11267), (371, 11333), (373, 11339), (383, 11366), (412, 11519), (419, 11537), (435, 11579), (446, 11603), (460, 11624), (487, 11660), (532, 11801), (536, 11813),

Gene: Arri_13 Start: 5627, Stop: 7213, Start Num: 11

Candidate Starts for Arri_13:

(Start: 11 @5627 has 93 MA's), (107, 5879), (113, 5909), (153, 6026), (158, 6047), (163, 6062), (233, 6236), (242, 6278), (246, 6302), (247, 6305), (258, 6344), (270, 6416), (306, 6476), (307, 6479), (308, 6482), (315, 6518), (317, 6527), (319, 6533), (320, 6536), (335, 6599), (342, 6644), (349, 6674), (355, 6722), (369, 6779), (372, 6788), (375, 6800), (392, 6857), (400, 6908),

Gene: Ashertheman_12 Start: 6272, Stop: 7900, Start Num: 11

Candidate Starts for Ashertheman_12:

(Start: 11 @6272 has 93 MA's), (42, 6395), (Start: 58 @6416 has 10 MA's), (91, 6473), (105, 6536), (111, 6566), (132, 6629), (141, 6656), (201, 6824), (230, 6911), (239, 6950), (244, 6974), (249, 6992), (252, 7007), (254, 7013), (266, 7076), (306, 7148), (314, 7187), (329, 7253), (335, 7283), (342, 7328), (345, 7343), (346, 7346), (351, 7382), (360, 7430), (363, 7439), (369, 7466), (381, 7493), (391, 7538), (404, 7613), (410, 7643), (414, 7661), (433, 7700), (437, 7706), (450, 7721), (462, 7742), (464, 7748), (485, 7784), (493, 7817),

Gene: Ashraf_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Ashraf_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Asis_10 Start: 8087, Stop: 9889, Start Num: 58

Candidate Starts for Asis_10:

(Start: 58 @8087 has 10 MA's), (105, 8213), (110, 8234), (112, 8246), (130, 8294), (150, 8333), (162, 8375), (170, 8402), (200, 8471), (204, 8492), (208, 8513), (233, 8591), (235, 8597), (236, 8603), (258, 8699), (265, 8747), (305, 8825), (315, 8870), (317, 8879), (326, 8912), (334, 8948), (356, 9080), (438, 9377), (467, 9413), (486, 9458), (497, 9503), (508, 9536), (514, 9548), (541, 9599), (552, 9650), (559, 9668), (570, 9716), (572, 9722), (592, 9803), (602, 9833), (612, 9860), (618, 9878),

Gene: Athena_12 Start: 7077, Stop: 8981, Start Num: 24

Candidate Starts for Athena_12:

(Start: 24 @7077 has 377 MA's), (32, 7104), (80, 7185), (99, 7248), (116, 7314), (127, 7347), (164, 7455), (192, 7545), (215, 7623), (236, 7680), (246, 7734), (262, 7815), (267, 7836), (272, 7863), (295, 7914), (297, 7923), (301, 7932), (341, 8109), (343, 8121), (355, 8196), (360, 8220), (365, 8241), (391, 8325), (418, 8463), (427, 8481), (438, 8508), (454, 8532), (531, 8697), (538, 8706), (566, 8811), (567, 8820), (575, 8847), (598, 8937), (609, 8961), (616, 8973),

Gene: Atuin_73 Start: 31058, Stop: 32686, Start Num: 27

Candidate Starts for Atuin_73:

(27, 31058), (112, 31298), (170, 31475), (236, 31673), (269, 31835), (291, 31877), (294, 31889), (306, 31925), (344, 32105), (359, 32192), (383, 32270), (440, 32501), (483, 32588), (511, 32636), (530, 32675),

Gene: Audrey_11 Start: 6314, Stop: 8218, Start Num: 24

Candidate Starts for Audrey_11:

(Start: 24 @6314 has 377 MA's), (32, 6341), (80, 6422), (99, 6485), (116, 6551), (127, 6584), (164, 6692), (192, 6782), (215, 6860), (236, 6917), (246, 6971), (262, 7052), (267, 7073), (272, 7100), (295, 7151), (297, 7160), (301, 7169), (341, 7346), (343, 7358), (355, 7433), (360, 7457), (365, 7478), (391, 7562), (418, 7700), (427, 7718), (438, 7745), (454, 7769), (531, 7934), (538, 7943), (566, 8048), (567, 8057), (575, 8084), (598, 8174), (599, 8177), (609, 8198), (616, 8210),

Gene: Austelle_9 Start: 6748, Stop: 8637, Start Num: 24

Candidate Starts for Austelle_9:

(Start: 24 @6748 has 377 MA's), (Start: 31 @6763 has 11 MA's), (79, 6844), (85, 6859), (99, 6910), (104, 6919), (114, 6970), (153, 7075), (170, 7135), (204, 7231), (233, 7309), (234, 7312), (236, 7321), (244, 7366), (262, 7456), (263, 7459), (288, 7537), (292, 7549), (320, 7651), (334, 7711), (341, 7753), (343, 7765), (355, 7840), (360, 7864), (362, 7870), (363, 7873), (368, 7897), (370, 7903), (373, 7912), (386, 7945), (392, 7975), (517, 8317), (526, 8326), (527, 8329), (549, 8392), (566, 8455), (567, 8464), (594, 8578), (613, 8623), (616, 8629),

Gene: Axumite_8 Start: 5303, Stop: 7141, Start Num: 24

Candidate Starts for Axumite_8:

(Start: 24 @5303 has 377 MA's), (Start: 45 @5351 has 2 MA's), (Start: 86 @5417 has 2 MA's), (97, 5459), (138, 5591), (164, 5654), (170, 5672), (234, 5825), (236, 5834), (244, 5879), (252, 5912), (262, 5969), (263, 5972), (267, 5990), (273, 6023), (284, 6050), (316, 6161), (320, 6173), (322, 6188), (341, 6275), (343, 6287), (355, 6362), (360, 6386), (369, 6422), (371, 6428), (372, 6431), (373, 6434), (386, 6467), (537, 6866), (538, 6869), (539, 6872), (556, 6941), (559, 6947), (566, 6968), (575, 7004), (587, 7049), (590, 7070), (598, 7094), (603, 7106), (609, 7118), (611, 7121),

Gene: BabyDotz_21 Start: 8763, Stop: 10589, Start Num: 46

Candidate Starts for BabyDotz_21:

(Start: 46 @8763 has 35 MA's), (150, 9048), (161, 9087), (189, 9165), (200, 9183), (249, 9333), (252, 9348), (262, 9405), (278, 9474), (299, 9522), (302, 9531), (335, 9666), (342, 9711), (343, 9717), (346, 9729), (355, 9789), (391, 9918), (392, 9924), (396, 9951), (416, 10050), (433, 10095), (534, 10290), (545, 10326), (547, 10344), (560, 10389),

Gene: BabyGotBac_10 Start: 8087, Stop: 9889, Start Num: 58

Candidate Starts for BabyGotBac_10:

(Start: 58 @8087 has 10 MA's), (105, 8213), (110, 8234), (112, 8246), (130, 8294), (150, 8333), (162, 8375), (170, 8402), (200, 8471), (204, 8492), (208, 8513), (233, 8591), (235, 8597), (236, 8603), (258, 8699), (265, 8747), (305, 8825), (315, 8870), (317, 8879), (326, 8912), (334, 8948), (356, 9080), (438, 9377), (467, 9413), (486, 9458), (497, 9503), (514, 9548), (541, 9599), (552, 9650), (559, 9668), (570, 9716), (592, 9803), (602, 9833), (612, 9860), (618, 9878),

Gene: Baddon_12 Start: 6982, Stop: 8613, Start Num: 11

Candidate Starts for Baddon_12:

(Start: 11 @6982 has 93 MA's), (42, 7105), (Start: 58 @7126 has 10 MA's), (91, 7183), (105, 7246), (111, 7276), (132, 7339), (141, 7366), (196, 7522), (201, 7534), (230, 7621), (239, 7660), (244, 7684), (249, 7702), (252, 7717), (254, 7723), (266, 7786), (306, 7858), (310, 7870), (314, 7897), (320, 7918), (329, 7963), (335, 7993), (342, 8038), (345, 8053), (346, 8056), (351, 8092), (360, 8140), (363, 8149), (391, 8248), (400, 8305), (404, 8323), (410, 8353), (414, 8371), (433, 8410), (437, 8416), (450, 8431), (462, 8452), (464, 8458), (485, 8497),

Gene: Badfish_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Badfish_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307,

5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Bae_10 Start: 6699, Stop: 8567, Start Num: 24

Candidate Starts for Bae_10:

(Start: 24 @6699 has 377 MA's), (32, 6723), (90, 6819), (97, 6855), (104, 6867), (162, 7053), (168, 7074), (170, 7080), (216, 7191), (220, 7206), (236, 7245), (263, 7383), (267, 7401), (288, 7461), (326, 7599), (341, 7677), (343, 7689), (360, 7788), (368, 7821), (372, 7833), (375, 7845), (386, 7869), (432, 8067), (513, 8247), (527, 8268), (528, 8271), (539, 8289), (565, 8391), (581, 8451), (616, 8559), (617, 8562),

Gene: Bakery_13 Start: 5328, Stop: 6914, Start Num: 11

Candidate Starts for Bakery_13:

(Start: 11 @5328 has 93 MA's), (42, 5442), (98, 5544), (113, 5610), (124, 5643), (154, 5730), (158, 5748), (246, 6003), (247, 6006), (258, 6045), (270, 6117), (306, 6177), (307, 6180), (308, 6183), (314, 6216), (315, 6219), (317, 6228), (319, 6234), (320, 6237), (335, 6300), (342, 6345), (349, 6375), (355, 6423), (369, 6480), (372, 6489), (375, 6501), (392, 6558), (400, 6609),

Gene: Baloo_11 Start: 6314, Stop: 8218, Start Num: 24

Candidate Starts for Baloo_11:

(Start: 24 @6314 has 377 MA's), (32, 6341), (80, 6422), (99, 6485), (116, 6551), (127, 6584), (164, 6692), (192, 6782), (215, 6860), (236, 6917), (246, 6971), (262, 7052), (267, 7073), (272, 7100), (295, 7151), (297, 7160), (301, 7169), (341, 7346), (343, 7358), (355, 7433), (360, 7457), (365, 7478), (391, 7562), (418, 7700), (427, 7718), (438, 7745), (454, 7769), (531, 7934), (538, 7943), (566, 8048), (567, 8057), (575, 8084), (598, 8174), (609, 8198), (616, 8210),

Gene: Bananafish_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Bananafish_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (200, 8205), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: Banjo_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Banjo_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Barb_12 Start: 5583, Stop: 7169, Start Num: 11

Candidate Starts for Barb_12:

(Start: 11 @5583 has 93 MA's), (107, 5835), (113, 5865), (153, 5982), (158, 6003), (163, 6018), (233, 6192), (242, 6234), (246, 6258), (247, 6261), (258, 6300), (270, 6372), (306, 6432), (307, 6435), (308, 6438), (315, 6474), (317, 6483), (319, 6489), (320, 6492), (335, 6555), (342, 6600), (349, 6630), (355, 6678), (369, 6735), (375, 6756), (386, 6783), (387, 6786), (392, 6813), (400, 6864), (410, 6912),

Gene: Barsten_13 Start: 6478, Stop: 8100, Start Num: 11

Candidate Starts for Barsten_13:

(Start: 11 @6478 has 93 MA's), (72, 6637), (91, 6676), (105, 6739), (132, 6832), (141, 6859), (153, 6898), (201, 7027), (218, 7087), (240, 7156), (244, 7177), (249, 7195), (252, 7210), (254, 7216), (266, 7279), (302, 7339), (306, 7351), (314, 7390), (317, 7402), (320, 7411), (325, 7444), (329, 7456), (335, 7486), (342, 7531), (345, 7546), (346, 7549), (351, 7585), (360, 7633), (363, 7642), (369, 7669), (410, 7846), (433, 7903), (437, 7909), (450, 7924), (462, 7945), (464, 7951), (485, 7987), (492, 8014),

Gene: Basato_9 Start: 4786, Stop: 6594, Start Num: 81

Candidate Starts for Basato_9:

(Start: 24 @4675 has 377 MA's), (Start: 81 @4786 has 4 MA's), (87, 4801), (116, 4912), (161, 5044), (168, 5068), (170, 5074), (172, 5086), (176, 5098), (235, 5263), (260, 5389), (261, 5392), (262, 5404), (265, 5413), (267, 5425), (286, 5488), (289, 5497), (301, 5533), (307, 5551), (310, 5560), (320, 5608), (340, 5704), (341, 5710), (349, 5746), (355, 5794), (360, 5818), (407, 6013), (438, 6106), (549, 6358), (584, 6493), (594, 6535), (598, 6547),

Gene: BatteryCK_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for BatteryCK_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Baumdotcom_12 Start: 6295, Stop: 7923, Start Num: 11

Candidate Starts for Baumdotcom_12:

(Start: 11 @6295 has 93 MA's), (42, 6418), (Start: 58 @6439 has 10 MA's), (91, 6496), (105, 6559), (111, 6589), (132, 6652), (141, 6679), (201, 6847), (230, 6934), (239, 6973), (244, 6997), (249, 7015), (252, 7030), (254, 7036), (266, 7099), (306, 7171), (314, 7210), (329, 7276), (335, 7306), (342, 7351), (345, 7366), (346, 7369), (351, 7405), (360, 7453), (363, 7462), (369, 7489), (381, 7516), (391, 7561), (400, 7618), (404, 7636), (410, 7666), (414, 7684), (433, 7723), (437, 7729), (450, 7744), (462, 7765), (464, 7771), (485, 7807), (493, 7840),

Gene: BayC_10 Start: 8087, Stop: 9889, Start Num: 58

Candidate Starts for BayC_10:

(Start: 58 @8087 has 10 MA's), (105, 8213), (110, 8234), (112, 8246), (130, 8294), (150, 8333), (162, 8375), (170, 8402), (200, 8471), (204, 8492), (208, 8513), (233, 8591), (235, 8597), (236, 8603), (258, 8699), (265, 8747), (305, 8825), (315, 8870), (317, 8879), (326, 8912), (334, 8948), (356, 9080), (438, 9377), (467, 9413), (497, 9503), (508, 9536), (514, 9548), (541, 9599), (552, 9650), (559, 9668), (570, 9716), (572, 9722), (592, 9803), (602, 9833), (612, 9860), (618, 9878),

Gene: Beagle_23 Start: 9245, Stop: 11137, Start Num: 43

Candidate Starts for Beagle_23:

(Start: 43 @9245 has 7 MA's), (47, 9254), (68, 9293), (108, 9416), (111, 9434), (147, 9509), (168, 9584), (246, 9827), (306, 10019), (343, 10193), (346, 10205), (377, 10355), (391, 10406), (396, 10439), (397, 10445), (403, 10478), (410, 10514), (417, 10541), (432, 10580), (442, 10601), (447, 10613), (449, 10619), (547, 10883), (579, 11000), (606, 11096),

Gene: Beaglebox_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Beaglebox_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407,

5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Ben11_10 Start: 6162, Stop: 8066, Start Num: 24

Candidate Starts for Ben11_10:

(Start: 24 @6162 has 377 MA's), (32, 6189), (80, 6270), (99, 6333), (116, 6399), (127, 6432), (164, 6540), (192, 6630), (215, 6708), (236, 6765), (246, 6819), (262, 6900), (267, 6921), (272, 6948), (295, 6999), (297, 7008), (301, 7017), (341, 7194), (343, 7206), (355, 7281), (360, 7305), (365, 7326), (391, 7410), (418, 7548), (427, 7566), (438, 7593), (454, 7617), (531, 7782), (538, 7791), (566, 7896), (567, 7905), (575, 7932), (598, 8022), (599, 8025), (609, 8046), (616, 8058),

Gene: Bernardo_11 Start: 6342, Stop: 8240, Start Num: 24

Candidate Starts for Bernardo_11:

(Start: 24 @6342 has 377 MA's), (32, 6369), (80, 6450), (99, 6513), (116, 6579), (127, 6612), (164, 6720), (192, 6810), (215, 6888), (236, 6945), (246, 6999), (262, 7080), (267, 7101), (272, 7128), (295, 7179), (297, 7188), (301, 7197), (341, 7374), (343, 7386), (355, 7461), (360, 7485), (365, 7506), (391, 7590), (418, 7728), (427, 7746), (438, 7773), (454, 7797), (531, 7956), (538, 7965), (566, 8070), (567, 8079), (575, 8106), (584, 8142), (598, 8196), (599, 8199), (609, 8220), (616, 8232),

Gene: Bibwit_12 Start: 7349, Stop: 8971, Start Num: 11

Candidate Starts for Bibwit_12:

(Start: 11 @7349 has 93 MA's), (72, 7508), (91, 7547), (105, 7610), (132, 7703), (141, 7730), (153, 7769), (201, 7898), (218, 7958), (240, 8027), (244, 8048), (249, 8066), (252, 8081), (254, 8087), (266, 8150), (302, 8210), (306, 8222), (314, 8261), (317, 8273), (320, 8282), (329, 8327), (335, 8357), (342, 8402), (345, 8417), (346, 8420), (351, 8456), (360, 8504), (363, 8513), (369, 8540), (410, 8717), (433, 8774), (437, 8780), (450, 8795), (462, 8816), (464, 8822), (485, 8858), (492, 8885),

Gene: Big4_71 Start: 29132, Stop: 30859, Start Num: 31

Candidate Starts for Big4_71:

(Start: 31 @29132 has 11 MA's), (Start: 53 @29186 has 1 MA's), (64, 29210), (82, 29261), (93, 29297), (119, 29399), (142, 29450), (152, 29483), (170, 29549), (234, 29756), (244, 29810), (306, 30026), (329, 30119), (335, 30149), (350, 30233), (354, 30269), (359, 30293), (367, 30326), (372, 30341), (417, 30545), (418, 30548), (419, 30551), (440, 30602), (501, 30773),

Gene: BiggityBass_7 Start: 5116, Stop: 6957, Start Num: 24

Candidate Starts for BiggityBass_7:

(Start: 24 @5116 has 377 MA's), (Start: 86 @5230 has 2 MA's), (97, 5272), (114, 5335), (164, 5467), (170, 5485), (204, 5560), (244, 5692), (252, 5725), (262, 5782), (263, 5785), (267, 5803), (277, 5854), (316, 5983), (320, 5995), (322, 6010), (341, 6097), (369, 6244), (372, 6253), (374, 6259), (390, 6310), (495, 6589), (531, 6676), (537, 6682), (556, 6757), (559, 6763), (566, 6784), (587, 6865), (594, 6898), (598, 6910), (609, 6934), (611, 6937),

Gene: BirdInFrench_21 Start: 7665, Stop: 9464, Start Num: 46

Candidate Starts for BirdInFrench_21:

(Start: 46 @7665 has 35 MA's), (161, 7980), (170, 8010), (200, 8076), (271, 8343), (285, 8388), (314, 8475), (326, 8520), (334, 8556), (342, 8604), (343, 8610), (346, 8622), (351, 8658), (355, 8682), (391, 8817), (410, 8925), (415, 8946), (448, 9027), (534, 9165), (545, 9201), (561, 9267), (577, 9336), (588, 9369), (608, 9438),

Gene: BirdsNest_12 Start: 5147, Stop: 7066, Start Num: 24

Candidate Starts for BirdsNest_12:

(Start: 24 @5147 has 377 MA's), (162, 5522), (165, 5534), (176, 5573), (196, 5624), (202, 5639), (237, 5750), (244, 5789), (260, 5864), (261, 5867), (267, 5900), (278, 5948), (289, 5972), (292, 5981), (297, 5999), (310, 6035), (333, 6134), (341, 6185), (349, 6221), (360, 6293), (418, 6536), (427, 6554), (524,

6770), (537, 6782), (566, 6893), (567, 6902), (570, 6917), (584, 6965), (613, 7052),

Gene: Bishoperium_8 Start: 4457, Stop: 6361, Start Num: 31

Candidate Starts for Bishoperium_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Bizzy_13 Start: 6469, Stop: 8097, Start Num: 11

Candidate Starts for Bizzy_13:

(Start: 11 @6469 has 93 MA's), (Start: 58 @6613 has 10 MA's), (91, 6670), (105, 6733), (111, 6763), (132, 6826), (141, 6853), (201, 7021), (230, 7108), (239, 7147), (244, 7171), (249, 7189), (252, 7204), (254, 7210), (266, 7273), (306, 7345), (314, 7384), (329, 7450), (335, 7480), (342, 7525), (345, 7540), (346, 7543), (351, 7579), (360, 7627), (363, 7636), (369, 7663), (381, 7690), (391, 7735), (404, 7810), (410, 7840), (414, 7858), (433, 7897), (437, 7903), (450, 7918), (462, 7939), (464, 7945), (485, 7981), (493, 8014),

Gene: Blab_20 Start: 8374, Stop: 10200, Start Num: 46

Candidate Starts for Blab_20:

(Start: 46 @8374 has 35 MA's), (150, 8659), (161, 8698), (189, 8776), (200, 8794), (249, 8944), (252, 8959), (262, 9016), (299, 9133), (302, 9142), (335, 9277), (342, 9322), (343, 9328), (346, 9340), (355, 9400), (391, 9529), (392, 9535), (396, 9562), (416, 9661), (433, 9706), (534, 9901), (545, 9937), (547, 9955), (560, 10000),

Gene: BlackStallion_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for BlackStallion_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Blocker23_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Blocker23_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Bloom_80 Start: 33695, Stop: 35374, Start Num: 27

Candidate Starts for Bloom_80:

(Start: 25 @33689 has 1 MA's), (27, 33695), (70, 33800), (110, 33923), (112, 33935), (155, 34058), (236, 34310), (244, 34355), (288, 34511), (291, 34520), (294, 34532), (306, 34568), (311, 34589), (349, 34766), (431, 35120), (462, 35186), (464, 35192), (511, 35318), (516, 35327), (530, 35363),

Gene: BlueHusk_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for BlueHusk_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: BlueNGold_76 Start: 31373, Stop: 33103, Start Num: 24

Candidate Starts for BlueNGold_76:

(Start: 24 @31373 has 377 MA's), (64, 31451), (83, 31505), (90, 31517), (112, 31604), (116, 31619), (146, 31709), (166, 31784), (191, 31874), (241, 32069), (244, 32087), (245, 32090), (249, 32105), (252, 32120), (257, 32135), (260, 32162), (268, 32201), (328, 32372), (335, 32405), (343, 32456), (347, 32471), (349, 32480), (361, 32555), (362, 32558), (367, 32582), (418, 32807), (426, 32822), (435, 32852), (459, 32900), (464, 32915), (468, 32921),

Gene: Bluephacebaby_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Bluephacebaby_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: BobBob_10 Start: 6015, Stop: 7637, Start Num: 11

Candidate Starts for BobBob_10:

(Start: 11 @6015 has 93 MA's), (72, 6174), (91, 6213), (105, 6276), (132, 6369), (141, 6396), (153, 6435), (197, 6555), (201, 6564), (218, 6624), (240, 6693), (244, 6714), (249, 6732), (252, 6747), (254, 6753), (266, 6816), (302, 6876), (306, 6888), (314, 6927), (317, 6939), (320, 6948), (329, 6993), (335, 7023), (342, 7068), (345, 7083), (346, 7086), (351, 7122), (360, 7170), (363, 7179), (369, 7206), (410, 7383), (433, 7440), (437, 7446), (450, 7461), (462, 7482), (464, 7488), (485, 7524), (492, 7551),

Gene: BobbyK_9 Start: 6745, Stop: 8634, Start Num: 24

Candidate Starts for BobbyK_9:

(Start: 24 @6745 has 377 MA's), (Start: 31 @6760 has 11 MA's), (79, 6841), (85, 6856), (99, 6907), (104, 6916), (114, 6967), (153, 7072), (170, 7132), (204, 7228), (233, 7306), (234, 7309), (236, 7318), (244, 7363), (262, 7453), (263, 7456), (288, 7534), (292, 7546), (320, 7648), (334, 7708), (341, 7750), (343, 7762), (355, 7837), (360, 7861), (362, 7867), (368, 7894), (370, 7900), (373, 7909), (386, 7942), (392, 7972), (517, 8314), (526, 8323), (527, 8326), (549, 8389), (565, 8449), (566, 8452), (567, 8461), (594, 8575), (603, 8599), (616, 8626),

Gene: Boehler_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Boehler_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Boopy_77 Start: 31385, Stop: 33115, Start Num: 24

Candidate Starts for Boopy_77:

(Start: 24 @31385 has 377 MA's), (64, 31463), (83, 31517), (90, 31529), (112, 31616), (116, 31631), (146, 31721), (166, 31796), (191, 31886), (241, 32081), (244, 32099), (245, 32102), (249, 32117), (252, 32132), (257, 32147), (260, 32174), (268, 32213), (328, 32384), (335, 32417), (343, 32468), (347, 32483), (349, 32492), (361, 32567), (362, 32570), (367, 32594), (418, 32819), (426, 32834),

(435, 32864), (459, 32912), (464, 32927), (468, 32933),

Gene: Boyle_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Boyle_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Brandonk123_15 Start: 7162, Stop: 8784, Start Num: 11

Candidate Starts for Brandonk123_15:

(Start: 11 @7162 has 93 MA's), (72, 7321), (91, 7360), (105, 7423), (132, 7516), (141, 7543), (153, 7582), (197, 7702), (201, 7711), (218, 7771), (240, 7840), (244, 7861), (249, 7879), (252, 7894), (254, 7900), (266, 7963), (302, 8023), (306, 8035), (314, 8074), (317, 8086), (320, 8095), (329, 8140), (335, 8170), (342, 8215), (345, 8230), (346, 8233), (351, 8269), (360, 8317), (363, 8326), (369, 8353), (410, 8530), (433, 8587), (437, 8593), (450, 8608), (462, 8629), (464, 8635), (485, 8671), (492, 8698),

Gene: BrazzalePHS_19 Start: 8484, Stop: 10151, Start Num: 14

Candidate Starts for BrazzalePHS_19:

(Start: 12 @8475 has 34 MA's), (Start: 14 @8484 has 13 MA's), (55, 8598), (59, 8604), (97, 8709), (101, 8721), (127, 8820), (129, 8826), (133, 8838), (150, 8892), (155, 8910), (170, 8964), (177, 8994), (197, 9033), (203, 9051), (204, 9060), (216, 9096), (236, 9159), (249, 9222), (256, 9249), (306, 9396), (307, 9399), (315, 9438), (320, 9456), (337, 9528), (349, 9594), (350, 9603), (363, 9675), (371, 9708), (373, 9714), (383, 9744), (386, 9759), (412, 9897), (418, 9912), (428, 9933), (429, 9936),

Gene: Briakila_11 Start: 7103, Stop: 9007, Start Num: 24

Candidate Starts for Briakila_11:

(Start: 24 @7103 has 377 MA's), (32, 7130), (80, 7211), (99, 7274), (116, 7340), (127, 7373), (164, 7481), (192, 7571), (215, 7649), (236, 7706), (246, 7760), (262, 7841), (267, 7862), (272, 7889), (295, 7940), (297, 7949), (301, 7958), (341, 8135), (343, 8147), (355, 8222), (360, 8246), (365, 8267), (391, 8351), (418, 8489), (427, 8507), (438, 8534), (454, 8558), (531, 8723), (538, 8732), (566, 8837), (567, 8846), (575, 8873), (598, 8963), (599, 8966), (609, 8987), (616, 8999),

Gene: Brilliant_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for Brilliant_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: BrownCNA_10 Start: 6999, Stop: 8888, Start Num: 24

Candidate Starts for BrownCNA_10:

(Start: 24 @6999 has 377 MA's), (Start: 31 @7014 has 11 MA's), (79, 7095), (85, 7110), (99, 7161), (104, 7170), (114, 7221), (153, 7326), (170, 7386), (204, 7482), (233, 7560), (234, 7563), (236, 7572), (244, 7617), (262, 7707), (263, 7710), (288, 7788), (292, 7800), (316, 7890), (320, 7902), (334, 7962), (341, 8004), (343, 8016), (360, 8115), (362, 8121), (368, 8148), (370, 8154), (373, 8163), (386, 8196), (517, 8568), (526, 8577), (527, 8580), (549, 8643), (565, 8703), (566, 8706), (567, 8715), (594, 8829), (603, 8853), (616, 8880),

Gene: Brownie5_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Brownie5_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: BruhMoment_18 Start: 8617, Stop: 10521, Start Num: 41

Candidate Starts for BruhMoment_18:

(Start: 41 @8617 has 1 MA's), (Start: 45 @8626 has 2 MA's), (111, 8815), (148, 8890), (161, 8938), (168, 8962), (201, 9040), (219, 9103), (262, 9283), (265, 9292), (267, 9304), (299, 9379), (303, 9391), (306, 9400), (314, 9439), (329, 9493), (342, 9568), (346, 9586), (391, 9787), (410, 9895), (445, 9991), (510, 10177), (535, 10219), (546, 10264), (583, 10402), (606, 10483),

Gene: Buckeye_8 Start: 4443, Stop: 6362, Start Num: 24

Candidate Starts for Buckeye_8:

(Start: 24 @4443 has 377 MA's), (Start: 31 @4458 has 11 MA's), (Start: 81 @4554 has 4 MA's), (87, 4569), (116, 4680), (161, 4812), (168, 4836), (170, 4842), (172, 4854), (176, 4866), (235, 5031), (260, 5157), (261, 5160), (262, 5172), (265, 5181), (267, 5193), (286, 5256), (289, 5265), (301, 5301), (307, 5319), (310, 5328), (320, 5376), (340, 5472), (341, 5478), (349, 5514), (355, 5562), (360, 5586), (407, 5781), (438, 5874), (549, 6126), (584, 6261), (594, 6303), (598, 6315),

Gene: Burr_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Burr_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Busephilis_20 Start: 8414, Stop: 10090, Start Num: 12

Candidate Starts for Busephilis_20:

(Start: 12 @8414 has 34 MA's), (Start: 14 @8423 has 13 MA's), (55, 8537), (59, 8543), (97, 8648), (101, 8660), (127, 8759), (129, 8765), (133, 8777), (150, 8831), (155, 8849), (170, 8903), (177, 8933), (197, 8972), (203, 8990), (204, 8999), (216, 9035), (236, 9098), (249, 9161), (256, 9188), (306, 9335), (307, 9338), (315, 9377), (320, 9395), (337, 9467), (349, 9533), (350, 9542), (363, 9614), (371, 9647), (373, 9653), (383, 9683), (386, 9698), (412, 9836), (418, 9851), (428, 9872), (429, 9875),

Gene: CRB2_11 Start: 7447, Stop: 9324, Start Num: 24

Candidate Starts for CRB2_11:

(Start: 24 @7447 has 377 MA's), (Start: 86 @7561 has 2 MA's), (132, 7723), (145, 7747), (147, 7753), (161, 7804), (170, 7834), (172, 7846), (204, 7909), (216, 7945), (220, 7960), (252, 8077), (262, 8134), (267, 8155), (272, 8182), (278, 8203), (288, 8224), (292, 8236), (305, 8275), (308, 8284), (317, 8329), (320, 8338), (333, 8389), (341, 8440), (360, 8551), (368, 8584), (372, 8596), (392, 8662), (418, 8794), (427, 8812), (429, 8818), (516, 9016), (526, 9028), (537, 9046), (538, 9049), (565, 9148), (567, 9160), (586, 9229),

Gene: CaiB_10 Start: 6894, Stop: 8627, Start Num: 86

Candidate Starts for CaiB_10:

(Start: 24 @6780 has 377 MA's), (Start: 86 @6894 has 2 MA's), (97, 6936), (114, 6999), (136, 7065), (174, 7170), (227, 7293), (230, 7299), (234, 7308), (236, 7317), (263, 7455), (267, 7473), (307, 7614), (312, 7641), (316, 7659), (320, 7671), (333, 7722), (341, 7773), (355, 7860), (427, 8142), (466, 8202), (470, 8211), (537, 8352), (538, 8355), (556, 8427), (559, 8433), (566, 8454), (581, 8511), (583, 8523), (590, 8556), (594, 8568), (598, 8580), (603, 8592), (609, 8604), (611, 8607),

Gene: Calamitous_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Calamitous_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (200, 8205), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: CamL_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for CamL_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: CampRoach_8 Start: 4549, Stop: 6357, Start Num: 81

Candidate Starts for CampRoach_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: CandC_20 Start: 7351, Stop: 9150, Start Num: 46

Candidate Starts for CandC_20:

(Start: 46 @7351 has 35 MA's), (89, 7450), (147, 7615), (161, 7666), (170, 7696), (200, 7762), (271, 8029), (285, 8074), (314, 8161), (316, 8170), (326, 8206), (334, 8242), (342, 8290), (343, 8296), (346, 8308), (351, 8344), (355, 8368), (391, 8503), (410, 8611), (415, 8632), (448, 8713), (455, 8722), (522, 8833), (534, 8851), (545, 8887), (561, 8953), (577, 9022), (588, 9055), (611, 9130),

Gene: Cannibal_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Cannibal_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Carthage_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Carthage_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261,

5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Casbah_10 Start: 6163, Stop: 8070, Start Num: 24

Candidate Starts for Casbah_10:

(Start: 24 @6163 has 377 MA's), (32, 6190), (80, 6271), (99, 6334), (116, 6400), (127, 6433), (164, 6541), (192, 6631), (215, 6709), (236, 6766), (246, 6820), (262, 6901), (267, 6922), (272, 6949), (295, 7000), (297, 7009), (301, 7018), (341, 7195), (343, 7207), (355, 7282), (360, 7306), (365, 7327), (391, 7411), (418, 7549), (427, 7567), (438, 7594), (454, 7618), (531, 7786), (538, 7795), (566, 7900), (567, 7909), (575, 7936), (598, 8026), (609, 8050), (616, 8062),

Gene: Casend_23 Start: 9100, Stop: 10926, Start Num: 46

Candidate Starts for Casend_23:

(Start: 46 @9100 has 35 MA's), (104, 9250), (150, 9385), (161, 9424), (189, 9502), (200, 9520), (249, 9670), (252, 9685), (262, 9742), (278, 9811), (299, 9859), (302, 9868), (335, 10003), (342, 10048), (343, 10054), (346, 10066), (355, 10126), (391, 10255), (392, 10261), (396, 10288), (416, 10387), (433, 10432), (534, 10627), (545, 10663), (547, 10681), (560, 10726),

Gene: Cece_66 Start: 27502, Stop: 29211, Start Num: 31

Candidate Starts for Cece_66:

(Start: 31 @27502 has 11 MA's), (60, 27565), (64, 27574), (111, 27733), (181, 27946), (206, 28012), (234, 28117), (244, 28171), (262, 28258), (304, 28384), (306, 28390), (321, 28462), (335, 28513), (350, 28597), (359, 28657), (414, 28900), (419, 28915), (427, 28930), (433, 28951), (435, 28957), (472, 29038), (501, 29125),

Gene: Cepens_6 Start: 3346, Stop: 5202, Start Num: 24

Candidate Starts for Cepens_6:

(Start: 20 @3328 has 6 MA's), (Start: 24 @3346 has 377 MA's), (Start: 56 @3403 has 2 MA's), (108, 3541), (114, 3571), (134, 3625), (170, 3736), (212, 3865), (234, 3922), (236, 3931), (244, 3976), (249, 3994), (264, 4072), (265, 4075), (301, 4159), (309, 4183), (313, 4207), (341, 4336), (343, 4348), (349, 4372), (355, 4423), (368, 4480), (372, 4492), (411, 4666), (438, 4735), (556, 4987), (594, 5128), (598, 5140), (617, 5182),

Gene: ChaChing_11 Start: 6329, Stop: 8233, Start Num: 24

Candidate Starts for ChaChing_11:

(Start: 24 @6329 has 377 MA's), (32, 6356), (80, 6437), (99, 6500), (116, 6566), (127, 6599), (164, 6707), (192, 6797), (215, 6875), (236, 6932), (246, 6986), (262, 7067), (267, 7088), (272, 7115), (295, 7166), (297, 7175), (301, 7184), (341, 7361), (343, 7373), (355, 7448), (360, 7472), (365, 7493), (391, 7577), (418, 7715), (427, 7733), (438, 7760), (454, 7784), (531, 7949), (538, 7958), (566, 8063), (567, 8072), (575, 8099), (598, 8189), (609, 8213), (616, 8225),

Gene: ChadMasterC_12 Start: 6750, Stop: 8372, Start Num: 11

Candidate Starts for ChadMasterC_12:

(Start: 11 @6750 has 93 MA's), (72, 6909), (91, 6948), (105, 7011), (132, 7104), (141, 7131), (153, 7170), (201, 7299), (218, 7359), (240, 7428), (244, 7449), (249, 7467), (252, 7482), (254, 7488), (266, 7551), (302, 7611), (306, 7623), (314, 7662), (317, 7674), (320, 7683), (325, 7716), (329, 7728), (335, 7758), (342, 7803), (345, 7818), (346, 7821), (351, 7857), (360, 7905), (363, 7914), (369, 7941), (410, 8118), (433, 8175), (437, 8181), (450, 8196), (462, 8217), (464, 8223), (485, 8259), (492, 8286),

Gene: Chaelin_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Chaelin_8:

(Start: 24 @4439 has 377 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (176, 4862), (215, 4976), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Chah_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Chah_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Chandler_11 Start: 7077, Stop: 8981, Start Num: 24

Candidate Starts for Chandler_11:

(Start: 24 @7077 has 377 MA's), (32, 7104), (80, 7185), (99, 7248), (116, 7314), (127, 7347), (164, 7455), (192, 7545), (215, 7623), (236, 7680), (246, 7734), (262, 7815), (267, 7836), (272, 7863), (295, 7914), (297, 7923), (301, 7932), (341, 8109), (343, 8121), (355, 8196), (360, 8220), (365, 8241), (391, 8325), (418, 8463), (427, 8481), (438, 8508), (454, 8532), (531, 8697), (538, 8706), (566, 8811), (567, 8820), (575, 8847), (598, 8937), (609, 8961), (616, 8973),

Gene: Charles1_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Charles1_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: CharlieGBrown_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for CharlieGBrown_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: CharlottesWeb_8 Start: 5358, Stop: 7151, Start Num: 45

Candidate Starts for CharlottesWeb_8:

(Start: 24 @5310 has 377 MA's), (Start: 45 @5358 has 2 MA's), (Start: 86 @5424 has 2 MA's), (97, 5466), (116, 5535), (164, 5661), (170, 5679), (206, 5760), (234, 5832), (244, 5886), (252, 5919), (262, 5976), (263, 5979), (267, 5997), (275, 6042), (284, 6063), (316, 6174), (320, 6186), (322, 6201), (333, 6237), (341, 6288), (343, 6300), (355, 6375), (360, 6399), (369, 6435), (372, 6444), (386, 6480), (390, 6501), (530, 6867), (537, 6876), (538, 6879), (556, 6951), (559, 6957), (566, 6978), (567, 6987), (587, 7059), (594, 7092), (598, 7104), (603, 7116), (609, 7128), (611, 7131),

Gene: Charming_10 Start: 6017, Stop: 7639, Start Num: 11

Candidate Starts for Charming_10:

(Start: 11 @6017 has 93 MA's), (72, 6176), (91, 6215), (105, 6278), (132, 6371), (141, 6398), (153, 6437), (197, 6557), (201, 6566), (218, 6626), (240, 6695), (244, 6716), (249, 6734), (252, 6749), (254, 6755), (266, 6818), (302, 6878), (306, 6890), (314, 6929), (317, 6941), (320, 6950), (329, 6995), (335, 7025), (342, 7070), (345, 7085), (346, 7088), (351, 7124), (360, 7172), (363, 7181), (369, 7208), (410,

7385), (433, 7442), (437, 7448), (450, 7463), (462, 7484), (464, 7490), (485, 7526), (492, 7553),

Gene: CheetO_8 Start: 4552, Stop: 6360, Start Num: 81

Candidate Starts for CheetO_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Cher_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Cher_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Chickadee_13 Start: 5786, Stop: 7462, Start Num: 11

Candidate Starts for Chickadee_13:

(Start: 11 @5786 has 93 MA's), (Start: 14 @5819 has 13 MA's), (33, 5897), (60, 5951), (105, 6083), (111, 6113), (137, 6191), (143, 6209), (166, 6290), (197, 6362), (201, 6371), (218, 6431), (249, 6539), (251, 6551), (252, 6554), (254, 6560), (306, 6695), (307, 6698), (320, 6755), (335, 6830), (342, 6875), (346, 6893), (350, 6914), (355, 6953), (360, 6977), (365, 6998), (369, 7013), (387, 7064), (391, 7085), (410, 7190), (420, 7220), (432, 7244), (433, 7247), (475, 7325),

Gene: Childish_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Childish_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Chorkpop_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Chorkpop_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: ChrisnMich_8 Start: 5643, Stop: 7532, Start Num: 24

Candidate Starts for ChrisnMich_8:

(Start: 24 @5643 has 377 MA's), (79, 5739), (85, 5754), (99, 5805), (104, 5814), (114, 5865), (117, 5874), (153, 5970), (170, 6030), (204, 6126), (234, 6207), (244, 6261), (262, 6351), (263, 6354), (288, 6432), (292, 6444), (320, 6546), (334, 6606), (341, 6648), (343, 6660), (355, 6735), (356, 6741), (360, 6759), (362, 6765), (368, 6792), (370, 6798), (386, 6840), (392, 6870), (517, 7212), (526, 7221), (527, 7224), (547, 7281), (549, 7287), (565, 7347), (566, 7350), (567, 7359), (594, 7473), (613, 7518), (616, 7524),

Gene: Chunky_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Chunky_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Chute_8 Start: 4549, Stop: 6357, Start Num: 81

Candidate Starts for Chute_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Cinna_12 Start: 5856, Stop: 7613, Start Num: 14

Candidate Starts for Cinna_12:

(Start: 12 @5847 has 34 MA's), (Start: 14 @5856 has 13 MA's), (39, 5940), (59, 5976), (71, 6009), (97, 6087), (101, 6099), (102, 6108), (105, 6120), (106, 6126), (127, 6198), (129, 6204), (158, 6300), (170, 6342), (176, 6372), (185, 6402), (197, 6438), (201, 6447), (203, 6456), (204, 6465), (231, 6546), (234, 6552), (236, 6561), (249, 6624), (256, 6651), (262, 6696), (290, 6747), (306, 6798), (315, 6840), (320, 6858), (324, 6873), (337, 6930), (350, 7005), (353, 7029), (372, 7113), (373, 7116), (386, 7161), (392, 7191), (399, 7239), (419, 7320), (428, 7338), (429, 7341), (461, 7410), (474, 7434), (521, 7569), (528, 7593),

Gene: ClamChowder_12 Start: 5583, Stop: 7169, Start Num: 11

Candidate Starts for ClamChowder_12:

(Start: 11 @5583 has 93 MA's), (107, 5835), (113, 5865), (153, 5982), (158, 6003), (163, 6018), (233, 6192), (242, 6234), (246, 6258), (247, 6261), (258, 6300), (270, 6372), (306, 6432), (307, 6435), (308, 6438), (315, 6474), (317, 6483), (319, 6489), (320, 6492), (335, 6555), (342, 6600), (349, 6630), (355, 6678), (369, 6735), (375, 6756), (386, 6783), (387, 6786), (392, 6813), (400, 6864), (410, 6912),

Gene: Clawz_41 Start: 18090, Stop: 20060, Start Num: 22

Candidate Starts for Clawz_41:

(Start: 22 @18090 has 2 MA's), (35, 18135), (67, 18186), (112, 18330), (138, 18402), (170, 18489), (204, 18564), (215, 18600), (236, 18657), (251, 18732), (267, 18813), (280, 18885), (281, 18888), (289, 18918), (300, 18951), (318, 19026), (326, 19056), (335, 19095), (343, 19146), (350, 19179), (363, 19251), (385, 19323), (386, 19326), (392, 19356), (406, 19434), (411, 19464), (428, 19509), (476, 19602), (512, 19710), (520, 19725), (542, 19767), (561, 19845), (574, 19896), (578, 19914), (621, 20052),

Gene: ClearAsMud_22 Start: 9173, Stop: 10873, Start Num: 12

Candidate Starts for ClearAsMud_22:

(Start: 12 @9173 has 34 MA's), (Start: 14 @9182 has 13 MA's), (59, 9302), (97, 9407), (101, 9419), (127, 9518), (129, 9524), (132, 9533), (150, 9590), (155, 9608), (170, 9662), (175, 9686), (176, 9689), (191, 9713), (197, 9731), (203, 9749), (204, 9758), (216, 9794), (236, 9857), (249, 9920), (256, 9947), (262, 9992), (306, 10094), (307, 10097), (315, 10136), (320, 10154), (337, 10226), (349, 10292), (350, 10301), (355, 10340), (371, 10406), (373, 10412), (383, 10442), (412, 10595), (419, 10613), (429, 10634), (435, 10655), (436, 10658), (446, 10679), (518, 10832),

Gene: CloverMinnie_10 Start: 6780, Stop: 8627, Start Num: 24

Candidate Starts for CloverMinnie_10:

(Start: 24 @6780 has 377 MA's), (Start: 86 @6894 has 2 MA's), (97, 6936), (114, 6999), (174, 7170), (227, 7293), (230, 7299), (234, 7308), (236, 7317), (263, 7455), (267, 7473), (307, 7614), (312, 7641),

(316, 7659), (320, 7671), (333, 7722), (341, 7773), (355, 7860), (372, 7929), (427, 8142), (466, 8202), (470, 8211), (537, 8352), (538, 8355), (556, 8427), (559, 8433), (566, 8454), (581, 8511), (590, 8556), (594, 8568), (598, 8580), (603, 8592), (609, 8604), (611, 8607),

Gene: Clown_16 Start: 8860, Stop: 10452, Start Num: 11

Candidate Starts for Clown_16:

(Start: 11 @8860 has 93 MA's), (113, 9139), (150, 9247), (152, 9253), (153, 9256), (158, 9277), (163, 9292), (254, 9565), (258, 9577), (260, 9601), (269, 9646), (270, 9649), (306, 9706), (314, 9745), (315, 9748), (317, 9757), (319, 9763), (335, 9829), (342, 9874), (349, 9904), (355, 9952), (369, 10009), (375, 10030), (381, 10036), (386, 10057), (387, 10060), (391, 10081), (392, 10087), (439, 10264),

Gene: Cobra_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Cobra_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Coffee_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Coffee_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Colbert_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Colbert_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Coletti_8 Start: 4549, Stop: 6357, Start Num: 81

Candidate Starts for Coletti_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Compostia_11 Start: 6322, Stop: 8226, Start Num: 24

Candidate Starts for Compostia_11:

(Start: 24 @6322 has 377 MA's), (32, 6349), (80, 6430), (99, 6493), (116, 6559), (127, 6592), (164, 6700), (192, 6790), (215, 6868), (236, 6925), (246, 6979), (262, 7060), (267, 7081), (272, 7108), (295, 7159), (297, 7168), (301, 7177), (341, 7354), (343, 7366), (355, 7441), (360, 7465), (365, 7486), (391, 7570), (418, 7708), (427, 7726), (438, 7753), (454, 7777), (531, 7942), (538, 7951), (566, 8056), (567, 8065), (575, 8092), (598, 8182), (609, 8206), (616, 8218),

Gene: Cooper_9 Start: 5704, Stop: 7593, Start Num: 24

Candidate Starts for Cooper_9:

(Start: 24 @5704 has 377 MA's), (72, 5785), (85, 5815), (99, 5866), (104, 5875), (153, 6031), (170, 6091), (194, 6151), (233, 6265), (234, 6268), (244, 6322), (262, 6412), (263, 6415), (272, 6460), (286, 6487), (292, 6505), (320, 6607), (322, 6622), (334, 6667), (341, 6709), (343, 6721), (355, 6796), (360, 6820), (362, 6826), (368, 6853), (370, 6859), (386, 6901), (428, 7084), (438, 7108), (526, 7282), (527, 7285), (540, 7309), (547, 7342), (565, 7408), (566, 7411), (567, 7420), (588, 7498), (605, 7564), (616, 7585),

Gene: Cornobble_8 Start: 4550, Stop: 6358, Start Num: 81

Candidate Starts for Cornobble_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Corofin_11 Start: 6339, Stop: 8243, Start Num: 24

Candidate Starts for Corofin_11:

(Start: 24 @6339 has 377 MA's), (32, 6366), (80, 6447), (99, 6510), (116, 6576), (127, 6609), (164, 6717), (192, 6807), (215, 6885), (236, 6942), (246, 6996), (262, 7077), (267, 7098), (272, 7125), (295, 7176), (297, 7185), (301, 7194), (341, 7371), (343, 7383), (355, 7458), (360, 7482), (365, 7503), (391, 7587), (418, 7725), (427, 7743), (438, 7770), (454, 7794), (531, 7959), (538, 7968), (566, 8073), (567, 8082), (575, 8109), (598, 8199), (609, 8223), (616, 8235),

Gene: Cosmolli16_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Cosmolli16_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Craff_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Craff_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Cranjis_21 Start: 8638, Stop: 10314, Start Num: 12

Candidate Starts for Cranjis_21:

(Start: 12 @8638 has 34 MA's), (Start: 14 @8647 has 13 MA's), (16, 8662), (55, 8761), (59, 8767), (97, 8872), (101, 8884), (127, 8983), (129, 8989), (133, 9001), (150, 9055), (155, 9073), (170, 9127), (177, 9157), (197, 9196), (203, 9214), (204, 9223), (216, 9259), (236, 9322), (249, 9385), (256, 9412), (306, 9559), (307, 9562), (315, 9601), (320, 9619), (337, 9691), (349, 9757), (350, 9766), (355, 9805), (363, 9838), (371, 9871), (373, 9877), (383, 9907), (386, 9922), (412, 10060), (418, 10075), (428, 10096), (429, 10099),

Gene: CrazyRich_19 Start: 8448, Stop: 10124, Start Num: 12

Candidate Starts for CrazyRich_19:

(Start: 12 @8448 has 34 MA's), (Start: 14 @8457 has 13 MA's), (55, 8571), (59, 8577), (97, 8682), (101, 8694), (127, 8793), (129, 8799), (133, 8811), (150, 8865), (155, 8883), (170, 8937), (177, 8967), (197, 9006), (203, 9024), (204, 9033), (216, 9069), (236, 9132), (249, 9195), (256, 9222), (306, 9369), (307, 9372), (315, 9411), (320, 9429), (337, 9501), (349, 9567), (350, 9576), (363, 9648), (371, 9681), (373, 9687), (383, 9717), (386, 9732), (412, 9870), (418, 9885), (428, 9906), (429, 9909),

Gene: Cressida_13 Start: 6076, Stop: 7833, Start Num: 14

Candidate Starts for Cressida_13:

(Start: 12 @6067 has 34 MA's), (Start: 14 @6076 has 13 MA's), (39, 6160), (71, 6232), (97, 6310), (101, 6322), (102, 6331), (105, 6343), (106, 6349), (127, 6421), (129, 6427), (158, 6523), (170, 6565), (185, 6625), (187, 6628), (197, 6661), (201, 6670), (203, 6679), (204, 6688), (231, 6769), (234, 6775), (236, 6784), (249, 6847), (256, 6874), (262, 6919), (306, 7021), (314, 7060), (320, 7081), (324, 7096), (337, 7153), (350, 7228), (353, 7252), (372, 7336), (373, 7339), (375, 7348), (386, 7384), (392, 7414), (393, 7420), (399, 7462), (419, 7543), (428, 7561), (429, 7564), (460, 7630), (461, 7633),

Gene: Crisis_21 Start: 8432, Stop: 10108, Start Num: 12

Candidate Starts for Crisis_21:

(Start: 12 @8432 has 34 MA's), (Start: 14 @8441 has 13 MA's), (16, 8456), (55, 8555), (59, 8561), (97, 8666), (101, 8678), (127, 8777), (129, 8783), (133, 8795), (150, 8849), (155, 8867), (170, 8921), (177, 8951), (197, 8990), (203, 9008), (204, 9017), (216, 9053), (236, 9116), (249, 9179), (256, 9206), (306, 9353), (307, 9356), (315, 9395), (320, 9413), (337, 9485), (349, 9551), (350, 9560), (363, 9632), (371, 9665), (373, 9671), (383, 9701), (386, 9716), (412, 9854), (418, 9869), (428, 9890), (429, 9893),

Gene: Crownjwl_9 Start: 4676, Stop: 6595, Start Num: 24

Candidate Starts for Crownjwl_9:

(Start: 24 @4676 has 377 MA's), (Start: 81 @4787 has 4 MA's), (87, 4802), (116, 4913), (161, 5045), (168, 5069), (170, 5075), (172, 5087), (176, 5099), (235, 5264), (260, 5390), (261, 5393), (262, 5405), (265, 5414), (267, 5426), (286, 5489), (289, 5498), (301, 5534), (307, 5552), (310, 5561), (320, 5609), (340, 5705), (341, 5711), (349, 5747), (355, 5795), (360, 5819), (407, 6014), (438, 6107), (549, 6359), (584, 6494), (594, 6536), (598, 6548),

Gene: D12_06 Start: 3403, Stop: 5202, Start Num: 56

Candidate Starts for D12_06:

(Start: 20 @3328 has 6 MA's), (Start: 24 @3346 has 377 MA's), (Start: 56 @3403 has 2 MA's), (108, 3541), (114, 3571), (134, 3625), (170, 3736), (212, 3865), (234, 3922), (236, 3931), (244, 3976), (249, 3994), (264, 4072), (265, 4075), (301, 4159), (309, 4183), (313, 4207), (341, 4336), (343, 4348), (349, 4372), (355, 4423), (368, 4480), (372, 4492), (411, 4666), (438, 4735), (556, 4987), (594, 5128), (598, 5140), (617, 5182),

Gene: DaddyDaniels_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for DaddyDaniels_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Daffy_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Daffy_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124),

(584, 6259), (594, 6301), (598, 6313),

Gene: Daisy_11 Start: 6317, Stop: 8221, Start Num: 24

Candidate Starts for Daisy_11:

(Start: 24 @6317 has 377 MA's), (32, 6344), (80, 6425), (99, 6488), (116, 6554), (127, 6587), (164, 6695), (192, 6785), (215, 6863), (236, 6920), (246, 6974), (262, 7055), (267, 7076), (272, 7103), (295, 7154), (297, 7163), (301, 7172), (341, 7349), (343, 7361), (355, 7436), (360, 7460), (365, 7481), (391, 7565), (418, 7703), (427, 7721), (438, 7748), (454, 7772), (531, 7937), (538, 7946), (566, 8051), (567, 8060), (575, 8087), (598, 8177), (609, 8201), (616, 8213),

Gene: Daka_8 Start: 4444, Stop: 6363, Start Num: 24

Candidate Starts for Daka_8:

(Start: 24 @4444 has 377 MA's), (Start: 31 @4459 has 11 MA's), (Start: 81 @4555 has 4 MA's), (87, 4570), (116, 4681), (161, 4813), (168, 4837), (170, 4843), (172, 4855), (176, 4867), (235, 5032), (260, 5158), (261, 5161), (262, 5173), (265, 5182), (267, 5194), (286, 5257), (289, 5266), (301, 5302), (307, 5320), (310, 5329), (320, 5377), (340, 5473), (341, 5479), (349, 5515), (355, 5563), (360, 5587), (407, 5782), (438, 5875), (549, 6127), (584, 6262), (594, 6304), (598, 6316),

Gene: Danyall_12 Start: 5455, Stop: 7041, Start Num: 11

Candidate Starts for Danyall_12:

(Start: 11 @5455 has 93 MA's), (107, 5707), (113, 5737), (153, 5854), (158, 5875), (163, 5890), (233, 6064), (242, 6106), (246, 6130), (247, 6133), (258, 6172), (270, 6244), (306, 6304), (307, 6307), (308, 6310), (315, 6346), (317, 6355), (319, 6361), (320, 6364), (335, 6427), (342, 6472), (349, 6502), (355, 6550), (369, 6607), (375, 6628), (386, 6655), (387, 6658), (392, 6685), (400, 6736), (410, 6784),

Gene: Dati_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Dati_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Deenasa_11 Start: 7077, Stop: 8981, Start Num: 24

Candidate Starts for Deenasa_11:

(Start: 24 @7077 has 377 MA's), (32, 7104), (80, 7185), (99, 7248), (116, 7314), (127, 7347), (164, 7455), (192, 7545), (215, 7623), (236, 7680), (246, 7734), (262, 7815), (267, 7836), (272, 7863), (295, 7914), (297, 7923), (301, 7932), (341, 8109), (343, 8121), (355, 8196), (360, 8220), (365, 8241), (391, 8325), (418, 8463), (427, 8481), (438, 8508), (454, 8532), (538, 8706), (566, 8811), (567, 8820), (575, 8847), (598, 8937), (609, 8961), (616, 8973),

Gene: DelRivs_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for DelRivs_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Delrey21_14 Start: 7230, Stop: 8897, Start Num: 11

Candidate Starts for Delrey21_14:

(Start: 11 @7230 has 93 MA's), (Start: 22 @7305 has 2 MA's), (29, 7326), (38, 7353), (82, 7440), (105, 7521), (111, 7551), (143, 7647), (148, 7662), (154, 7683), (159, 7704), (166, 7728), (197, 7800),

(201, 7809), (237, 7920), (239, 7935), (244, 7959), (249, 7977), (252, 7992), (254, 7998), (270, 8073), (306, 8133), (335, 8268), (342, 8313), (350, 8352), (357, 8403), (365, 8436), (368, 8448), (369, 8451), (373, 8463), (381, 8478), (387, 8502), (391, 8523), (400, 8580), (410, 8631), (420, 8661), (424, 8667), (452, 8724), (475, 8769), (492, 8817),

Gene: Derg_10 Start: 5599, Stop: 7227, Start Num: 11

Candidate Starts for Derg_10:

(Start: 11 @5599 has 93 MA's), (42, 5722), (Start: 58 @5743 has 10 MA's), (91, 5800), (105, 5863), (111, 5893), (132, 5956), (141, 5983), (201, 6151), (230, 6238), (239, 6277), (244, 6301), (249, 6319), (252, 6334), (254, 6340), (266, 6403), (306, 6475), (314, 6514), (320, 6535), (329, 6580), (335, 6610), (342, 6655), (345, 6670), (346, 6673), (351, 6709), (360, 6757), (363, 6766), (369, 6793), (381, 6820), (391, 6865), (404, 6940), (410, 6970), (414, 6988), (433, 7027), (437, 7033), (450, 7048), (462, 7069), (464, 7075), (485, 7111), (493, 7144),

Gene: Derpp_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Derpp_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Devonte_11 Start: 6314, Stop: 8218, Start Num: 24

Candidate Starts for Devonte_11:

(Start: 24 @6314 has 377 MA's), (32, 6341), (80, 6422), (99, 6485), (116, 6551), (127, 6584), (164, 6692), (192, 6782), (215, 6860), (236, 6917), (246, 6971), (262, 7052), (267, 7073), (272, 7100), (295, 7151), (297, 7160), (301, 7169), (341, 7346), (343, 7358), (355, 7433), (360, 7457), (365, 7478), (391, 7562), (418, 7700), (427, 7718), (438, 7745), (454, 7769), (531, 7934), (538, 7943), (566, 8048), (567, 8057), (575, 8084), (598, 8174), (609, 8198), (616, 8210),

Gene: Dxdert_14 Start: 6244, Stop: 7917, Start Num: 11

Candidate Starts for Dxdert_14:

(Start: 11 @6244 has 93 MA's), (13, 6271), (33, 6352), (105, 6538), (111, 6568), (137, 6646), (143, 6664), (166, 6745), (197, 6817), (201, 6826), (218, 6886), (249, 6994), (251, 7006), (252, 7009), (254, 7015), (306, 7150), (307, 7153), (320, 7210), (335, 7285), (342, 7330), (346, 7348), (349, 7360), (355, 7408), (360, 7432), (365, 7453), (369, 7468), (387, 7519), (410, 7645), (420, 7675), (433, 7702),

Gene: Dice_9 Start: 4551, Stop: 6359, Start Num: 81

Candidate Starts for Dice_9:

(Start: 24 @4440 has 377 MA's), (Start: 31 @4455 has 11 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: DigitDog_10 Start: 6702, Stop: 8567, Start Num: 24

Candidate Starts for DigitDog_10:

(Start: 24 @6702 has 377 MA's), (Start: 31 @6717 has 11 MA's), (97, 6855), (104, 6867), (117, 6927), (132, 6969), (162, 7053), (165, 7065), (168, 7074), (216, 7191), (220, 7206), (236, 7245), (263, 7383), (267, 7401), (286, 7455), (326, 7599), (334, 7635), (341, 7677), (355, 7764), (360, 7788), (368, 7821), (372, 7833), (375, 7845), (386, 7869), (427, 8049), (432, 8067), (513, 8247), (527, 8268), (539, 8289), (565, 8391), (581, 8451), (616, 8559), (617, 8562),

Gene: Dingo_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Dingo_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Dione_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Dione_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: DirtJuice_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for DirtJuice_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: DoctorFroggo_14 Start: 7230, Stop: 8897, Start Num: 11

Candidate Starts for DoctorFroggo_14:

(Start: 11 @7230 has 93 MA's), (Start: 22 @7305 has 2 MA's), (29, 7326), (38, 7353), (82, 7440), (105, 7521), (111, 7551), (143, 7647), (148, 7662), (154, 7683), (159, 7704), (166, 7728), (197, 7800), (201, 7809), (237, 7920), (239, 7935), (244, 7959), (249, 7977), (252, 7992), (254, 7998), (270, 8073), (306, 8133), (335, 8268), (342, 8313), (350, 8352), (357, 8403), (365, 8436), (368, 8448), (369, 8451), (373, 8463), (381, 8478), (387, 8502), (391, 8523), (400, 8580), (410, 8631), (420, 8661), (424, 8667), (452, 8724), (475, 8769), (492, 8817),

Gene: Doddsville_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Doddsville_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: DoesntMatter_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for DoesntMatter_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: DonSanchon_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for DonSanchon_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260,

5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: DonTron_41 Start: 18262, Stop: 20220, Start Num: 22

Candidate Starts for DonTron_41:

(Start: 22 @18262 has 2 MA's), (35, 18307), (67, 18358), (77, 18385), (139, 18574), (204, 18733), (236, 18826), (251, 18901), (265, 18970), (267, 18982), (268, 18988), (289, 19090), (300, 19123), (317, 19195), (318, 19198), (326, 19228), (335, 19267), (350, 19351), (385, 19495), (386, 19498), (392, 19528), (411, 19636), (425, 19672), (428, 19681), (496, 19816), (530, 19897), (542, 19930), (564, 20020), (605, 20173), (621, 20212),

Gene: DonaldDuck_22 Start: 8446, Stop: 10272, Start Num: 46

Candidate Starts for DonaldDuck_22:

(Start: 46 @8446 has 35 MA's), (104, 8596), (150, 8731), (161, 8770), (189, 8848), (200, 8866), (249, 9016), (252, 9031), (262, 9088), (278, 9157), (299, 9205), (302, 9214), (335, 9349), (342, 9394), (343, 9400), (346, 9412), (355, 9472), (391, 9601), (392, 9607), (396, 9634), (416, 9733), (433, 9778), (534, 9973), (545, 10009), (547, 10027), (560, 10072),

Gene: Donny_10 Start: 6695, Stop: 8560, Start Num: 24

Candidate Starts for Donny_10:

(Start: 24 @6695 has 377 MA's), (Start: 31 @6710 has 11 MA's), (55, 6752), (97, 6848), (104, 6860), (162, 7046), (165, 7058), (168, 7067), (216, 7184), (220, 7199), (236, 7238), (263, 7376), (267, 7394), (288, 7454), (326, 7592), (334, 7628), (341, 7670), (343, 7682), (355, 7757), (360, 7781), (368, 7814), (372, 7826), (375, 7838), (386, 7862), (427, 8042), (432, 8060), (513, 8240), (527, 8261), (539, 8282), (565, 8384), (581, 8444), (616, 8552), (617, 8555),

Gene: Dori_7 Start: 3691, Stop: 5658, Start Num: 20

Candidate Starts for Dori_7:

(Start: 20 @3691 has 6 MA's), (Start: 24 @3709 has 377 MA's), (63, 3787), (72, 3817), (80, 3835), (114, 3958), (150, 4054), (153, 4063), (167, 4114), (201, 4213), (212, 4258), (234, 4318), (236, 4327), (244, 4372), (250, 4393), (261, 4450), (264, 4468), (287, 4549), (293, 4570), (298, 4582), (301, 4591), (305, 4603), (316, 4654), (317, 4657), (326, 4690), (341, 4768), (343, 4780), (349, 4804), (359, 4876), (360, 4879), (386, 4960), (404, 5059), (409, 5089), (427, 5140), (530, 5374), (553, 5440), (555, 5449), (566, 5485), (570, 5509), (590, 5587), (594, 5599), (616, 5650), (617, 5653),

Gene: DuchessDung_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for DuchessDung_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Duggie_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for Duggie_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: DunneganBoMo_69 Start: 27884, Stop: 29458, Start Num: 53

Candidate Starts for DunneganBoMo_69:

(27, 27824), (Start: 53 @27884 has 1 MA's), (170, 28241), (234, 28430), (236, 28439), (291, 28643), (306, 28691), (344, 28871), (359, 28958), (379, 29024), (383, 29036), (440, 29267), (483, 29354), (530, 29447),

Gene: Durga_8 Start: 4437, Stop: 6356, Start Num: 24

Candidate Starts for Durga_8:

(Start: 24 @4437 has 377 MA's), (Start: 81 @4548 has 4 MA's), (87, 4563), (116, 4674), (161, 4806), (168, 4830), (170, 4836), (172, 4848), (176, 4860), (235, 5025), (260, 5151), (261, 5154), (262, 5166), (265, 5175), (267, 5187), (286, 5250), (289, 5259), (301, 5295), (307, 5313), (310, 5322), (320, 5370), (340, 5466), (341, 5472), (349, 5508), (355, 5556), (360, 5580), (407, 5775), (438, 5868), (549, 6120), (584, 6255), (594, 6297), (598, 6309),

Gene: EMoore_7 Start: 4408, Stop: 6045, Start Num: 11

Candidate Starts for EMoore_7:

(Start: 11 @4408 has 93 MA's), (15, 4444), (18, 4462), (34, 4522), (Start: 46 @4546 has 35 MA's), (83, 4603), (94, 4636), (105, 4681), (111, 4711), (121, 4744), (126, 4759), (153, 4840), (196, 4957), (197, 4960), (218, 5029), (244, 5119), (246, 5128), (249, 5137), (252, 5152), (254, 5158), (264, 5212), (270, 5233), (306, 5293), (307, 5296), (320, 5353), (323, 5377), (325, 5386), (335, 5428), (342, 5473), (346, 5491), (350, 5512), (360, 5575), (365, 5596), (369, 5611), (387, 5662), (406, 5767), (410, 5788), (420, 5818), (430, 5836), (432, 5842), (452, 5878), (464, 5902), (468, 5908), (475, 5923), (493, 5980), (500, 6016),

Gene: Eaglehorse_12 Start: 7746, Stop: 9635, Start Num: 24

Candidate Starts for Eaglehorse_12:

(Start: 24 @7746 has 377 MA's), (44, 7794), (Start: 56 @7818 has 2 MA's), (72, 7836), (Start: 86 @7869 has 2 MA's), (114, 7977), (144, 8061), (164, 8124), (174, 8160), (195, 8211), (200, 8223), (204, 8244), (234, 8322), (236, 8331), (244, 8376), (262, 8466), (263, 8469), (265, 8475), (267, 8487), (270, 8502), (272, 8514), (305, 8598), (312, 8631), (316, 8649), (329, 8694), (341, 8763), (343, 8775), (355, 8850), (360, 8874), (362, 8880), (368, 8907), (372, 8919), (374, 8925), (386, 8955), (387, 8958), (392, 8985), (403, 9051), (405, 9060), (427, 9135), (443, 9171), (471, 9216), (530, 9354), (531, 9357), (539, 9369), (562, 9456), (566, 9465), (567, 9474), (570, 9489), (580, 9519), (584, 9537), (588, 9552), (594, 9579), (598, 9591), (616, 9627),

Gene: EarickHC_20 Start: 8353, Stop: 10035, Start Num: 14

Candidate Starts for EarickHC_20:

(Start: 12 @8344 has 34 MA's), (Start: 14 @8353 has 13 MA's), (16, 8368), (55, 8467), (59, 8473), (97, 8578), (101, 8590), (127, 8689), (129, 8695), (133, 8707), (150, 8761), (155, 8779), (170, 8833), (177, 8863), (197, 8902), (203, 8920), (204, 8929), (216, 8965), (236, 9028), (249, 9091), (256, 9118), (306, 9265), (307, 9268), (315, 9307), (337, 9397), (349, 9463), (350, 9472), (363, 9544), (371, 9577), (373, 9583), (383, 9613), (386, 9628), (412, 9766), (418, 9781), (428, 9802), (429, 9805),

Gene: EastView9101_10 Start: 6695, Stop: 8563, Start Num: 24

Candidate Starts for EastView9101_10:

(Start: 24 @6695 has 377 MA's), (Start: 31 @6710 has 11 MA's), (32, 6719), (97, 6851), (104, 6863), (105, 6872), (162, 7049), (165, 7061), (168, 7070), (170, 7076), (216, 7187), (220, 7202), (236, 7241), (263, 7379), (267, 7397), (288, 7457), (326, 7595), (334, 7631), (341, 7673), (343, 7685), (355, 7760), (360, 7784), (368, 7817), (372, 7829), (375, 7841), (386, 7865), (427, 8045), (432, 8063), (513, 8243), (527, 8264), (539, 8285), (565, 8387), (581, 8447), (616, 8555), (617, 8558),

Gene: EdmundFerry_12 Start: 5801, Stop: 7477, Start Num: 11

Candidate Starts for EdmundFerry_12:

(Start: 11 @5801 has 93 MA's), (Start: 14 @5834 has 13 MA's), (33, 5912), (60, 5966), (105, 6098), (111, 6128), (137, 6206), (143, 6224), (166, 6305), (197, 6377), (201, 6386), (218, 6446), (249, 6554), (251, 6566), (252, 6569), (254, 6575), (306, 6710), (307, 6713), (320, 6770), (335, 6845), (342, 6890), (346, 6908), (350, 6929), (355, 6968), (360, 6992), (365, 7013), (369, 7028), (387, 7079), (391, 7100), (410, 7205), (420, 7235), (432, 7259), (433, 7262), (475, 7340),

Gene: Emiris_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Emiris_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: EmpTee_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for EmpTee_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Eremos_8 Start: 4441, Stop: 6354, Start Num: 24

Candidate Starts for Eremos_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6118), (584, 6253), (594, 6295), (598, 6307),

Gene: Etaye_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Etaye_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Eugenia_9 Start: 4457, Stop: 6361, Start Num: 31

Candidate Starts for Eugenia_9:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Evaa_9 Start: 6619, Stop: 8448, Start Num: 24

Candidate Starts for Evaa_9:

(Start: 24 @6619 has 377 MA's), (Start: 43 @6664 has 7 MA's), (Start: 86 @6733 has 2 MA's), (97, 6775), (114, 6838), (138, 6907), (152, 6925), (176, 7012), (223, 7132), (247, 7222), (252, 7243), (262, 7300), (265, 7309), (267, 7321), (305, 7432), (316, 7483), (320, 7495), (322, 7510), (341, 7597), (343, 7609), (355, 7684), (360, 7708), (372, 7753), (386, 7789), (427, 7966), (530, 8173), (537, 8182), (538, 8185), (556, 8257), (566, 8284), (567, 8293), (594, 8398), (609, 8434), (611, 8437),

Gene: Evamon_12 Start: 5436, Stop: 7022, Start Num: 11

Candidate Starts for Evamon_12:

(Start: 11 @5436 has 93 MA's), (107, 5688), (113, 5718), (153, 5835), (158, 5856), (163, 5871), (233, 6045), (242, 6087), (246, 6111), (247, 6114), (258, 6153), (270, 6225), (306, 6285), (307, 6288), (308, 6291), (315, 6327), (317, 6336), (319, 6342), (320, 6345), (335, 6408), (342, 6453), (349, 6483), (355, 6531), (369, 6588), (375, 6609), (386, 6636), (387, 6639), (392, 6666), (400, 6717), (410, 6765),

Gene: Fang_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Fang_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Faze9_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Faze9_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Fireball_13 Start: 5562, Stop: 7145, Start Num: 11

Candidate Starts for Fireball_13:

(Start: 11 @5562 has 93 MA's), (42, 5676), (113, 5844), (154, 5964), (158, 5982), (163, 5997), (222, 6147), (235, 6177), (246, 6237), (247, 6240), (258, 6279), (270, 6351), (306, 6411), (307, 6414), (308, 6417), (315, 6453), (317, 6462), (319, 6468), (320, 6471), (335, 6534), (342, 6579), (349, 6609), (355, 6657), (369, 6714), (375, 6735), (381, 6741), (386, 6762), (392, 6792), (400, 6843), (410, 6891),

Gene: Fireman_20 Start: 8089, Stop: 9774, Start Num: 14

Candidate Starts for Fireman_20:

(Start: 12 @8080 has 34 MA's), (Start: 14 @8089 has 13 MA's), (59, 8212), (97, 8317), (101, 8329), (150, 8500), (155, 8518), (169, 8569), (197, 8641), (202, 8653), (203, 8659), (204, 8668), (216, 8704), (236, 8767), (249, 8830), (256, 8857), (262, 8902), (265, 8911), (290, 8953), (306, 9004), (307, 9007), (315, 9046), (317, 9055), (320, 9064), (329, 9097), (337, 9136), (349, 9202), (350, 9211), (351, 9226), (355, 9250), (371, 9316), (373, 9322), (383, 9349), (412, 9502), (429, 9541), (435, 9562), (460, 9607), (522, 9754),

Gene: Fitzgerald_11 Start: 6943, Stop: 8565, Start Num: 11

Candidate Starts for Fitzgerald_11:

(Start: 11 @6943 has 93 MA's), (42, 7063), (72, 7102), (91, 7141), (105, 7204), (132, 7297), (141, 7324), (153, 7363), (201, 7492), (218, 7552), (240, 7621), (244, 7642), (249, 7660), (252, 7675), (254, 7681), (266, 7744), (302, 7804), (306, 7816), (314, 7855), (317, 7867), (320, 7876), (325, 7909), (329, 7921), (335, 7951), (342, 7996), (345, 8011), (346, 8014), (351, 8050), (360, 8098), (363, 8107), (369, 8134), (410, 8311), (433, 8368), (437, 8374), (450, 8389), (462, 8410), (464, 8416), (485, 8452), (492, 8479),

Gene: Fizzles_22 Start: 8440, Stop: 10269, Start Num: 46

Candidate Starts for Fizzles_22:

(Start: 46 @8440 has 35 MA's), (128, 8683), (130, 8689), (161, 8767), (189, 8845), (200, 8863), (231, 8935), (249, 9013), (252, 9028), (262, 9085), (282, 9157), (296, 9181), (299, 9193), (302, 9202), (335, 9337), (338, 9358), (342, 9382), (343, 9388), (346, 9400), (355, 9460), (369, 9520), (391, 9589), (392, 9595), (403, 9661), (416, 9721), (443, 9787), (451, 9805), (491, 9871), (534, 9970), (545, 10006), (557, 10060), (592, 10195),

Gene: Flatwoods_13 Start: 6473, Stop: 8101, Start Num: 11

Candidate Starts for Flatwoods_13:

(Start: 11 @6473 has 93 MA's), (42, 6596), (Start: 58 @6617 has 10 MA's), (91, 6674), (105, 6737), (111, 6767), (132, 6830), (141, 6857), (197, 7016), (201, 7025), (230, 7112), (239, 7151), (244, 7175), (249, 7193), (252, 7208), (254, 7214), (266, 7277), (306, 7349), (314, 7388), (329, 7454), (335, 7484), (342, 7529), (345, 7544), (346, 7547), (351, 7583), (360, 7631), (363, 7640), (369, 7667), (381, 7694), (391, 7739), (404, 7814), (410, 7844), (414, 7862), (433, 7901), (437, 7907), (450, 7922), (462, 7943), (464, 7949), (485, 7985), (493, 8018),

Gene: FluffyNinja_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for FluffyNinja_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Fortunato_9 Start: 6742, Stop: 8628, Start Num: 24

Candidate Starts for Fortunato_9:

(Start: 24 @6742 has 377 MA's), (Start: 31 @6757 has 11 MA's), (79, 6838), (85, 6853), (99, 6904), (104, 6913), (114, 6964), (153, 7069), (170, 7129), (204, 7225), (233, 7303), (234, 7306), (244, 7360), (262, 7450), (263, 7453), (288, 7531), (292, 7543), (320, 7645), (334, 7705), (341, 7747), (343, 7759), (360, 7858), (362, 7864), (368, 7891), (370, 7897), (386, 7939), (392, 7969), (517, 8308), (526, 8317), (527, 8320), (544, 8359), (549, 8383), (565, 8443), (566, 8446), (567, 8455), (594, 8569), (613, 8614), (616, 8620),

Gene: Forza_77 Start: 31301, Stop: 33031, Start Num: 24

Candidate Starts for Forza_77:

(Start: 24 @31301 has 377 MA's), (64, 31379), (83, 31433), (90, 31445), (112, 31532), (116, 31547), (146, 31637), (166, 31712), (191, 31802), (241, 31997), (244, 32015), (245, 32018), (249, 32033), (252, 32048), (257, 32063), (260, 32090), (268, 32129), (328, 32300), (335, 32333), (343, 32384), (347, 32399), (349, 32408), (361, 32483), (362, 32486), (367, 32510), (418, 32735), (426, 32750), (435, 32780), (459, 32828), (464, 32843), (468, 32849),

Gene: Fosterous_10 Start: 6015, Stop: 7637, Start Num: 11

Candidate Starts for Fosterous_10:

(Start: 11 @6015 has 93 MA's), (72, 6174), (91, 6213), (105, 6276), (132, 6369), (141, 6396), (153, 6435), (197, 6555), (201, 6564), (218, 6624), (240, 6693), (244, 6714), (249, 6732), (252, 6747), (254, 6753), (266, 6816), (302, 6876), (306, 6888), (314, 6927), (317, 6939), (320, 6948), (329, 6993), (335, 7023), (342, 7068), (345, 7083), (346, 7086), (351, 7122), (360, 7170), (363, 7179), (369, 7206), (403, 7350), (410, 7383), (433, 7440), (437, 7446), (450, 7461), (462, 7482), (464, 7488), (485, 7524), (492, 7551),

Gene: Fozzie_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Fozzie_8:

(Start: 24 @4439 has 377 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Frankicide_8 Start: 4443, Stop: 6362, Start Num: 24

Candidate Starts for Frankicide_8:

(Start: 24 @4443 has 377 MA's), (Start: 31 @4458 has 11 MA's), (Start: 81 @4554 has 4 MA's), (87, 4569), (116, 4680), (161, 4812), (168, 4836), (170, 4842), (172, 4854), (176, 4866), (235, 5031), (260, 5157), (261, 5160), (262, 5172), (265, 5181), (267, 5193), (286, 5256), (289, 5265), (301, 5301), (307, 5319), (310, 5328), (320, 5376), (340, 5472), (341, 5478), (349, 5514), (355, 5562), (360, 5586), (407, 5781), (438, 5874), (549, 6126), (584, 6261), (594, 6303), (598, 6315),

Gene: Fransoyer_24 Start: 9057, Stop: 10871, Start Num: 46

Candidate Starts for Fransoyer_24:

(Start: 36 @9036 has 1 MA's), (Start: 46 @9057 has 35 MA's), (161, 9384), (166, 9402), (170, 9414), (234, 9558), (249, 9630), (255, 9654), (263, 9705), (301, 9819), (310, 9846), (315, 9876), (335, 9957), (342, 10002), (343, 10008), (346, 10020), (355, 10080), (377, 10164), (391, 10209), (392, 10215), (403, 10281), (416, 10341), (455, 10431), (491, 10491), (534, 10572), (592, 10797),

Gene: Frederick_9 Start: 6763, Stop: 8637, Start Num: 31

Candidate Starts for Frederick_9:

(Start: 24 @6748 has 377 MA's), (Start: 31 @6763 has 11 MA's), (79, 6844), (85, 6859), (99, 6910), (104, 6919), (114, 6970), (153, 7075), (170, 7135), (204, 7231), (233, 7309), (234, 7312), (236, 7321), (244, 7366), (262, 7456), (263, 7459), (288, 7537), (292, 7549), (320, 7651), (334, 7711), (341, 7753), (343, 7765), (360, 7864), (362, 7870), (368, 7897), (370, 7903), (373, 7912), (386, 7945), (392, 7975), (517, 8317), (526, 8326), (527, 8329), (549, 8392), (565, 8452), (566, 8455), (567, 8464), (594, 8578), (603, 8602), (616, 8629),

Gene: Fregley_22 Start: 7891, Stop: 9690, Start Num: 46

Candidate Starts for Fregley_22:

(Start: 46 @7891 has 35 MA's), (89, 7990), (147, 8155), (161, 8206), (170, 8236), (200, 8302), (271, 8569), (285, 8614), (314, 8701), (326, 8746), (334, 8782), (342, 8830), (343, 8836), (346, 8848), (351, 8884), (355, 8908), (391, 9043), (410, 9151), (415, 9172), (448, 9253), (455, 9262), (522, 9373), (534, 9391), (545, 9427), (561, 9493), (577, 9562), (588, 9595), (611, 9670),

Gene: FrenchFry_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for FrenchFry_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Fresco_8 Start: 5351, Stop: 7141, Start Num: 45

Candidate Starts for Fresco_8:

(Start: 24 @5303 has 377 MA's), (Start: 45 @5351 has 2 MA's), (Start: 86 @5417 has 2 MA's), (97, 5459), (138, 5591), (164, 5654), (170, 5672), (234, 5825), (236, 5834), (244, 5879), (252, 5912), (262, 5969), (263, 5972), (267, 5990), (273, 6023), (284, 6050), (316, 6161), (320, 6173), (322, 6188), (341,

6275), (343, 6287), (355, 6362), (360, 6386), (369, 6422), (371, 6428), (372, 6431), (373, 6434), (386, 6467), (537, 6866), (538, 6869), (539, 6872), (556, 6941), (559, 6947), (566, 6968), (575, 7004), (587, 7049), (590, 7070), (598, 7094), (603, 7106), (609, 7118), (611, 7121),

Gene: Freya_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Freya_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: FriarPreacher_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for FriarPreacher_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Fringe_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Fringe_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: FugateOSU_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for FugateOSU_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Fugax_12 Start: 5583, Stop: 7169, Start Num: 11

Candidate Starts for Fugax_12:

(Start: 11 @5583 has 93 MA's), (107, 5835), (113, 5865), (153, 5982), (158, 6003), (163, 6018), (233, 6192), (242, 6234), (246, 6258), (247, 6261), (258, 6300), (270, 6372), (306, 6432), (307, 6435), (308, 6438), (315, 6474), (317, 6483), (319, 6489), (320, 6492), (335, 6555), (342, 6600), (349, 6630), (355, 6678), (369, 6735), (375, 6756), (386, 6783), (387, 6786), (392, 6813), (400, 6864), (410, 6912),

Gene: Funsized_14 Start: 8736, Stop: 10637, Start Num: 24

Candidate Starts for Funsized_14:

(Start: 24 @8736 has 377 MA's), (72, 8817), (107, 8931), (147, 9063), (192, 9207), (226, 9303), (236, 9330), (244, 9375), (259, 9432), (262, 9465), (263, 9468), (267, 9486), (289, 9549), (292, 9558), (297, 9576), (315, 9642), (316, 9648), (334, 9720), (341, 9762), (342, 9768), (368, 9903), (369, 9906), (372, 9915), (391, 9975), (413, 10098), (428, 10134), (438, 10161), (477, 10221), (519, 10335), (567, 10473), (586, 10542), (588, 10551),

Gene: FuzzBuster_24 Start: 8570, Stop: 10354, Start Num: 12

Candidate Starts for FuzzBuster_24:

(Start: 12 @8570 has 34 MA's), (Start: 14 @8579 has 13 MA's), (30, 8636), (97, 8798), (106, 8837), (133, 8930), (176, 9086), (193, 9116), (194, 9119), (249, 9314), (256, 9341), (262, 9386), (264, 9392), (265, 9395), (270, 9419), (306, 9488), (315, 9530), (317, 9539), (318, 9542), (335, 9611), (350, 9695), (353, 9719), (372, 9803), (373, 9806), (389, 9863), (391, 9872), (392, 9878), (428, 10025), (435, 10049), (450, 10076), (460, 10094), (481, 10136), (515, 10265),

Gene: GMA2_9 Start: 6225, Stop: 7979, Start Num: 17

Candidate Starts for GMA2_9:

(17, 6225), (83, 6396), (112, 6495), (114, 6504), (127, 6543), (184, 6741), (209, 6834), (241, 6963), (244, 6981), (257, 7029), (260, 7056), (262, 7068), (296, 7143), (349, 7374), (362, 7452), (372, 7491), (421, 7707), (435, 7746), (464, 7809), (468, 7815), (483, 7851), (502, 7926),

Gene: GTE6_14 Start: 6302, Stop: 7978, Start Num: 11

Candidate Starts for GTE6_14:

(Start: 11 @6302 has 93 MA's), (Start: 14 @6335 has 13 MA's), (33, 6413), (Start: 46 @6440 has 35 MA's), (60, 6467), (105, 6599), (111, 6629), (137, 6707), (143, 6725), (166, 6806), (197, 6878), (201, 6887), (218, 6947), (249, 7055), (251, 7067), (252, 7070), (254, 7076), (306, 7211), (307, 7214), (320, 7271), (335, 7346), (342, 7391), (346, 7409), (350, 7430), (355, 7469), (360, 7493), (365, 7514), (369, 7529), (387, 7580), (391, 7601), (410, 7706), (420, 7736),

Gene: Gadjet_12 Start: 6318, Stop: 8222, Start Num: 24

Candidate Starts for Gadjet_12:

(Start: 24 @6318 has 377 MA's), (32, 6345), (80, 6426), (99, 6489), (116, 6555), (127, 6588), (164, 6696), (192, 6786), (215, 6864), (236, 6921), (246, 6975), (262, 7056), (267, 7077), (272, 7104), (295, 7155), (297, 7164), (301, 7173), (341, 7350), (343, 7362), (355, 7437), (360, 7461), (365, 7482), (391, 7566), (418, 7704), (427, 7722), (438, 7749), (454, 7773), (531, 7938), (538, 7947), (566, 8052), (567, 8061), (575, 8088), (598, 8178), (609, 8202), (616, 8214),

Gene: Gaea_12 Start: 6275, Stop: 7903, Start Num: 11

Candidate Starts for Gaea_12:

(Start: 11 @6275 has 93 MA's), (42, 6398), (Start: 58 @6419 has 10 MA's), (91, 6476), (105, 6539), (111, 6569), (132, 6632), (141, 6659), (201, 6827), (230, 6914), (239, 6953), (244, 6977), (249, 6995), (252, 7010), (254, 7016), (266, 7079), (306, 7151), (314, 7190), (329, 7256), (335, 7286), (342, 7331), (345, 7346), (346, 7349), (351, 7385), (360, 7433), (363, 7442), (369, 7469), (381, 7496), (391, 7541), (400, 7598), (404, 7616), (410, 7646), (414, 7664), (433, 7703), (437, 7709), (450, 7724), (462, 7745), (464, 7751), (485, 7787), (493, 7820),

Gene: Galadriel_14 Start: 6783, Stop: 8405, Start Num: 11

Candidate Starts for Galadriel_14:

(Start: 11 @6783 has 93 MA's), (72, 6942), (91, 6981), (105, 7044), (132, 7137), (141, 7164), (153, 7203), (201, 7332), (218, 7392), (240, 7461), (244, 7482), (249, 7500), (252, 7515), (254, 7521), (266, 7584), (302, 7644), (306, 7656), (314, 7695), (317, 7707), (320, 7716), (329, 7761), (335, 7791), (342, 7836), (345, 7851), (346, 7854), (351, 7890), (360, 7938), (363, 7947), (369, 7974), (410, 8151), (433, 8208), (437, 8214), (450, 8229), (462, 8250), (464, 8256), (485, 8292), (492, 8319),

Gene: Ganandorf_19 Start: 8504, Stop: 10171, Start Num: 14

Candidate Starts for Ganandorf_19:

(Start: 12 @8495 has 34 MA's), (Start: 14 @8504 has 13 MA's), (55, 8618), (59, 8624), (97, 8729), (101, 8741), (127, 8840), (129, 8846), (133, 8858), (150, 8912), (155, 8930), (170, 8984), (177, 9014), (197, 9053), (203, 9071), (204, 9080), (216, 9116), (236, 9179), (249, 9242), (256, 9269), (306, 9416), (307, 9419), (315, 9458), (320, 9476), (337, 9548), (349, 9614), (350, 9623), (363, 9695), (371, 9728), (373, 9734), (383, 9764), (386, 9779), (412, 9917), (418, 9932), (428, 9953), (429, 9956),

Gene: Gareth_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Gareth_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Gazebo_21 Start: 8940, Stop: 10766, Start Num: 46

Candidate Starts for Gazebo_21:

(Start: 46 @8940 has 35 MA's), (150, 9225), (161, 9264), (189, 9342), (200, 9360), (249, 9510), (252, 9525), (262, 9582), (299, 9699), (302, 9708), (335, 9843), (342, 9888), (343, 9894), (346, 9906), (355, 9966), (391, 10095), (392, 10101), (396, 10128), (416, 10227), (433, 10272), (534, 10467), (545, 10503), (547, 10521), (560, 10566),

Gene: GeneCoco_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for GeneCoco_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Geodirt_12 Start: 6790, Stop: 8412, Start Num: 11

Candidate Starts for Geodirt_12:

(Start: 11 @6790 has 93 MA's), (72, 6949), (91, 6988), (105, 7051), (132, 7144), (141, 7171), (153, 7210), (201, 7339), (218, 7399), (240, 7468), (244, 7489), (249, 7507), (252, 7522), (254, 7528), (266, 7591), (302, 7651), (306, 7663), (314, 7702), (317, 7714), (320, 7723), (325, 7756), (329, 7768), (335, 7798), (342, 7843), (345, 7858), (346, 7861), (351, 7897), (360, 7945), (363, 7954), (369, 7981), (410, 8158), (433, 8215), (437, 8221), (450, 8236), (462, 8257), (464, 8263), (485, 8299), (492, 8326),

Gene: Gervas_11 Start: 6309, Stop: 8207, Start Num: 24

Candidate Starts for Gervas_11:

(Start: 24 @6309 has 377 MA's), (32, 6336), (80, 6417), (99, 6480), (116, 6546), (127, 6579), (164, 6687), (192, 6777), (215, 6855), (236, 6912), (246, 6966), (262, 7047), (267, 7068), (272, 7095), (295, 7146), (297, 7155), (301, 7164), (341, 7341), (343, 7353), (355, 7428), (360, 7452), (365, 7473), (391, 7557), (418, 7695), (427, 7713), (438, 7740), (454, 7764), (531, 7923), (538, 7932), (566, 8037), (567, 8046), (575, 8073), (598, 8163), (599, 8166), (609, 8187), (616, 8199),

Gene: Gezellig_12 Start: 5562, Stop: 7145, Start Num: 11

Candidate Starts for Gezellig_12:

(Start: 11 @5562 has 93 MA's), (42, 5676), (113, 5844), (154, 5964), (158, 5982), (163, 5997), (222, 6147), (235, 6177), (246, 6237), (247, 6240), (258, 6279), (270, 6351), (306, 6411), (307, 6414), (308, 6417), (315, 6453), (317, 6462), (319, 6468), (320, 6471), (335, 6534), (342, 6579), (349, 6609), (355, 6657), (369, 6714), (375, 6735), (381, 6741), (386, 6762), (392, 6792), (400, 6843), (410, 6891),

Gene: Gina_20 Start: 7583, Stop: 9301, Start Num: 12

Candidate Starts for Gina_20:

(Start: 12 @7583 has 34 MA's), (Start: 14 @7592 has 13 MA's), (59, 7712), (97, 7817), (101, 7829), (127, 7928), (133, 7946), (150, 8000), (155, 8018), (169, 8069), (173, 8093), (191, 8123), (202, 8153), (203, 8159), (204, 8168), (216, 8204), (236, 8267), (249, 8330), (256, 8357), (262, 8402), (306, 8504), (307, 8507), (317, 8555), (320, 8564), (329, 8597), (337, 8636), (349, 8702), (350, 8711), (351, 8726), (353, 8735), (355, 8750), (357, 8762), (363, 8783), (371, 8816), (373, 8822), (383, 8852), (392, 8897),

(412, 9005), (423, 9029), (435, 9065), (436, 9068), (446, 9089), (460, 9110), (515, 9245), (522, 9257), (531, 9284),

Gene: Giraffe_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Giraffe_8:

(Start: 24 @4442 has 377 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Glass_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Glass_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: GlenHope_12 Start: 6328, Stop: 8232, Start Num: 24

Candidate Starts for GlenHope_12:

(Start: 24 @6328 has 377 MA's), (32, 6355), (80, 6436), (99, 6499), (116, 6565), (127, 6598), (164, 6706), (192, 6796), (215, 6874), (236, 6931), (246, 6985), (262, 7066), (267, 7087), (272, 7114), (295, 7165), (297, 7174), (301, 7183), (341, 7360), (343, 7372), (355, 7447), (360, 7471), (365, 7492), (391, 7576), (418, 7714), (427, 7732), (438, 7759), (454, 7783), (531, 7948), (538, 7957), (566, 8062), (567, 8071), (575, 8098), (598, 8188), (599, 8191), (609, 8212), (616, 8224),

Gene: GodPhather_7 Start: 3607, Stop: 5463, Start Num: 24

Candidate Starts for GodPhather_7:

(Start: 20 @3589 has 6 MA's), (Start: 24 @3607 has 377 MA's), (Start: 56 @3664 has 2 MA's), (108, 3802), (114, 3832), (134, 3886), (170, 3997), (212, 4126), (234, 4183), (236, 4192), (244, 4237), (249, 4255), (264, 4333), (265, 4336), (301, 4420), (309, 4444), (313, 4468), (341, 4597), (343, 4609), (349, 4633), (355, 4684), (368, 4741), (372, 4753), (411, 4927), (438, 4996), (556, 5248), (594, 5389), (598, 5401), (617, 5443),

Gene: Godines_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Godines_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: GodonK_66 Start: 24698, Stop: 26512, Start Num: 23

Candidate Starts for GodonK_66:

(Start: 19 @24686 has 1 MA's), (Start: 23 @24698 has 1 MA's), (37, 24743), (49, 24767), (83, 24854), (109, 24938), (110, 24941), (122, 24986), (184, 25199), (210, 25298), (216, 25322), (244, 25442),

(251, 25472), (257, 25490), (260, 25517), (297, 25613), (306, 25637), (314, 25676), (318, 25691), (329, 25730), (330, 25733), (331, 25736), (339, 25784), (343, 25811), (349, 25835), (361, 25910), (362, 25913), (363, 25916), (365, 25928), (367, 25937), (372, 25952), (373, 25955), (413, 26150), (433, 26201), (468, 26276), (478, 26297), (520, 26414),

Gene: Gophee_8 Start: 4552, Stop: 6360, Start Num: 81

Candidate Starts for Gophee_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Grand2040_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Grand2040_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Grassboy_23 Start: 9122, Stop: 10948, Start Num: 46

Candidate Starts for Grassboy_23:

(Start: 46 @9122 has 35 MA's), (104, 9272), (150, 9407), (161, 9446), (189, 9524), (200, 9542), (249, 9692), (252, 9707), (262, 9764), (299, 9881), (302, 9890), (335, 10025), (342, 10070), (343, 10076), (346, 10088), (355, 10148), (391, 10277), (392, 10283), (396, 10310), (416, 10409), (433, 10454), (534, 10649), (545, 10685), (547, 10703), (560, 10748),

Gene: Gustavo_12 Start: 6272, Stop: 7900, Start Num: 11

Candidate Starts for Gustavo_12:

(Start: 11 @6272 has 93 MA's), (42, 6395), (Start: 58 @6416 has 10 MA's), (91, 6473), (105, 6536), (111, 6566), (132, 6629), (141, 6656), (201, 6824), (230, 6911), (239, 6950), (244, 6974), (249, 6992), (252, 7007), (254, 7013), (266, 7076), (306, 7148), (314, 7187), (329, 7253), (335, 7283), (342, 7328), (345, 7343), (346, 7346), (351, 7382), (360, 7430), (363, 7439), (369, 7466), (381, 7493), (391, 7538), (404, 7613), (410, 7643), (414, 7661), (433, 7700), (437, 7706), (450, 7721), (462, 7742), (464, 7748), (485, 7784), (493, 7817),

Gene: Gwilliam_9 Start: 4564, Stop: 6357, Start Num: 87

Candidate Starts for Gwilliam_9:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Gyarad_008 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Gyarad_008:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: HSavage_8 Start: 4443, Stop: 6362, Start Num: 24

Candidate Starts for HSavage_8:

(Start: 24 @4443 has 377 MA's), (Start: 31 @4458 has 11 MA's), (Start: 81 @4554 has 4 MA's), (87, 4569), (116, 4680), (161, 4812), (168, 4836), (170, 4842), (172, 4854), (176, 4866), (235, 5031), (260, 5157), (261, 5160), (262, 5172), (265, 5181), (267, 5193), (286, 5256), (289, 5265), (301, 5301), (307, 5319), (310, 5328), (320, 5376), (340, 5472), (341, 5478), (349, 5514), (355, 5562), (360, 5586), (407, 5781), (438, 5874), (549, 6126), (584, 6261), (594, 6303), (598, 6315),

Gene: Haimas_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Haimas_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Haleema_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Haleema_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Halfpint_10 Start: 6163, Stop: 8067, Start Num: 24

Candidate Starts for Halfpint_10:

(Start: 24 @6163 has 377 MA's), (32, 6190), (80, 6271), (99, 6334), (116, 6400), (127, 6433), (164, 6541), (192, 6631), (215, 6709), (236, 6766), (246, 6820), (262, 6901), (267, 6922), (272, 6949), (295, 7000), (297, 7009), (301, 7018), (341, 7195), (343, 7207), (355, 7282), (360, 7306), (365, 7327), (391, 7411), (418, 7549), (427, 7567), (438, 7594), (454, 7618), (531, 7783), (538, 7792), (566, 7897), (567, 7906), (575, 7933), (598, 8023), (609, 8047), (616, 8059),

Gene: Halo3_13 Start: 5892, Stop: 7478, Start Num: 11

Candidate Starts for Halo3_13:

(Start: 11 @5892 has 93 MA's), (Start: 22 @5955 has 2 MA's), (107, 6144), (113, 6174), (153, 6291), (158, 6312), (163, 6327), (233, 6501), (235, 6507), (242, 6543), (246, 6567), (247, 6570), (258, 6609), (270, 6681), (306, 6741), (314, 6780), (315, 6783), (317, 6792), (319, 6798), (335, 6864), (342, 6909), (349, 6939), (355, 6987), (369, 7044), (375, 7065), (386, 7092), (387, 7095), (392, 7122), (400, 7173), (410, 7221),

Gene: Hamish_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Hamish_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Hangman_9 Start: 6748, Stop: 8637, Start Num: 24

Candidate Starts for Hangman_9:

(Start: 24 @6748 has 377 MA's), (Start: 31 @6763 has 11 MA's), (79, 6844), (85, 6859), (99, 6910), (104, 6919), (114, 6970), (153, 7075), (170, 7135), (204, 7231), (233, 7309), (234, 7312), (236, 7321), (244, 7366), (262, 7456), (263, 7459), (288, 7537), (292, 7549), (320, 7651), (334, 7711), (341, 7753),

(343, 7765), (355, 7840), (360, 7864), (362, 7870), (368, 7897), (370, 7903), (373, 7912), (386, 7945), (392, 7975), (517, 8317), (526, 8326), (527, 8329), (549, 8392), (565, 8452), (566, 8455), (567, 8464), (594, 8578), (603, 8602), (616, 8629),

Gene: Hans_15 Start: 6962, Stop: 8596, Start Num: 11

Candidate Starts for Hans_15:

(Start: 11 @6962 has 93 MA's), (13, 6989), (15, 6998), (Start: 22 @7034 has 2 MA's), (Start: 46 @7100 has 35 MA's), (83, 7157), (94, 7190), (105, 7235), (111, 7265), (113, 7274), (121, 7298), (126, 7313), (153, 7394), (169, 7451), (196, 7511), (201, 7523), (204, 7541), (218, 7583), (244, 7673), (249, 7691), (252, 7706), (254, 7712), (264, 7766), (270, 7787), (306, 7847), (307, 7850), (320, 7907), (323, 7931), (329, 7952), (335, 7982), (342, 8027), (346, 8045), (350, 8066), (360, 8129), (365, 8150), (369, 8165), (387, 8216), (406, 8321), (410, 8342), (420, 8372), (430, 8390), (464, 8456), (475, 8477), (493, 8531),

Gene: Hartsy_8 Start: 4549, Stop: 6357, Start Num: 81

Candidate Starts for Hartsy_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Harvey_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Harvey_8:

(Start: 24 @4442 has 377 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: HarveySr_11 Start: 6315, Stop: 8219, Start Num: 24

Candidate Starts for HarveySr_11:

(Start: 24 @6315 has 377 MA's), (32, 6342), (80, 6423), (99, 6486), (116, 6552), (127, 6585), (164, 6693), (192, 6783), (215, 6861), (236, 6918), (246, 6972), (262, 7053), (267, 7074), (272, 7101), (295, 7152), (297, 7161), (301, 7170), (341, 7347), (343, 7359), (355, 7434), (360, 7458), (365, 7479), (391, 7563), (418, 7701), (427, 7719), (438, 7746), (454, 7770), (531, 7935), (538, 7944), (566, 8049), (567, 8058), (575, 8085), (598, 8175), (599, 8178), (609, 8199), (616, 8211),

Gene: Hashim76_13 Start: 5567, Stop: 7492, Start Num: 24

Candidate Starts for Hashim76_13:

(Start: 24 @5567 has 377 MA's), (162, 5942), (165, 5954), (176, 5993), (196, 6044), (202, 6059), (237, 6170), (244, 6209), (250, 6230), (260, 6284), (261, 6287), (267, 6320), (278, 6368), (289, 6392), (292, 6401), (297, 6419), (310, 6455), (333, 6554), (341, 6605), (349, 6641), (360, 6713), (418, 6956), (427, 6974), (537, 7208), (566, 7319), (567, 7328), (570, 7343), (584, 7391), (613, 7478),

Gene: Heath_9 Start: 6748, Stop: 8637, Start Num: 24

Candidate Starts for Heath_9:

(Start: 24 @6748 has 377 MA's), (Start: 31 @6763 has 11 MA's), (79, 6844), (85, 6859), (99, 6910), (104, 6919), (114, 6970), (153, 7075), (170, 7135), (204, 7231), (233, 7309), (234, 7312), (236, 7321), (244, 7366), (262, 7456), (263, 7459), (288, 7537), (292, 7549), (320, 7651), (334, 7711), (341, 7753), (343, 7765), (355, 7840), (360, 7864), (362, 7870), (368, 7897), (370, 7903), (373, 7912), (386, 7945), (392, 7975), (517, 8317), (526, 8326), (527, 8329), (549, 8392), (565, 8452), (566, 8455), (567, 8464), (594, 8578), (613, 8623), (616, 8629),

Gene: Heathcliff_11 Start: 6309, Stop: 8204, Start Num: 24

Candidate Starts for Heathcliff_11:

(Start: 24 @6309 has 377 MA's), (32, 6336), (80, 6417), (99, 6480), (116, 6546), (127, 6579), (164, 6687), (192, 6777), (215, 6855), (236, 6912), (246, 6966), (262, 7047), (267, 7068), (272, 7095), (295, 7146), (297, 7155), (301, 7164), (341, 7341), (343, 7353), (355, 7428), (360, 7452), (365, 7473), (391, 7557), (418, 7695), (427, 7713), (438, 7740), (454, 7764), (531, 7920), (538, 7929), (566, 8034), (567, 8043), (575, 8070), (598, 8160), (599, 8163), (609, 8184), (616, 8196),

Gene: Hedgerow_12 Start: 7827, Stop: 9716, Start Num: 24

Candidate Starts for Hedgerow_12:

(Start: 24 @7827 has 377 MA's), (44, 7875), (Start: 56 @7899 has 2 MA's), (72, 7917), (Start: 86 @7950 has 2 MA's), (114, 8058), (144, 8142), (164, 8205), (174, 8241), (195, 8292), (200, 8304), (204, 8325), (234, 8403), (236, 8412), (244, 8457), (262, 8547), (263, 8550), (265, 8556), (267, 8568), (270, 8583), (272, 8595), (305, 8679), (312, 8712), (316, 8730), (329, 8775), (341, 8844), (343, 8856), (355, 8931), (360, 8955), (362, 8961), (368, 8988), (372, 9000), (374, 9006), (386, 9036), (387, 9039), (392, 9066), (403, 9132), (405, 9141), (427, 9216), (443, 9252), (471, 9297), (530, 9435), (531, 9438), (539, 9450), (562, 9537), (566, 9546), (567, 9555), (570, 9570), (580, 9600), (584, 9618), (588, 9633), (594, 9660), (598, 9672), (616, 9708),

Gene: Held_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Held_8:

(Start: 24 @4442 has 377 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: HenryJackson_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for HenryJackson_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Hermeonysus_19 Start: 8365, Stop: 10041, Start Num: 12

Candidate Starts for Hermeonysus_19:

(Start: 12 @8365 has 34 MA's), (Start: 14 @8374 has 13 MA's), (55, 8488), (59, 8494), (97, 8599), (101, 8611), (127, 8710), (129, 8716), (133, 8728), (150, 8782), (155, 8800), (170, 8854), (177, 8884), (197, 8923), (203, 8941), (204, 8950), (216, 8986), (236, 9049), (249, 9112), (256, 9139), (306, 9286), (307, 9289), (315, 9328), (320, 9346), (337, 9418), (349, 9484), (350, 9493), (363, 9565), (371, 9598), (373, 9604), (383, 9634), (386, 9649), (412, 9787), (418, 9802), (428, 9823), (429, 9826),

Gene: Hertubise_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Hertubise_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Hetaeria_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Hetaeria_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: HighStump_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for HighStump_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Hocus_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Hocus_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Holeinone_12 Start: 7727, Stop: 9616, Start Num: 24

Candidate Starts for Holeinone_12:

(Start: 24 @7727 has 377 MA's), (44, 7775), (Start: 56 @7799 has 2 MA's), (72, 7817), (Start: 86 @7850 has 2 MA's), (114, 7958), (144, 8042), (164, 8105), (174, 8141), (195, 8192), (204, 8225), (234, 8303), (236, 8312), (244, 8357), (262, 8447), (263, 8450), (265, 8456), (267, 8468), (270, 8483), (272, 8495), (305, 8579), (312, 8612), (316, 8630), (329, 8675), (341, 8744), (343, 8756), (355, 8831), (360, 8855), (362, 8861), (368, 8888), (372, 8900), (374, 8906), (386, 8936), (387, 8939), (392, 8966), (403, 9032), (405, 9041), (427, 9116), (443, 9152), (471, 9197), (530, 9335), (531, 9338), (539, 9350), (562, 9437), (566, 9446), (567, 9455), (570, 9470), (580, 9500), (584, 9518), (588, 9533), (594, 9560), (598, 9572), (616, 9608),

Gene: Honeyfin_21 Start: 8650, Stop: 10356, Start Num: 12

Candidate Starts for Honeyfin_21:

(Start: 12 @8650 has 34 MA's), (Start: 14 @8659 has 13 MA's), (16, 8674), (55, 8773), (59, 8779), (97, 8884), (101, 8896), (127, 8995), (129, 9001), (150, 9067), (155, 9085), (170, 9139), (177, 9169), (197, 9208), (203, 9226), (204, 9235), (216, 9271), (236, 9334), (249, 9397), (256, 9424), (262, 9469), (306, 9571), (307, 9574), (315, 9613), (320, 9631), (337, 9703), (349, 9769), (350, 9778), (355, 9817), (363, 9850), (371, 9883), (373, 9889), (383, 9919), (412, 10072), (418, 10087), (428, 10108), (429, 10111), (522, 10324),

Gene: Horchata_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for Horchata_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Hosp_05 Start: 3410, Stop: 5326, Start Num: 24

Candidate Starts for Hosp_05:

(Start: 24 @3410 has 377 MA's), (Start: 31 @3425 has 11 MA's), (71, 3488), (Start: 81 @3512 has 4 MA's), (95, 3554), (97, 3569), (99, 3572), (103, 3581), (147, 3731), (170, 3812), (179, 3842), (198, 3890), (233, 3983), (234, 3986), (236, 3995), (246, 4049), (247, 4052), (262, 4130), (263, 4133), (267, 4151), (286, 4214), (292, 4232), (308, 4280), (320, 4334), (334, 4394), (341, 4436), (353, 4508), (355, 4523), (359, 4544), (368, 4580), (372, 4592), (386, 4628), (413, 4775), (438, 4841), (471, 4907), (521, 5030), (542, 5060), (544, 5069), (549, 5087), (583, 5219), (584, 5222), (607, 5300),

Gene: Hydro_9 Start: 6745, Stop: 8634, Start Num: 24

Candidate Starts for Hydro_9:

(Start: 24 @6745 has 377 MA's), (Start: 31 @6760 has 11 MA's), (79, 6841), (85, 6856), (99, 6907), (104, 6916), (114, 6967), (153, 7072), (170, 7132), (204, 7228), (233, 7306), (234, 7309), (236, 7318), (244, 7363), (262, 7453), (263, 7456), (288, 7534), (292, 7546), (320, 7648), (334, 7708), (341, 7750), (343, 7762), (355, 7837), (360, 7861), (362, 7867), (368, 7894), (370, 7900), (373, 7909), (386, 7942), (392, 7972), (517, 8314), (526, 8323), (527, 8326), (549, 8389), (565, 8449), (566, 8452), (567, 8461), (594, 8575), (603, 8599), (616, 8626),

Gene: Hyperion_21 Start: 8813, Stop: 10639, Start Num: 46

Candidate Starts for Hyperion_21:

(Start: 46 @8813 has 35 MA's), (104, 8963), (150, 9098), (161, 9137), (189, 9215), (200, 9233), (249, 9383), (252, 9398), (262, 9455), (299, 9572), (302, 9581), (335, 9716), (342, 9761), (343, 9767), (346, 9779), (355, 9839), (391, 9968), (392, 9974), (396, 10001), (416, 10100), (433, 10145), (534, 10340), (545, 10376), (547, 10394), (560, 10439),

Gene: ImtiyazSitla_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for ImtiyazSitla_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Imvubu_5 Start: 3537, Stop: 5456, Start Num: 24

Candidate Starts for Imvubu_5:

(Start: 24 @3537 has 377 MA's), (72, 3618), (103, 3708), (127, 3798), (147, 3858), (150, 3870), (161, 3909), (192, 4002), (212, 4071), (214, 4077), (224, 4107), (226, 4110), (236, 4137), (244, 4182), (262, 4272), (263, 4275), (267, 4293), (307, 4410), (310, 4419), (315, 4449), (320, 4467), (341, 4569), (349, 4605), (364, 4689), (371, 4719), (372, 4722), (402, 4851), (405, 4863), (477, 5028), (507, 5133), (566, 5283), (570, 5307), (586, 5361), (588, 5370), (598, 5409), (613, 5442),

Gene: Inchworm_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Inchworm_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Indlovu_9 Start: 6386, Stop: 8284, Start Num: 24

Candidate Starts for Indlovu_9:

(Start: 24 @6386 has 377 MA's), (108, 6608), (114, 6638), (123, 6668), (140, 6716), (147, 6737), (170, 6818), (216, 6929), (226, 6956), (236, 6983), (244, 7028), (292, 7211), (317, 7304), (320, 7313), (333, 7364), (341, 7415), (343, 7427), (355, 7502), (360, 7526), (368, 7559), (427, 7787), (441, 7817), (525, 7988), (539, 8012), (565, 8108), (567, 8120), (588, 8198), (590, 8213), (616, 8276),

Gene: Inspectinfecti_14 Start: 7478, Stop: 9112, Start Num: 11

Candidate Starts for Inspectinfecti_14:

(Start: 11 @7478 has 93 MA's), (13, 7505), (15, 7514), (Start: 22 @7550 has 2 MA's), (34, 7592), (Start: 46 @7616 has 35 MA's), (83, 7673), (94, 7706), (105, 7751), (111, 7781), (113, 7790), (121, 7814), (126, 7829), (153, 7910), (169, 7967), (196, 8027), (201, 8039), (204, 8057), (218, 8099), (244, 8189), (249, 8207), (252, 8222), (254, 8228), (264, 8282), (270, 8303), (306, 8363), (307, 8366), (320, 8423), (323, 8447), (335, 8498), (342, 8543), (346, 8561), (350, 8582), (360, 8645), (365, 8666), (369, 8681), (387, 8732), (406, 8837), (410, 8858), (420, 8888), (430, 8906), (464, 8972), (475, 8993), (493, 9047),

Gene: Inverness_8 Start: 4458, Stop: 6362, Start Num: 31

Candidate Starts for Inverness_8:

(Start: 24 @4443 has 377 MA's), (Start: 31 @4458 has 11 MA's), (Start: 81 @4554 has 4 MA's), (87, 4569), (116, 4680), (161, 4812), (168, 4836), (170, 4842), (172, 4854), (176, 4866), (235, 5031), (260, 5157), (261, 5160), (262, 5172), (265, 5181), (267, 5193), (286, 5256), (289, 5265), (301, 5301), (307, 5319), (310, 5328), (320, 5376), (340, 5472), (341, 5478), (349, 5514), (355, 5562), (360, 5586), (407, 5781), (438, 5874), (549, 6126), (584, 6261), (594, 6303), (598, 6315),

Gene: Iridoclysis_8 Start: 4445, Stop: 6364, Start Num: 24

Candidate Starts for Iridoclysis_8:

(Start: 24 @4445 has 377 MA's), (Start: 31 @4460 has 11 MA's), (Start: 81 @4556 has 4 MA's), (87, 4571), (116, 4682), (161, 4814), (168, 4838), (170, 4844), (172, 4856), (176, 4868), (235, 5033), (260, 5159), (261, 5162), (262, 5174), (265, 5183), (267, 5195), (286, 5258), (289, 5267), (301, 5303), (307, 5321), (310, 5330), (320, 5378), (340, 5474), (341, 5480), (349, 5516), (355, 5564), (360, 5588), (407, 5783), (438, 5876), (549, 6128), (584, 6263), (594, 6305), (598, 6317),

Gene: IsaacEli_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for IsaacEli_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: ItsyBitsy1_12 Start: 7719, Stop: 9608, Start Num: 24

Candidate Starts for ItsyBitsy1_12:

(Start: 24 @7719 has 377 MA's), (44, 7767), (Start: 56 @7791 has 2 MA's), (72, 7809), (Start: 86 @7842 has 2 MA's), (114, 7950), (144, 8034), (164, 8097), (174, 8133), (195, 8184), (204, 8217), (234, 8295), (236, 8304), (244, 8349), (262, 8439), (263, 8442), (265, 8448), (267, 8460), (270, 8475), (272, 8487), (305, 8571), (312, 8604), (316, 8622), (329, 8667), (341, 8736), (343, 8748), (355, 8823), (360, 8847), (362, 8853), (368, 8880), (372, 8892), (374, 8898), (386, 8928), (387, 8931), (392, 8958), (403, 9024), (405, 9033), (427, 9108), (443, 9144), (471, 9189), (530, 9327), (531, 9330), (539, 9342), (562, 9429), (566, 9438), (567, 9447), (570, 9462), (580, 9492), (584, 9510), (588, 9525), (594, 9552), (598, 9564), (616, 9600),

Gene: JAMaL_8 Start: 6274, Stop: 8166, Start Num: 24

Candidate Starts for JAMaL_8:

(Start: 24 @6274 has 377 MA's), (72, 6355), (85, 6385), (88, 6394), (99, 6436), (104, 6445), (117, 6505), (150, 6592), (153, 6601), (170, 6661), (175, 6682), (194, 6721), (204, 6757), (233, 6835), (234, 6838), (236, 6847), (244, 6892), (262, 6982), (263, 6985), (286, 7057), (288, 7063), (289, 7066), (292, 7075), (310, 7129), (316, 7165), (320, 7177), (322, 7192), (334, 7237), (341, 7279), (343, 7291), (359, 7387), (360, 7390), (362, 7396), (368, 7423), (370, 7429), (392, 7501), (428, 7654), (479, 7744), (517,

7846), (526, 7855), (527, 7858), (547, 7915), (549, 7921), (566, 7984), (567, 7993), (594, 8107), (605, 8137), (616, 8158),

Gene: JDog_8 Start: 4551, Stop: 6359, Start Num: 81

Candidate Starts for JDog_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: JKSyngboy_11 Start: 6783, Stop: 8414, Start Num: 11

Candidate Starts for JKSyngboy_11:

(Start: 11 @6783 has 93 MA's), (42, 6906), (Start: 58 @6927 has 10 MA's), (91, 6984), (105, 7047), (132, 7140), (141, 7167), (201, 7335), (230, 7422), (239, 7461), (244, 7485), (249, 7503), (252, 7518), (254, 7524), (266, 7587), (306, 7659), (310, 7671), (314, 7698), (320, 7719), (329, 7764), (335, 7794), (342, 7839), (345, 7854), (346, 7857), (351, 7893), (360, 7941), (363, 7950), (391, 8049), (400, 8106), (404, 8124), (410, 8154), (414, 8172), (433, 8211), (437, 8217), (450, 8232), (462, 8253), (464, 8259), (485, 8298),

Gene: Jabberwocky_11 Start: 6945, Stop: 8567, Start Num: 11

Candidate Starts for Jabberwocky_11:

(Start: 11 @6945 has 93 MA's), (42, 7065), (72, 7104), (91, 7143), (105, 7206), (132, 7299), (141, 7326), (153, 7365), (201, 7494), (218, 7554), (240, 7623), (244, 7644), (249, 7662), (252, 7677), (254, 7683), (266, 7746), (302, 7806), (306, 7818), (314, 7857), (317, 7869), (320, 7878), (325, 7911), (329, 7923), (335, 7953), (342, 7998), (345, 8013), (346, 8016), (351, 8052), (360, 8100), (363, 8109), (369, 8136), (410, 8313), (433, 8370), (437, 8376), (450, 8391), (462, 8412), (464, 8418), (485, 8454), (492, 8481),

Gene: JacAttac_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for JacAttac_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Jackstina_10 Start: 6231, Stop: 8135, Start Num: 24

Candidate Starts for Jackstina_10:

(Start: 24 @6231 has 377 MA's), (32, 6258), (80, 6339), (99, 6402), (116, 6468), (127, 6501), (164, 6609), (192, 6699), (215, 6777), (236, 6834), (246, 6888), (262, 6969), (267, 6990), (272, 7017), (295, 7068), (297, 7077), (301, 7086), (341, 7263), (343, 7275), (355, 7350), (360, 7374), (365, 7395), (391, 7479), (418, 7617), (427, 7635), (438, 7662), (454, 7686), (531, 7851), (538, 7860), (566, 7965), (567, 7974), (575, 8001), (598, 8091), (609, 8115), (616, 8127),

Gene: JaguarMi_10 Start: 6572, Stop: 8458, Start Num: 24

Candidate Starts for JaguarMi_10:

(Start: 24 @6572 has 377 MA's), (Start: 31 @6587 has 11 MA's), (79, 6668), (85, 6683), (99, 6734), (104, 6743), (114, 6794), (153, 6899), (170, 6959), (204, 7055), (233, 7133), (234, 7136), (236, 7145), (244, 7190), (262, 7280), (263, 7283), (288, 7361), (292, 7373), (301, 7400), (320, 7475), (334, 7535), (341, 7577), (343, 7589), (347, 7604), (360, 7688), (362, 7694), (368, 7721), (370, 7727), (373, 7736), (386, 7769), (517, 8138), (526, 8147), (527, 8150), (537, 8165), (549, 8213), (566, 8276), (567, 8285), (594, 8399), (613, 8444), (616, 8450),

Gene: JakeO_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for JakeO_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Jambalaya_12 Start: 5267, Stop: 6853, Start Num: 11

Candidate Starts for Jambalaya_12:

(Start: 11 @5267 has 93 MA's), (42, 5381), (113, 5549), (154, 5669), (158, 5687), (163, 5702), (222, 5852), (235, 5882), (246, 5942), (247, 5945), (258, 5984), (270, 6056), (306, 6116), (307, 6119), (308, 6122), (315, 6158), (317, 6167), (319, 6173), (320, 6176), (335, 6239), (342, 6284), (349, 6314), (355, 6362), (369, 6419), (375, 6440), (381, 6446), (386, 6467), (387, 6470), (392, 6497), (400, 6548), (410, 6596),

Gene: JangoPhett_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for JangoPhett_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Jayden_20 Start: 7979, Stop: 9697, Start Num: 12

Candidate Starts for Jayden_20:

(1, 7835), (Start: 12 @7979 has 34 MA's), (Start: 14 @7988 has 13 MA's), (Start: 45 @8084 has 2 MA's), (59, 8108), (97, 8213), (101, 8225), (127, 8324), (133, 8342), (150, 8396), (155, 8414), (169, 8465), (170, 8468), (180, 8507), (191, 8519), (197, 8537), (203, 8555), (204, 8564), (216, 8600), (236, 8663), (249, 8726), (256, 8753), (262, 8798), (306, 8900), (307, 8903), (320, 8960), (329, 8993), (337, 9032), (349, 9098), (350, 9107), (351, 9122), (355, 9146), (357, 9158), (371, 9212), (373, 9218), (383, 9248), (412, 9401), (428, 9437), (435, 9461), (436, 9464), (446, 9485), (460, 9506), (509, 9629), (515, 9641), (522, 9653), (531, 9680),

Gene: Jefe_20 Start: 8418, Stop: 10094, Start Num: 12

Candidate Starts for Jefe_20:

(Start: 12 @8418 has 34 MA's), (Start: 14 @8427 has 13 MA's), (55, 8541), (59, 8547), (97, 8652), (101, 8664), (129, 8769), (133, 8781), (150, 8835), (155, 8853), (170, 8907), (177, 8937), (197, 8976), (203, 8994), (204, 9003), (216, 9039), (236, 9102), (249, 9165), (256, 9192), (306, 9339), (307, 9342), (315, 9381), (320, 9399), (337, 9471), (349, 9537), (350, 9546), (363, 9618), (371, 9651), (373, 9657), (383, 9687), (386, 9702), (412, 9840), (418, 9855), (428, 9876), (429, 9879),

Gene: Jehoshaphat_24 Start: 9365, Stop: 11191, Start Num: 46

Candidate Starts for Jehoshaphat_24:

(Start: 46 @9365 has 35 MA's), (104, 9515), (150, 9650), (161, 9689), (189, 9767), (200, 9785), (249, 9935), (252, 9950), (262, 10007), (278, 10076), (299, 10124), (302, 10133), (335, 10268), (342, 10313), (343, 10319), (346, 10331), (355, 10391), (391, 10520), (392, 10526), (396, 10553), (416, 10652), (433, 10697), (534, 10892), (545, 10928), (547, 10946), (560, 10991),

Gene: Jeon_6 Start: 3322, Stop: 5196, Start Num: 20

Candidate Starts for Jeon_6:

(Start: 20 @3322 has 6 MA's), (Start: 24 @3340 has 377 MA's), (Start: 56 @3397 has 2 MA's), (108, 3535), (114, 3565), (134, 3619), (170, 3730), (212, 3859), (234, 3916), (236, 3925), (244, 3970), (249, 3988), (264, 4066), (265, 4069), (301, 4153), (309, 4177), (313, 4201), (341, 4330), (343, 4342), (349, 4366), (355, 4417), (368, 4474), (372, 4486), (411, 4660), (438, 4729), (556, 4981), (594, 5122), (598, 5134), (617, 5176),

Gene: Jillium_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Jillium_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Jiminy_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for Jiminy_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Jiraiya_8 Start: 4551, Stop: 6359, Start Num: 81

Candidate Starts for Jiraiya_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Jolie1_07 Start: 5208, Stop: 7124, Start Num: 24

Candidate Starts for Jolie1_07:

(Start: 24 @5208 has 377 MA's), (Start: 31 @5223 has 11 MA's), (Start: 81 @5310 has 4 MA's), (95, 5352), (97, 5367), (99, 5370), (103, 5379), (147, 5529), (170, 5610), (179, 5640), (198, 5688), (233, 5781), (234, 5784), (236, 5793), (244, 5838), (246, 5847), (262, 5928), (263, 5931), (267, 5949), (286, 6012), (292, 6030), (308, 6078), (320, 6132), (334, 6192), (341, 6234), (353, 6306), (355, 6321), (359, 6342), (368, 6378), (372, 6390), (386, 6426), (413, 6573), (421, 6594), (438, 6639), (471, 6705), (521, 6828), (544, 6867), (583, 7017), (584, 7020), (607, 7098),

Gene: Jollipop_20 Start: 8736, Stop: 10442, Start Num: 12

Candidate Starts for Jollipop_20:

(Start: 12 @8736 has 34 MA's), (Start: 14 @8745 has 13 MA's), (16, 8760), (55, 8859), (59, 8865), (97, 8970), (101, 8982), (127, 9081), (129, 9087), (133, 9099), (150, 9153), (155, 9171), (170, 9225), (177, 9255), (197, 9294), (203, 9312), (204, 9321), (216, 9357), (236, 9420), (249, 9483), (256, 9510), (262, 9555), (306, 9657), (307, 9660), (315, 9699), (320, 9717), (337, 9789), (349, 9855), (350, 9864), (355, 9903), (363, 9936), (371, 9969), (373, 9975), (383, 10005), (412, 10158), (418, 10173), (428, 10194), (429, 10197), (518, 10401), (522, 10410),

Gene: Judebell_24 Start: 8906, Stop: 10732, Start Num: 46

Candidate Starts for Judebell_24:

(Start: 46 @8906 has 35 MA's), (104, 9056), (150, 9191), (161, 9230), (189, 9308), (200, 9326), (249, 9476), (252, 9491), (262, 9548), (278, 9617), (299, 9665), (302, 9674), (335, 9809), (342, 9854), (343, 9860), (346, 9872), (355, 9932), (391, 10061), (392, 10067), (396, 10094), (416, 10193), (433, 10238),

(534, 10433), (545, 10469), (547, 10487), (560, 10532),

Gene: KLucky39_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for KLucky39_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Kahve_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Kahve_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: KaiHaiDragon_20 Start: 8353, Stop: 10035, Start Num: 14

Candidate Starts for KaiHaiDragon_20:

(Start: 12 @8344 has 34 MA's), (Start: 14 @8353 has 13 MA's), (16, 8368), (55, 8467), (59, 8473), (97, 8578), (101, 8590), (127, 8689), (129, 8695), (133, 8707), (150, 8761), (155, 8779), (170, 8833), (177, 8863), (197, 8902), (203, 8920), (204, 8929), (216, 8965), (236, 9028), (249, 9091), (256, 9118), (306, 9265), (307, 9268), (315, 9307), (337, 9397), (349, 9463), (350, 9472), (363, 9544), (371, 9577), (373, 9583), (383, 9613), (386, 9628), (412, 9766), (418, 9781), (428, 9802), (429, 9805),

Gene: Kailash_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Kailash_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Kaleb_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Kaleb_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Kamashten_13 Start: 7104, Stop: 8729, Start Num: 11

Candidate Starts for Kamashten_13:

(Start: 11 @7104 has 93 MA's), (72, 7263), (91, 7302), (105, 7365), (141, 7485), (153, 7524), (201, 7653), (218, 7713), (240, 7782), (244, 7803), (249, 7821), (252, 7836), (254, 7842), (266, 7905), (302, 7965), (306, 7977), (314, 8016), (317, 8028), (320, 8037), (325, 8070), (329, 8082), (335, 8112), (342, 8157), (345, 8172), (346, 8175), (351, 8211), (360, 8259), (363, 8268), (369, 8295), (410, 8472), (433, 8529), (437, 8535), (450, 8550), (462, 8571), (464, 8577), (485, 8613), (492, 8643),

Gene: Kamiyu_11 Start: 6309, Stop: 8213, Start Num: 24

Candidate Starts for Kamiyu_11:

(Start: 24 @6309 has 377 MA's), (32, 6336), (80, 6417), (99, 6480), (116, 6546), (127, 6579), (164, 6687), (192, 6777), (215, 6855), (236, 6912), (246, 6966), (262, 7047), (267, 7068), (272, 7095), (295, 7146), (297, 7155), (301, 7164), (341, 7341), (343, 7353), (355, 7428), (360, 7452), (365, 7473), (391, 7557), (418, 7695), (427, 7713), (438, 7740), (454, 7764), (531, 7929), (538, 7938), (566, 8043), (567, 8052), (575, 8079), (598, 8169), (609, 8193), (616, 8205),

Gene: Katniss_8 Start: 4553, Stop: 6361, Start Num: 81

Candidate Starts for Katniss_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: KayaCho_7 Start: 5211, Stop: 7142, Start Num: 24

Candidate Starts for KayaCho_7:

(Start: 24 @5211 has 377 MA's), (Start: 31 @5226 has 11 MA's), (Start: 81 @5313 has 4 MA's), (97, 5370), (99, 5373), (147, 5532), (175, 5634), (179, 5643), (198, 5691), (234, 5787), (244, 5841), (246, 5850), (262, 5931), (263, 5934), (267, 5952), (286, 6015), (292, 6033), (308, 6081), (334, 6195), (341, 6237), (353, 6309), (355, 6324), (359, 6345), (368, 6381), (372, 6393), (386, 6429), (413, 6576), (438, 6642), (471, 6708), (521, 6846), (542, 6876), (544, 6885), (549, 6903), (583, 7035), (584, 7038), (607, 7116),

Gene: Keitabear_13 Start: 8156, Stop: 9778, Start Num: 11

Candidate Starts for Keitabear_13:

(Start: 11 @8156 has 93 MA's), (42, 8276), (72, 8315), (83, 8336), (91, 8354), (105, 8417), (132, 8510), (141, 8537), (153, 8576), (201, 8705), (218, 8765), (240, 8834), (244, 8855), (249, 8873), (252, 8888), (254, 8894), (266, 8957), (302, 9017), (306, 9029), (314, 9068), (317, 9080), (320, 9089), (325, 9122), (329, 9134), (335, 9164), (342, 9209), (345, 9224), (346, 9227), (351, 9263), (360, 9311), (363, 9320), (369, 9347), (410, 9524), (433, 9581), (437, 9587), (450, 9602), (462, 9623), (464, 9629), (485, 9665), (492, 9692),

Gene: Keitherie_8 Start: 4437, Stop: 6356, Start Num: 24

Candidate Starts for Keitherie_8:

(Start: 24 @4437 has 377 MA's), (Start: 31 @4452 has 11 MA's), (Start: 81 @4548 has 4 MA's), (87, 4563), (116, 4674), (161, 4806), (168, 4830), (170, 4836), (172, 4848), (176, 4860), (215, 4974), (235, 5025), (260, 5151), (261, 5154), (262, 5166), (265, 5175), (267, 5187), (286, 5250), (289, 5259), (301, 5295), (307, 5313), (310, 5322), (320, 5370), (340, 5466), (341, 5472), (349, 5508), (355, 5556), (360, 5580), (407, 5775), (438, 5868), (549, 6120), (584, 6255), (594, 6297), (598, 6309),

Gene: Kelcole_20 Start: 7743, Stop: 9542, Start Num: 46

Candidate Starts for Kelcole_20:

(Start: 46 @7743 has 35 MA's), (89, 7842), (147, 8007), (161, 8058), (170, 8088), (200, 8154), (271, 8421), (285, 8466), (314, 8553), (326, 8598), (334, 8634), (342, 8682), (343, 8688), (346, 8700), (351, 8736), (355, 8760), (391, 8895), (410, 9003), (415, 9024), (448, 9105), (455, 9114), (522, 9225), (534, 9243), (545, 9279), (561, 9345), (577, 9414), (588, 9447), (611, 9522),

Gene: Kewpiedoll_13 Start: 6506, Stop: 8128, Start Num: 11

Candidate Starts for Kewpiedoll_13:

(Start: 11 @6506 has 93 MA's), (42, 6626), (72, 6665), (91, 6704), (105, 6767), (132, 6860), (141, 6887), (153, 6926), (201, 7055), (218, 7115), (240, 7184), (244, 7205), (249, 7223), (252, 7238), (254,

7244), (266, 7307), (302, 7367), (306, 7379), (314, 7418), (317, 7430), (320, 7439), (325, 7472), (329, 7484), (335, 7514), (342, 7559), (345, 7574), (346, 7577), (351, 7613), (360, 7661), (363, 7670), (369, 7697), (410, 7874), (433, 7931), (437, 7937), (450, 7952), (462, 7973), (464, 7979), (485, 8015), (492, 8042),

Gene: Kheth_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Kheth_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (200, 8205), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: Kikipoo_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Kikipoo_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Kimbrough_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Kimbrough_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: KimmyK_12 Start: 5583, Stop: 7169, Start Num: 11

Candidate Starts for KimmyK_12:

(Start: 11 @5583 has 93 MA's), (107, 5835), (113, 5865), (153, 5982), (158, 6003), (163, 6018), (233, 6192), (242, 6234), (246, 6258), (247, 6261), (258, 6300), (270, 6372), (306, 6432), (307, 6435), (308, 6438), (315, 6474), (317, 6483), (319, 6489), (320, 6492), (335, 6555), (342, 6600), (349, 6630), (355, 6678), (369, 6735), (375, 6756), (386, 6783), (387, 6786), (392, 6813), (400, 6864), (410, 6912),

Gene: KingTut_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for KingTut_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: KingVeVeVe_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for KingVeVeVe_8:

(Start: 24 @4442 has 377 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125),

(584, 6260), (594, 6302), (598, 6314),

Gene: KlimbOn_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for KlimbOn_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Kloppinator_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Kloppinator_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Knocker_14 Start: 9188, Stop: 11104, Start Num: 24

Candidate Starts for Knocker_14:

(Start: 24 @9188 has 377 MA's), (32, 9212), (72, 9269), (88, 9305), (103, 9356), (105, 9365), (112, 9398), (116, 9413), (132, 9461), (147, 9506), (156, 9542), (192, 9650), (199, 9668), (212, 9707), (236, 9773), (244, 9818), (250, 9839), (259, 9875), (262, 9908), (263, 9911), (267, 9929), (268, 9935), (286, 9983), (288, 9989), (289, 9992), (292, 10001), (297, 10019), (314, 10082), (315, 10085), (316, 10091), (336, 10169), (341, 10205), (342, 10211), (349, 10241), (355, 10289), (372, 10358), (405, 10499), (413, 10541), (438, 10604), (444, 10613), (457, 10631), (519, 10796), (538, 10817), (555, 10889), (565, 10922), (566, 10925), (567, 10934), (570, 10949), (573, 10958), (586, 11003), (587, 11006), (588, 11012), (590, 11027), (596, 11042), (598, 11051), (603, 11063), (607, 11075), (609, 11081),

Gene: Kowalski_19 Start: 8475, Stop: 10151, Start Num: 12

Candidate Starts for Kowalski_19:

(Start: 12 @8475 has 34 MA's), (Start: 14 @8484 has 13 MA's), (55, 8598), (59, 8604), (97, 8709), (101, 8721), (127, 8820), (129, 8826), (133, 8838), (150, 8892), (155, 8910), (170, 8964), (177, 8994), (197, 9033), (203, 9051), (204, 9060), (216, 9096), (236, 9159), (249, 9222), (256, 9249), (306, 9396), (307, 9399), (315, 9438), (320, 9456), (337, 9528), (349, 9594), (350, 9603), (363, 9675), (371, 9708), (373, 9714), (383, 9744), (386, 9759), (412, 9897), (418, 9912), (428, 9933), (429, 9936),

Gene: Kozie_14 Start: 7119, Stop: 8849, Start Num: 14

Candidate Starts for Kozie_14:

(Start: 12 @7110 has 34 MA's), (Start: 14 @7119 has 13 MA's), (39, 7200), (77, 7275), (97, 7341), (101, 7353), (102, 7362), (106, 7380), (127, 7452), (150, 7524), (158, 7554), (169, 7593), (170, 7596), (183, 7650), (191, 7677), (197, 7695), (201, 7704), (203, 7713), (204, 7722), (213, 7746), (224, 7779), (231, 7800), (234, 7806), (256, 7905), (262, 7950), (306, 8052), (320, 8112), (324, 8127), (337, 8184), (350, 8259), (355, 8298), (373, 8370), (375, 8379), (419, 8574), (428, 8592), (429, 8595), (450, 8643), (461, 8664), (474, 8688), (480, 8694), (487, 8712), (515, 8805),

Gene: Kronus_10 Start: 6924, Stop: 8825, Start Num: 24

Candidate Starts for Kronus_10:

(Start: 24 @6924 has 377 MA's), (32, 6951), (80, 7032), (99, 7095), (116, 7161), (127, 7194), (164, 7302), (192, 7392), (215, 7470), (236, 7527), (246, 7581), (262, 7662), (267, 7683), (272, 7710), (295, 7761), (297, 7770), (301, 7779), (341, 7956), (343, 7968), (355, 8043), (360, 8067), (365, 8088), (391, 8172), (418, 8310), (427, 8328), (438, 8355), (454, 8379), (531, 8541), (538, 8550), (566, 8655), (567, 8664), (575, 8691), (584, 8727), (598, 8781), (599, 8784), (609, 8805), (616, 8817),

Gene: Kroos_12 Start: 6436, Stop: 8064, Start Num: 11

Candidate Starts for Kroos_12:

(Start: 11 @6436 has 93 MA's), (42, 6559), (Start: 58 @6580 has 10 MA's), (91, 6637), (105, 6700), (111, 6730), (132, 6793), (141, 6820), (154, 6862), (201, 6988), (230, 7075), (239, 7114), (244, 7138), (249, 7156), (252, 7171), (254, 7177), (266, 7240), (306, 7312), (314, 7351), (329, 7417), (335, 7447), (342, 7492), (345, 7507), (346, 7510), (351, 7546), (360, 7594), (363, 7603), (369, 7630), (381, 7657), (391, 7702), (400, 7759), (404, 7777), (410, 7807), (414, 7825), (433, 7864), (437, 7870), (450, 7885), (462, 7906), (464, 7912), (485, 7948), (493, 7981),

Gene: Kwadwo_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Kwadwo_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Kwekel_13 Start: 5795, Stop: 7471, Start Num: 11

Candidate Starts for Kwekel_13:

(Start: 11 @5795 has 93 MA's), (33, 5906), (Start: 46 @5933 has 35 MA's), (62, 5963), (105, 6092), (111, 6122), (137, 6200), (166, 6299), (197, 6371), (201, 6380), (205, 6401), (218, 6440), (244, 6530), (249, 6548), (252, 6563), (254, 6569), (270, 6644), (306, 6704), (307, 6707), (320, 6764), (335, 6839), (342, 6884), (350, 6923), (355, 6962), (360, 6986), (365, 7007), (369, 7022), (373, 7034), (387, 7073), (410, 7199), (420, 7229), (475, 7334),

Gene: Kwksand96_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Kwksand96_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Kwobi_12 Start: 6275, Stop: 7903, Start Num: 11

Candidate Starts for Kwobi_12:

(Start: 11 @6275 has 93 MA's), (42, 6398), (Start: 58 @6419 has 10 MA's), (91, 6476), (105, 6539), (111, 6569), (132, 6632), (141, 6659), (201, 6827), (230, 6914), (239, 6953), (244, 6977), (249, 6995), (252, 7010), (254, 7016), (266, 7079), (306, 7151), (314, 7190), (329, 7256), (335, 7286), (342, 7331), (345, 7346), (346, 7349), (351, 7385), (360, 7433), (363, 7442), (369, 7469), (381, 7496), (391, 7541), (404, 7616), (410, 7646), (414, 7664), (433, 7703), (437, 7709), (450, 7724), (462, 7745), (464, 7751), (485, 7787), (493, 7820),

Gene: Kyva_24 Start: 9157, Stop: 10983, Start Num: 46

Candidate Starts for Kyva_24:

(Start: 46 @9157 has 35 MA's), (104, 9307), (150, 9442), (161, 9481), (189, 9559), (200, 9577), (249, 9727), (252, 9742), (262, 9799), (299, 9916), (302, 9925), (335, 10060), (342, 10105), (343, 10111), (346, 10123), (355, 10183), (391, 10312), (392, 10318), (396, 10345), (416, 10444), (433, 10489), (534, 10684), (545, 10720), (547, 10738), (560, 10783),

Gene: Labeouficaum_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Labeouficaum_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Lars_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Lars_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: LasagnaCat_8 Start: 4549, Stop: 6357, Start Num: 81

Candidate Starts for LasagnaCat_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Lasso_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Lasso_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Laurie_12 Start: 7729, Stop: 9618, Start Num: 24

Candidate Starts for Laurie_12:

(Start: 24 @7729 has 377 MA's), (44, 7777), (Start: 56 @7801 has 2 MA's), (72, 7819), (Start: 86 @7852 has 2 MA's), (114, 7960), (161, 8095), (164, 8107), (174, 8143), (195, 8194), (234, 8305), (236, 8314), (244, 8359), (262, 8449), (263, 8452), (265, 8458), (267, 8470), (270, 8485), (272, 8497), (305, 8581), (312, 8614), (316, 8632), (329, 8677), (341, 8746), (343, 8758), (355, 8833), (360, 8857), (362, 8863), (368, 8890), (372, 8902), (374, 8908), (386, 8938), (387, 8941), (392, 8968), (403, 9034), (405, 9043), (427, 9118), (443, 9154), (471, 9199), (530, 9337), (531, 9340), (539, 9352), (562, 9439), (566, 9448), (567, 9457), (570, 9472), (580, 9502), (584, 9520), (588, 9535), (594, 9562), (598, 9574), (616, 9610),

Gene: LeeLot_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for LeeLot_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Lego3393_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Lego3393_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Legolas_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Legolas_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: LeiMonet_8 Start: 4548, Stop: 6356, Start Num: 81

Candidate Starts for LeiMonet_8:

(Start: 24 @4437 has 377 MA's), (Start: 81 @4548 has 4 MA's), (87, 4563), (116, 4674), (161, 4806), (168, 4830), (170, 4836), (172, 4848), (176, 4860), (235, 5025), (260, 5151), (261, 5154), (262, 5166), (265, 5175), (267, 5187), (286, 5250), (289, 5259), (301, 5295), (307, 5313), (310, 5322), (320, 5370), (340, 5466), (341, 5472), (349, 5508), (355, 5556), (360, 5580), (407, 5775), (438, 5868), (549, 6120), (584, 6255), (594, 6297), (598, 6309),

Gene: LemonSlice_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for LemonSlice_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Lennon_13 Start: 7365, Stop: 8987, Start Num: 11

Candidate Starts for Lennon_13:

(Start: 11 @7365 has 93 MA's), (72, 7524), (91, 7563), (105, 7626), (141, 7746), (153, 7785), (197, 7905), (201, 7914), (218, 7974), (240, 8043), (244, 8064), (249, 8082), (252, 8097), (254, 8103), (266, 8166), (302, 8226), (306, 8238), (314, 8277), (317, 8289), (320, 8298), (325, 8331), (329, 8343), (335, 8373), (342, 8418), (345, 8433), (346, 8436), (351, 8472), (360, 8520), (363, 8529), (369, 8556), (410, 8733), (433, 8790), (437, 8796), (450, 8811), (462, 8832), (464, 8838), (485, 8874), (492, 8901),

Gene: Leonard_13 Start: 7073, Stop: 8707, Start Num: 11

Candidate Starts for Leonard_13:

(Start: 11 @7073 has 93 MA's), (13, 7100), (15, 7109), (Start: 22 @7145 has 2 MA's), (34, 7187), (Start: 46 @7211 has 35 MA's), (83, 7268), (94, 7301), (105, 7346), (111, 7376), (113, 7385), (121, 7409), (126, 7424), (153, 7505), (169, 7562), (196, 7622), (201, 7634), (204, 7652), (218, 7694), (244, 7784), (249, 7802), (252, 7817), (254, 7823), (264, 7877), (270, 7898), (306, 7958), (307, 7961), (320, 8018), (323, 8042), (335, 8093), (342, 8138), (346, 8156), (350, 8177), (360, 8240), (365, 8261), (369, 8276), (387, 8327), (406, 8432), (410, 8453), (420, 8483), (430, 8501), (464, 8567), (475, 8588), (493, 8642),

Gene: Lephleur_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Lephleur_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (200, 8205),

(204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: LestyG_11 Start: 6318, Stop: 8222, Start Num: 24

Candidate Starts for LestyG_11:

(Start: 24 @6318 has 377 MA's), (32, 6345), (80, 6426), (99, 6489), (116, 6555), (127, 6588), (164, 6696), (192, 6786), (215, 6864), (236, 6921), (246, 6975), (262, 7056), (267, 7077), (272, 7104), (295, 7155), (297, 7164), (301, 7173), (341, 7350), (343, 7362), (355, 7437), (360, 7461), (365, 7482), (391, 7566), (418, 7704), (427, 7722), (438, 7749), (454, 7773), (531, 7938), (538, 7947), (566, 8052), (567, 8061), (575, 8088), (584, 8124), (598, 8178), (599, 8181), (609, 8202), (616, 8214),

Gene: Ligma_8 Start: 5351, Stop: 7141, Start Num: 45

Candidate Starts for Ligma_8:

(Start: 24 @5303 has 377 MA's), (Start: 45 @5351 has 2 MA's), (Start: 86 @5417 has 2 MA's), (97, 5459), (138, 5591), (164, 5654), (170, 5672), (234, 5825), (236, 5834), (244, 5879), (252, 5912), (262, 5969), (263, 5972), (267, 5990), (273, 6023), (284, 6050), (316, 6161), (320, 6173), (322, 6188), (341, 6275), (343, 6287), (355, 6362), (360, 6386), (369, 6422), (371, 6428), (372, 6431), (373, 6434), (386, 6467), (537, 6866), (538, 6869), (539, 6872), (556, 6941), (559, 6947), (566, 6968), (575, 7004), (587, 7049), (590, 7070), (598, 7094), (603, 7106), (609, 7118), (611, 7121),

Gene: LilHam_10 Start: 5591, Stop: 7219, Start Num: 11

Candidate Starts for LilHam_10:

(Start: 11 @5591 has 93 MA's), (42, 5714), (Start: 58 @5735 has 10 MA's), (91, 5792), (105, 5855), (111, 5885), (132, 5948), (141, 5975), (201, 6143), (230, 6230), (239, 6269), (244, 6293), (249, 6311), (252, 6326), (254, 6332), (266, 6395), (306, 6467), (314, 6506), (329, 6572), (335, 6602), (342, 6647), (345, 6662), (346, 6665), (351, 6701), (360, 6749), (363, 6758), (369, 6785), (381, 6812), (391, 6857), (404, 6932), (410, 6962), (414, 6980), (433, 7019), (437, 7025), (450, 7040), (462, 7061), (464, 7067), (485, 7103), (493, 7136),

Gene: LilMcDreamy_10 Start: 7470, Stop: 9329, Start Num: 24

Candidate Starts for LilMcDreamy_10:

(Start: 24 @7470 has 377 MA's), (97, 7614), (118, 7689), (127, 7713), (170, 7839), (216, 7950), (226, 7977), (236, 8004), (244, 8049), (252, 8082), (267, 8160), (286, 8214), (288, 8220), (320, 8334), (327, 8361), (341, 8436), (343, 8448), (355, 8523), (360, 8547), (368, 8580), (386, 8628), (418, 8790), (427, 8808), (432, 8826), (456, 8859), (528, 9033), (537, 9045), (547, 9087), (565, 9153), (573, 9189), (594, 9270),

Gene: Lilbeanie_13 Start: 5278, Stop: 6954, Start Num: 8

Candidate Starts for Lilbeanie_13:

(Start: 8 @5278 has 1 MA's), (Start: 24 @5377 has 377 MA's), (48, 5437), (82, 5512), (83, 5515), (105, 5593), (153, 5752), (159, 5776), (170, 5812), (218, 5935), (222, 5944), (258, 6076), (270, 6148), (306, 6208), (307, 6211), (310, 6220), (320, 6268), (325, 6292), (326, 6295), (335, 6334), (349, 6409), (355, 6457), (368, 6514), (374, 6532), (387, 6568), (399, 6643), (403, 6661), (489, 6853),

Gene: LittleFortune_21 Start: 8692, Stop: 10398, Start Num: 12

Candidate Starts for LittleFortune_21:

(Start: 12 @8692 has 34 MA's), (Start: 14 @8701 has 13 MA's), (16, 8716), (55, 8815), (59, 8821), (97, 8926), (101, 8938), (127, 9037), (129, 9043), (150, 9109), (155, 9127), (170, 9181), (177, 9211), (197, 9250), (203, 9268), (204, 9277), (216, 9313), (236, 9376), (249, 9439), (256, 9466), (262, 9511),

(306, 9613), (307, 9616), (315, 9655), (320, 9673), (337, 9745), (349, 9811), (350, 9820), (355, 9859), (363, 9892), (371, 9925), (373, 9931), (383, 9961), (412, 10114), (418, 10129), (428, 10150), (429, 10153), (518, 10357), (522, 10366),

Gene: LittleMunchkin_9 Start: 6586, Stop: 8433, Start Num: 24

Candidate Starts for LittleMunchkin_9:

(Start: 24 @6586 has 377 MA's), (Start: 86 @6700 has 2 MA's), (97, 6742), (138, 6874), (162, 6928), (164, 6937), (236, 7120), (252, 7198), (262, 7255), (263, 7258), (267, 7276), (275, 7321), (316, 7459), (320, 7471), (322, 7486), (333, 7522), (341, 7573), (355, 7660), (369, 7720), (427, 7942), (530, 8149), (531, 8152), (537, 8158), (538, 8161), (556, 8233), (559, 8239), (566, 8260), (570, 8284), (587, 8341), (590, 8362), (593, 8371), (609, 8410), (611, 8413),

Gene: LizLemon_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for LizLemon_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Llemily_22 Start: 8141, Stop: 9967, Start Num: 46

Candidate Starts for Llemily_22:

(Start: 46 @8141 has 35 MA's), (104, 8291), (150, 8426), (161, 8465), (189, 8543), (200, 8561), (249, 8711), (252, 8726), (262, 8783), (278, 8852), (299, 8900), (302, 8909), (335, 9044), (342, 9089), (343, 9095), (346, 9107), (355, 9167), (391, 9296), (392, 9302), (396, 9329), (416, 9428), (433, 9473), (534, 9668), (545, 9704), (547, 9722), (560, 9767),

Gene: Lolalove_9 Start: 6745, Stop: 8634, Start Num: 24

Candidate Starts for Lolalove_9:

(Start: 24 @6745 has 377 MA's), (Start: 31 @6760 has 11 MA's), (79, 6841), (85, 6856), (99, 6907), (104, 6916), (114, 6967), (153, 7072), (170, 7132), (204, 7228), (233, 7306), (234, 7309), (236, 7318), (244, 7363), (262, 7453), (263, 7456), (288, 7534), (292, 7546), (320, 7648), (334, 7708), (341, 7750), (343, 7762), (355, 7837), (360, 7861), (362, 7867), (368, 7894), (370, 7900), (373, 7909), (386, 7942), (392, 7972), (517, 8314), (526, 8323), (527, 8326), (549, 8389), (565, 8449), (566, 8452), (567, 8461), (594, 8575), (603, 8599), (616, 8626),

Gene: Lonelysoil_21 Start: 8386, Stop: 10212, Start Num: 46

Candidate Starts for Lonelysoil_21:

(Start: 46 @8386 has 35 MA's), (104, 8536), (150, 8671), (161, 8710), (189, 8788), (200, 8806), (249, 8956), (252, 8971), (262, 9028), (278, 9097), (299, 9145), (302, 9154), (335, 9289), (342, 9334), (343, 9340), (346, 9352), (355, 9412), (391, 9541), (392, 9547), (396, 9574), (416, 9673), (433, 9718), (534, 9913), (545, 9949), (547, 9967), (560, 10012),

Gene: Longacauda_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for Longacauda_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Lopsy_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Lopsy_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: LostAndPhound_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for LostAndPhound_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Love_14 Start: 7094, Stop: 8716, Start Num: 11

Candidate Starts for Love_14:

(Start: 11 @7094 has 93 MA's), (42, 7214), (72, 7253), (91, 7292), (105, 7355), (132, 7448), (141, 7475), (153, 7514), (197, 7634), (201, 7643), (218, 7703), (240, 7772), (244, 7793), (249, 7811), (252, 7826), (254, 7832), (266, 7895), (302, 7955), (306, 7967), (314, 8006), (317, 8018), (320, 8027), (329, 8072), (335, 8102), (342, 8147), (345, 8162), (346, 8165), (351, 8201), (360, 8249), (363, 8258), (369, 8285), (410, 8462), (433, 8519), (437, 8525), (450, 8540), (462, 8561), (464, 8567), (485, 8603), (492, 8630),

Gene: LuckyMarjie_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for LuckyMarjie_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Lulumae_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Lulumae_8:

(Start: 24 @4442 has 377 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Lulwa_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Lulwa_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Lumine_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Lumine_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: MRabcd_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for MRabcd_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Mag7_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Mag7_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Magic8_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Magic8_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Magpie_9 Start: 6903, Stop: 8792, Start Num: 24

Candidate Starts for Magpie_9:

(Start: 24 @6903 has 377 MA's), (Start: 31 @6918 has 11 MA's), (79, 6999), (85, 7014), (99, 7065), (104, 7074), (114, 7125), (153, 7230), (170, 7290), (204, 7386), (233, 7464), (234, 7467), (236, 7476), (244, 7521), (262, 7611), (263, 7614), (288, 7692), (292, 7704), (320, 7806), (334, 7866), (341, 7908), (343, 7920), (360, 8019), (362, 8025), (368, 8052), (370, 8058), (373, 8067), (386, 8100), (392, 8130), (517, 8472), (526, 8481), (544, 8523), (549, 8547), (565, 8607), (566, 8610), (567, 8619), (594, 8733), (613, 8778), (616, 8784),

Gene: Maih_10 Start: 8086, Stop: 9888, Start Num: 58

Candidate Starts for Maih_10:

(Start: 58 @8086 has 10 MA's), (105, 8212), (110, 8233), (112, 8245), (130, 8293), (150, 8332), (162, 8374), (170, 8401), (200, 8470), (204, 8491), (208, 8512), (233, 8590), (235, 8596), (236, 8602), (258, 8698), (265, 8746), (305, 8824), (315, 8869), (317, 8878), (326, 8911), (334, 8947), (356, 9079), (438, 9376), (467, 9412), (497, 9502), (508, 9535), (514, 9547), (541, 9598), (552, 9649), (559, 9667), (570, 9715), (572, 9721), (592, 9802), (602, 9832), (612, 9859), (618, 9877),

Gene: MakoManhole_10 Start: 6780, Stop: 8627, Start Num: 24

Candidate Starts for MakoManhole_10:

(Start: 24 @6780 has 377 MA's), (Start: 86 @6894 has 2 MA's), (97, 6936), (114, 6999), (136, 7065), (174, 7170), (227, 7293), (230, 7299), (234, 7308), (236, 7317), (263, 7455), (267, 7473), (307, 7614), (312, 7641), (316, 7659), (320, 7671), (333, 7722), (341, 7773), (355, 7860), (372, 7929), (427, 8142), (466, 8202), (470, 8211), (537, 8352), (538, 8355), (556, 8427), (559, 8433), (566, 8454), (581, 8511),

(590, 8556), (594, 8568), (598, 8580), (603, 8592), (609, 8604), (611, 8607),

Gene: Mana_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Mana_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Manad_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Manad_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Mao1_6 Start: 4105, Stop: 6054, Start Num: 24

Candidate Starts for Mao1_6:

(Start: 20 @4087 has 6 MA's), (Start: 24 @4105 has 377 MA's), (63, 4183), (80, 4231), (114, 4354), (150, 4450), (153, 4459), (167, 4510), (201, 4609), (212, 4654), (234, 4714), (236, 4723), (244, 4768), (250, 4789), (261, 4846), (264, 4864), (287, 4945), (293, 4966), (298, 4978), (301, 4987), (305, 4999), (316, 5050), (317, 5053), (326, 5086), (341, 5164), (343, 5176), (349, 5200), (359, 5272), (360, 5275), (386, 5356), (404, 5455), (409, 5485), (427, 5536), (530, 5770), (553, 5836), (555, 5845), (566, 5881), (570, 5905), (590, 5983), (594, 5995), (616, 6046), (617, 6049),

Gene: Marcie_26 Start: 8457, Stop: 10256, Start Num: 46

Candidate Starts for Marcie_26:

(Start: 46 @8457 has 35 MA's), (118, 8670), (161, 8772), (170, 8802), (200, 8868), (271, 9135), (274, 9150), (279, 9168), (285, 9180), (314, 9267), (316, 9276), (326, 9312), (334, 9348), (342, 9396), (343, 9402), (346, 9414), (351, 9450), (355, 9474), (391, 9609), (410, 9717), (448, 9819), (455, 9828), (502, 9927), (522, 9939), (534, 9957), (545, 9993), (561, 10059), (577, 10128), (588, 10161), (608, 10230), (611, 10236),

Gene: Mareelih_76 Start: 30803, Stop: 32533, Start Num: 24

Candidate Starts for Mareelih_76:

(Start: 24 @30803 has 377 MA's), (64, 30881), (83, 30935), (90, 30947), (112, 31034), (116, 31049), (146, 31139), (166, 31214), (191, 31304), (241, 31499), (244, 31517), (245, 31520), (249, 31535), (252, 31550), (257, 31565), (260, 31592), (268, 31631), (328, 31802), (335, 31835), (343, 31886), (347, 31901), (349, 31910), (361, 31985), (362, 31988), (367, 32012), (418, 32237), (426, 32252), (435, 32282), (459, 32330), (464, 32345), (468, 32351),

Gene: Margaery_12 Start: 5952, Stop: 7694, Start Num: 14

Candidate Starts for Margaery_12:

(Start: 12 @5943 has 34 MA's), (Start: 14 @5952 has 13 MA's), (33, 6021), (39, 6033), (71, 6090), (77, 6105), (97, 6168), (101, 6180), (102, 6189), (106, 6207), (127, 6279), (158, 6381), (170, 6423), (183, 6474), (191, 6501), (193, 6507), (197, 6519), (201, 6528), (212, 6567), (213, 6570), (224, 6606), (231, 6627), (234, 6633), (236, 6642), (249, 6705), (256, 6732), (262, 6777), (306, 6879), (317, 6930), (329, 6972), (337, 7011), (349, 7077), (350, 7086), (353, 7110), (354, 7122), (355, 7125), (373, 7197), (386, 7242), (389, 7257), (428, 7419), (450, 7470), (461, 7491), (484, 7536), (497, 7590),

Gene: Mariokart_8 Start: 5358, Stop: 7151, Start Num: 45

Candidate Starts for Mariokart_8:

(Start: 24 @5310 has 377 MA's), (Start: 45 @5358 has 2 MA's), (Start: 86 @5424 has 2 MA's), (97, 5466), (116, 5535), (164, 5661), (170, 5679), (206, 5760), (234, 5832), (244, 5886), (252, 5919), (262, 5976), (263, 5979), (267, 5997), (275, 6042), (284, 6063), (316, 6174), (320, 6186), (322, 6201), (333, 6237), (341, 6288), (343, 6300), (355, 6375), (360, 6399), (369, 6435), (372, 6444), (386, 6480), (390, 6501), (530, 6867), (537, 6876), (538, 6879), (556, 6951), (559, 6957), (566, 6978), (567, 6987), (587, 7059), (594, 7092), (598, 7104), (603, 7116), (609, 7128), (611, 7131),

Gene: Marley1013_11 Start: 7104, Stop: 9008, Start Num: 24

Candidate Starts for Marley1013_11:

(Start: 24 @7104 has 377 MA's), (32, 7131), (80, 7212), (99, 7275), (116, 7341), (127, 7374), (164, 7482), (192, 7572), (215, 7650), (236, 7707), (246, 7761), (262, 7842), (267, 7863), (272, 7890), (295, 7941), (297, 7950), (301, 7959), (341, 8136), (343, 8148), (355, 8223), (360, 8247), (365, 8268), (391, 8352), (418, 8490), (427, 8508), (438, 8535), (454, 8559), (531, 8724), (538, 8733), (566, 8838), (567, 8847), (575, 8874), (598, 8964), (599, 8967), (609, 8988), (616, 9000),

Gene: Maru_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Maru_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Mashley_20 Start: 8624, Stop: 10450, Start Num: 46

Candidate Starts for Mashley_20:

(Start: 46 @8624 has 35 MA's), (104, 8774), (150, 8909), (161, 8948), (189, 9026), (200, 9044), (249, 9194), (252, 9209), (262, 9266), (299, 9383), (302, 9392), (335, 9527), (342, 9572), (343, 9578), (346, 9590), (355, 9650), (391, 9779), (392, 9785), (396, 9812), (416, 9911), (433, 9956), (534, 10151), (545, 10187), (547, 10205), (560, 10250),

Gene: Mask_7 Start: 4088, Stop: 6055, Start Num: 20

Candidate Starts for Mask_7:

(Start: 20 @4088 has 6 MA's), (Start: 24 @4106 has 377 MA's), (63, 4184), (80, 4232), (114, 4355), (150, 4451), (153, 4460), (167, 4511), (201, 4610), (212, 4655), (234, 4715), (236, 4724), (244, 4769), (250, 4790), (261, 4847), (264, 4865), (287, 4946), (293, 4967), (298, 4979), (301, 4988), (305, 5000), (316, 5051), (317, 5054), (326, 5087), (341, 5165), (343, 5177), (349, 5201), (359, 5273), (360, 5276), (386, 5357), (404, 5456), (409, 5486), (427, 5537), (530, 5771), (553, 5837), (555, 5846), (566, 5882), (570, 5906), (590, 5984), (594, 5996), (616, 6047), (617, 6050),

Gene: Maskar_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Maskar_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: MasterPo_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for MasterPo_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (200, 8205), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469),

(270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: Matalotodo_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Matalotodo_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Matzah_13 Start: 6000, Stop: 7757, Start Num: 14

Candidate Starts for Matzah_13:

(Start: 12 @5991 has 34 MA's), (Start: 14 @6000 has 13 MA's), (39, 6084), (59, 6120), (71, 6153), (97, 6231), (101, 6243), (102, 6252), (105, 6264), (106, 6270), (127, 6342), (129, 6348), (158, 6444), (170, 6486), (176, 6516), (185, 6546), (197, 6582), (201, 6591), (203, 6600), (204, 6609), (231, 6690), (234, 6696), (236, 6705), (249, 6768), (256, 6795), (262, 6840), (290, 6891), (306, 6942), (320, 7002), (324, 7017), (337, 7074), (350, 7149), (353, 7173), (372, 7257), (373, 7260), (386, 7305), (392, 7335), (399, 7383), (419, 7464), (428, 7482), (429, 7485), (461, 7554), (474, 7578), (521, 7713), (528, 7737),

Gene: McKinley_13 Start: 7453, Stop: 9075, Start Num: 11

Candidate Starts for McKinley_13:

(Start: 11 @7453 has 93 MA's), (42, 7573), (72, 7612), (91, 7651), (105, 7714), (132, 7807), (141, 7834), (153, 7873), (201, 8002), (218, 8062), (240, 8131), (244, 8152), (249, 8170), (252, 8185), (254, 8191), (266, 8254), (302, 8314), (306, 8326), (314, 8365), (317, 8377), (320, 8386), (329, 8431), (335, 8461), (342, 8506), (345, 8521), (346, 8524), (351, 8560), (360, 8608), (363, 8617), (369, 8644), (403, 8788), (410, 8821), (433, 8878), (437, 8884), (450, 8899), (462, 8920), (464, 8926), (485, 8962), (492, 8989),

Gene: Mcshane_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Mcshane_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Mecca_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Mecca_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Megabear_6 Start: 3328, Stop: 5202, Start Num: 20

Candidate Starts for Megabear_6:

(Start: 20 @3328 has 6 MA's), (Start: 24 @3346 has 377 MA's), (Start: 56 @3403 has 2 MA's), (108, 3541), (114, 3571), (134, 3625), (170, 3736), (212, 3865), (234, 3922), (236, 3931), (244, 3976), (249, 3994), (264, 4072), (265, 4075), (301, 4159), (309, 4183), (313, 4207), (341, 4336), (343, 4348), (349,

4372), (355, 4423), (368, 4480), (372, 4492), (411, 4666), (438, 4735), (556, 4987), (594, 5128), (598, 5140), (617, 5182),

Gene: Megamind20_9 Start: 4457, Stop: 6361, Start Num: 31

Candidate Starts for Megamind20_9:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Megan_13 Start: 8673, Stop: 10412, Start Num: 12

Candidate Starts for Megan_13:

(Start: 11 @8646 has 93 MA's), (Start: 12 @8673 has 34 MA's), (Start: 14 @8682 has 13 MA's), (21, 8712), (55, 8790), (69, 8826), (97, 8910), (101, 8922), (110, 8964), (114, 8985), (133, 9039), (150, 9093), (151, 9096), (169, 9162), (197, 9225), (203, 9243), (204, 9252), (236, 9345), (249, 9408), (256, 9435), (262, 9480), (270, 9513), (275, 9522), (276, 9525), (306, 9582), (307, 9585), (315, 9624), (317, 9633), (320, 9642), (329, 9675), (337, 9714), (349, 9780), (350, 9789), (353, 9813), (355, 9828), (373, 9900), (389, 9975), (392, 9990), (415, 10110), (417, 10116), (428, 10140), (429, 10143), (450, 10191), (480, 10242), (484, 10254), (493, 10290), (503, 10332), (529, 10395),

Gene: Megatron_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Megatron_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: MelBins_13 Start: 6850, Stop: 8484, Start Num: 11

Candidate Starts for MelBins_13:

(Start: 11 @6850 has 93 MA's), (13, 6877), (15, 6886), (Start: 22 @6922 has 2 MA's), (Start: 46 @6988 has 35 MA's), (83, 7045), (94, 7078), (105, 7123), (111, 7153), (113, 7162), (121, 7186), (126, 7201), (153, 7282), (169, 7339), (196, 7399), (201, 7411), (204, 7429), (218, 7471), (244, 7561), (249, 7579), (252, 7594), (254, 7600), (264, 7654), (270, 7675), (306, 7735), (307, 7738), (320, 7795), (323, 7819), (335, 7870), (342, 7915), (346, 7933), (350, 7954), (360, 8017), (365, 8038), (369, 8053), (387, 8104), (406, 8209), (410, 8230), (420, 8260), (430, 8278), (432, 8284), (452, 8320), (464, 8344), (468, 8350), (475, 8365), (493, 8419),

Gene: Melc17_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Melc17_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: MellowYellow_18 Start: 7989, Stop: 9875, Start Num: 43

Candidate Starts for MellowYellow_18:

(Start: 43 @7989 has 7 MA's), (47, 7998), (68, 8037), (108, 8160), (111, 8178), (131, 8229), (147, 8253), (168, 8328), (246, 8571), (306, 8763), (343, 8937), (346, 8949), (377, 9099), (391, 9150), (396, 9183), (397, 9189), (403, 9222), (410, 9258), (417, 9285), (432, 9324), (442, 9345), (447, 9357), (547, 9621), (579, 9738), (606, 9834),

Gene: MelsMeow_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for MelsMeow_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: MementoMori_13 Start: 5993, Stop: 7759, Start Num: 12

Candidate Starts for MementoMori_13:

(Start: 12 @5993 has 34 MA's), (Start: 14 @6002 has 13 MA's), (39, 6083), (59, 6119), (71, 6152), (97, 6230), (101, 6242), (102, 6251), (105, 6263), (106, 6269), (127, 6341), (129, 6347), (158, 6443), (170, 6485), (176, 6515), (183, 6536), (185, 6545), (197, 6581), (201, 6590), (203, 6599), (204, 6608), (231, 6689), (234, 6695), (236, 6704), (249, 6767), (256, 6794), (262, 6839), (290, 6890), (306, 6941), (320, 7001), (324, 7016), (337, 7073), (350, 7148), (353, 7172), (372, 7256), (373, 7259), (386, 7304), (392, 7334), (399, 7382), (419, 7463), (428, 7481), (429, 7484), (450, 7532), (461, 7553), (474, 7577), (480, 7583), (521, 7715), (528, 7739),

Gene: Mesh1_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Mesh1_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Metamorphoo_20 Start: 8066, Stop: 9760, Start Num: 12

Candidate Starts for Metamorphoo_20:

(Start: 12 @8066 has 34 MA's), (Start: 14 @8075 has 13 MA's), (59, 8198), (97, 8303), (101, 8315), (127, 8414), (150, 8486), (155, 8504), (197, 8627), (202, 8639), (203, 8645), (204, 8654), (216, 8690), (236, 8753), (249, 8816), (256, 8843), (262, 8888), (265, 8897), (290, 8939), (306, 8990), (307, 8993), (315, 9032), (317, 9041), (320, 9050), (329, 9083), (337, 9122), (349, 9188), (350, 9197), (351, 9212), (355, 9236), (371, 9302), (373, 9308), (383, 9335), (412, 9488), (429, 9527), (435, 9548), (460, 9593), (522, 9740),

Gene: MichaelPhcott_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for MichaelPhcott_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Mikota_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Mikota_8:

(Start: 24 @4439 has 377 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Mimi_83 Start: 33042, Stop: 34721, Start Num: 27

Candidate Starts for Mimi_83:

(Start: 25 @33036 has 1 MA's), (27, 33042), (70, 33147), (110, 33270), (112, 33282), (155, 33405), (236, 33657), (244, 33702), (288, 33858), (291, 33867), (294, 33879), (306, 33915), (311, 33936), (349, 34113), (431, 34467), (462, 34533), (464, 34539), (511, 34665), (516, 34674), (530, 34710),

Gene: MiniBoss_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for MiniBoss_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Mischief19_11 Start: 9640, Stop: 11433, Start Num: 58

Candidate Starts for Mischief19_11:

(Start: 58 @9640 has 10 MA's), (93, 9733), (110, 9796), (112, 9808), (116, 9823), (150, 9895), (160, 9931), (201, 10036), (206, 10060), (235, 10159), (244, 10210), (253, 10246), (265, 10309), (310, 10402), (315, 10432), (317, 10441), (321, 10462), (343, 10564), (346, 10576), (387, 10747), (438, 10948), (514, 11107), (541, 11158), (552, 11209), (554, 11218), (572, 11284), (602, 11395), (609, 11416),

Gene: MitKao_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for MitKao_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Mithril_9 Start: 6748, Stop: 8637, Start Num: 24

Candidate Starts for Mithril_9:

(Start: 24 @6748 has 377 MA's), (Start: 31 @6763 has 11 MA's), (79, 6844), (85, 6859), (99, 6910), (104, 6919), (114, 6970), (153, 7075), (170, 7135), (204, 7231), (233, 7309), (234, 7312), (236, 7321), (244, 7366), (262, 7456), (263, 7459), (288, 7537), (292, 7549), (320, 7651), (334, 7711), (341, 7753), (343, 7765), (360, 7864), (362, 7870), (368, 7897), (370, 7903), (373, 7912), (386, 7945), (517, 8317), (526, 8326), (527, 8329), (549, 8392), (565, 8452), (566, 8455), (567, 8464), (594, 8578), (603, 8602), (616, 8629),

Gene: MmasiCarm_11 Start: 6314, Stop: 8218, Start Num: 24

Candidate Starts for MmasiCarm_11:

(Start: 24 @6314 has 377 MA's), (32, 6341), (80, 6422), (99, 6485), (116, 6551), (127, 6584), (164, 6692), (192, 6782), (215, 6860), (236, 6917), (246, 6971), (262, 7052), (267, 7073), (272, 7100), (295, 7151), (297, 7160), (301, 7169), (341, 7346), (343, 7358), (355, 7433), (360, 7457), (365, 7478), (391, 7562), (418, 7700), (427, 7718), (438, 7745), (454, 7769), (531, 7934), (538, 7943), (566, 8048), (567, 8057), (575, 8084), (598, 8174), (609, 8198), (616, 8210),

Gene: MoontowerMania_11 Start: 6493, Stop: 8115, Start Num: 11

Candidate Starts for MoontowerMania_11:

(Start: 11 @6493 has 93 MA's), (42, 6613), (72, 6652), (91, 6691), (105, 6754), (132, 6847), (141, 6874), (153, 6913), (197, 7033), (201, 7042), (218, 7102), (240, 7171), (244, 7192), (249, 7210), (252, 7225), (254, 7231), (266, 7294), (302, 7354), (306, 7366), (314, 7405), (317, 7417), (320, 7426), (325, 7459), (329, 7471), (335, 7501), (342, 7546), (345, 7561), (346, 7564), (351, 7600), (360, 7648), (363, 7657), (369, 7684), (410, 7861), (433, 7918), (437, 7924), (450, 7939), (462, 7960), (464, 7966), (485,

8002), (492, 8029),

Gene: Morgushi_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Morgushi_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Mortcellus_10 Start: 6952, Stop: 8856, Start Num: 24

Candidate Starts for Mortcellus_10:

(Start: 24 @6952 has 377 MA's), (32, 6979), (80, 7060), (99, 7123), (116, 7189), (127, 7222), (164, 7330), (192, 7420), (215, 7498), (236, 7555), (246, 7609), (262, 7690), (267, 7711), (272, 7738), (295, 7789), (297, 7798), (301, 7807), (341, 7984), (343, 7996), (355, 8071), (360, 8095), (365, 8116), (391, 8200), (418, 8338), (427, 8356), (438, 8383), (454, 8407), (531, 8572), (538, 8581), (566, 8686), (567, 8695), (575, 8722), (584, 8758), (598, 8812), (599, 8815), (609, 8836), (616, 8848),

Gene: Morty_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Morty_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Morty007_11 Start: 7104, Stop: 9008, Start Num: 24

Candidate Starts for Morty007_11:

(Start: 24 @7104 has 377 MA's), (32, 7131), (80, 7212), (99, 7275), (116, 7341), (127, 7374), (164, 7482), (192, 7572), (215, 7650), (236, 7707), (246, 7761), (262, 7842), (267, 7863), (272, 7890), (295, 7941), (297, 7950), (301, 7959), (341, 8136), (343, 8148), (355, 8223), (360, 8247), (365, 8268), (391, 8352), (418, 8490), (427, 8508), (438, 8535), (454, 8559), (531, 8724), (538, 8733), (566, 8838), (567, 8847), (575, 8874), (598, 8964), (599, 8967), (609, 8988), (616, 9000),

Gene: Mosaic_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Mosaic_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: MossRose_10 Start: 6894, Stop: 8627, Start Num: 86

Candidate Starts for MossRose_10:

(Start: 24 @6780 has 377 MA's), (Start: 86 @6894 has 2 MA's), (97, 6936), (114, 6999), (136, 7065), (174, 7170), (186, 7194), (227, 7293), (230, 7299), (234, 7308), (236, 7317), (263, 7455), (267, 7473), (307, 7614), (312, 7641), (316, 7659), (320, 7671), (333, 7722), (341, 7773), (355, 7860), (360, 7884), (427, 8142), (466, 8202), (470, 8211), (537, 8352), (538, 8355), (556, 8427), (559, 8433), (566, 8454), (581, 8511), (583, 8523), (590, 8556), (594, 8568), (598, 8580), (603, 8592), (609, 8604), (611, 8607),

Gene: MrPhizzler_8 Start: 4548, Stop: 6356, Start Num: 81

Candidate Starts for MrPhizzler_8:

(Start: 24 @4437 has 377 MA's), (Start: 81 @4548 has 4 MA's), (87, 4563), (116, 4674), (161, 4806), (168, 4830), (170, 4836), (172, 4848), (176, 4860), (235, 5025), (260, 5151), (261, 5154), (262, 5166), (265, 5175), (267, 5187), (286, 5250), (289, 5259), (301, 5295), (307, 5313), (310, 5322), (320, 5370), (340, 5466), (341, 5472), (349, 5508), (355, 5556), (360, 5580), (407, 5775), (438, 5868), (549, 6120), (584, 6255), (594, 6297), (598, 6309),

Gene: Mudslide_9 Start: 6996, Stop: 8885, Start Num: 24

Candidate Starts for Mudslide_9:

(Start: 24 @6996 has 377 MA's), (Start: 31 @7011 has 11 MA's), (79, 7092), (85, 7107), (99, 7158), (104, 7167), (114, 7218), (153, 7323), (170, 7383), (204, 7479), (233, 7557), (234, 7560), (236, 7569), (244, 7614), (262, 7704), (263, 7707), (288, 7785), (292, 7797), (320, 7899), (334, 7959), (341, 8001), (343, 8013), (360, 8112), (362, 8118), (368, 8145), (370, 8151), (373, 8160), (386, 8193), (406, 8301), (517, 8565), (526, 8574), (527, 8577), (549, 8640), (565, 8700), (566, 8703), (567, 8712), (594, 8826), (613, 8871), (616, 8877),

Gene: Mulan_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Mulan_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Murdoc_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Murdoc_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Mutante_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Mutante_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Mutzi_12 Start: 5455, Stop: 7041, Start Num: 11

Candidate Starts for Mutzi_12:

(Start: 11 @5455 has 93 MA's), (107, 5707), (113, 5737), (153, 5854), (158, 5875), (163, 5890), (233, 6064), (242, 6106), (246, 6130), (247, 6133), (258, 6172), (270, 6244), (306, 6304), (307, 6307), (308, 6310), (315, 6346), (317, 6355), (319, 6361), (320, 6364), (335, 6427), (342, 6472), (349, 6502), (355, 6550), (369, 6607), (375, 6628), (386, 6655), (387, 6658), (392, 6685), (400, 6736), (410, 6784),

Gene: Mysterious_10 Start: 6968, Stop: 8833, Start Num: 24

Candidate Starts for Mysterious_10:

(Start: 24 @6968 has 377 MA's), (90, 7088), (97, 7124), (104, 7136), (105, 7145), (127, 7223), (144, 7268), (168, 7343), (170, 7349), (212, 7448), (216, 7460), (220, 7475), (236, 7514), (244, 7559), (263, 7652), (267, 7670), (310, 7796), (320, 7844), (326, 7868), (334, 7904), (341, 7946), (347, 7973), (355, 8033), (360, 8057), (368, 8090), (372, 8102), (375, 8114), (386, 8138), (418, 8300), (427, 8318), (432, 8336), (528, 8537), (539, 8555), (543, 8567), (547, 8591), (565, 8657), (590, 8762), (616, 8825), (617,

8828),

Gene: NHagos_8 Start: 5267, Stop: 7105, Start Num: 24

Candidate Starts for NHagos_8:

(Start: 24 @5267 has 377 MA's), (Start: 86 @5381 has 2 MA's), (97, 5423), (138, 5558), (170, 5639), (174, 5657), (212, 5735), (213, 5738), (214, 5741), (226, 5774), (262, 5936), (263, 5939), (267, 5957), (268, 5963), (305, 6083), (307, 6089), (312, 6116), (316, 6134), (320, 6146), (341, 6248), (343, 6260), (355, 6335), (360, 6359), (368, 6392), (433, 6638), (445, 6659), (452, 6665), (530, 6821), (537, 6830), (538, 6833), (566, 6932), (581, 6989), (583, 7001), (590, 7034), (594, 7046), (609, 7082), (611, 7085), (616, 7097),

Gene: Nacho_008 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Nacho_008:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Namago_22 Start: 8194, Stop: 10020, Start Num: 46

Candidate Starts for Namago_22:

(Start: 46 @8194 has 35 MA's), (150, 8479), (161, 8518), (189, 8596), (200, 8614), (252, 8779), (262, 8836), (299, 8953), (302, 8962), (335, 9097), (342, 9142), (343, 9148), (346, 9160), (355, 9220), (391, 9349), (392, 9355), (396, 9382), (416, 9481), (433, 9526), (534, 9721), (545, 9757), (547, 9775), (560, 9820),

Gene: Nanao_8 Start: 5643, Stop: 7532, Start Num: 24

Candidate Starts for Nanao_8:

(Start: 24 @5643 has 377 MA's), (79, 5739), (85, 5754), (99, 5805), (104, 5814), (114, 5865), (117, 5874), (153, 5970), (170, 6030), (204, 6126), (234, 6207), (244, 6261), (262, 6351), (263, 6354), (288, 6432), (292, 6444), (320, 6546), (334, 6606), (341, 6648), (343, 6660), (355, 6735), (360, 6759), (362, 6765), (368, 6792), (370, 6798), (386, 6840), (392, 6870), (517, 7212), (526, 7221), (527, 7224), (547, 7281), (565, 7347), (566, 7350), (567, 7359), (594, 7473), (613, 7518), (616, 7524),

Gene: Nangang_10 Start: 6702, Stop: 8567, Start Num: 24

Candidate Starts for Nangang_10:

(Start: 24 @6702 has 377 MA's), (Start: 31 @6717 has 11 MA's), (97, 6855), (104, 6867), (117, 6927), (132, 6969), (162, 7053), (165, 7065), (168, 7074), (216, 7191), (220, 7206), (236, 7245), (263, 7383), (267, 7401), (286, 7455), (326, 7599), (334, 7635), (341, 7677), (355, 7764), (360, 7788), (368, 7821), (372, 7833), (375, 7845), (386, 7869), (427, 8049), (432, 8067), (513, 8247), (527, 8268), (539, 8289), (565, 8391), (581, 8451), (616, 8559), (617, 8562),

Gene: Natkenzie_14 Start: 6957, Stop: 8627, Start Num: 11

Candidate Starts for Natkenzie_14:

(Start: 11 @6957 has 93 MA's), (Start: 22 @7032 has 2 MA's), (29, 7053), (38, 7080), (82, 7167), (105, 7248), (111, 7278), (113, 7287), (139, 7362), (143, 7374), (154, 7410), (166, 7455), (197, 7527), (201, 7536), (237, 7647), (244, 7686), (246, 7695), (249, 7704), (251, 7716), (252, 7719), (254, 7725), (270, 7800), (302, 7848), (306, 7860), (332, 7980), (335, 7995), (342, 8040), (350, 8079), (357, 8130), (365, 8163), (368, 8175), (369, 8178), (381, 8205), (387, 8229), (400, 8307), (410, 8358), (420, 8388), (424, 8394), (452, 8451), (475, 8496),

Gene: Neos5_11 Start: 7104, Stop: 9008, Start Num: 24

Candidate Starts for Neos5_11:

(Start: 24 @7104 has 377 MA's), (32, 7131), (80, 7212), (99, 7275), (116, 7341), (127, 7374), (164, 7482), (192, 7572), (215, 7650), (236, 7707), (246, 7761), (262, 7842), (267, 7863), (272, 7890), (295, 7941), (297, 7950), (301, 7959), (341, 8136), (343, 8148), (355, 8223), (360, 8247), (365, 8268), (391, 8352), (418, 8490), (427, 8508), (438, 8535), (454, 8559), (531, 8724), (538, 8733), (566, 8838), (567, 8847), (575, 8874), (598, 8964), (609, 8988), (616, 9000),

Gene: Newman_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Newman_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Nicole21_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Nicole21_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Nicole72_14 Start: 8906, Stop: 10651, Start Num: 12

Candidate Starts for Nicole72_14:

(Start: 12 @8906 has 34 MA's), (Start: 14 @8915 has 13 MA's), (69, 9056), (97, 9140), (101, 9152), (105, 9173), (110, 9194), (127, 9251), (133, 9269), (155, 9341), (169, 9392), (197, 9455), (203, 9473), (204, 9482), (236, 9575), (249, 9638), (256, 9665), (262, 9710), (270, 9743), (275, 9752), (276, 9755), (306, 9812), (307, 9815), (315, 9854), (317, 9863), (320, 9872), (329, 9905), (337, 9944), (349, 10010), (350, 10019), (353, 10043), (355, 10058), (373, 10130), (383, 10175), (415, 10340), (417, 10346), (428, 10370), (429, 10373), (450, 10421), (460, 10439), (482, 10478), (484, 10487), (503, 10565), (520, 10607),

Gene: Nigel_7 Start: 5552, Stop: 7444, Start Num: 24

Candidate Starts for Nigel_7:

(Start: 24 @5552 has 377 MA's), (72, 5633), (85, 5663), (88, 5672), (99, 5714), (104, 5723), (117, 5783), (150, 5870), (153, 5879), (170, 5939), (175, 5960), (233, 6113), (234, 6116), (236, 6125), (244, 6170), (262, 6260), (263, 6263), (286, 6335), (288, 6341), (289, 6344), (292, 6353), (310, 6407), (316, 6443), (320, 6455), (322, 6470), (334, 6515), (341, 6557), (359, 6665), (360, 6668), (362, 6674), (368, 6701), (370, 6707), (372, 6713), (428, 6932), (441, 6959), (479, 7022), (517, 7124), (526, 7133), (527, 7136), (547, 7193), (549, 7199), (565, 7259), (566, 7262), (567, 7271), (594, 7385), (605, 7415), (616, 7436),

Gene: Nike_22 Start: 9101, Stop: 10927, Start Num: 46

Candidate Starts for Nike_22:

(Start: 46 @9101 has 35 MA's), (150, 9386), (161, 9425), (189, 9503), (200, 9521), (249, 9671), (252, 9686), (262, 9743), (278, 9812), (299, 9860), (302, 9869), (335, 10004), (342, 10049), (343, 10055), (346, 10067), (355, 10127), (391, 10256), (392, 10262), (396, 10289), (416, 10388), (433, 10433), (534, 10628), (545, 10664), (547, 10682), (560, 10727), (602, 10883),

Gene: NoodlelyBoi_19 Start: 8480, Stop: 10180, Start Num: 12

Candidate Starts for NoodlelyBoi_19:

(Start: 12 @8480 has 34 MA's), (Start: 14 @8489 has 13 MA's), (59, 8609), (97, 8714), (101, 8726), (127, 8825), (129, 8831), (132, 8840), (150, 8897), (155, 8915), (170, 8969), (175, 8993), (176, 8996),

(191, 9020), (197, 9038), (203, 9056), (204, 9065), (216, 9101), (236, 9164), (249, 9227), (256, 9254), (262, 9299), (306, 9401), (307, 9404), (315, 9443), (320, 9461), (337, 9533), (349, 9599), (350, 9608), (355, 9647), (371, 9713), (373, 9719), (383, 9749), (412, 9902), (419, 9920), (429, 9941), (435, 9962), (436, 9965), (446, 9986),

Gene: Nordenberg_7 Start: 4637, Stop: 6259, Start Num: 11

Candidate Starts for Nordenberg_7:

(Start: 11 @4637 has 93 MA's), (72, 4796), (91, 4835), (105, 4898), (132, 4991), (141, 5018), (153, 5057), (201, 5186), (218, 5246), (240, 5315), (244, 5336), (249, 5354), (252, 5369), (254, 5375), (266, 5438), (302, 5498), (306, 5510), (314, 5549), (317, 5561), (320, 5570), (329, 5615), (335, 5645), (342, 5690), (345, 5705), (346, 5708), (351, 5744), (360, 5792), (363, 5801), (369, 5828), (410, 6005), (433, 6062), (437, 6068), (450, 6083), (462, 6104), (464, 6110), (485, 6146), (492, 6173),

Gene: Nozo_11 Start: 7076, Stop: 8983, Start Num: 24

Candidate Starts for Nozo_11:

(Start: 24 @7076 has 377 MA's), (32, 7103), (80, 7184), (99, 7247), (116, 7313), (127, 7346), (164, 7454), (192, 7544), (215, 7622), (236, 7679), (246, 7733), (262, 7814), (267, 7835), (272, 7862), (295, 7913), (297, 7922), (301, 7931), (341, 8108), (343, 8120), (355, 8195), (360, 8219), (365, 8240), (391, 8324), (418, 8462), (427, 8480), (438, 8507), (454, 8531), (531, 8699), (538, 8708), (566, 8813), (567, 8822), (575, 8849), (598, 8939), (609, 8963), (616, 8975),

Gene: Nubi_12 Start: 5453, Stop: 7042, Start Num: 11

Candidate Starts for Nubi_12:

(Start: 11 @5453 has 93 MA's), (Start: 22 @5516 has 2 MA's), (107, 5708), (113, 5738), (153, 5855), (158, 5876), (163, 5891), (233, 6065), (242, 6107), (246, 6131), (247, 6134), (258, 6173), (270, 6245), (306, 6305), (307, 6308), (308, 6311), (315, 6347), (317, 6356), (319, 6362), (320, 6365), (335, 6428), (342, 6473), (349, 6503), (355, 6551), (369, 6608), (375, 6629), (386, 6656), (387, 6659), (392, 6686), (400, 6737), (410, 6785),

Gene: Numberten_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Numberten_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Nyala_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Nyala_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: OSmaximus_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for OSmaximus_8:

(Start: 24 @4439 has 377 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Obutu_11 Start: 6315, Stop: 8219, Start Num: 24

Candidate Starts for Obutu_11:

(Start: 24 @6315 has 377 MA's), (32, 6342), (80, 6423), (99, 6486), (116, 6552), (127, 6585), (164, 6693), (192, 6783), (215, 6861), (236, 6918), (246, 6972), (262, 7053), (267, 7074), (272, 7101), (295, 7152), (297, 7161), (301, 7170), (341, 7347), (343, 7359), (355, 7434), (360, 7458), (365, 7479), (391, 7563), (418, 7701), (427, 7719), (438, 7746), (454, 7770), (531, 7935), (538, 7944), (566, 8049), (567, 8058), (575, 8085), (584, 8121), (598, 8175), (599, 8178), (609, 8199), (616, 8211),

Gene: Odyssey395_24 Start: 9446, Stop: 11332, Start Num: 43

Candidate Starts for Odyssey395_24:

(Start: 43 @9446 has 7 MA's), (47, 9455), (68, 9494), (108, 9617), (111, 9635), (131, 9686), (147, 9710), (168, 9785), (306, 10220), (343, 10394), (346, 10406), (377, 10556), (391, 10607), (396, 10640), (397, 10646), (403, 10679), (410, 10715), (417, 10742), (432, 10781), (442, 10802), (447, 10814), (547, 11078), (579, 11195), (606, 11291),

Gene: Olak_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Olak_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Oline_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Oline_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Olive_8 Start: 4453, Stop: 6357, Start Num: 31

Candidate Starts for Olive_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: OliverWalter_8 Start: 4437, Stop: 6356, Start Num: 24

Candidate Starts for OliverWalter_8:

(Start: 24 @4437 has 377 MA's), (Start: 31 @4452 has 11 MA's), (Start: 81 @4548 has 4 MA's), (87, 4563), (116, 4674), (161, 4806), (168, 4830), (170, 4836), (172, 4848), (176, 4860), (235, 5025), (260, 5151), (261, 5154), (262, 5166), (265, 5175), (267, 5187), (286, 5250), (289, 5259), (301, 5295), (307, 5313), (310, 5322), (320, 5370), (340, 5466), (341, 5472), (349, 5508), (355, 5556), (360, 5580), (407, 5775), (438, 5868), (549, 6120), (584, 6255), (594, 6297), (598, 6309),

Gene: Omniscient_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Omniscient_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407,

5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: OneinaGillian_21 Start: 7426, Stop: 9225, Start Num: 46

Candidate Starts for OneinaGillian_21:

(Start: 46 @7426 has 35 MA's), (89, 7525), (147, 7690), (161, 7741), (170, 7771), (200, 7837), (271, 8104), (285, 8149), (314, 8236), (316, 8245), (326, 8281), (334, 8317), (342, 8365), (343, 8371), (346, 8383), (351, 8419), (355, 8443), (391, 8578), (410, 8686), (415, 8707), (448, 8788), (455, 8797), (522, 8908), (534, 8926), (545, 8962), (561, 9028), (577, 9097), (588, 9130), (611, 9205),

Gene: Onika_19 Start: 8448, Stop: 10124, Start Num: 12

Candidate Starts for Onika_19:

(Start: 12 @8448 has 34 MA's), (Start: 14 @8457 has 13 MA's), (55, 8571), (59, 8577), (97, 8682), (101, 8694), (127, 8793), (129, 8799), (133, 8811), (150, 8865), (155, 8883), (170, 8937), (177, 8967), (197, 9006), (203, 9024), (204, 9033), (216, 9069), (236, 9132), (249, 9195), (256, 9222), (262, 9267), (306, 9369), (307, 9372), (315, 9411), (320, 9429), (337, 9501), (349, 9567), (350, 9576), (355, 9615), (363, 9648), (371, 9681), (373, 9687), (383, 9717), (386, 9732), (412, 9870), (418, 9885), (428, 9906), (429, 9909),

Gene: Oosterbaan_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Oosterbaan_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Opia_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Opia_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (200, 8205), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: OrangeOswald_11 Start: 6314, Stop: 8218, Start Num: 24

Candidate Starts for OrangeOswald_11:

(Start: 24 @6314 has 377 MA's), (32, 6341), (80, 6422), (99, 6485), (116, 6551), (127, 6584), (164, 6692), (192, 6782), (215, 6860), (236, 6917), (246, 6971), (262, 7052), (267, 7073), (272, 7100), (295, 7151), (297, 7160), (301, 7169), (341, 7346), (343, 7358), (355, 7433), (360, 7457), (365, 7478), (391, 7562), (418, 7700), (427, 7718), (438, 7745), (454, 7769), (531, 7934), (538, 7943), (566, 8048), (567, 8057), (575, 8084), (598, 8174), (609, 8198), (616, 8210),

Gene: Orfeu_8 Start: 4551, Stop: 6359, Start Num: 81

Candidate Starts for Orfeu_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Orion_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Orion_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Orwigg_9 Start: 4457, Stop: 6361, Start Num: 31

Candidate Starts for Orwigg_9:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: PG1_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for PG1_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: PR_06 Start: 3403, Stop: 5202, Start Num: 56

Candidate Starts for PR_06:

(Start: 20 @3328 has 6 MA's), (Start: 24 @3346 has 377 MA's), (Start: 56 @3403 has 2 MA's), (108, 3541), (114, 3571), (134, 3625), (170, 3736), (212, 3865), (234, 3922), (236, 3931), (244, 3976), (249, 3994), (264, 4072), (265, 4075), (301, 4159), (309, 4183), (313, 4207), (341, 4336), (343, 4348), (349, 4372), (355, 4423), (368, 4480), (372, 4492), (411, 4666), (438, 4735), (556, 4987), (594, 5128), (598, 5140), (617, 5182),

Gene: Pacifista_9 Start: 4549, Stop: 6357, Start Num: 81

Candidate Starts for Pacifista_9:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Paries_13 Start: 6785, Stop: 8407, Start Num: 11

Candidate Starts for Paries_13:

(Start: 11 @6785 has 93 MA's), (72, 6944), (91, 6983), (105, 7046), (132, 7139), (141, 7166), (153, 7205), (197, 7325), (201, 7334), (218, 7394), (240, 7463), (244, 7484), (249, 7502), (252, 7517), (254, 7523), (266, 7586), (302, 7646), (306, 7658), (314, 7697), (317, 7709), (320, 7718), (329, 7763), (335, 7793), (342, 7838), (345, 7853), (346, 7856), (351, 7892), (360, 7940), (363, 7949), (369, 7976), (410, 8153), (433, 8210), (437, 8216), (450, 8231), (462, 8252), (464, 8258), (485, 8294), (492, 8321),

Gene: Paschalis_19 Start: 8434, Stop: 10140, Start Num: 12

Candidate Starts for Paschalis_19:

(Start: 12 @8434 has 34 MA's), (Start: 14 @8443 has 13 MA's), (16, 8458), (55, 8557), (59, 8563), (97, 8668), (101, 8680), (127, 8779), (129, 8785), (133, 8797), (150, 8851), (155, 8869), (170, 8923), (177, 8953), (197, 8992), (203, 9010), (204, 9019), (216, 9055), (236, 9118), (249, 9181), (256, 9208),

(262, 9253), (306, 9355), (307, 9358), (315, 9397), (320, 9415), (337, 9487), (349, 9553), (350, 9562), (355, 9601), (363, 9634), (371, 9667), (373, 9673), (383, 9703), (412, 9856), (418, 9871), (428, 9892), (429, 9895), (522, 10108),

Gene: Patbob_76 Start: 33335, Stop: 35014, Start Num: 27

Candidate Starts for Patbob_76:

(Start: 25 @33329 has 1 MA's), (27, 33335), (70, 33440), (110, 33563), (112, 33575), (155, 33698), (236, 33950), (244, 33995), (288, 34151), (291, 34160), (294, 34172), (306, 34208), (311, 34229), (349, 34406), (431, 34760), (462, 34826), (464, 34832), (511, 34958), (516, 34967), (530, 35003),

Gene: PauloDiaboli_82 Start: 29189, Stop: 30925, Start Num: 31

Candidate Starts for PauloDiaboli_82:

(Start: 31 @29189 has 11 MA's), (60, 29252), (64, 29261), (92, 29339), (110, 29411), (111, 29420), (118, 29444), (120, 29453), (152, 29534), (178, 29627), (203, 29684), (234, 29807), (244, 29861), (267, 29969), (306, 30080), (315, 30122), (335, 30203), (338, 30224), (350, 30287), (359, 30347), (367, 30380), (384, 30428), (395, 30488), (417, 30599), (463, 30707), (501, 30827), (506, 30851),

Gene: PenguinLover67_12 Start: 7600, Stop: 9486, Start Num: 24

Candidate Starts for PenguinLover67_12:

(Start: 24 @7600 has 377 MA's), (Start: 86 @7714 has 2 MA's), (114, 7822), (145, 7900), (147, 7906), (161, 7957), (170, 7987), (202, 8047), (204, 8062), (216, 8098), (220, 8113), (244, 8197), (252, 8230), (262, 8287), (267, 8308), (272, 8335), (278, 8356), (288, 8377), (292, 8389), (317, 8482), (320, 8491), (333, 8542), (341, 8593), (360, 8704), (368, 8737), (372, 8749), (392, 8815), (427, 8965), (429, 8971), (441, 8995), (470, 9046), (516, 9178), (526, 9190), (537, 9208), (565, 9310), (567, 9322), (586, 9391), (587, 9394),

Gene: Pepe25_20 Start: 7682, Stop: 9481, Start Num: 46

Candidate Starts for Pepe25_20:

(Start: 46 @7682 has 35 MA's), (161, 7997), (170, 8027), (200, 8093), (271, 8360), (314, 8492), (326, 8537), (334, 8573), (342, 8621), (343, 8627), (346, 8639), (351, 8675), (355, 8699), (391, 8834), (410, 8942), (415, 8963), (432, 9008), (448, 9044), (534, 9182), (545, 9218), (561, 9284), (577, 9353), (588, 9386), (608, 9455),

Gene: Phabia_22 Start: 8559, Stop: 10385, Start Num: 46

Candidate Starts for Phabia_22:

(Start: 46 @8559 has 35 MA's), (104, 8709), (150, 8844), (161, 8883), (189, 8961), (200, 8979), (249, 9129), (252, 9144), (262, 9201), (278, 9270), (299, 9318), (302, 9327), (335, 9462), (342, 9507), (343, 9513), (346, 9525), (355, 9585), (391, 9714), (392, 9720), (396, 9747), (416, 9846), (433, 9891), (534, 10086), (545, 10122), (547, 10140), (560, 10185),

Gene: Phaedrus_10 Start: 6231, Stop: 8135, Start Num: 24

Candidate Starts for Phaedrus_10:

(Start: 24 @6231 has 377 MA's), (32, 6258), (80, 6339), (99, 6402), (116, 6468), (127, 6501), (164, 6609), (192, 6699), (215, 6777), (236, 6834), (246, 6888), (262, 6969), (267, 6990), (272, 7017), (295, 7068), (297, 7077), (301, 7086), (341, 7263), (343, 7275), (355, 7350), (360, 7374), (365, 7395), (391, 7479), (418, 7617), (427, 7635), (438, 7662), (454, 7686), (531, 7851), (538, 7860), (566, 7965), (567, 7974), (575, 8001), (598, 8091), (599, 8094), (609, 8115), (616, 8127),

Gene: Phamished_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Phamished_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307,

5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Phantasmagoria_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Phantasmagoria_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: Phareon_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Phareon_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: PhatCats2014_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for PhatCats2014_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: PhatLouie_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for PhatLouie_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Phauci_6 Start: 3603, Stop: 5237, Start Num: 11

Candidate Starts for Phauci_6:

(Start: 11 @3603 has 93 MA's), (13, 3630), (15, 3639), (Start: 22 @3675 has 2 MA's), (Start: 46 @3741 has 35 MA's), (83, 3798), (94, 3831), (105, 3876), (111, 3906), (113, 3915), (121, 3939), (126, 3954), (153, 4035), (169, 4092), (196, 4152), (201, 4164), (204, 4182), (218, 4224), (244, 4314), (249, 4332), (252, 4347), (254, 4353), (264, 4407), (270, 4428), (306, 4488), (307, 4491), (320, 4548), (323, 4572), (329, 4593), (335, 4623), (342, 4668), (346, 4686), (350, 4707), (360, 4770), (365, 4791), (369, 4806), (387, 4857), (406, 4962), (410, 4983), (420, 5013), (430, 5031), (464, 5097), (475, 5118), (493, 5172),

Gene: Phayeta_11 Start: 6190, Stop: 8094, Start Num: 24

Candidate Starts for Phayeta_11:

(Start: 24 @6190 has 377 MA's), (32, 6217), (80, 6298), (99, 6361), (116, 6427), (127, 6460), (164, 6568), (192, 6658), (215, 6736), (236, 6793), (246, 6847), (262, 6928), (267, 6949), (272, 6976), (295, 7027), (297, 7036), (301, 7045), (341, 7222), (343, 7234), (355, 7309), (360, 7333), (365, 7354), (391,

7438), (418, 7576), (427, 7594), (438, 7621), (454, 7645), (531, 7810), (538, 7819), (566, 7924), (567, 7933), (575, 7960), (598, 8050), (599, 8053), (609, 8074), (616, 8086),

Gene: Phelemich_10 Start: 6971, Stop: 8836, Start Num: 24

Candidate Starts for Phelemich_10:

(Start: 24 @6971 has 377 MA's), (Start: 31 @6986 has 11 MA's), (90, 7091), (97, 7127), (104, 7139), (105, 7148), (127, 7226), (144, 7271), (168, 7346), (170, 7352), (212, 7451), (216, 7463), (220, 7478), (236, 7517), (244, 7562), (252, 7595), (263, 7655), (267, 7673), (310, 7799), (320, 7847), (326, 7871), (334, 7907), (341, 7949), (355, 8036), (360, 8060), (368, 8093), (372, 8105), (375, 8117), (386, 8141), (427, 8321), (456, 8372), (528, 8540), (539, 8558), (543, 8570), (547, 8594), (565, 8660), (590, 8765), (616, 8828), (617, 8831),

Gene: Phendrix_65 Start: 24534, Stop: 26360, Start Num: 19

Candidate Starts for Phendrix_65:

(Start: 19 @24534 has 1 MA's), (Start: 23 @24546 has 1 MA's), (37, 24591), (49, 24615), (83, 24702), (109, 24786), (110, 24789), (122, 24834), (184, 25047), (210, 25146), (216, 25170), (244, 25290), (251, 25320), (257, 25338), (260, 25365), (297, 25461), (306, 25485), (314, 25524), (318, 25539), (329, 25578), (330, 25581), (331, 25584), (339, 25632), (343, 25659), (349, 25683), (361, 25758), (362, 25761), (363, 25764), (365, 25776), (367, 25785), (372, 25800), (413, 25998), (433, 26049), (468, 26124), (478, 26145), (520, 26262),

Gene: PhenghisKhan_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for PhenghisKhan_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Pherdinand_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Pherdinand_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Phergie_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Phergie_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Philly_10 Start: 6204, Stop: 8108, Start Num: 24

Candidate Starts for Philly_10:

(Start: 24 @6204 has 377 MA's), (32, 6231), (80, 6312), (99, 6375), (116, 6441), (127, 6474), (164, 6582), (192, 6672), (215, 6750), (236, 6807), (246, 6861), (262, 6942), (267, 6963), (272, 6990), (295, 7041), (297, 7050), (301, 7059), (341, 7236), (343, 7248), (355, 7323), (360, 7347), (365, 7368), (391, 7452), (418, 7590), (427, 7608), (438, 7635), (454, 7659), (531, 7824), (538, 7833), (566, 7938), (567, 7947), (575, 7974), (598, 8064), (609, 8088), (616, 8100),

Gene: Phinally_13 Start: 7070, Stop: 8704, Start Num: 11

Candidate Starts for Phinally_13:

(Start: 11 @7070 has 93 MA's), (13, 7097), (15, 7106), (Start: 22 @7142 has 2 MA's), (34, 7184), (Start: 46 @7208 has 35 MA's), (83, 7265), (94, 7298), (105, 7343), (111, 7373), (113, 7382), (121, 7406), (126, 7421), (153, 7502), (169, 7559), (196, 7619), (201, 7631), (204, 7649), (218, 7691), (244, 7781), (249, 7799), (252, 7814), (254, 7820), (264, 7874), (270, 7895), (306, 7955), (307, 7958), (320, 8015), (323, 8039), (335, 8090), (342, 8135), (346, 8153), (350, 8174), (360, 8237), (365, 8258), (369, 8273), (387, 8324), (406, 8429), (410, 8450), (420, 8480), (430, 8498), (464, 8564), (475, 8585), (493, 8639),

Gene: Phinky_28 Start: 9498, Stop: 11324, Start Num: 46

Candidate Starts for Phinky_28:

(Start: 46 @9498 has 35 MA's), (57, 9519), (104, 9648), (161, 9825), (182, 9897), (188, 9906), (189, 9909), (226, 9993), (264, 10158), (281, 10224), (335, 10401), (342, 10446), (343, 10452), (346, 10464), (355, 10524), (391, 10653), (392, 10659), (403, 10725), (416, 10785), (534, 11025), (561, 11127), (608, 11298), (616, 11316),

Gene: Phipps_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Phipps_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Phleuron_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Phleuron_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Phlop_12 Start: 5562, Stop: 7145, Start Num: 11

Candidate Starts for Phlop_12:

(Start: 11 @5562 has 93 MA's), (42, 5676), (113, 5844), (154, 5964), (158, 5982), (163, 5997), (222, 6147), (235, 6177), (246, 6237), (247, 6240), (258, 6279), (270, 6351), (306, 6411), (307, 6414), (308, 6417), (315, 6453), (317, 6462), (319, 6468), (320, 6471), (335, 6534), (342, 6579), (349, 6609), (355, 6657), (369, 6714), (375, 6735), (381, 6741), (386, 6762), (392, 6792), (400, 6843), (410, 6891),

Gene: Phlyer_11 Start: 7071, Stop: 8975, Start Num: 24

Candidate Starts for Phlyer_11:

(Start: 24 @7071 has 377 MA's), (32, 7098), (80, 7179), (99, 7242), (116, 7308), (127, 7341), (164, 7449), (192, 7539), (215, 7617), (236, 7674), (246, 7728), (262, 7809), (267, 7830), (272, 7857), (295, 7908), (297, 7917), (301, 7926), (341, 8103), (343, 8115), (355, 8190), (360, 8214), (365, 8235), (391, 8319), (418, 8457), (427, 8475), (438, 8502), (454, 8526), (531, 8691), (538, 8700), (566, 8805), (567, 8814), (575, 8841), (598, 8931), (599, 8934), (609, 8955), (616, 8967),

Gene: Phorgeous_19 Start: 8286, Stop: 9992, Start Num: 12

Candidate Starts for Phorgeous_19:

(Start: 12 @8286 has 34 MA's), (Start: 14 @8295 has 13 MA's), (16, 8310), (55, 8409), (59, 8415), (97, 8520), (101, 8532), (127, 8631), (129, 8637), (150, 8703), (155, 8721), (170, 8775), (177, 8805), (197, 8844), (203, 8862), (204, 8871), (216, 8907), (236, 8970), (249, 9033), (256, 9060), (262, 9105),

(306, 9207), (307, 9210), (315, 9249), (320, 9267), (337, 9339), (349, 9405), (350, 9414), (355, 9453), (363, 9486), (371, 9519), (373, 9525), (383, 9555), (412, 9708), (418, 9723), (428, 9744), (429, 9747), (518, 9951), (522, 9960),

Gene: Phrancesco_21 Start: 8565, Stop: 10271, Start Num: 12

Candidate Starts for Phrancesco_21:

(Start: 12 @8565 has 34 MA's), (Start: 14 @8574 has 13 MA's), (16, 8589), (55, 8688), (59, 8694), (97, 8799), (101, 8811), (127, 8910), (129, 8916), (150, 8982), (155, 9000), (170, 9054), (177, 9084), (197, 9123), (203, 9141), (204, 9150), (216, 9186), (236, 9249), (249, 9312), (256, 9339), (262, 9384), (306, 9486), (307, 9489), (315, 9528), (320, 9546), (337, 9618), (349, 9684), (350, 9693), (355, 9732), (363, 9765), (371, 9798), (373, 9804), (383, 9834), (412, 9987), (418, 10002), (428, 10023), (429, 10026), (522, 10239),

Gene: PhrankReynolds_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for PhrankReynolds_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: PhrodoBaggins_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for PhrodoBaggins_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Phunky_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Phunky_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: PierreOrion_20 Start: 8589, Stop: 10295, Start Num: 12

Candidate Starts for PierreOrion_20:

(Start: 12 @8589 has 34 MA's), (Start: 14 @8598 has 13 MA's), (16, 8613), (55, 8712), (59, 8718), (97, 8823), (101, 8835), (127, 8934), (129, 8940), (133, 8952), (150, 9006), (155, 9024), (170, 9078), (177, 9108), (197, 9147), (203, 9165), (204, 9174), (216, 9210), (236, 9273), (249, 9336), (256, 9363), (262, 9408), (306, 9510), (307, 9513), (315, 9552), (320, 9570), (337, 9642), (349, 9708), (350, 9717), (355, 9756), (363, 9789), (371, 9822), (373, 9828), (383, 9858), (412, 10011), (418, 10026), (428, 10047), (429, 10050), (522, 10263),

Gene: Piglet_008 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Piglet_008:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Pine5_11 Start: 6413, Stop: 8443, Start Num: 67

Candidate Starts for Pine5_11:

(32, 6338), (50, 6371), (54, 6380), (67, 6413), (157, 6716), (206, 6875), (265, 7112), (341, 7397), (387, 7592), (399, 7667), (406, 7697), (470, 7868), (471, 7871), (473, 7874), (478, 7883), (544, 8096), (550, 8135), (569, 8207), (591, 8303), (594, 8315), (596, 8318), (597, 8321), (610, 8360), (620, 8387), (622, 8390), (623, 8420), (624, 8423), (625, 8432),

Gene: PinheadLarry_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for PinheadLarry_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: PinkCoffee_12 Start: 5592, Stop: 7178, Start Num: 11

Candidate Starts for PinkCoffee_12:

(Start: 11 @5592 has 93 MA's), (107, 5844), (113, 5874), (153, 5991), (158, 6012), (163, 6027), (233, 6201), (242, 6243), (246, 6267), (247, 6270), (258, 6309), (270, 6381), (306, 6441), (307, 6444), (308, 6447), (315, 6483), (317, 6492), (319, 6498), (320, 6501), (335, 6564), (342, 6609), (349, 6639), (355, 6687), (369, 6744), (375, 6765), (386, 6792), (387, 6795), (392, 6822), (400, 6873), (410, 6921),

Gene: Pinkman_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Pinkman_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Pipefish_11 Start: 7209, Stop: 9104, Start Num: 24

Candidate Starts for Pipefish_11:

(Start: 24 @7209 has 377 MA's), (32, 7236), (80, 7317), (99, 7380), (116, 7446), (127, 7479), (164, 7587), (192, 7677), (215, 7755), (236, 7812), (246, 7866), (262, 7947), (267, 7968), (272, 7995), (295, 8046), (297, 8055), (301, 8064), (341, 8241), (343, 8253), (355, 8328), (360, 8352), (365, 8373), (391, 8457), (418, 8595), (427, 8613), (438, 8640), (454, 8664), (531, 8820), (538, 8829), (566, 8934), (567, 8943), (575, 8970), (584, 9006), (598, 9060), (599, 9063), (609, 9084), (616, 9096),

Gene: PiperSansNom_20 Start: 8738, Stop: 10444, Start Num: 12

Candidate Starts for PiperSansNom_20:

(Start: 12 @8738 has 34 MA's), (Start: 14 @8747 has 13 MA's), (16, 8762), (55, 8861), (59, 8867), (97, 8972), (101, 8984), (127, 9083), (129, 9089), (133, 9101), (150, 9155), (155, 9173), (170, 9227), (177, 9257), (197, 9296), (203, 9314), (204, 9323), (216, 9359), (236, 9422), (249, 9485), (256, 9512), (306, 9659), (307, 9662), (315, 9701), (320, 9719), (337, 9791), (349, 9857), (350, 9866), (355, 9905), (363, 9938), (371, 9971), (373, 9977), (383, 10007), (412, 10160), (418, 10175), (428, 10196), (429, 10199), (518, 10403), (522, 10412),

Gene: Piperis_20 Start: 8441, Stop: 10117, Start Num: 12

Candidate Starts for Piperis_20:

(Start: 12 @8441 has 34 MA's), (Start: 14 @8450 has 13 MA's), (16, 8465), (55, 8564), (59, 8570), (97, 8675), (101, 8687), (127, 8786), (129, 8792), (133, 8804), (150, 8858), (155, 8876), (170, 8930), (177, 8960), (197, 8999), (203, 9017), (204, 9026), (216, 9062), (236, 9125), (249, 9188), (256, 9215),

(262, 9260), (306, 9362), (307, 9365), (315, 9404), (320, 9422), (337, 9494), (349, 9560), (350, 9569), (355, 9608), (363, 9641), (371, 9674), (373, 9680), (383, 9710), (412, 9863), (418, 9878), (428, 9899), (429, 9902),

Gene: Pipsqueak_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Pipsqueak_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Placalicious_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Placalicious_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Plmatters_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Plmatters_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Podrick_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Podrick_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Pointis_22 Start: 9444, Stop: 11336, Start Num: 43

Candidate Starts for Pointis_22:

(Start: 43 @9444 has 7 MA's), (47, 9453), (68, 9492), (108, 9615), (111, 9633), (131, 9684), (147, 9708), (168, 9783), (246, 10026), (306, 10218), (343, 10392), (346, 10404), (377, 10554), (391, 10605), (396, 10638), (397, 10644), (403, 10677), (410, 10713), (417, 10740), (432, 10779), (442, 10800), (447, 10812), (547, 11082), (579, 11199), (606, 11295),

Gene: Pops_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Pops_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Portcullis_12 Start: 5515, Stop: 7101, Start Num: 11

Candidate Starts for Portcullis_12:

(Start: 11 @5515 has 93 MA's), (42, 5629), (113, 5797), (154, 5917), (158, 5935), (163, 5950), (222, 6100), (235, 6130), (246, 6190), (247, 6193), (258, 6232), (270, 6304), (306, 6364), (307, 6367), (308, 6370), (315, 6406), (317, 6415), (319, 6421), (320, 6424), (335, 6487), (342, 6532), (349, 6562), (355, 6610), (369, 6667), (375, 6688), (381, 6694), (386, 6715), (387, 6718), (392, 6745), (400, 6796), (410, 6844),

Gene: Poster_8 Start: 5643, Stop: 7532, Start Num: 24

Candidate Starts for Poster_8:

(Start: 24 @5643 has 377 MA's), (79, 5739), (85, 5754), (99, 5805), (104, 5814), (114, 5865), (117, 5874), (153, 5970), (170, 6030), (204, 6126), (234, 6207), (244, 6261), (262, 6351), (263, 6354), (288, 6432), (292, 6444), (320, 6546), (334, 6606), (341, 6648), (343, 6660), (355, 6735), (360, 6759), (362, 6765), (368, 6792), (370, 6798), (386, 6840), (392, 6870), (517, 7212), (526, 7221), (527, 7224), (547, 7281), (565, 7347), (566, 7350), (567, 7359), (594, 7473), (613, 7518), (616, 7524),

Gene: Potter_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Potter_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Prickles_8 Start: 4447, Stop: 6366, Start Num: 24

Candidate Starts for Prickles_8:

(Start: 24 @4447 has 377 MA's), (Start: 31 @4462 has 11 MA's), (Start: 81 @4558 has 4 MA's), (87, 4573), (116, 4684), (161, 4816), (168, 4840), (170, 4846), (172, 4858), (176, 4870), (235, 5035), (260, 5161), (261, 5164), (262, 5176), (265, 5185), (267, 5197), (286, 5260), (289, 5269), (301, 5305), (307, 5323), (310, 5332), (320, 5380), (340, 5476), (341, 5482), (349, 5518), (355, 5566), (360, 5590), (407, 5785), (438, 5878), (549, 6130), (584, 6265), (594, 6307), (598, 6319),

Gene: Prince_10 Start: 6923, Stop: 8797, Start Num: 31

Candidate Starts for Prince_10:

(Start: 24 @6908 has 377 MA's), (Start: 31 @6923 has 11 MA's), (79, 7004), (85, 7019), (99, 7070), (104, 7079), (114, 7130), (153, 7235), (170, 7295), (204, 7391), (233, 7469), (234, 7472), (236, 7481), (244, 7526), (262, 7616), (263, 7619), (288, 7697), (292, 7709), (320, 7811), (334, 7871), (341, 7913), (343, 7925), (360, 8024), (362, 8030), (368, 8057), (370, 8063), (373, 8072), (386, 8105), (406, 8213), (517, 8477), (526, 8486), (527, 8489), (549, 8552), (565, 8612), (566, 8615), (567, 8624), (594, 8738), (613, 8783), (616, 8789),

Gene: ProfessorX_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for ProfessorX_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Puhltonio_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Puhltonio_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407,

5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Pulchra_21 Start: 8840, Stop: 10516, Start Num: 12

Candidate Starts for Pulchra_21:

(Start: 12 @8840 has 34 MA's), (Start: 14 @8849 has 13 MA's), (16, 8864), (55, 8963), (59, 8969), (97, 9074), (101, 9086), (127, 9185), (129, 9191), (133, 9203), (150, 9257), (155, 9275), (170, 9329), (177, 9359), (197, 9398), (203, 9416), (204, 9425), (216, 9461), (236, 9524), (249, 9587), (256, 9614), (306, 9761), (307, 9764), (315, 9803), (320, 9821), (337, 9893), (349, 9959), (350, 9968), (355, 10007), (363, 10040), (371, 10073), (373, 10079), (383, 10109), (386, 10124), (412, 10262), (418, 10277), (428, 10298), (429, 10301),

Gene: PullumCavea_12 Start: 5562, Stop: 7145, Start Num: 11

Candidate Starts for PullumCavea_12:

(Start: 11 @5562 has 93 MA's), (42, 5676), (113, 5844), (154, 5964), (158, 5982), (163, 5997), (222, 6147), (235, 6177), (246, 6237), (247, 6240), (258, 6279), (270, 6351), (306, 6411), (307, 6414), (308, 6417), (315, 6453), (317, 6462), (319, 6468), (320, 6471), (335, 6534), (342, 6579), (349, 6609), (355, 6657), (369, 6714), (375, 6735), (381, 6741), (386, 6762), (392, 6792), (400, 6843), (410, 6891),

Gene: Pumpernickel_80 Start: 31376, Stop: 33094, Start Num: 31

Candidate Starts for Pumpernickel_80:

(2, 31238), (5, 31247), (9, 31259), (Start: 31 @31376 has 11 MA's), (78, 31490), (178, 31817), (215, 31934), (244, 32051), (267, 32159), (306, 32267), (335, 32390), (338, 32411), (349, 32465), (359, 32534), (398, 32702), (417, 32786), (418, 32789), (419, 32792), (446, 32858),

Gene: Pureglobe5_24 Start: 9460, Stop: 11346, Start Num: 43

Candidate Starts for Pureglobe5_24:

(Start: 43 @9460 has 7 MA's), (47, 9469), (68, 9508), (108, 9631), (111, 9649), (131, 9700), (147, 9724), (168, 9799), (306, 10234), (343, 10408), (346, 10420), (377, 10570), (391, 10621), (396, 10654), (397, 10660), (403, 10693), (410, 10729), (417, 10756), (432, 10795), (442, 10816), (447, 10828), (547, 11092), (579, 11209), (606, 11305),

Gene: Quammi_20 Start: 8130, Stop: 9956, Start Num: 46

Candidate Starts for Quammi_20:

(Start: 46 @8130 has 35 MA's), (104, 8280), (150, 8415), (161, 8454), (189, 8532), (200, 8550), (249, 8700), (252, 8715), (262, 8772), (278, 8841), (299, 8889), (302, 8898), (335, 9033), (342, 9078), (343, 9084), (346, 9096), (355, 9156), (391, 9285), (392, 9291), (396, 9318), (416, 9417), (433, 9462), (534, 9657), (545, 9693), (547, 9711), (560, 9756),

Gene: QueenBeane_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for QueenBeane_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Quesadilla_11 Start: 7419, Stop: 9299, Start Num: 24

Candidate Starts for Quesadilla_11:

(Start: 24 @7419 has 377 MA's), (Start: 86 @7533 has 2 MA's), (97, 7578), (147, 7725), (150, 7737), (161, 7776), (182, 7836), (204, 7881), (216, 7917), (220, 7932), (244, 8016), (252, 8049), (261, 8094), (262, 8106), (267, 8127), (288, 8196), (292, 8208), (333, 8361), (341, 8412), (368, 8556), (369, 8559), (372, 8568), (392, 8634), (427, 8784), (434, 8808), (516, 8991), (526, 9003), (537, 9021), (565, 9123), (567, 9135), (586, 9204), (609, 9276),

Gene: Quhwah_22 Start: 8789, Stop: 10495, Start Num: 12

Candidate Starts for Quhwah_22:

(Start: 12 @8789 has 34 MA's), (Start: 14 @8798 has 13 MA's), (55, 8912), (59, 8918), (97, 9023), (101, 9035), (127, 9134), (129, 9140), (133, 9152), (150, 9206), (155, 9224), (170, 9278), (177, 9308), (197, 9347), (203, 9365), (204, 9374), (216, 9410), (236, 9473), (249, 9536), (256, 9563), (262, 9608), (306, 9710), (307, 9713), (315, 9752), (320, 9770), (337, 9842), (349, 9908), (350, 9917), (355, 9956), (363, 9989), (371, 10022), (373, 10028), (383, 10058), (412, 10211), (418, 10226), (428, 10247), (429, 10250), (518, 10454), (522, 10463),

Gene: Quisquilliae_9 Start: 4567, Stop: 6360, Start Num: 87

Candidate Starts for Quisquilliae_9:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Qyrzula_12 Start: 7818, Stop: 9707, Start Num: 24

Candidate Starts for Qyrzula_12:

(Start: 24 @7818 has 377 MA's), (44, 7866), (Start: 56 @7890 has 2 MA's), (72, 7908), (Start: 86 @7941 has 2 MA's), (114, 8049), (144, 8133), (164, 8196), (174, 8232), (195, 8283), (200, 8295), (204, 8316), (234, 8394), (236, 8403), (244, 8448), (262, 8538), (263, 8541), (265, 8547), (267, 8559), (270, 8574), (272, 8586), (305, 8670), (312, 8703), (316, 8721), (329, 8766), (341, 8835), (343, 8847), (355, 8922), (360, 8946), (362, 8952), (368, 8979), (372, 8991), (374, 8997), (386, 9027), (387, 9030), (392, 9057), (403, 9123), (405, 9132), (427, 9207), (443, 9243), (471, 9288), (530, 9426), (531, 9429), (539, 9441), (562, 9528), (566, 9537), (567, 9546), (570, 9561), (580, 9591), (584, 9609), (588, 9624), (594, 9651), (598, 9663), (616, 9699),

Gene: Racecar_77 Start: 33689, Stop: 35374, Start Num: 25

Candidate Starts for Racecar_77:

(Start: 25 @33689 has 1 MA's), (27, 33695), (70, 33800), (110, 33923), (112, 33935), (155, 34058), (236, 34310), (244, 34355), (288, 34511), (291, 34520), (294, 34532), (306, 34568), (311, 34589), (349, 34766), (431, 35120), (462, 35186), (464, 35192), (511, 35318), (516, 35327), (530, 35363),

Gene: RagingRooster_11 Start: 6315, Stop: 8219, Start Num: 24

Candidate Starts for RagingRooster_11:

(Start: 24 @6315 has 377 MA's), (32, 6342), (80, 6423), (99, 6486), (116, 6552), (127, 6585), (164, 6693), (192, 6783), (215, 6861), (236, 6918), (246, 6972), (262, 7053), (267, 7074), (272, 7101), (295, 7152), (297, 7161), (301, 7170), (341, 7347), (343, 7359), (355, 7434), (360, 7458), (365, 7479), (391, 7563), (418, 7701), (427, 7719), (438, 7746), (454, 7770), (538, 7944), (566, 8049), (567, 8058), (575, 8085), (598, 8175), (609, 8199), (616, 8211),

Gene: RainyPolka_10 Start: 8039, Stop: 9838, Start Num: 58

Candidate Starts for RainyPolka_10:

(Start: 58 @8039 has 10 MA's), (104, 8156), (105, 8165), (112, 8198), (130, 8246), (150, 8285), (170, 8354), (200, 8423), (201, 8426), (204, 8444), (208, 8465), (217, 8492), (233, 8546), (235, 8552), (236, 8558), (244, 8603), (258, 8654), (265, 8702), (305, 8780), (308, 8789), (317, 8834), (326, 8867), (329, 8876), (334, 8903), (356, 9035), (438, 9326), (467, 9362), (480, 9389), (494, 9437), (508, 9485), (514, 9497), (534, 9530), (541, 9548), (559, 9617), (612, 9809), (618, 9827),

Gene: Ramiel05_19 Start: 8475, Stop: 10151, Start Num: 12

Candidate Starts for Ramiel05_19:

(Start: 12 @8475 has 34 MA's), (Start: 14 @8484 has 13 MA's), (55, 8598), (59, 8604), (97, 8709), (101, 8721), (127, 8820), (129, 8826), (133, 8838), (150, 8892), (155, 8910), (170, 8964), (177, 8994), (197, 9033), (203, 9051), (204, 9060), (216, 9096), (236, 9159), (249, 9222), (256, 9249), (306, 9396), (307, 9399), (315, 9438), (320, 9456), (337, 9528), (349, 9594), (350, 9603), (363, 9675), (371, 9708), (373, 9714), (383, 9744), (386, 9759), (412, 9897), (418, 9912), (428, 9933), (429, 9936),

Gene: Ranunculus_17 Start: 8556, Stop: 10292, Start Num: 108

Candidate Starts for Ranunculus_17:

(Start: 43 @8385 has 7 MA's), (68, 8433), (108, 8556), (111, 8574), (131, 8625), (147, 8649), (150, 8661), (166, 8718), (168, 8724), (306, 9159), (342, 9327), (343, 9333), (346, 9345), (391, 9546), (396, 9579), (397, 9585), (403, 9618), (410, 9654), (432, 9720), (447, 9753), (453, 9765), (504, 9921), (522, 9957), (535, 9978), (545, 10011), (579, 10155), (592, 10209), (602, 10239),

Gene: RawrgerThat_9 Start: 6757, Stop: 8628, Start Num: 31

Candidate Starts for RawrgerThat_9:

(Start: 24 @6742 has 377 MA's), (Start: 31 @6757 has 11 MA's), (79, 6838), (85, 6853), (99, 6904), (104, 6913), (114, 6964), (153, 7069), (170, 7129), (204, 7225), (233, 7303), (234, 7306), (244, 7360), (262, 7450), (263, 7453), (288, 7531), (292, 7543), (320, 7645), (334, 7705), (341, 7747), (343, 7759), (360, 7858), (362, 7864), (368, 7891), (370, 7897), (386, 7939), (392, 7969), (517, 8308), (526, 8317), (527, 8320), (544, 8359), (549, 8383), (565, 8443), (566, 8446), (567, 8455), (594, 8569), (613, 8614), (616, 8620),

Gene: RedMaple_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for RedMaple_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Reprobate_10 Start: 6968, Stop: 8833, Start Num: 24

Candidate Starts for Reprobate_10:

(Start: 24 @6968 has 377 MA's), (Start: 31 @6983 has 11 MA's), (90, 7088), (97, 7124), (104, 7136), (105, 7145), (127, 7223), (144, 7268), (168, 7343), (170, 7349), (212, 7448), (216, 7460), (220, 7475), (236, 7514), (244, 7559), (252, 7592), (263, 7652), (267, 7670), (310, 7796), (320, 7844), (326, 7868), (334, 7904), (341, 7946), (355, 8033), (360, 8057), (368, 8090), (372, 8102), (375, 8114), (386, 8138), (427, 8318), (456, 8369), (528, 8537), (539, 8555), (543, 8567), (547, 8591), (565, 8657), (590, 8762), (616, 8825), (617, 8828),

Gene: Rhinoforte_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Rhinoforte_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Ribeye_13 Start: 6470, Stop: 8098, Start Num: 11

Candidate Starts for Ribeye_13:

(Start: 11 @6470 has 93 MA's), (42, 6593), (Start: 58 @6614 has 10 MA's), (91, 6671), (105, 6734), (111, 6764), (132, 6827), (141, 6854), (201, 7022), (230, 7109), (239, 7148), (244, 7172), (249, 7190), (252, 7205), (254, 7211), (266, 7274), (306, 7346), (314, 7385), (329, 7451), (335, 7481), (342, 7526), (345, 7541), (346, 7544), (351, 7580), (360, 7628), (363, 7637), (369, 7664), (381, 7691), (391, 7736), (404, 7811), (410, 7841), (414, 7859), (433, 7898), (437, 7904), (450, 7919), (462, 7940), (464, 7946), (485, 7982), (493, 8015),

Gene: Rich_10 Start: 6696, Stop: 8564, Start Num: 24

Candidate Starts for Rich_10:

(Start: 24 @6696 has 377 MA's), (32, 6720), (90, 6816), (97, 6852), (104, 6864), (162, 7050), (168, 7071), (170, 7077), (216, 7188), (220, 7203), (236, 7242), (263, 7380), (267, 7398), (288, 7458), (326, 7596), (341, 7674), (343, 7686), (348, 7704), (360, 7785), (368, 7818), (372, 7830), (375, 7842), (386, 7866), (432, 8064), (444, 8085), (513, 8244), (527, 8265), (528, 8268), (539, 8286), (565, 8388), (581, 8448), (616, 8556), (617, 8559),

Gene: Ricotta_8 Start: 4551, Stop: 6359, Start Num: 81

Candidate Starts for Ricotta_8:

(Start: 24 @4440 has 377 MA's), (Start: 31 @4455 has 11 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Riggan_8 Start: 4445, Stop: 6364, Start Num: 24

Candidate Starts for Riggan_8:

(Start: 24 @4445 has 377 MA's), (Start: 31 @4460 has 11 MA's), (Start: 81 @4556 has 4 MA's), (87, 4571), (116, 4682), (161, 4814), (168, 4838), (170, 4844), (172, 4856), (176, 4868), (235, 5033), (260, 5159), (261, 5162), (262, 5174), (265, 5183), (267, 5195), (286, 5258), (289, 5267), (301, 5303), (307, 5321), (310, 5330), (320, 5378), (340, 5474), (341, 5480), (349, 5516), (355, 5564), (360, 5588), (407, 5783), (438, 5876), (549, 6128), (584, 6263), (594, 6305), (598, 6317),

Gene: Rimu_8 Start: 4563, Stop: 6356, Start Num: 87

Candidate Starts for Rimu_8:

(Start: 24 @4437 has 377 MA's), (Start: 81 @4548 has 4 MA's), (87, 4563), (116, 4674), (161, 4806), (168, 4830), (170, 4836), (172, 4848), (176, 4860), (235, 5025), (260, 5151), (261, 5154), (262, 5166), (265, 5175), (267, 5187), (286, 5250), (289, 5259), (301, 5295), (307, 5313), (310, 5322), (320, 5370), (340, 5466), (341, 5472), (349, 5508), (355, 5556), (360, 5580), (407, 5775), (438, 5868), (549, 6120), (584, 6255), (594, 6297), (598, 6309),

Gene: Rita1961_11 Start: 6315, Stop: 8219, Start Num: 24

Candidate Starts for Rita1961_11:

(Start: 24 @6315 has 377 MA's), (32, 6342), (80, 6423), (99, 6486), (116, 6552), (127, 6585), (164, 6693), (192, 6783), (215, 6861), (236, 6918), (246, 6972), (262, 7053), (267, 7074), (272, 7101), (295, 7152), (297, 7161), (301, 7170), (341, 7347), (343, 7359), (355, 7434), (360, 7458), (365, 7479), (391, 7563), (418, 7701), (427, 7719), (438, 7746), (454, 7770), (531, 7935), (538, 7944), (566, 8049), (567, 8058), (575, 8085), (598, 8175), (599, 8178), (609, 8199), (616, 8211),

Gene: RiverRaider_14 Start: 6026, Stop: 7657, Start Num: 11

Candidate Starts for RiverRaider_14:

(Start: 11 @6026 has 93 MA's), (91, 6227), (105, 6290), (132, 6383), (150, 6440), (196, 6566), (201, 6578), (240, 6707), (244, 6728), (249, 6746), (252, 6761), (254, 6767), (306, 6902), (314, 6941), (320, 6962), (329, 7007), (335, 7037), (342, 7082), (345, 7097), (346, 7100), (351, 7136), (363, 7193), (369, 7220), (381, 7247), (399, 7346), (400, 7349), (403, 7364), (408, 7388), (410, 7397), (414, 7415), (422,

7430), (433, 7454), (446, 7472), (450, 7475), (462, 7496), (471, 7517), (485, 7541), (492, 7568), (500, 7607),

Gene: Rizwana_16 Start: 8365, Stop: 10227, Start Num: 43

Candidate Starts for Rizwana_16:

(Start: 43 @8365 has 7 MA's), (47, 8374), (Start: 81 @8449 has 4 MA's), (96, 8497), (111, 8557), (119, 8587), (137, 8614), (161, 8680), (209, 8812), (232, 8872), (233, 8875), (265, 9031), (267, 9043), (299, 9118), (303, 9130), (306, 9139), (314, 9178), (329, 9232), (342, 9307), (372, 9454), (380, 9478), (382, 9484), (388, 9508), (391, 9526), (403, 9598), (410, 9634), (418, 9664), (433, 9703), (438, 9715), (453, 9745), (497, 9841), (504, 9880), (539, 9949), (546, 9982), (602, 10186), (603, 10189), (606, 10198),

Gene: RoadKill_11 Start: 5257, Stop: 6933, Start Num: 11

Candidate Starts for RoadKill_11:

(Start: 11 @5257 has 93 MA's), (Start: 14 @5290 has 13 MA's), (33, 5368), (60, 5422), (105, 5554), (111, 5584), (137, 5662), (143, 5680), (166, 5761), (197, 5833), (201, 5842), (218, 5902), (249, 6010), (251, 6022), (252, 6025), (254, 6031), (306, 6166), (307, 6169), (320, 6226), (335, 6301), (342, 6346), (346, 6364), (350, 6385), (355, 6424), (360, 6448), (365, 6469), (369, 6484), (387, 6535), (391, 6556), (410, 6661), (420, 6691), (432, 6715), (433, 6718), (475, 6796),

Gene: RobinRose_23 Start: 7894, Stop: 9693, Start Num: 46

Candidate Starts for RobinRose_23:

(Start: 46 @7894 has 35 MA's), (89, 7993), (147, 8158), (161, 8209), (170, 8239), (200, 8305), (271, 8572), (285, 8617), (314, 8704), (326, 8749), (334, 8785), (342, 8833), (343, 8839), (346, 8851), (351, 8887), (355, 8911), (391, 9046), (410, 9154), (415, 9175), (448, 9256), (455, 9265), (522, 9376), (534, 9394), (545, 9430), (561, 9496), (577, 9565), (588, 9598), (611, 9673),

Gene: RobsFeet_21 Start: 8347, Stop: 10041, Start Num: 12

Candidate Starts for RobsFeet_21:

(Start: 12 @8347 has 34 MA's), (Start: 14 @8356 has 13 MA's), (59, 8479), (97, 8584), (101, 8596), (127, 8695), (150, 8767), (155, 8785), (197, 8908), (202, 8920), (203, 8926), (204, 8935), (216, 8971), (236, 9034), (249, 9097), (256, 9124), (262, 9169), (290, 9220), (306, 9271), (307, 9274), (315, 9313), (317, 9322), (320, 9331), (329, 9364), (337, 9403), (349, 9469), (350, 9478), (351, 9493), (355, 9517), (371, 9583), (373, 9589), (383, 9616), (412, 9769), (429, 9808), (435, 9829), (460, 9874), (522, 10021),

Gene: Robyn_8 Start: 4443, Stop: 6362, Start Num: 24

Candidate Starts for Robyn_8:

(Start: 24 @4443 has 377 MA's), (Start: 31 @4458 has 11 MA's), (Start: 81 @4554 has 4 MA's), (87, 4569), (116, 4680), (161, 4812), (168, 4836), (170, 4842), (172, 4854), (176, 4866), (235, 5031), (260, 5157), (261, 5160), (262, 5172), (265, 5181), (267, 5193), (286, 5256), (289, 5265), (301, 5301), (307, 5319), (310, 5328), (320, 5376), (340, 5472), (341, 5478), (349, 5514), (355, 5562), (360, 5586), (407, 5781), (438, 5874), (549, 6126), (584, 6261), (594, 6303), (598, 6315),

Gene: Rofo_12 Start: 7025, Stop: 8647, Start Num: 11

Candidate Starts for Rofo_12:

(Start: 11 @7025 has 93 MA's), (72, 7184), (91, 7223), (105, 7286), (132, 7379), (141, 7406), (153, 7445), (201, 7574), (218, 7634), (240, 7703), (244, 7724), (249, 7742), (252, 7757), (254, 7763), (266, 7826), (302, 7886), (306, 7898), (314, 7937), (317, 7949), (320, 7958), (329, 8003), (335, 8033), (342, 8078), (345, 8093), (346, 8096), (351, 8132), (360, 8180), (363, 8189), (369, 8216), (410, 8393), (433, 8450), (437, 8456), (450, 8471), (462, 8492), (464, 8498), (485, 8534), (492, 8561),

Gene: RogerDodger_13 Start: 5819, Stop: 7405, Start Num: 11

Candidate Starts for RogerDodger_13:

(Start: 11 @5819 has 93 MA's), (66, 5963), (98, 6035), (113, 6101), (124, 6134), (153, 6218), (158, 6239), (163, 6254), (233, 6428), (235, 6434), (242, 6470), (246, 6494), (247, 6497), (258, 6536), (270, 6608), (306, 6668), (307, 6671), (308, 6674), (315, 6710), (317, 6719), (319, 6725), (320, 6728), (335, 6791), (342, 6836), (349, 6866), (355, 6914), (369, 6971), (375, 6992), (386, 7019), (387, 7022), (392, 7049), (400, 7100), (410, 7148),

Gene: Roliet_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Roliet_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: RomaT_11 Start: 7077, Stop: 8981, Start Num: 24

Candidate Starts for RomaT_11:

(Start: 24 @7077 has 377 MA's), (32, 7104), (80, 7185), (99, 7248), (116, 7314), (127, 7347), (164, 7455), (192, 7545), (215, 7623), (236, 7680), (246, 7734), (262, 7815), (267, 7836), (272, 7863), (295, 7914), (297, 7923), (301, 7932), (341, 8109), (343, 8121), (355, 8196), (360, 8220), (365, 8241), (391, 8325), (418, 8463), (427, 8481), (438, 8508), (454, 8532), (531, 8697), (538, 8706), (566, 8811), (567, 8820), (575, 8847), (598, 8937), (609, 8961), (616, 8973),

Gene: RomansRevenge_13 Start: 6378, Stop: 8228, Start Num: 43

Candidate Starts for RomansRevenge_13:

(35, 6363), (Start: 43 @6378 has 7 MA's), (75, 6444), (Start: 81 @6462 has 4 MA's), (110, 6561), (111, 6570), (112, 6573), (115, 6585), (116, 6588), (134, 6621), (149, 6648), (161, 6693), (202, 6795), (211, 6822), (216, 6837), (232, 6876), (238, 6909), (243, 6927), (246, 6945), (265, 7035), (267, 7047), (299, 7131), (306, 7152), (315, 7194), (329, 7245), (342, 7320), (343, 7326), (346, 7338), (359, 7419), (366, 7449), (379, 7485), (391, 7530), (410, 7638), (499, 7845), (521, 7881), (546, 7950), (558, 7998), (568, 8037), (579, 8082), (606, 8178),

Gene: Romm_23 Start: 7894, Stop: 9693, Start Num: 46

Candidate Starts for Romm_23:

(Start: 46 @7894 has 35 MA's), (89, 7993), (147, 8158), (161, 8209), (170, 8239), (200, 8305), (271, 8572), (285, 8617), (314, 8704), (326, 8749), (334, 8785), (342, 8833), (343, 8839), (346, 8851), (351, 8887), (355, 8911), (391, 9046), (410, 9154), (415, 9175), (448, 9256), (455, 9265), (522, 9376), (534, 9394), (545, 9430), (561, 9496), (577, 9565), (588, 9598), (611, 9673),

Gene: Roscoe_9 Start: 4676, Stop: 6595, Start Num: 24

Candidate Starts for Roscoe_9:

(Start: 24 @4676 has 377 MA's), (Start: 81 @4787 has 4 MA's), (87, 4802), (116, 4913), (161, 5045), (168, 5069), (170, 5075), (172, 5087), (176, 5099), (235, 5264), (260, 5390), (261, 5393), (262, 5405), (265, 5414), (267, 5426), (286, 5489), (289, 5498), (301, 5534), (307, 5552), (310, 5561), (320, 5609), (340, 5705), (341, 5711), (349, 5747), (355, 5795), (360, 5819), (407, 6014), (438, 6107), (549, 6359), (584, 6494), (594, 6536), (598, 6548),

Gene: Rosebush_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for Rosebush_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586), (270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874),

(355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Rowlf_19 Start: 7897, Stop: 9723, Start Num: 46

Candidate Starts for Rowlf_19:

(Start: 46 @7897 has 35 MA's), (150, 8182), (161, 8221), (189, 8299), (200, 8317), (249, 8467), (252, 8482), (262, 8539), (278, 8608), (299, 8656), (302, 8665), (335, 8800), (342, 8845), (343, 8851), (346, 8863), (355, 8923), (391, 9052), (392, 9058), (396, 9085), (416, 9184), (433, 9229), (534, 9424), (545, 9460), (547, 9478), (560, 9523),

Gene: Roy17_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Roy17_8:

(Start: 24 @4442 has 377 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: RubyRalph_24 Start: 8991, Stop: 10805, Start Num: 46

Candidate Starts for RubyRalph_24:

(Start: 36 @8970 has 1 MA's), (Start: 46 @8991 has 35 MA's), (161, 9318), (166, 9336), (170, 9348), (234, 9492), (249, 9564), (255, 9588), (263, 9639), (301, 9753), (310, 9780), (315, 9810), (335, 9891), (342, 9936), (343, 9942), (346, 9954), (355, 10014), (377, 10098), (391, 10143), (392, 10149), (403, 10215), (416, 10275), (455, 10365), (491, 10425), (534, 10506), (592, 10731),

Gene: Rudy_20 Start: 8130, Stop: 9956, Start Num: 46

Candidate Starts for Rudy_20:

(Start: 46 @8130 has 35 MA's), (104, 8280), (150, 8415), (161, 8454), (189, 8532), (200, 8550), (249, 8700), (252, 8715), (262, 8772), (278, 8841), (299, 8889), (302, 8898), (335, 9033), (342, 9078), (343, 9084), (346, 9096), (355, 9156), (391, 9285), (392, 9291), (396, 9318), (416, 9417), (433, 9462), (534, 9657), (545, 9693), (547, 9711), (560, 9756),

Gene: SDcharge11_8 Start: 4440, Stop: 6353, Start Num: 24

Candidate Starts for SDcharge11_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6117), (584, 6252), (594, 6294), (598, 6306),

Gene: SJReid_81 Start: 34914, Stop: 36533, Start Num: 27

Candidate Starts for SJReid_81:

(27, 34914), (70, 35016), (73, 35022), (112, 35151), (171, 35334), (303, 35763), (307, 35775), (311, 35793), (349, 35970), (359, 36039), (417, 36291), (431, 36324), (464, 36396), (480, 36423), (511, 36480), (530, 36522),

Gene: Sabella_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Sabella_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (200, 8205), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469),

(270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: SadLad_25 Start: 9427, Stop: 11262, Start Num: 36

Candidate Starts for SadLad_25:

(Start: 36 @9427 has 1 MA's), (Start: 46 @9448 has 35 MA's), (161, 9775), (166, 9793), (170, 9805), (234, 9949), (249, 10021), (255, 10045), (263, 10096), (301, 10210), (310, 10237), (315, 10267), (335, 10348), (342, 10393), (343, 10399), (346, 10411), (355, 10471), (377, 10555), (391, 10600), (392, 10606), (403, 10672), (416, 10732), (455, 10822), (491, 10882), (534, 10963), (592, 11188),

Gene: Saguaro_11 Start: 7627, Stop: 9525, Start Num: 24

Candidate Starts for Saguaro_11:

(Start: 24 @7627 has 377 MA's), (Start: 86 @7741 has 2 MA's), (104, 7798), (114, 7849), (127, 7888), (147, 7948), (150, 7960), (156, 7984), (172, 8041), (204, 8104), (216, 8140), (236, 8194), (244, 8239), (250, 8260), (252, 8272), (262, 8329), (267, 8350), (272, 8377), (278, 8398), (288, 8419), (292, 8431), (305, 8470), (308, 8479), (317, 8524), (320, 8533), (326, 8557), (341, 8635), (343, 8647), (355, 8722), (360, 8746), (372, 8791), (386, 8827), (391, 8851), (413, 8974), (427, 9007), (433, 9028), (588, 9439), (593, 9463), (594, 9466), (613, 9511),

Gene: Salete_10 Start: 8087, Stop: 9889, Start Num: 58

Candidate Starts for Salete_10:

(Start: 58 @8087 has 10 MA's), (105, 8213), (110, 8234), (112, 8246), (130, 8294), (150, 8333), (162, 8375), (170, 8402), (200, 8471), (204, 8492), (208, 8513), (233, 8591), (235, 8597), (236, 8603), (258, 8699), (265, 8747), (305, 8825), (315, 8870), (317, 8879), (326, 8912), (334, 8948), (356, 9080), (438, 9377), (467, 9413), (497, 9503), (508, 9536), (514, 9548), (541, 9599), (552, 9650), (559, 9668), (570, 9716), (572, 9722), (592, 9803), (602, 9833), (612, 9860), (618, 9878),

Gene: SallyK_23 Start: 9291, Stop: 11117, Start Num: 46

Candidate Starts for SallyK_23:

(Start: 46 @9291 has 35 MA's), (104, 9441), (150, 9576), (161, 9615), (189, 9693), (200, 9711), (249, 9861), (252, 9876), (262, 9933), (278, 10002), (299, 10050), (302, 10059), (335, 10194), (342, 10239), (343, 10245), (355, 10317), (391, 10446), (392, 10452), (396, 10479), (416, 10578), (433, 10623), (534, 10818), (545, 10854), (547, 10872), (560, 10917),

Gene: Salvador_12 Start: 5434, Stop: 7020, Start Num: 11

Candidate Starts for Salvador_12:

(Start: 11 @5434 has 93 MA's), (107, 5686), (113, 5716), (153, 5833), (158, 5854), (163, 5869), (233, 6043), (242, 6085), (246, 6109), (247, 6112), (258, 6151), (270, 6223), (306, 6283), (307, 6286), (308, 6289), (315, 6325), (317, 6334), (319, 6340), (320, 6343), (335, 6406), (342, 6451), (349, 6481), (355, 6529), (369, 6586), (375, 6607), (386, 6634), (387, 6637), (392, 6664), (400, 6715), (410, 6763),

Gene: Samaymay_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Samaymay_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Sampson_14 Start: 6902, Stop: 8572, Start Num: 11

Candidate Starts for Sampson_14:

(Start: 11 @6902 has 93 MA's), (Start: 22 @6977 has 2 MA's), (29, 6998), (38, 7025), (82, 7112), (105, 7193), (111, 7223), (113, 7232), (139, 7307), (143, 7319), (154, 7355), (166, 7400), (197, 7472), (201, 7481), (237, 7592), (244, 7631), (246, 7640), (249, 7649), (251, 7661), (252, 7664), (254, 7670), (270, 7745), (302, 7793), (306, 7805), (332, 7925), (335, 7940), (342, 7985), (350, 8024), (357, 8075), (365, 8108), (368, 8120), (369, 8123), (381, 8150), (387, 8174), (400, 8252), (410, 8303), (420, 8333), (424, 8339), (452, 8396), (475, 8441),

Gene: Sanjuju_11 Start: 6983, Stop: 8605, Start Num: 11

Candidate Starts for Sanjuju_11:

(Start: 11 @6983 has 93 MA's), (42, 7103), (72, 7142), (91, 7181), (105, 7244), (132, 7337), (141, 7364), (153, 7403), (201, 7532), (218, 7592), (240, 7661), (244, 7682), (249, 7700), (252, 7715), (254, 7721), (266, 7784), (302, 7844), (306, 7856), (314, 7895), (317, 7907), (320, 7916), (325, 7949), (329, 7961), (335, 7991), (342, 8036), (345, 8051), (346, 8054), (351, 8090), (360, 8138), (363, 8147), (369, 8174), (410, 8351), (433, 8408), (437, 8414), (450, 8429), (462, 8450), (464, 8456), (485, 8492), (492, 8519),

Gene: Saronaya_12 Start: 6272, Stop: 7900, Start Num: 11

Candidate Starts for Saronaya_12:

(Start: 11 @6272 has 93 MA's), (42, 6395), (Start: 58 @6416 has 10 MA's), (91, 6473), (105, 6536), (111, 6566), (132, 6629), (141, 6656), (201, 6824), (230, 6911), (239, 6950), (244, 6974), (249, 6992), (252, 7007), (254, 7013), (266, 7076), (306, 7148), (314, 7187), (329, 7253), (335, 7283), (342, 7328), (345, 7343), (346, 7346), (351, 7382), (360, 7430), (363, 7439), (369, 7466), (381, 7493), (391, 7538), (404, 7613), (410, 7643), (414, 7661), (433, 7700), (437, 7706), (450, 7721), (462, 7742), (464, 7748), (485, 7784), (493, 7817),

Gene: SassyCat97_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for SassyCat97_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Savannah_19 Start: 8499, Stop: 10175, Start Num: 12

Candidate Starts for Savannah_19:

(Start: 12 @8499 has 34 MA's), (Start: 14 @8508 has 13 MA's), (55, 8622), (59, 8628), (97, 8733), (101, 8745), (127, 8844), (129, 8850), (133, 8862), (150, 8916), (155, 8934), (170, 8988), (177, 9018), (197, 9057), (203, 9075), (204, 9084), (216, 9120), (236, 9183), (249, 9246), (256, 9273), (306, 9420), (307, 9423), (315, 9462), (320, 9480), (337, 9552), (349, 9618), (350, 9627), (363, 9699), (371, 9732), (373, 9738), (383, 9768), (386, 9783), (412, 9921), (418, 9936), (428, 9957), (429, 9960),

Gene: Savbucketdawg_12 Start: 5267, Stop: 6853, Start Num: 11

Candidate Starts for Savbucketdawg_12:

(Start: 11 @5267 has 93 MA's), (42, 5381), (113, 5549), (154, 5669), (158, 5687), (163, 5702), (222, 5852), (235, 5882), (246, 5942), (247, 5945), (258, 5984), (270, 6056), (306, 6116), (307, 6119), (308, 6122), (315, 6158), (317, 6167), (319, 6173), (320, 6176), (335, 6239), (342, 6284), (349, 6314), (355, 6362), (369, 6419), (375, 6440), (381, 6446), (386, 6467), (387, 6470), (392, 6497), (400, 6548), (410, 6596),

Gene: Schadenfreude_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Schadenfreude_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: SchottB_11 Start: 6448, Stop: 8076, Start Num: 11

Candidate Starts for SchottB_11:

(Start: 11 @6448 has 93 MA's), (42, 6571), (Start: 58 @6592 has 10 MA's), (91, 6649), (105, 6712), (111, 6742), (132, 6805), (141, 6832), (201, 7000), (230, 7087), (239, 7126), (244, 7150), (249, 7168), (252, 7183), (254, 7189), (266, 7252), (306, 7324), (314, 7363), (329, 7429), (335, 7459), (342, 7504), (345, 7519), (346, 7522), (351, 7558), (360, 7606), (363, 7615), (369, 7642), (381, 7669), (391, 7714), (404, 7789), (410, 7819), (414, 7837), (433, 7876), (437, 7882), (450, 7897), (462, 7918), (464, 7924), (485, 7960), (493, 7993),

Gene: Schueller_8 Start: 4552, Stop: 6360, Start Num: 81

Candidate Starts for Schueller_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Scioto_14 Start: 6957, Stop: 8627, Start Num: 11

Candidate Starts for Scioto_14:

(Start: 11 @6957 has 93 MA's), (Start: 22 @7032 has 2 MA's), (29, 7053), (38, 7080), (82, 7167), (105, 7248), (111, 7278), (113, 7287), (139, 7362), (143, 7374), (154, 7410), (166, 7455), (197, 7527), (201, 7536), (237, 7647), (244, 7686), (246, 7695), (249, 7704), (251, 7716), (252, 7719), (254, 7725), (270, 7800), (302, 7848), (306, 7860), (332, 7980), (335, 7995), (342, 8040), (350, 8079), (357, 8130), (365, 8163), (368, 8175), (369, 8178), (381, 8205), (387, 8229), (400, 8307), (410, 8358), (420, 8388), (424, 8394), (452, 8451), (475, 8496),

Gene: Scoot17C_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Scoot17C_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Scrick_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Scrick_8:

(Start: 24 @4442 has 377 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Scumberland_21 Start: 8659, Stop: 10365, Start Num: 12

Candidate Starts for Scumberland_21:

(Start: 12 @8659 has 34 MA's), (Start: 14 @8668 has 13 MA's), (16, 8683), (55, 8782), (59, 8788), (97, 8893), (101, 8905), (127, 9004), (129, 9010), (150, 9076), (155, 9094), (170, 9148), (177, 9178), (197, 9217), (203, 9235), (204, 9244), (216, 9280), (236, 9343), (249, 9406), (256, 9433), (262, 9478),

(306, 9580), (307, 9583), (315, 9622), (320, 9640), (337, 9712), (349, 9778), (350, 9787), (355, 9826), (363, 9859), (371, 9892), (373, 9898), (383, 9928), (412, 10081), (418, 10096), (428, 10117), (429, 10120), (522, 10333),

Gene: Sedona_13 Start: 7991, Stop: 9613, Start Num: 11

Candidate Starts for Sedona_13:

(Start: 11 @7991 has 93 MA's), (72, 8150), (91, 8189), (105, 8252), (132, 8345), (141, 8372), (153, 8411), (201, 8540), (218, 8600), (240, 8669), (244, 8690), (249, 8708), (252, 8723), (254, 8729), (266, 8792), (302, 8852), (306, 8864), (314, 8903), (317, 8915), (320, 8924), (325, 8957), (329, 8969), (335, 8999), (342, 9044), (345, 9059), (346, 9062), (351, 9098), (360, 9146), (363, 9155), (369, 9182), (410, 9359), (433, 9416), (437, 9422), (450, 9437), (462, 9458), (464, 9464), (485, 9500), (492, 9527),

Gene: Sejanus_7 Start: 4088, Stop: 6055, Start Num: 20

Candidate Starts for Sejanus_7:

(Start: 20 @4088 has 6 MA's), (Start: 24 @4106 has 377 MA's), (63, 4184), (72, 4214), (80, 4232), (114, 4355), (150, 4451), (153, 4460), (167, 4511), (201, 4610), (212, 4655), (234, 4715), (236, 4724), (244, 4769), (250, 4790), (261, 4847), (264, 4865), (287, 4946), (293, 4967), (298, 4979), (301, 4988), (305, 5000), (316, 5051), (317, 5054), (326, 5087), (341, 5165), (343, 5177), (349, 5201), (359, 5273), (360, 5276), (386, 5357), (404, 5456), (409, 5486), (427, 5537), (530, 5771), (553, 5837), (555, 5846), (566, 5882), (570, 5906), (590, 5984), (594, 5996), (616, 6047), (617, 6050),

Gene: Selr12_8 Start: 4552, Stop: 6360, Start Num: 81

Candidate Starts for Selr12_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Selwyn23_21 Start: 8668, Stop: 10344, Start Num: 12

Candidate Starts for Selwyn23_21:

(Start: 12 @8668 has 34 MA's), (Start: 14 @8677 has 13 MA's), (16, 8692), (55, 8791), (59, 8797), (97, 8902), (101, 8914), (127, 9013), (129, 9019), (133, 9031), (150, 9085), (155, 9103), (170, 9157), (177, 9187), (197, 9226), (203, 9244), (204, 9253), (216, 9289), (236, 9352), (249, 9415), (256, 9442), (306, 9589), (307, 9592), (315, 9631), (320, 9649), (337, 9721), (349, 9787), (350, 9796), (363, 9868), (371, 9901), (373, 9907), (383, 9937), (386, 9952), (412, 10090), (418, 10105), (428, 10126), (429, 10129),

Gene: Serendipitous_10 Start: 6747, Stop: 8612, Start Num: 24

Candidate Starts for Serendipitous_10:

(Start: 24 @6747 has 377 MA's), (Start: 31 @6762 has 11 MA's), (97, 6900), (104, 6912), (117, 6972), (144, 7044), (168, 7119), (170, 7125), (216, 7236), (220, 7251), (226, 7263), (236, 7290), (263, 7428), (267, 7446), (288, 7506), (326, 7644), (334, 7680), (341, 7722), (343, 7734), (355, 7809), (360, 7833), (368, 7866), (372, 7878), (375, 7890), (386, 7914), (427, 8094), (432, 8112), (539, 8334), (565, 8436), (594, 8553),

Gene: Serendipity_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Serendipity_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Serpentine_008 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Serpentine_008:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Shatter_8 Start: 5351, Stop: 7141, Start Num: 45

Candidate Starts for Shatter_8:

(Start: 24 @5303 has 377 MA's), (Start: 45 @5351 has 2 MA's), (Start: 86 @5417 has 2 MA's), (97, 5459), (138, 5591), (164, 5654), (170, 5672), (234, 5825), (236, 5834), (244, 5879), (252, 5912), (262, 5969), (263, 5972), (267, 5990), (273, 6023), (284, 6050), (316, 6161), (320, 6173), (322, 6188), (341, 6275), (343, 6287), (355, 6362), (360, 6386), (369, 6422), (371, 6428), (372, 6431), (373, 6434), (386, 6467), (537, 6866), (538, 6869), (539, 6872), (556, 6941), (559, 6947), (566, 6968), (575, 7004), (587, 7049), (590, 7070), (598, 7094), (603, 7106), (609, 7118), (611, 7121),

Gene: Sheila_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Sheila_8:

(Start: 24 @4439 has 377 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: ShiVal_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for ShiVal_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Shinji_12 Start: 5456, Stop: 7042, Start Num: 11

Candidate Starts for Shinji_12:

(Start: 11 @5456 has 93 MA's), (42, 5570), (113, 5738), (154, 5858), (158, 5876), (163, 5891), (222, 6041), (235, 6071), (246, 6131), (247, 6134), (258, 6173), (270, 6245), (306, 6305), (307, 6308), (308, 6311), (315, 6347), (317, 6356), (319, 6362), (320, 6365), (335, 6428), (342, 6473), (349, 6503), (355, 6551), (369, 6608), (375, 6629), (381, 6635), (386, 6656), (387, 6659), (392, 6686), (400, 6737), (410, 6785),

Gene: Shivanishola_12 Start: 7199, Stop: 8818, Start Num: 11

Candidate Starts for Shivanishola_12:

(Start: 11 @7199 has 93 MA's), (72, 7358), (91, 7397), (105, 7460), (132, 7553), (141, 7580), (153, 7619), (201, 7748), (218, 7808), (240, 7877), (244, 7898), (249, 7916), (252, 7931), (254, 7937), (266, 8000), (306, 8072), (314, 8111), (317, 8123), (320, 8132), (325, 8165), (329, 8177), (335, 8207), (342, 8252), (345, 8267), (346, 8270), (351, 8306), (360, 8354), (363, 8363), (369, 8390), (410, 8567), (433, 8624), (437, 8630), (450, 8645), (462, 8666), (464, 8672), (485, 8708), (492, 8735),

Gene: Shotgun_19 Start: 8297, Stop: 9973, Start Num: 12

Candidate Starts for Shotgun_19:

(Start: 12 @8297 has 34 MA's), (Start: 14 @8306 has 13 MA's), (55, 8420), (59, 8426), (97, 8531), (101, 8543), (127, 8642), (129, 8648), (133, 8660), (150, 8714), (155, 8732), (170, 8786), (177, 8816), (197, 8855), (203, 8873), (204, 8882), (216, 8918), (236, 8981), (249, 9044), (256, 9071), (306, 9218), (307, 9221), (315, 9260), (320, 9278), (337, 9350), (349, 9416), (350, 9425), (363, 9497), (371, 9530), (373, 9536), (383, 9566), (386, 9581), (412, 9719), (418, 9734), (428, 9755), (429, 9758),

Gene: Sigman_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Sigman_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: SilentRX_18 Start: 8516, Stop: 10414, Start Num: 43

Candidate Starts for SilentRX_18:

(Start: 43 @8516 has 7 MA's), (Start: 81 @8603 has 4 MA's), (85, 8612), (95, 8645), (119, 8741), (148, 8786), (161, 8834), (168, 8858), (232, 9029), (233, 9032), (247, 9101), (262, 9179), (265, 9188), (267, 9200), (299, 9272), (303, 9284), (306, 9293), (315, 9335), (329, 9386), (336, 9419), (342, 9461), (343, 9467), (346, 9479), (391, 9701), (401, 9767), (410, 9809), (504, 10058), (535, 10115), (548, 10166), (585, 10301), (606, 10376), (611, 10388),

Gene: Sillytadpoles_22 Start: 8128, Stop: 9954, Start Num: 46

Candidate Starts for Sillytadpoles_22:

(Start: 46 @8128 has 35 MA's), (104, 8278), (150, 8413), (161, 8452), (189, 8530), (200, 8548), (249, 8698), (252, 8713), (262, 8770), (278, 8839), (299, 8887), (302, 8896), (335, 9031), (342, 9076), (343, 9082), (346, 9094), (355, 9154), (391, 9283), (392, 9289), (396, 9316), (416, 9415), (433, 9460), (534, 9655), (545, 9691), (547, 9709), (560, 9754),

Gene: Simielle_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Simielle_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: SirJeffery_10 Start: 6695, Stop: 8560, Start Num: 24

Candidate Starts for SirJeffery_10:

(Start: 24 @6695 has 377 MA's), (Start: 31 @6710 has 11 MA's), (55, 6752), (97, 6848), (104, 6860), (162, 7046), (165, 7058), (168, 7067), (216, 7184), (220, 7199), (236, 7238), (263, 7376), (267, 7394), (288, 7454), (326, 7592), (334, 7628), (341, 7670), (343, 7682), (355, 7757), (360, 7781), (368, 7814), (372, 7826), (375, 7838), (386, 7862), (427, 8042), (432, 8060), (513, 8240), (527, 8261), (539, 8282), (565, 8384), (581, 8444), (616, 8552), (617, 8555),

Gene: Sisko_7 Start: 5107, Stop: 6948, Start Num: 24

Candidate Starts for Sisko_7:

(Start: 24 @5107 has 377 MA's), (Start: 86 @5221 has 2 MA's), (97, 5263), (114, 5326), (164, 5458), (170, 5476), (200, 5530), (204, 5551), (244, 5683), (252, 5716), (262, 5773), (263, 5776), (267, 5794), (277, 5845), (286, 5866), (316, 5974), (320, 5986), (341, 6088), (369, 6235), (372, 6244), (390, 6301), (495, 6580), (531, 6667), (537, 6673), (556, 6748), (559, 6754), (566, 6775), (587, 6856), (594, 6889), (598, 6901), (609, 6925), (611, 6928),

Gene: Sitar_13 Start: 7365, Stop: 8987, Start Num: 11

Candidate Starts for Sitar_13:

(Start: 11 @7365 has 93 MA's), (72, 7524), (91, 7563), (105, 7626), (141, 7746), (153, 7785), (197, 7905), (201, 7914), (218, 7974), (240, 8043), (244, 8064), (249, 8082), (252, 8097), (254, 8103), (266, 8166), (302, 8226), (306, 8238), (314, 8277), (317, 8289), (320, 8298), (325, 8331), (329, 8343), (335, 8373), (342, 8418), (345, 8433), (346, 8436), (351, 8472), (360, 8520), (363, 8529), (369, 8556), (410, 8733), (433, 8790), (437, 8796), (450, 8811), (462, 8832), (464, 8838), (485, 8874), (492, 8901),

Gene: Sixama_72 Start: 30011, Stop: 31756, Start Num: 24

Candidate Starts for Sixama_72:

(Start: 24 @30011 has 377 MA's), (26, 30017), (28, 30020), (64, 30098), (112, 30251), (127, 30299), (184, 30497), (244, 30740), (245, 30743), (249, 30758), (251, 30770), (257, 30788), (260, 30815), (265, 30836), (267, 30848), (326, 31019), (335, 31058), (343, 31109), (349, 31133), (361, 31208), (362, 31211), (367, 31235), (435, 31505), (468, 31574), (502, 31685), (527, 31733),

Gene: Skippy_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Skippy_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Slatt_8 Start: 4443, Stop: 6362, Start Num: 24

Candidate Starts for Slatt_8:

(Start: 24 @4443 has 377 MA's), (Start: 31 @4458 has 11 MA's), (Start: 81 @4554 has 4 MA's), (87, 4569), (116, 4680), (161, 4812), (168, 4836), (170, 4842), (172, 4854), (176, 4866), (235, 5031), (260, 5157), (261, 5160), (262, 5172), (265, 5181), (267, 5193), (286, 5256), (289, 5265), (301, 5301), (307, 5319), (310, 5328), (320, 5376), (340, 5472), (341, 5478), (349, 5514), (355, 5562), (360, 5586), (407, 5781), (438, 5874), (549, 6126), (584, 6261), (594, 6303), (598, 6315),

Gene: SlippinJimmy_11 Start: 7076, Stop: 8980, Start Num: 24

Candidate Starts for SlippinJimmy_11:

(Start: 24 @7076 has 377 MA's), (32, 7103), (80, 7184), (99, 7247), (116, 7313), (127, 7346), (164, 7454), (192, 7544), (215, 7622), (236, 7679), (246, 7733), (262, 7814), (267, 7835), (272, 7862), (295, 7913), (297, 7922), (301, 7931), (341, 8108), (343, 8120), (355, 8195), (360, 8219), (365, 8240), (391, 8324), (418, 8462), (427, 8480), (438, 8507), (454, 8531), (531, 8696), (538, 8705), (566, 8810), (567, 8819), (575, 8846), (598, 8936), (599, 8939), (609, 8960), (616, 8972),

Gene: Smarties_28 Start: 10100, Stop: 11824, Start Num: 12

Candidate Starts for Smarties_28:

(Start: 12 @10100 has 34 MA's), (Start: 14 @10109 has 13 MA's), (59, 10229), (97, 10334), (101, 10346), (127, 10445), (150, 10517), (155, 10535), (214, 10715), (216, 10721), (223, 10745), (236, 10784), (249, 10847), (256, 10874), (262, 10919), (306, 11021), (307, 11024), (315, 11063), (317, 11072), (329, 11114), (337, 11153), (349, 11219), (350, 11228), (351, 11243), (355, 11267), (371, 11333), (373, 11339), (383, 11366), (412, 11519), (419, 11537), (435, 11579), (446, 11603), (460, 11624), (487, 11660), (532, 11801), (536, 11813),

Gene: SmokingBunny_12 Start: 5434, Stop: 7020, Start Num: 11

Candidate Starts for SmokingBunny_12:

(Start: 11 @5434 has 93 MA's), (107, 5686), (113, 5716), (153, 5833), (158, 5854), (163, 5869), (233, 6043), (242, 6085), (246, 6109), (247, 6112), (258, 6151), (270, 6223), (306, 6283), (307, 6286), (308, 6289), (315, 6325), (317, 6334), (319, 6340), (320, 6343), (335, 6406), (342, 6451), (349, 6481), (355,

6529), (369, 6586), (375, 6607), (386, 6634), (387, 6637), (392, 6664), (400, 6715), (410, 6763),

Gene: Soile_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for Soile_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Solosis_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Solosis_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Soos_37 Start: 17429, Stop: 19387, Start Num: 22

Candidate Starts for Soos_37:

(Start: 22 @17429 has 2 MA's), (35, 17474), (67, 17525), (77, 17552), (139, 17741), (204, 17900), (236, 17993), (251, 18068), (265, 18137), (267, 18149), (268, 18155), (289, 18257), (300, 18290), (317, 18362), (318, 18365), (326, 18395), (335, 18434), (350, 18518), (385, 18662), (386, 18665), (392, 18695), (411, 18803), (425, 18839), (428, 18848), (496, 18983), (530, 19064), (542, 19097), (564, 19187), (605, 19340), (621, 19379),

Gene: Sophia_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Sophia_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Soto_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Soto_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Sour_11 Start: 6964, Stop: 8784, Start Num: 24

Candidate Starts for Sour_11:

(Start: 24 @6964 has 377 MA's), (Start: 86 @7078 has 2 MA's), (97, 7120), (108, 7153), (114, 7183), (138, 7252), (164, 7315), (170, 7333), (174, 7351), (234, 7486), (244, 7540), (247, 7552), (252, 7573), (262, 7630), (263, 7633), (265, 7639), (267, 7651), (316, 7828), (320, 7840), (322, 7855), (341, 7942), (343, 7954), (355, 8029), (369, 8089), (390, 8155), (394, 8176), (459, 8365), (530, 8509), (538, 8521), (556, 8593), (559, 8599), (566, 8620), (567, 8629), (570, 8644), (590, 8722), (594, 8734), (609, 8770), (611, 8773),

Gene: Spartan300_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Spartan300_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Squash_24 Start: 9156, Stop: 10982, Start Num: 46

Candidate Starts for Squash_24:

(Start: 46 @9156 has 35 MA's), (150, 9441), (161, 9480), (189, 9558), (200, 9576), (249, 9726), (252, 9741), (262, 9798), (278, 9867), (299, 9915), (302, 9924), (335, 10059), (342, 10104), (343, 10110), (346, 10122), (355, 10182), (391, 10311), (392, 10317), (396, 10344), (416, 10443), (433, 10488), (534, 10683), (545, 10719), (547, 10737), (560, 10782), (602, 10938),

Gene: Squid_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Squid_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Squiggle_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Squiggle_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: StAugustine_15 Start: 9397, Stop: 11364, Start Num: 24

Candidate Starts for StAugustine_15:

(Start: 24 @9397 has 377 MA's), (72, 9490), (Start: 86 @9523 has 2 MA's), (97, 9565), (116, 9634), (165, 9784), (196, 9865), (201, 9877), (244, 10030), (265, 10129), (267, 10141), (295, 10234), (312, 10297), (316, 10315), (317, 10318), (341, 10429), (347, 10456), (359, 10537), (360, 10540), (386, 10621), (444, 10840), (526, 11059), (528, 11071), (537, 11083), (549, 11122), (556, 11158), (561, 11170), (566, 11185), (580, 11239), (587, 11266), (607, 11335), (611, 11344),

Gene: Sting_40 Start: 17868, Stop: 19826, Start Num: 22

Candidate Starts for Sting_40:

(Start: 22 @17868 has 2 MA's), (35, 17913), (67, 17964), (77, 17991), (139, 18180), (204, 18339), (236, 18432), (251, 18507), (265, 18576), (267, 18588), (268, 18594), (289, 18696), (300, 18729), (317, 18801), (318, 18804), (326, 18834), (335, 18873), (350, 18957), (385, 19101), (386, 19104), (392, 19134), (411, 19242), (425, 19278), (428, 19287), (496, 19422), (542, 19536), (558, 19605), (564, 19626), (605, 19779), (621, 19818),

Gene: Stinger_7 Start: 5191, Stop: 7080, Start Num: 24

Candidate Starts for Stinger_7:

(Start: 24 @5191 has 377 MA's), (72, 5272), (85, 5302), (88, 5311), (99, 5353), (104, 5362), (117, 5422), (150, 5509), (153, 5518), (170, 5578), (194, 5638), (204, 5674), (233, 5752), (234, 5755), (244, 5809), (247, 5821), (262, 5899), (263, 5902), (286, 5974), (289, 5983), (320, 6094), (322, 6109), (334, 6154), (341, 6196), (343, 6208), (359, 6304), (360, 6307), (362, 6313), (368, 6340), (370, 6346), (386, 6388), (428, 6571), (441, 6598), (479, 6661), (526, 6769), (527, 6772), (528, 6775), (537, 6787), (547, 6829), (549, 6835), (565, 6895), (566, 6898), (567, 6907), (594, 7021), (605, 7051), (616, 7072),

Gene: StinkyVeggy_11 Start: 6863, Stop: 8728, Start Num: 24

Candidate Starts for StinkyVeggy_11:

(Start: 24 @6863 has 377 MA's), (Start: 31 @6878 has 11 MA's), (97, 7016), (162, 7214), (165, 7226), (168, 7235), (216, 7352), (220, 7367), (236, 7406), (263, 7544), (267, 7562), (326, 7760), (334, 7796), (341, 7838), (355, 7925), (360, 7949), (368, 7982), (372, 7994), (375, 8006), (386, 8030), (427, 8210), (432, 8228), (513, 8408), (527, 8429), (539, 8450), (565, 8552), (581, 8612), (616, 8720), (617, 8723),

Gene: StorminNorm_12 Start: 6275, Stop: 7903, Start Num: 11

Candidate Starts for StorminNorm_12:

(Start: 11 @6275 has 93 MA's), (42, 6398), (Start: 58 @6419 has 10 MA's), (91, 6476), (105, 6539), (111, 6569), (132, 6632), (141, 6659), (201, 6827), (230, 6914), (239, 6953), (244, 6977), (249, 6995), (252, 7010), (254, 7016), (266, 7079), (306, 7151), (314, 7190), (329, 7256), (335, 7286), (342, 7331), (345, 7346), (346, 7349), (351, 7385), (360, 7433), (363, 7442), (369, 7469), (381, 7496), (391, 7541), (400, 7598), (404, 7616), (410, 7646), (414, 7664), (433, 7703), (437, 7709), (450, 7724), (462, 7745), (464, 7751), (485, 7787), (493, 7820),

Gene: StrawberryJamm_24 Start: 8430, Stop: 10256, Start Num: 46

Candidate Starts for StrawberryJamm_24:

(Start: 46 @8430 has 35 MA's), (104, 8580), (150, 8715), (161, 8754), (189, 8832), (200, 8850), (249, 9000), (252, 9015), (262, 9072), (278, 9141), (299, 9189), (302, 9198), (335, 9333), (342, 9378), (343, 9384), (346, 9396), (355, 9456), (391, 9585), (392, 9591), (396, 9618), (416, 9717), (433, 9762), (534, 9957), (545, 9993), (547, 10011), (560, 10056),

Gene: Struggle_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Struggle_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Stultus_12 Start: 7189, Stop: 8811, Start Num: 11

Candidate Starts for Stultus_12:

(Start: 11 @7189 has 93 MA's), (72, 7348), (91, 7387), (105, 7450), (132, 7543), (141, 7570), (153, 7609), (201, 7738), (218, 7798), (224, 7813), (240, 7867), (244, 7888), (249, 7906), (252, 7921), (254, 7927), (266, 7990), (302, 8050), (306, 8062), (314, 8101), (317, 8113), (320, 8122), (325, 8155), (329, 8167), (335, 8197), (342, 8242), (345, 8257), (346, 8260), (351, 8296), (360, 8344), (363, 8353), (369, 8380), (410, 8557), (433, 8614), (437, 8620), (450, 8635), (462, 8656), (464, 8662), (485, 8698), (492, 8725),

Gene: Suffolk_8 Start: 4440, Stop: 6359, Start Num: 24

Candidate Starts for Suffolk_8:

(Start: 24 @4440 has 377 MA's), (Start: 31 @4455 has 11 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Suigeneris_10 Start: 6695, Stop: 8560, Start Num: 24

Candidate Starts for Suigeneris_10:

(Start: 24 @6695 has 377 MA's), (Start: 31 @6710 has 11 MA's), (55, 6752), (97, 6848), (104, 6860), (162, 7046), (165, 7058), (168, 7067), (216, 7184), (220, 7199), (236, 7238), (263, 7376), (267, 7394),

(288, 7454), (326, 7592), (334, 7628), (341, 7670), (343, 7682), (355, 7757), (360, 7781), (368, 7814), (372, 7826), (375, 7838), (386, 7862), (427, 8042), (432, 8060), (513, 8240), (527, 8261), (539, 8282), (565, 8384), (581, 8444), (616, 8552), (617, 8555),

Gene: Surely_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Surely_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Swiphy_8 Start: 4552, Stop: 6360, Start Num: 81

Candidate Starts for Swiphy_8:

(Start: 24 @4441 has 377 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Swish_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Swish_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: SynergyX_11 Start: 6315, Stop: 8219, Start Num: 24

Candidate Starts for SynergyX_11:

(Start: 24 @6315 has 377 MA's), (32, 6342), (80, 6423), (99, 6486), (116, 6552), (127, 6585), (164, 6693), (192, 6783), (215, 6861), (236, 6918), (246, 6972), (262, 7053), (267, 7074), (272, 7101), (295, 7152), (297, 7161), (301, 7170), (341, 7347), (343, 7359), (355, 7434), (360, 7458), (365, 7479), (391, 7563), (418, 7701), (427, 7719), (438, 7746), (454, 7770), (538, 7944), (566, 8049), (567, 8058), (575, 8085), (598, 8175), (609, 8199), (616, 8211),

Gene: TA17A_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for TA17A_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (186, 8172), (195, 8193), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: TP1604_10 Start: 8087, Stop: 9889, Start Num: 58

Candidate Starts for TP1604_10:

(Start: 58 @8087 has 10 MA's), (105, 8213), (110, 8234), (112, 8246), (130, 8294), (150, 8333), (162, 8375), (170, 8402), (200, 8471), (204, 8492), (208, 8513), (233, 8591), (235, 8597), (236, 8603), (258, 8699), (265, 8747), (305, 8825), (315, 8870), (317, 8879), (326, 8912), (329, 8921), (334, 8948), (356, 9080), (438, 9377), (467, 9413), (486, 9458), (497, 9503), (514, 9548), (541, 9599), (552, 9650), (559,

9668), (570, 9716), (592, 9803), (602, 9833), (612, 9860), (618, 9878),

Gene: TPA2_17 Start: 7975, Stop: 9807, Start Num: 24

Candidate Starts for TPA2_17:

(Start: 24 @7975 has 377 MA's), (51, 8026), (65, 8044), (97, 8143), (114, 8203), (147, 8272), (150, 8284), (170, 8353), (175, 8374), (176, 8377), (207, 8434), (234, 8506), (236, 8515), (252, 8593), (262, 8650), (263, 8653), (265, 8659), (267, 8671), (283, 8719), (301, 8758), (320, 8833), (326, 8857), (334, 8893), (343, 8947), (352, 9001), (355, 9019), (358, 9034), (368, 9076), (372, 9088), (386, 9124), (399, 9202), (458, 9361), (526, 9523), (537, 9532), (538, 9535), (539, 9538), (559, 9613), (566, 9634), (567, 9643), (570, 9658), (571, 9661), (587, 9715), (590, 9736), (594, 9748), (598, 9760), (603, 9772), (604, 9775),

Gene: Talia1610_80 Start: 33060, Stop: 34739, Start Num: 27

Candidate Starts for Talia1610_80:

(Start: 25 @33054 has 1 MA's), (27, 33060), (70, 33165), (110, 33288), (112, 33300), (155, 33423), (236, 33675), (244, 33720), (252, 33753), (288, 33876), (291, 33885), (294, 33897), (306, 33933), (349, 34131), (359, 34200), (431, 34485), (462, 34551), (464, 34557), (511, 34683), (516, 34692), (530, 34728),

Gene: TallGrassMM_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for TallGrassMM_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Tangent_10 Start: 6017, Stop: 7639, Start Num: 11

Candidate Starts for Tangent_10:

(Start: 11 @6017 has 93 MA's), (72, 6176), (91, 6215), (105, 6278), (132, 6371), (141, 6398), (153, 6437), (197, 6557), (201, 6566), (218, 6626), (240, 6695), (244, 6716), (249, 6734), (252, 6749), (254, 6755), (266, 6818), (302, 6878), (306, 6890), (314, 6929), (317, 6941), (320, 6950), (329, 6995), (335, 7025), (342, 7070), (345, 7085), (346, 7088), (351, 7124), (360, 7172), (363, 7181), (369, 7208), (410, 7385), (433, 7442), (437, 7448), (450, 7463), (462, 7484), (464, 7490), (485, 7526), (492, 7553),

Gene: Tangerine_12 Start: 6284, Stop: 7912, Start Num: 11

Candidate Starts for Tangerine_12:

(Start: 11 @6284 has 93 MA's), (42, 6407), (Start: 58 @6428 has 10 MA's), (91, 6485), (105, 6548), (111, 6578), (132, 6641), (141, 6668), (201, 6836), (230, 6923), (239, 6962), (244, 6986), (249, 7004), (252, 7019), (254, 7025), (266, 7088), (306, 7160), (314, 7199), (329, 7265), (335, 7295), (342, 7340), (345, 7355), (346, 7358), (351, 7394), (360, 7442), (363, 7451), (369, 7478), (381, 7505), (391, 7550), (400, 7607), (404, 7625), (410, 7655), (414, 7673), (433, 7712), (437, 7718), (450, 7733), (462, 7754), (464, 7760), (485, 7796), (493, 7829),

Gene: Tank_17 Start: 8380, Stop: 10260, Start Num: 43

Candidate Starts for Tank_17:

(Start: 43 @8380 has 7 MA's), (47, 8389), (Start: 81 @8464 has 4 MA's), (96, 8512), (111, 8572), (119, 8602), (161, 8695), (204, 8815), (223, 8872), (232, 8887), (242, 8932), (265, 9046), (267, 9058), (299, 9133), (303, 9145), (306, 9154), (307, 9157), (314, 9193), (329, 9247), (342, 9322), (346, 9340), (380, 9493), (382, 9499), (384, 9505), (387, 9520), (391, 9541), (410, 9649), (423, 9688), (433, 9718), (504, 9895), (546, 9997), (575, 10096), (585, 10138), (606, 10213), (611, 10225),

Gene: Taptic_6 Start: 3328, Stop: 5202, Start Num: 20

Candidate Starts for Taptic_6:

(Start: 20 @3328 has 6 MA's), (Start: 24 @3346 has 377 MA's), (Start: 56 @3403 has 2 MA's), (108, 3541), (114, 3571), (134, 3625), (170, 3736), (212, 3865), (234, 3922), (236, 3931), (244, 3976), (249, 3994), (264, 4072), (265, 4075), (301, 4159), (309, 4183), (313, 4207), (341, 4336), (343, 4348), (349, 4372), (355, 4423), (368, 4480), (372, 4492), (411, 4666), (438, 4735), (556, 4987), (594, 5128), (598, 5140), (617, 5182),

Gene: Tardus_14 Start: 5997, Stop: 7670, Start Num: 11

Candidate Starts for Tardus_14:

(Start: 11 @5997 has 93 MA's), (Start: 22 @6072 has 2 MA's), (38, 6120), (82, 6207), (105, 6288), (111, 6318), (154, 6450), (166, 6495), (197, 6567), (201, 6576), (237, 6687), (244, 6726), (249, 6744), (251, 6756), (252, 6759), (254, 6765), (270, 6840), (306, 6900), (332, 7020), (335, 7035), (342, 7080), (350, 7119), (357, 7170), (365, 7203), (368, 7215), (369, 7218), (381, 7245), (387, 7269), (400, 7347), (410, 7398), (420, 7428), (424, 7434), (452, 7491), (475, 7536),

Gene: Teamocil_20 Start: 7583, Stop: 9301, Start Num: 12

Candidate Starts for Teamocil_20:

(Start: 12 @7583 has 34 MA's), (Start: 14 @7592 has 13 MA's), (59, 7712), (97, 7817), (101, 7829), (127, 7928), (133, 7946), (150, 8000), (155, 8018), (169, 8069), (173, 8093), (191, 8123), (202, 8153), (203, 8159), (204, 8168), (216, 8204), (236, 8267), (249, 8330), (256, 8357), (262, 8402), (306, 8504), (307, 8507), (317, 8555), (320, 8564), (329, 8597), (337, 8636), (349, 8702), (350, 8711), (351, 8726), (353, 8735), (355, 8750), (357, 8762), (363, 8783), (371, 8816), (373, 8822), (383, 8852), (392, 8897), (412, 9005), (423, 9029), (435, 9065), (436, 9068), (446, 9089), (460, 9110), (515, 9245), (522, 9257), (531, 9284),

Gene: Teehee_23 Start: 9365, Stop: 11191, Start Num: 46

Candidate Starts for Teehee_23:

(Start: 46 @9365 has 35 MA's), (104, 9515), (150, 9650), (161, 9689), (189, 9767), (200, 9785), (249, 9935), (252, 9950), (262, 10007), (278, 10076), (299, 10124), (302, 10133), (335, 10268), (342, 10313), (343, 10319), (346, 10331), (355, 10391), (391, 10520), (392, 10526), (396, 10553), (416, 10652), (433, 10697), (534, 10892), (545, 10928), (547, 10946), (560, 10991),

Gene: Telesworld_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Telesworld_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Tempo_21 Start: 7770, Stop: 9569, Start Num: 46

Candidate Starts for Tempo_21:

(Start: 46 @7770 has 35 MA's), (89, 7869), (147, 8034), (161, 8085), (170, 8115), (200, 8181), (271, 8448), (285, 8493), (314, 8580), (326, 8625), (334, 8661), (342, 8709), (343, 8715), (346, 8727), (351, 8763), (355, 8787), (391, 8922), (410, 9030), (415, 9051), (448, 9132), (455, 9141), (522, 9252), (534, 9270), (545, 9306), (561, 9372), (577, 9441), (588, 9474), (611, 9549),

Gene: Terij_13 Start: 6017, Stop: 7762, Start Num: 14

Candidate Starts for Terij_13:

(Start: 12 @6008 has 34 MA's), (Start: 14 @6017 has 13 MA's), (39, 6098), (52, 6119), (71, 6155), (77, 6170), (97, 6233), (101, 6245), (102, 6254), (127, 6344), (170, 6488), (183, 6539), (197, 6584), (201, 6593), (212, 6632), (224, 6668), (231, 6689), (234, 6695), (236, 6704), (249, 6767), (256, 6794), (306, 6941), (315, 6983), (317, 6992), (320, 7001), (324, 7016), (329, 7034), (337, 7073), (349, 7139),

(350, 7148), (353, 7172), (354, 7184), (355, 7187), (373, 7259), (386, 7310), (389, 7325), (399, 7388), (419, 7469), (428, 7487), (460, 7556), (461, 7559), (484, 7604),

Gene: Thing3_13 Start: 7104, Stop: 8729, Start Num: 11

Candidate Starts for Thing3_13:

(Start: 11 @7104 has 93 MA's), (72, 7263), (91, 7302), (105, 7365), (141, 7485), (153, 7524), (201, 7653), (218, 7713), (240, 7782), (244, 7803), (249, 7821), (252, 7836), (254, 7842), (266, 7905), (302, 7965), (306, 7977), (314, 8016), (317, 8028), (320, 8037), (325, 8070), (329, 8082), (335, 8112), (342, 8157), (345, 8172), (346, 8175), (351, 8211), (360, 8259), (363, 8268), (369, 8295), (410, 8472), (433, 8529), (437, 8535), (450, 8550), (462, 8571), (464, 8577), (485, 8613), (492, 8643),

Gene: Thonko_7 Start: 3729, Stop: 5618, Start Num: 24

Candidate Starts for Thonko_7:

(Start: 24 @3729 has 377 MA's), (55, 3795), (Start: 86 @3852 has 2 MA's), (97, 3897), (161, 4095), (172, 4137), (244, 4347), (246, 4356), (252, 4380), (262, 4437), (265, 4446), (267, 4458), (282, 4506), (295, 4539), (312, 4602), (320, 4632), (355, 4821), (427, 5106), (526, 5325), (537, 5343), (556, 5418), (566, 5445), (603, 5583),

Gene: Thora_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Thora_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: ThreeOh3D2_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for ThreeOh3D2_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Thunderbird_8 Start: 4551, Stop: 6359, Start Num: 81

Candidate Starts for Thunderbird_8:

(Start: 24 @4440 has 377 MA's), (Start: 81 @4551 has 4 MA's), (87, 4566), (116, 4677), (161, 4809), (168, 4833), (170, 4839), (172, 4851), (176, 4863), (235, 5028), (260, 5154), (261, 5157), (262, 5169), (265, 5178), (267, 5190), (286, 5253), (289, 5262), (301, 5298), (307, 5316), (310, 5325), (320, 5373), (340, 5469), (341, 5475), (349, 5511), (355, 5559), (360, 5583), (407, 5778), (438, 5871), (549, 6123), (584, 6258), (594, 6300), (598, 6312),

Gene: Tiamoceli_14 Start: 6640, Stop: 8316, Start Num: 11

Candidate Starts for Tiamoceli_14:

(Start: 11 @6640 has 93 MA's), (Start: 14 @6673 has 13 MA's), (33, 6751), (60, 6805), (105, 6937), (111, 6967), (137, 7045), (143, 7063), (166, 7144), (197, 7216), (201, 7225), (218, 7285), (249, 7393), (251, 7405), (252, 7408), (254, 7414), (306, 7549), (307, 7552), (320, 7609), (335, 7684), (342, 7729), (346, 7747), (350, 7768), (355, 7807), (360, 7831), (365, 7852), (369, 7867), (387, 7918), (391, 7939), (410, 8044), (420, 8074), (432, 8098), (433, 8101), (475, 8179),

Gene: TillyBobJoe_12 Start: 5270, Stop: 6856, Start Num: 11

Candidate Starts for TillyBobJoe_12:

(Start: 11 @5270 has 93 MA's), (42, 5384), (113, 5552), (154, 5672), (158, 5690), (163, 5705), (222, 5855), (235, 5885), (246, 5945), (247, 5948), (258, 5987), (270, 6059), (306, 6119), (307, 6122), (308, 6125), (315, 6161), (317, 6170), (319, 6176), (320, 6179), (335, 6242), (342, 6287), (349, 6317), (355, 6365), (369, 6422), (375, 6443), (381, 6449), (386, 6470), (387, 6473), (392, 6500), (400, 6551), (410, 6599),

Gene: Timmi_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Timmi_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Tinciduntolum_13 Start: 7844, Stop: 9733, Start Num: 24

Candidate Starts for Tinciduntolum_13:

(Start: 24 @7844 has 377 MA's), (44, 7892), (Start: 56 @7916 has 2 MA's), (72, 7934), (Start: 86 @7967 has 2 MA's), (114, 8075), (144, 8159), (164, 8222), (174, 8258), (195, 8309), (200, 8321), (204, 8342), (234, 8420), (236, 8429), (244, 8474), (262, 8564), (263, 8567), (265, 8573), (267, 8585), (270, 8600), (272, 8612), (305, 8696), (312, 8729), (316, 8747), (329, 8792), (341, 8861), (343, 8873), (355, 8948), (360, 8972), (362, 8978), (368, 9005), (372, 9017), (374, 9023), (386, 9053), (387, 9056), (392, 9083), (403, 9149), (405, 9158), (427, 9233), (443, 9269), (471, 9314), (530, 9452), (531, 9455), (539, 9467), (562, 9554), (566, 9563), (567, 9572), (570, 9587), (580, 9617), (584, 9635), (588, 9650), (594, 9677), (598, 9689), (616, 9725),

Gene: Tissue_22 Start: 8939, Stop: 10765, Start Num: 46

Candidate Starts for Tissue_22:

(Start: 46 @8939 has 35 MA's), (104, 9089), (150, 9224), (161, 9263), (189, 9341), (200, 9359), (249, 9509), (252, 9524), (262, 9581), (278, 9650), (299, 9698), (302, 9707), (335, 9842), (342, 9887), (343, 9893), (346, 9905), (355, 9965), (391, 10094), (392, 10100), (396, 10127), (416, 10226), (433, 10271), (534, 10466), (545, 10502), (547, 10520), (560, 10565),

Gene: Togo_12 Start: 5434, Stop: 7020, Start Num: 11

Candidate Starts for Togo_12:

(Start: 11 @5434 has 93 MA's), (107, 5686), (113, 5716), (153, 5833), (158, 5854), (163, 5869), (233, 6043), (242, 6085), (246, 6109), (247, 6112), (258, 6151), (270, 6223), (306, 6283), (307, 6286), (308, 6289), (315, 6325), (317, 6334), (319, 6340), (320, 6343), (335, 6406), (342, 6451), (349, 6481), (355, 6529), (369, 6586), (375, 6607), (386, 6634), (387, 6637), (392, 6664), (400, 6715), (410, 6763),

Gene: TomBombadil_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for TomBombadil_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Tomlarah_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Tomlarah_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407,

5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Toni_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Toni_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Tonitrus_27 Start: 14379, Stop: 16331, Start Num: 22

Candidate Starts for Tonitrus_27:

(Start: 22 @14379 has 2 MA's), (40, 14427), (74, 14487), (84, 14514), (104, 14577), (107, 14595), (108, 14598), (161, 14748), (164, 14760), (170, 14778), (172, 14790), (190, 14829), (212, 14889), (244, 15000), (252, 15033), (263, 15093), (268, 15117), (298, 15270), (300, 15273), (303, 15285), (318, 15348), (335, 15417), (336, 15420), (350, 15501), (360, 15564), (368, 15597), (372, 15609), (374, 15615), (385, 15645), (392, 15678), (399, 15726), (403, 15744), (416, 15804), (465, 15900), (498, 15960), (548, 16083), (555, 16113), (564, 16149), (571, 16182), (575, 16191), (587, 16239), (589, 16251), (600, 16290), (614, 16320), (616, 16323),

Gene: Tooj_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Tooj_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Tres_12 Start: 7728, Stop: 9617, Start Num: 24

Candidate Starts for Tres_12:

(Start: 24 @7728 has 377 MA's), (44, 7776), (Start: 56 @7800 has 2 MA's), (72, 7818), (Start: 86 @7851 has 2 MA's), (114, 7959), (144, 8043), (164, 8106), (174, 8142), (195, 8193), (204, 8226), (234, 8304), (236, 8313), (244, 8358), (262, 8448), (263, 8451), (265, 8457), (267, 8469), (270, 8484), (272, 8496), (305, 8580), (312, 8613), (316, 8631), (329, 8676), (341, 8745), (343, 8757), (355, 8832), (360, 8856), (362, 8862), (368, 8889), (372, 8901), (374, 8907), (386, 8937), (387, 8940), (392, 8967), (403, 9033), (405, 9042), (427, 9117), (443, 9153), (471, 9198), (530, 9336), (531, 9339), (539, 9351), (562, 9438), (566, 9447), (567, 9456), (570, 9471), (580, 9501), (584, 9519), (588, 9534), (594, 9561), (598, 9573), (616, 9609),

Gene: True_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for True_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Trypo_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Trypo_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121),

(584, 6256), (594, 6298), (598, 6310),

Gene: TurkishDelight_11 Start: 6388, Stop: 8154, Start Num: 53

Candidate Starts for TurkishDelight_11:

(Start: 53 @6388 has 1 MA's), (112, 6565), (177, 6745), (179, 6748), (209, 6826), (217, 6850), (228, 6886), (236, 6916), (258, 7012), (265, 7060), (301, 7126), (303, 7132), (315, 7183), (334, 7261), (336, 7267), (349, 7339), (355, 7387), (357, 7399), (378, 7474), (386, 7495), (475, 7738), (554, 7936), (558, 7945), (615, 8143),

Gene: Twister6_12 Start: 5366, Stop: 6952, Start Num: 11

Candidate Starts for Twister6_12:

(Start: 11 @5366 has 93 MA's), (107, 5618), (113, 5648), (153, 5765), (158, 5786), (163, 5801), (233, 5975), (242, 6017), (246, 6041), (247, 6044), (258, 6083), (270, 6155), (306, 6215), (307, 6218), (308, 6221), (315, 6257), (317, 6266), (319, 6272), (320, 6275), (335, 6338), (342, 6383), (349, 6413), (355, 6461), (369, 6518), (375, 6539), (386, 6566), (387, 6569), (392, 6596), (400, 6647), (410, 6695),

Gene: Twonlo_11 Start: 5257, Stop: 6933, Start Num: 11

Candidate Starts for Twonlo_11:

(Start: 11 @5257 has 93 MA's), (Start: 14 @5290 has 13 MA's), (33, 5368), (60, 5422), (105, 5554), (111, 5584), (137, 5662), (143, 5680), (166, 5761), (197, 5833), (201, 5842), (218, 5902), (249, 6010), (251, 6022), (252, 6025), (254, 6031), (306, 6166), (307, 6169), (320, 6226), (335, 6301), (342, 6346), (346, 6364), (350, 6385), (355, 6424), (360, 6448), (365, 6469), (369, 6484), (387, 6535), (391, 6556), (410, 6661), (420, 6691), (432, 6715), (433, 6718), (475, 6796),

Gene: Tycho_12 Start: 6284, Stop: 7912, Start Num: 11

Candidate Starts for Tycho_12:

(Start: 11 @6284 has 93 MA's), (42, 6407), (Start: 58 @6428 has 10 MA's), (91, 6485), (105, 6548), (111, 6578), (132, 6641), (141, 6668), (197, 6827), (201, 6836), (230, 6923), (239, 6962), (244, 6986), (249, 7004), (252, 7019), (254, 7025), (266, 7088), (306, 7160), (314, 7199), (329, 7265), (335, 7295), (342, 7340), (345, 7355), (346, 7358), (351, 7394), (360, 7442), (363, 7451), (369, 7478), (381, 7505), (391, 7550), (404, 7625), (410, 7655), (414, 7673), (433, 7712), (437, 7718), (450, 7733), (462, 7754), (464, 7760), (485, 7796), (493, 7829),

Gene: Tydolla_11 Start: 7076, Stop: 8980, Start Num: 24

Candidate Starts for Tydolla_11:

(Start: 24 @7076 has 377 MA's), (32, 7103), (80, 7184), (99, 7247), (116, 7313), (127, 7346), (164, 7454), (192, 7544), (215, 7622), (236, 7679), (246, 7733), (262, 7814), (267, 7835), (272, 7862), (295, 7913), (297, 7922), (301, 7931), (341, 8108), (343, 8120), (355, 8195), (360, 8219), (365, 8240), (391, 8324), (418, 8462), (427, 8480), (438, 8507), (454, 8531), (531, 8696), (538, 8705), (566, 8810), (567, 8819), (575, 8846), (598, 8936), (609, 8960), (616, 8972),

Gene: TyrionL_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for TyrionL_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Tyrumbra_18 Start: 7432, Stop: 9117, Start Num: 14

Candidate Starts for Tyrumbra_18:

(Start: 12 @7423 has 34 MA's), (Start: 14 @7432 has 13 MA's), (59, 7555), (97, 7660), (101, 7672), (127, 7771), (150, 7843), (155, 7861), (191, 7966), (197, 7984), (202, 7996), (203, 8002), (204, 8011),

(216, 8047), (236, 8110), (249, 8173), (256, 8200), (262, 8245), (265, 8254), (290, 8296), (306, 8347), (307, 8350), (315, 8389), (317, 8398), (320, 8407), (329, 8440), (337, 8479), (349, 8545), (350, 8554), (351, 8569), (355, 8593), (371, 8659), (373, 8665), (383, 8692), (412, 8845), (429, 8884), (435, 8905), (460, 8950), (487, 8986), (488, 8992), (522, 9097),

Gene: UAch1_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for UAch1_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: UncleHowie_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for UncleHowie_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Usavi_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Usavi_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Vaishali24_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Vaishali24_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Valary_13 Start: 5819, Stop: 7405, Start Num: 11

Candidate Starts for Valary_13:

(Start: 11 @5819 has 93 MA's), (42, 5933), (98, 6035), (113, 6101), (124, 6134), (154, 6221), (158, 6239), (163, 6254), (235, 6434), (246, 6494), (247, 6497), (258, 6536), (270, 6608), (306, 6668), (307, 6671), (308, 6674), (315, 6710), (317, 6719), (319, 6725), (320, 6728), (335, 6791), (342, 6836), (349, 6866), (355, 6914), (369, 6971), (375, 6992), (386, 7019), (387, 7022), (392, 7049), (400, 7100), (410, 7148),

Gene: Valjean_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Valjean_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: VanDeWege_13 Start: 5747, Stop: 7333, Start Num: 11

Candidate Starts for VanDeWege_13:

(Start: 11 @5747 has 93 MA's), (42, 5861), (98, 5963), (113, 6029), (124, 6062), (154, 6149), (158, 6167), (163, 6182), (235, 6362), (246, 6422), (247, 6425), (258, 6464), (270, 6536), (306, 6596), (307, 6599), (308, 6602), (314, 6635), (315, 6638), (317, 6647), (319, 6653), (320, 6656), (335, 6719), (342, 6764), (349, 6794), (355, 6842), (369, 6899), (375, 6920), (386, 6947), (387, 6950), (392, 6977), (400, 7028), (410, 7076),

Gene: Vaticameos_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Vaticameos_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: Veritas_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Veritas_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Verity_14 Start: 7230, Stop: 8897, Start Num: 11

Candidate Starts for Verity_14:

(Start: 11 @7230 has 93 MA's), (Start: 22 @7305 has 2 MA's), (29, 7326), (38, 7353), (82, 7440), (105, 7521), (111, 7551), (143, 7647), (148, 7662), (154, 7683), (159, 7704), (166, 7728), (197, 7800), (201, 7809), (237, 7920), (239, 7935), (244, 7959), (249, 7977), (252, 7992), (254, 7998), (270, 8073), (306, 8133), (335, 8268), (342, 8313), (350, 8352), (357, 8403), (365, 8436), (368, 8448), (369, 8451), (373, 8463), (381, 8478), (387, 8502), (391, 8523), (400, 8580), (410, 8631), (420, 8661), (424, 8667), (452, 8724), (475, 8769), (492, 8817),

Gene: ViaConlectus_14 Start: 6957, Stop: 8627, Start Num: 11

Candidate Starts for ViaConlectus_14:

(Start: 11 @6957 has 93 MA's), (Start: 22 @7032 has 2 MA's), (29, 7053), (38, 7080), (82, 7167), (105, 7248), (111, 7278), (113, 7287), (139, 7362), (143, 7374), (154, 7410), (166, 7455), (197, 7527), (201, 7536), (237, 7647), (244, 7686), (246, 7695), (249, 7704), (251, 7716), (252, 7719), (254, 7725), (270, 7800), (302, 7848), (306, 7860), (332, 7980), (335, 7995), (342, 8040), (350, 8079), (357, 8130), (365, 8163), (368, 8175), (369, 8178), (381, 8205), (387, 8229), (400, 8307), (410, 8358), (420, 8388), (424, 8394), (452, 8451), (475, 8496),

Gene: Viceroy_21 Start: 8130, Stop: 9956, Start Num: 46

Candidate Starts for Viceroy_21:

(Start: 46 @8130 has 35 MA's), (104, 8280), (150, 8415), (161, 8454), (189, 8532), (200, 8550), (249, 8700), (252, 8715), (262, 8772), (278, 8841), (299, 8889), (302, 8898), (335, 9033), (342, 9078), (343, 9084), (346, 9096), (355, 9156), (391, 9285), (392, 9291), (396, 9318), (416, 9417), (433, 9462), (534, 9657), (545, 9693), (547, 9711), (560, 9756),

Gene: Vincenzo_10 Start: 7459, Stop: 9357, Start Num: 24

Candidate Starts for Vincenzo_10:

(Start: 24 @7459 has 377 MA's), (72, 7540), (99, 7621), (100, 7627), (114, 7681), (148, 7768), (153, 7786), (170, 7846), (175, 7867), (202, 7927), (234, 8023), (244, 8077), (262, 8167), (268, 8194), (286,

8245), (310, 8317), (320, 8365), (322, 8380), (334, 8425), (341, 8467), (360, 8578), (362, 8584), (368, 8611), (386, 8659), (428, 8842), (470, 8917), (517, 9037), (526, 9046), (527, 9049), (547, 9106), (549, 9112), (566, 9175), (567, 9184), (605, 9328), (616, 9349),

Gene: VioletZ_9 Start: 6748, Stop: 8637, Start Num: 24

Candidate Starts for VioletZ_9:

(Start: 24 @6748 has 377 MA's), (Start: 31 @6763 has 11 MA's), (79, 6844), (85, 6859), (99, 6910), (104, 6919), (114, 6970), (153, 7075), (170, 7135), (204, 7231), (233, 7309), (234, 7312), (236, 7321), (244, 7366), (262, 7456), (263, 7459), (288, 7537), (292, 7549), (320, 7651), (334, 7711), (341, 7753), (343, 7765), (355, 7840), (360, 7864), (362, 7870), (368, 7897), (370, 7903), (373, 7912), (386, 7945), (392, 7975), (517, 8317), (526, 8326), (527, 8329), (549, 8392), (565, 8452), (566, 8455), (567, 8464), (594, 8578), (613, 8623), (616, 8629),

Gene: Virapocalypse_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Virapocalypse_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Virgeve_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Virgeve_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Vista_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Vista_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Vivaldi_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Vivaldi_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Vivi2_11 Start: 6178, Stop: 7800, Start Num: 11

Candidate Starts for Vivi2_11:

(Start: 11 @6178 has 93 MA's), (72, 6337), (91, 6376), (105, 6439), (132, 6532), (141, 6559), (153, 6598), (201, 6727), (218, 6787), (240, 6856), (244, 6877), (249, 6895), (252, 6910), (254, 6916), (266, 6979), (302, 7039), (306, 7051), (314, 7090), (317, 7102), (320, 7111), (325, 7144), (329, 7156), (335, 7186), (342, 7231), (345, 7246), (346, 7249), (351, 7285), (360, 7333), (363, 7342), (369, 7369), (410, 7546), (433, 7603), (437, 7609), (450, 7624), (462, 7645), (464, 7651), (485, 7687), (492, 7714),

Gene: Vortex_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Vortex_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Waleliano_9 Start: 6748, Stop: 8637, Start Num: 24

Candidate Starts for Waleliano_9:

(Start: 24 @6748 has 377 MA's), (Start: 31 @6763 has 11 MA's), (79, 6844), (85, 6859), (99, 6910), (104, 6919), (114, 6970), (153, 7075), (170, 7135), (204, 7231), (233, 7309), (234, 7312), (236, 7321), (244, 7366), (262, 7456), (263, 7459), (288, 7537), (292, 7549), (316, 7639), (320, 7651), (334, 7711), (341, 7753), (343, 7765), (360, 7864), (362, 7870), (368, 7897), (370, 7903), (373, 7912), (386, 7945), (517, 8317), (526, 8326), (527, 8329), (549, 8392), (565, 8452), (566, 8455), (567, 8464), (594, 8578), (603, 8602), (616, 8629),

Gene: Wallhey_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Wallhey_8:

(Start: 24 @4438 has 377 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (176, 4861), (215, 4975), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (565, 6181), (584, 6256), (594, 6298), (598, 6310),

Gene: Waterdiva_8 Start: 4442, Stop: 6361, Start Num: 24

Candidate Starts for Waterdiva_8:

(Start: 24 @4442 has 377 MA's), (Start: 31 @4457 has 11 MA's), (Start: 81 @4553 has 4 MA's), (87, 4568), (116, 4679), (161, 4811), (168, 4835), (170, 4841), (172, 4853), (176, 4865), (235, 5030), (260, 5156), (261, 5159), (262, 5171), (265, 5180), (267, 5192), (286, 5255), (289, 5264), (301, 5300), (307, 5318), (310, 5327), (320, 5375), (340, 5471), (341, 5477), (349, 5513), (355, 5561), (360, 5585), (407, 5780), (438, 5873), (549, 6125), (584, 6260), (594, 6302), (598, 6314),

Gene: Wayne3_23 Start: 9095, Stop: 10921, Start Num: 46

Candidate Starts for Wayne3_23:

(Start: 46 @9095 has 35 MA's), (104, 9245), (150, 9380), (161, 9419), (189, 9497), (200, 9515), (249, 9665), (252, 9680), (262, 9737), (278, 9806), (299, 9854), (302, 9863), (335, 9998), (342, 10043), (343, 10049), (346, 10061), (355, 10121), (391, 10250), (392, 10256), (396, 10283), (416, 10382), (433, 10427), (534, 10622), (545, 10658), (547, 10676), (560, 10721),

Gene: Weher20_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for Weher20_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: West99_12 Start: 7845, Stop: 9734, Start Num: 24

Candidate Starts for West99_12:

(Start: 24 @7845 has 377 MA's), (44, 7893), (Start: 56 @7917 has 2 MA's), (72, 7935), (Start: 86 @7968 has 2 MA's), (114, 8076), (144, 8160), (164, 8223), (174, 8259), (195, 8310), (200, 8322), (204, 8343), (234, 8421), (236, 8430), (244, 8475), (262, 8565), (263, 8568), (265, 8574), (267, 8586),

(270, 8601), (272, 8613), (305, 8697), (312, 8730), (316, 8748), (329, 8793), (341, 8862), (343, 8874), (355, 8949), (360, 8973), (362, 8979), (368, 9006), (372, 9018), (374, 9024), (386, 9054), (387, 9057), (392, 9084), (403, 9150), (405, 9159), (427, 9234), (443, 9270), (471, 9315), (530, 9453), (531, 9456), (539, 9468), (562, 9555), (566, 9564), (567, 9573), (570, 9588), (580, 9618), (584, 9636), (588, 9651), (594, 9678), (598, 9690), (616, 9726),

Gene: Wheelie_21 Start: 8446, Stop: 10272, Start Num: 46

Candidate Starts for Wheelie_21:

(Start: 46 @8446 has 35 MA's), (104, 8596), (150, 8731), (161, 8770), (189, 8848), (200, 8866), (249, 9016), (252, 9031), (262, 9088), (278, 9157), (299, 9205), (302, 9214), (335, 9349), (342, 9394), (343, 9400), (346, 9412), (355, 9472), (391, 9601), (392, 9607), (396, 9634), (416, 9733), (433, 9778), (534, 9973), (545, 10009), (547, 10027), (560, 10072),

Gene: Wilca_21 Start: 7665, Stop: 9464, Start Num: 46

Candidate Starts for Wilca_21:

(Start: 46 @7665 has 35 MA's), (161, 7980), (170, 8010), (200, 8076), (271, 8343), (285, 8388), (314, 8475), (326, 8520), (334, 8556), (342, 8604), (343, 8610), (346, 8622), (351, 8658), (355, 8682), (391, 8817), (410, 8925), (415, 8946), (448, 9027), (534, 9165), (545, 9201), (561, 9267), (577, 9336), (588, 9369), (608, 9438),

Gene: Wilde_17 Start: 8308, Stop: 10188, Start Num: 43

Candidate Starts for Wilde_17:

(Start: 43 @8308 has 7 MA's), (47, 8317), (Start: 81 @8392 has 4 MA's), (96, 8440), (111, 8500), (119, 8530), (161, 8623), (204, 8743), (223, 8800), (232, 8815), (242, 8860), (265, 8974), (267, 8986), (299, 9061), (303, 9073), (306, 9082), (307, 9085), (314, 9121), (329, 9175), (342, 9250), (346, 9268), (380, 9421), (382, 9427), (384, 9433), (387, 9448), (391, 9469), (410, 9577), (423, 9616), (433, 9646), (504, 9823), (546, 9925), (575, 10024), (585, 10066), (606, 10141), (611, 10153),

Gene: Windsor_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Windsor_8:

(Start: 24 @4439 has 377 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (176, 4862), (215, 4976), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: Wizard_12 Start: 5562, Stop: 7145, Start Num: 11

Candidate Starts for Wizard_12:

(Start: 11 @5562 has 93 MA's), (42, 5676), (113, 5844), (154, 5964), (158, 5982), (163, 5997), (222, 6147), (235, 6177), (246, 6237), (247, 6240), (258, 6279), (270, 6351), (306, 6411), (307, 6414), (308, 6417), (315, 6453), (317, 6462), (319, 6468), (320, 6471), (335, 6534), (342, 6579), (349, 6609), (355, 6657), (369, 6714), (375, 6735), (381, 6741), (386, 6762), (392, 6792), (400, 6843), (410, 6891),

Gene: Wooper_10 Start: 6780, Stop: 8627, Start Num: 24

Candidate Starts for Wooper_10:

(Start: 24 @6780 has 377 MA's), (Start: 86 @6894 has 2 MA's), (97, 6936), (114, 6999), (136, 7065), (174, 7170), (186, 7194), (227, 7293), (230, 7299), (234, 7308), (236, 7317), (263, 7455), (267, 7473), (307, 7614), (312, 7641), (316, 7659), (320, 7671), (333, 7722), (341, 7773), (355, 7860), (360, 7884), (427, 8142), (466, 8202), (470, 8211), (537, 8352), (538, 8355), (556, 8427), (559, 8433), (566, 8454), (581, 8511), (583, 8523), (590, 8556), (594, 8568), (598, 8580), (603, 8592), (609, 8604), (611, 8607),

Gene: Xavier_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Xavier_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Xkcd426_11 Start: 9122, Stop: 10924, Start Num: 58

Candidate Starts for Xkcd426_11:

(Start: 58 @9122 has 10 MA's), (68, 9143), (76, 9164), (97, 9227), (112, 9281), (150, 9368), (170, 9437), (200, 9506), (208, 9548), (221, 9593), (233, 9626), (235, 9632), (254, 9722), (258, 9734), (265, 9782), (305, 9860), (317, 9914), (326, 9947), (334, 9983), (346, 10049), (356, 10115), (399, 10295), (438, 10415), (447, 10433), (475, 10469), (508, 10571), (514, 10583), (563, 10718), (576, 10766), (592, 10838), (595, 10847), (602, 10868), (612, 10895), (618, 10913),

Gene: YDN12_11 Start: 8033, Stop: 9832, Start Num: 58

Candidate Starts for YDN12_11:

(Start: 58 @8033 has 10 MA's), (105, 8159), (110, 8180), (112, 8192), (130, 8240), (150, 8279), (162, 8321), (170, 8348), (200, 8417), (204, 8438), (208, 8459), (225, 8513), (233, 8537), (235, 8543), (236, 8549), (244, 8594), (258, 8645), (265, 8693), (315, 8816), (317, 8825), (326, 8858), (334, 8894), (336, 8900), (356, 9026), (386, 9128), (438, 9323), (467, 9359), (470, 9368), (497, 9449), (508, 9482), (514, 9494), (523, 9512), (541, 9545), (559, 9614), (570, 9662), (572, 9668), (592, 9749), (602, 9779), (612, 9806), (618, 9821),

Gene: Yago84_7 Start: 5116, Stop: 6957, Start Num: 24

Candidate Starts for Yago84_7:

(Start: 24 @5116 has 377 MA's), (Start: 86 @5230 has 2 MA's), (97, 5272), (114, 5335), (164, 5467), (170, 5485), (200, 5539), (204, 5560), (244, 5692), (252, 5725), (262, 5782), (263, 5785), (267, 5803), (277, 5854), (286, 5875), (316, 5983), (320, 5995), (341, 6097), (369, 6244), (372, 6253), (390, 6310), (495, 6589), (531, 6676), (537, 6682), (556, 6757), (559, 6763), (566, 6784), (587, 6865), (594, 6898), (598, 6910), (609, 6934), (611, 6937),

Gene: Yahalom_11 Start: 6315, Stop: 8219, Start Num: 24

Candidate Starts for Yahalom_11:

(Start: 24 @6315 has 377 MA's), (32, 6342), (80, 6423), (99, 6486), (116, 6552), (127, 6585), (164, 6693), (192, 6783), (215, 6861), (236, 6918), (246, 6972), (262, 7053), (267, 7074), (272, 7101), (295, 7152), (297, 7161), (301, 7170), (341, 7347), (343, 7359), (355, 7434), (360, 7458), (365, 7479), (391, 7563), (418, 7701), (427, 7719), (438, 7746), (454, 7770), (531, 7935), (538, 7944), (566, 8049), (567, 8058), (575, 8085), (598, 8175), (609, 8199), (616, 8211),

Gene: Yeti_20 Start: 8450, Stop: 10147, Start Num: 14

Candidate Starts for Yeti_20:

(Start: 12 @8441 has 34 MA's), (Start: 14 @8450 has 13 MA's), (16, 8465), (55, 8564), (59, 8570), (97, 8675), (101, 8687), (127, 8786), (129, 8792), (150, 8858), (155, 8876), (170, 8930), (177, 8960), (197, 8999), (203, 9017), (204, 9026), (216, 9062), (236, 9125), (249, 9188), (256, 9215), (262, 9260), (306, 9362), (307, 9365), (315, 9404), (320, 9422), (337, 9494), (349, 9560), (350, 9569), (355, 9608), (363, 9641), (371, 9674), (373, 9680), (383, 9710), (412, 9863), (418, 9878), (428, 9899), (429, 9902), (518, 10106), (522, 10115),

Gene: Yinz_11 Start: 6341, Stop: 8248, Start Num: 24

Candidate Starts for Yinz_11:

(Start: 24 @6341 has 377 MA's), (32, 6368), (80, 6449), (99, 6512), (116, 6578), (127, 6611), (164, 6719), (192, 6809), (215, 6887), (236, 6944), (246, 6998), (262, 7079), (267, 7100), (272, 7127), (295, 7178), (297, 7187), (301, 7196), (341, 7373), (343, 7385), (355, 7460), (360, 7484), (365, 7505), (391,

7589), (418, 7727), (427, 7745), (438, 7772), (454, 7796), (531, 7964), (538, 7973), (566, 8078), (567, 8087), (575, 8114), (598, 8204), (609, 8228), (616, 8240),

Gene: YorkOnyx_12 Start: 6233, Stop: 7861, Start Num: 11

Candidate Starts for YorkOnyx_12:

(Start: 11 @6233 has 93 MA's), (42, 6356), (Start: 58 @6377 has 10 MA's), (77, 6407), (91, 6434), (105, 6497), (111, 6527), (132, 6590), (141, 6617), (154, 6659), (201, 6785), (239, 6911), (244, 6935), (249, 6953), (252, 6968), (254, 6974), (266, 7037), (306, 7109), (314, 7148), (329, 7214), (335, 7244), (342, 7289), (345, 7304), (346, 7307), (351, 7343), (360, 7391), (363, 7400), (369, 7427), (381, 7454), (391, 7499), (399, 7553), (400, 7556), (403, 7571), (410, 7604), (414, 7622), (433, 7661), (437, 7667), (450, 7682), (462, 7703), (464, 7709), (485, 7745), (493, 7778),

Gene: Yoshand_8 Start: 4439, Stop: 6358, Start Num: 24

Candidate Starts for Yoshand_8:

(Start: 24 @4439 has 377 MA's), (Start: 31 @4454 has 11 MA's), (Start: 81 @4550 has 4 MA's), (87, 4565), (116, 4676), (161, 4808), (168, 4832), (170, 4838), (172, 4850), (176, 4862), (235, 5027), (260, 5153), (261, 5156), (262, 5168), (265, 5177), (267, 5189), (286, 5252), (289, 5261), (301, 5297), (307, 5315), (310, 5324), (320, 5372), (340, 5468), (341, 5474), (349, 5510), (355, 5558), (360, 5582), (407, 5777), (438, 5870), (549, 6122), (584, 6257), (594, 6299), (598, 6311),

Gene: YouGoGlencoco_8 Start: 4438, Stop: 6357, Start Num: 24

Candidate Starts for YouGoGlencoco_8:

(Start: 24 @4438 has 377 MA's), (Start: 31 @4453 has 11 MA's), (Start: 81 @4549 has 4 MA's), (87, 4564), (116, 4675), (161, 4807), (168, 4831), (170, 4837), (172, 4849), (176, 4861), (235, 5026), (260, 5152), (261, 5155), (262, 5167), (265, 5176), (267, 5188), (286, 5251), (289, 5260), (301, 5296), (307, 5314), (310, 5323), (320, 5371), (340, 5467), (341, 5473), (349, 5509), (355, 5557), (360, 5581), (407, 5776), (438, 5869), (549, 6121), (584, 6256), (594, 6298), (598, 6310),

Gene: YungMoney_12 Start: 6514, Stop: 8100, Start Num: 11

Candidate Starts for YungMoney_12:

(Start: 11 @6514 has 93 MA's), (Start: 22 @6577 has 2 MA's), (107, 6766), (113, 6796), (124, 6829), (153, 6913), (158, 6934), (163, 6949), (233, 7123), (235, 7129), (242, 7165), (246, 7189), (247, 7192), (258, 7231), (270, 7303), (306, 7363), (307, 7366), (308, 7369), (315, 7405), (317, 7414), (319, 7420), (320, 7423), (335, 7486), (342, 7531), (349, 7561), (355, 7609), (369, 7666), (375, 7687), (386, 7714), (387, 7717), (392, 7744), (400, 7795), (410, 7843),

Gene: Zagie_22 Start: 8634, Stop: 10460, Start Num: 46

Candidate Starts for Zagie_22:

(Start: 46 @8634 has 35 MA's), (104, 8784), (150, 8919), (161, 8958), (189, 9036), (200, 9054), (249, 9204), (252, 9219), (262, 9276), (278, 9345), (299, 9393), (302, 9402), (335, 9537), (342, 9582), (343, 9588), (346, 9600), (355, 9660), (391, 9789), (392, 9795), (396, 9822), (416, 9921), (433, 9966), (534, 10161), (545, 10197), (547, 10215), (560, 10260),

Gene: Zaider_9 Start: 4671, Stop: 6590, Start Num: 24

Candidate Starts for Zaider_9:

(Start: 24 @4671 has 377 MA's), (Start: 31 @4686 has 11 MA's), (Start: 81 @4782 has 4 MA's), (87, 4797), (116, 4908), (161, 5040), (168, 5064), (170, 5070), (172, 5082), (176, 5094), (235, 5259), (260, 5385), (261, 5388), (262, 5400), (265, 5409), (267, 5421), (286, 5484), (289, 5493), (301, 5529), (307, 5547), (310, 5556), (320, 5604), (340, 5700), (341, 5706), (349, 5742), (355, 5790), (360, 5814), (407, 6009), (438, 6102), (549, 6354), (584, 6489), (594, 6531), (598, 6543),

Gene: Zelda_8 Start: 4441, Stop: 6360, Start Num: 24

Candidate Starts for Zelda_8:

(Start: 24 @4441 has 377 MA's), (Start: 31 @4456 has 11 MA's), (Start: 81 @4552 has 4 MA's), (87, 4567), (116, 4678), (161, 4810), (168, 4834), (170, 4840), (172, 4852), (176, 4864), (235, 5029), (260, 5155), (261, 5158), (262, 5170), (265, 5179), (267, 5191), (286, 5254), (289, 5263), (301, 5299), (307, 5317), (310, 5326), (320, 5374), (340, 5470), (341, 5476), (349, 5512), (355, 5560), (360, 5584), (407, 5779), (438, 5872), (549, 6124), (584, 6259), (594, 6301), (598, 6313),

Gene: Zemanar_10 Start: 6748, Stop: 8637, Start Num: 24

Candidate Starts for Zemanar_10:

(Start: 24 @6748 has 377 MA's), (Start: 31 @6763 has 11 MA's), (79, 6844), (85, 6859), (99, 6910), (104, 6919), (114, 6970), (153, 7075), (170, 7135), (204, 7231), (233, 7309), (234, 7312), (236, 7321), (244, 7366), (262, 7456), (263, 7459), (288, 7537), (292, 7549), (320, 7651), (334, 7711), (341, 7753), (343, 7765), (355, 7840), (360, 7864), (362, 7870), (368, 7897), (370, 7903), (373, 7912), (386, 7945), (392, 7975), (517, 8317), (526, 8326), (527, 8329), (549, 8392), (565, 8452), (566, 8455), (567, 8464), (594, 8578), (603, 8602), (616, 8629),

Gene: Zenteno07_13 Start: 5606, Stop: 7525, Start Num: 24

Candidate Starts for Zenteno07_13:

(Start: 24 @5606 has 377 MA's), (162, 5981), (165, 5993), (176, 6032), (196, 6083), (237, 6209), (244, 6248), (260, 6323), (261, 6326), (267, 6359), (278, 6407), (282, 6416), (289, 6431), (292, 6440), (310, 6494), (333, 6593), (341, 6644), (349, 6680), (359, 6749), (360, 6752), (418, 6995), (427, 7013), (524, 7229), (537, 7241), (566, 7352), (567, 7361), (570, 7376), (584, 7424), (613, 7511),

Gene: Zhafia_25 Start: 8864, Stop: 10690, Start Num: 46

Candidate Starts for Zhafia_25:

(Start: 46 @8864 has 35 MA's), (150, 9149), (161, 9188), (189, 9266), (200, 9284), (252, 9449), (262, 9506), (299, 9623), (302, 9632), (335, 9767), (342, 9812), (343, 9818), (346, 9830), (355, 9890), (391, 10019), (392, 10025), (396, 10052), (416, 10151), (433, 10196), (534, 10391), (545, 10427), (547, 10445), (560, 10490),

Gene: Zipp_14 Start: 7375, Stop: 9042, Start Num: 11

Candidate Starts for Zipp_14:

(Start: 11 @7375 has 93 MA's), (Start: 22 @7450 has 2 MA's), (29, 7471), (38, 7498), (82, 7585), (105, 7666), (111, 7696), (143, 7792), (148, 7807), (154, 7828), (156, 7840), (159, 7849), (166, 7873), (197, 7945), (201, 7954), (237, 8065), (239, 8080), (244, 8104), (249, 8122), (252, 8137), (254, 8143), (270, 8218), (306, 8278), (335, 8413), (342, 8458), (350, 8497), (357, 8548), (365, 8581), (368, 8593), (369, 8596), (381, 8623), (387, 8647), (400, 8725), (410, 8776), (420, 8806), (424, 8812), (452, 8869), (475, 8914), (492, 8962),

Gene: Zitch_15 Start: 6694, Stop: 8367, Start Num: 11

Candidate Starts for Zitch_15:

(Start: 11 @6694 has 93 MA's), (Start: 22 @6769 has 2 MA's), (38, 6817), (82, 6904), (105, 6985), (111, 7015), (154, 7147), (166, 7192), (197, 7264), (201, 7273), (237, 7384), (244, 7423), (249, 7441), (251, 7453), (252, 7456), (254, 7462), (270, 7537), (302, 7585), (306, 7597), (335, 7732), (342, 7777), (350, 7816), (357, 7867), (365, 7900), (368, 7912), (369, 7915), (381, 7942), (387, 7966), (400, 8044), (410, 8095), (420, 8125), (424, 8131), (432, 8149), (452, 8188), (475, 8233),

Gene: Zonia_8 Start: 4437, Stop: 6356, Start Num: 24

Candidate Starts for Zonia_8:

(Start: 24 @4437 has 377 MA's), (Start: 81 @4548 has 4 MA's), (87, 4563), (116, 4674), (161, 4806), (168, 4830), (170, 4836), (172, 4848), (176, 4860), (235, 5025), (260, 5151), (261, 5154), (262, 5166), (265, 5175), (267, 5187), (286, 5250), (289, 5259), (301, 5295), (307, 5313), (310, 5322), (320, 5370), (340, 5466), (341, 5472), (349, 5508), (355, 5556), (360, 5580), (407, 5775), (438, 5868), (549, 6120), (584, 6255), (594, 6297), (598, 6309),

Gene: Zooman_67 Start: 27800, Stop: 29527, Start Num: 31

Candidate Starts for Zooman_67:

(2, 27662), (4, 27668), (5, 27671), (Start: 31 @27800 has 11 MA's), (Start: 53 @27854 has 1 MA's), (64, 27878), (82, 27929), (111, 28037), (118, 28061), (152, 28151), (155, 28163), (170, 28217), (234, 28424), (244, 28478), (306, 28694), (329, 28787), (335, 28817), (350, 28901), (359, 28961), (367, 28994), (372, 29009), (417, 29213), (418, 29216), (419, 29219), (440, 29270), (501, 29441),

Gene: phiAsp2_4 Start: 1019, Stop: 2959, Start Num: 35

Candidate Starts for phiAsp2_4:

(3, 869), (6, 875), (7, 878), (10, 890), (35, 1019), (61, 1070), (112, 1238), (118, 1259), (120, 1268), (152, 1331), (170, 1394), (175, 1415), (201, 1466), (202, 1469), (229, 1553), (248, 1640), (250, 1646), (254, 1664), (263, 1718), (267, 1736), (299, 1784), (310, 1817), (314, 1844), (315, 1847), (317, 1856), (321, 1877), (322, 1880), (337, 1946), (346, 2000), (376, 2138), (403, 2261), (404, 2264), (408, 2285), (409, 2294), (455, 2411), (505, 2576), (519, 2603), (534, 2627), (551, 2702), (572, 2786), (575, 2792), (579, 2813), (586, 2837), (589, 2852), (601, 2894), (608, 2915), (619, 2945),